

kooltech

Air Conditioning & Refrigeration

Price List

2012/13

Update - August 2012



PAYMENT TERMS

Strictly net monthly account for approved credit accounts.

New accounts must be applied for on our application form stating two trade and one bank reference.

At least ten days must be allowed for credit status clearance. Where no approved credit account already exists payment must be CASH WITH ORDER or CASH ON DELIVERY. No new account will be opened for an initial order of less than £50

Goods despatched per C.O.D post will carry additional charge of £2.00.

The right is reserved to charge interest at 4% above bank base rate on accounts overdue and to claim all charges, legal and otherwise, involved in collecting payment.

The Vendor reserves the right to uplift goods from the Buyer's possession should these payment terms not be complied with.

The Buyer shall permit access to the Vendor for this purpose. All costs and losses incurred by the Vendor in so doing shall be charged to the Buyer together with the restocking charge referred to below.

FOR CREDIT CUSTOMERS, OUR TERMS ARE 30 DAYS FROM THE DATE OF INVOICE:

WE ARE PREPARED TO ALLOW ACCOUNTS TO BE SETTLED ON A NET MONTHLY BASIS

Minimum Invoice value excluding VAT is £20.00.

Minimum Invoice value will be applied to all small orders and charged at the minimum billing charge ruling on the date of despatch if applicable.

PRICES

List Prices are subject to change without notice and goods will be invoiced at the list price ruling on the date of despatch. Prices shown in this price list do not include V.A.T.

CARRIAGE

We reserve the right to charge carriage on all despatches plus an additional amount where a special service is requested.

CANCELLATIONS

Orders cannot be cancelled without our written consent.

Returns for credit are subject to prior arrangement and a restocking charge of 25% of the invoiced value of the goods shall be applied and shall be paid by the Buyer.

Special orders (non-list items) cannot be cancelled, neither can such goods be returned under any circumstances.

NOTICE OF CLAIMS

- Goods must be checked by the buyer on receipt and any deficiencies or errors be notified in writing to the vendor within 14 days of receipt date.
- Damage in transit must be notified to the vendor and carrier within 3 days of receipt date.
- Losses in transit must be notified to the vendor and carrier within 14 days of the date of invoice.
- Goods must be signed for on receipt and "Unexamined" signatures do not remove the buyers obligation to check goods on receipt and notify the vendor of any irregularities. The vendor shall not be liable in respect of any claim if the provisions of this clause are not complied with.

FORCE MAJEURE

The vendor shall not be liable whatsoever for non delivery or delay in delivery directly or indirectly resulting from or caused by an Act of God, outbreak of war, hostilities, insurrection, riot, civil disturbance, fire, flood, explosion, accident, theft, climatic conditions, Government Act or regulation, shortage of materials, strike, lock out or trade dispute (either the vendors employees or other parties) or caused by any other circumstance outwith the vendors control.

RISK AND TITLE IN GOODS SUPPLIED

Risk in the goods passes to the Buyer on delivery. Notwithstanding delivery, all goods remain the Vendor's property until all sums due by the Buyer to the Vendor on any legal ground whatsoever are paid to the Vendor in full.

WARRANTIES & EXCLUSIONS OF LIABILITY

- Goods manufactured by the vendor are subject to a twelve month warranty in respect of defective materials or workmanship. The vendor reserves the right to either repair or replace defective goods free of charge.
- All other goods sold by the vendor shall be covered by a warranty or guarantee equivalent to the warranty or guarantee offered to the vendor by the supplier of such goods in respect thereof.
- Goods which are the subject of warranty or guarantee claim must be returned to the vendors premises at the expense of the buyer.
- Subject to the Sale of Goods Act 1979 and the Unfair Contract Terms Act 1977 and excepting the provisions herein stated the vendor shall in no way be liable howsoever arising, whether in contract or tort or otherwise in respect of any defects in goods sold or defective work or for any loss damage or injury resulting therefrom including consequential loss.
- Warranty is automatically suspended/cancelled if relative invoice is not paid in full.

LIEN

The vendor shall have a general lien on all goods for all outstanding sums due at any time.

The vendor shall be entitled to dispose of or sell the goods at the buyers expense, all net proceeds therefrom being set against payment of such sums subject to written notice of 14 days being given.

JURISDICTION & PROPER LAW

Any disputes arising from the above must be considered as being subject to the jurisdiction of the Sheriff Court at Paisley and subject to Scots Law. Common law rights are not affected.

Whilst every effort is made to ensure the accuracy of information published in this document, we cannot be held responsible for any errors or omissions.

Prices correct at time of printing and are subject to change without prior notice.

solutions

Creating a better environment

Good air conditioning and refrigeration systems help us to balance our need for comfort, fresh air, food and drink with our responsibility to protect the environment.

Combining top branded products with proven technical expertise, [kooltech](#) provides the complete solution to this modern challenge with a cost effective, environmentally efficient, nationwide service.

From [kooltech](#)'s conception over 30 years ago we have committed ourselves to providing products and service levels that have constantly adapted to our clients demands.

[kooltech](#) has evolved over this period to become one of the UK's largest distributors of air conditioning equipment, working with market leading product from Mitsubishi Electric whilst still maintaining a core refrigeration equipment manufacturing facility and ancillary product distribution service.

Providing a comprehensive service from initial design and selection, through to supply and commissioning. Our ability to provide the total package supplying a full range of ancillary product enables [kooltech](#) to provide complete support from start to finish!

Murray Sharp, Managing Director, Kooltech

Design and Technical Support

Every business has a different requirement for air conditioning and refrigeration, and [kooltech](#) has a different solution for every business. Bespoke design and consultation are key elements of our service, and we provide expert advice and technical support throughout every project to ensure complete customer satisfaction.

Extensive Product Range

[kooltech](#) are the UK's largest wholesaler of Mitsubishi Electric Air Conditioning Systems. Additionally we also supply a wide range of refrigeration equipment and components including controls, compressors, pumps, copper tube, pipe insulation, cable tray, cable, accessories, refrigerants and service tools.

Environmental Economy

Efficient equipment and installations make good financial sense as well as protecting the environment. Our systems are designed to save energy keeping operating costs to a minimum.

Sales Service

[kooltech](#) engineers and sales managers are trained to the highest standards and provide a complete support service at every point, from first enquiry to commissioning and beyond.

The people you deal with at [kooltech](#) will work with you to ensure that they have a full knowledge of all your requirements and will be readily available throughout the process to help bring your project to a successful completion.

Training

[kooltech](#) fully accredited training courses can be tailored to your individual requirements, and will help ensure that your installations run with optimum efficiency.

Courses and seminars are available on every aspect of installation, commissioning and operation for the full range of air conditioning and refrigeration systems that we supply.



Emergency Call Out Service

Kooltech's branches are open:

8.00am – 5.00pm Mon – Fri

Standard call out charge per call out (collected from branch) £80 +VAT
Emergency deliveries POA.

In the event of EMERGENCY requirements outside our normal trading hours please note the following procedure.

- 1. Dial the Kooltech Emergency Call Out Number relevant to you as listed below.**
- 2. Give the following information to the answer machine or to the Kooltech staff member on duty:**
 - Your full name
 - Your company name and address
 - The telephone number where we can contact you
- 3. You will either be informed or telephoned back to confirm:**
 - We are responding to your request
 - The details of the requirements
 - The time the goods will be available for collection
 - The Kooltech branch where the goods can be collected
 - If a delivery is required to site this should be agreed at this time
 - Charges which apply
- 4. If there is no response to your initial call within 30 minutes please redial the Emergency Call Out Number.**



Emergency Call Out Contact Numbers

Aberdeen	07850 045711	Manchester	07920 452062	Crayford	07818 403305
Glasgow	07795 650639	Birmingham	07795 650641	Fareham	07795 650642
Gateshead	07770 852116	Heathrow	07778 667734		

INDEX

AIR CONDITIONING	
Mitsubishi Electric / Kooltech Technical Services	
Product	Page
Air Conditioning Packages	8
PFD Stands	10
Lossnay Weatherproof Housings	10
Lossnay Heaters	10
Actuated Ball Valves	10
Glass Traps	11
Plenums	11
Remote Temperature Sensor	11
Air Conditioning Control Panels	12
City Multi Strip Down	13
Kooltech Technical Services	14
Mitsubishi Electric Warranty	15
Mitsubishi Electric Fault Codes	16 - 19

AIR CONDITIONING	
Accessories	
Product	Page
Condensate Pumps - Tank	22, 26
Condensate Pumps - Mini / In line	22, 27
Condensate Pumps - Peristaltic	22, 28
Condensate Drain Hose	22, 29
Security Cages	22, 25
Wall Brackets	22, 24
Wall Bracket Drain Trays	24
Trunking - Kooltrunk	23
Mounting Blocks	24
Mounting Pads and Slabs	24
Hoist - Condensing Units	24
Condensate Pump Accessories	28, 29
Drain Pipe - ABS Solvent	30
Electrical Cable	31, 32
Electrical Ancillaries	33
Cable Tray	34 - 38
Trunking - Inoac	39
Big Foot Unit Support Systems	40, 41
Big Foot Frames - Mitsubishi Electric Units	42

COPPER TUBE	
Pipe Insulation - Copper Fittings - Pipe Clamps	
Product	Page
Copper Tube	44
Pipe Insulation	45, 46
Copper Fittings	47, 49
Pipe Clamps	50, 51

REFRIGERANTS	
Nitrogen - Oil - Chemical Cleaners	
Product	Page
Refrigerant	54
Nitrogen	55
Glycol	55
Oil	55
Acid Test Kits	55
Chemical Cleaners	
Chemical Cleaners - Advanced	56
Chemical Cleaners - National	57
Chemical Cleaners - Diversitech	57
Leak Detection Sprays	57
Air Conditioning Unit Cleaning Covers	57
Easy Wipes	57

COMPRESSORS AND CONDENSING UNITS	
Product	Page
Hermetic Compressors	60 - 64
Hermetic - Standard Condensing Units	65 - 67
Hermetic - Dressed Housed Condensing Units	68
Hermetic - Slimline Housed Condensing Units	69
Scroll - Slimline Condensing Units	70
Scroll - Standard Condensing Units	71, 72
Semi Hermetic - Compressors	73
Semi Hermetic - Condensing Units	74 - 77
Semi Hermetic - Condensing Unit Accessories	78 - 80
Semi Hermetic - Compressor Receiver Sets	81
Semi Hermetic - Water Cooled Units	82

EVAPORATORS - CELLAR COOLING	
Product	Page
Friga-Bohn Evaporators	84 - 91
Qualitair Cellar Coolers	92, 93

REFRIGERATION Line Components - Refrigeration Controls - Fan Motors

Product	Page
Contol Panels - Refrigeration	96, 97
Liquid Line Driers	98
Suction Line Driers	99
Heat Pump Driers	99
Shell Driers	100
Shell Drier Cores	100
Sight Glasses	101
Brass Fittings	102, 103
Access Fittings	104
Line Tap Valves	104
Ball Valves	105
Line Valves	105
Hand Valves	105
Pressure Relief Valves	105
3 Way Shut off Valve	105
Vibration Eliminators	106
Suction Line Heat Exchangers	106
Oil Separators	106
Oil Diff Switches	106
Suction Accumulators	106
Expansion Valves	107
Solenoid Valves	108
Hot Gas Bypass Valves	108
Reversing Valves	108
Crankcase Pressure Regulators	108
Evaporator Pressure Regulators	108
Condenser Pressure Regulators	108
Ranco Pressure Controls	109
Pressure Switch Brackets	109
Varifix Thermostats	109
C17 Thermostats	109
Ranco Thermostats	109
Danfoss Service Thermostats	109
Defrost Timers	110
Defrost Termination Control	110
Fan Speed Controls	110
Fan Motors	111
Fan Blades	111
Heater Tapes	112
Crankcase Heaters	112

TOOLS

Product	Page
Tube Cutters	114
Bending Springs	114
Pipe Benders	114
Pipe Reamers	114
Flaring Tools	114
Swaging Tools	114
Tube Expanders	114
Brazing Torches	115
Mapp Gas	115
Maxigas Cylinders	115
Solder Rods	115
Brazing Rods	115
Inspection Mirrors	115
Fin Combs	115
Ratchet Wrenches	115
Pinch Off Tools	115
Quick Couplers	115
Solenoid Magnets	115
Refrigerant Recovery Machines	116
Vacuum Pumps	116
Vacuum Gauges	116
Leak Detectors	117
Refrigerant Weighing Scales	117
Thermometers	117
Manifolds	118, 119
Manifold Gauges	120
Manifold Hoses	120
Automotive Couplers	120

Product	Page
3 Way Shut off Valve	105
Access Fittings	104
Acid Test Kits	55
Actuated Ball Valves	10
Air Conditioning Control Panels	12
Air Conditioning Packages	8
Air Conditioning Unit Cleaning Covers	57
Automotive Couplers	120
Ball Valves	105
Bending Springs	114
Big Foot Frames - Mitsubishi Electric Units	42
Big Foot Unit Support Systems	40, 41
Brass Fittings	102, 103
Brazing Rods	115
Brazing Torches	115
C17 Thermostats	109
Cable Tray	34 - 38
Chemical Cleaners - Advanced	56
Chemical Cleaners - Diversitech	57
Chemical Cleaners - National	57
City Multi Strip Down	13
Condensate Drain Hose	22, 29
Condensate Pump Accessories	28, 29
Condensate Pumps - Mini / In line	22, 27
Condensate Pumps - Peristaltic	22, 28
Condensate Pumps - Tank	22, 26
Condenser Pressure Regulators	108
Contol Panels - Refrigeration	96, 97
Copper Fittings	47, 49
Copper Tube	44
Crankcase Heaters	112
Crankcase Pressure Regulators	108
Danfoss Service Thermostats	109
Defrost Termination Control	110
Defrost Timers	110
Drain Pipe - ABS Solvent	30
Easy Wipes	57
Electrical Ancillaries	33
Electrical Cable	31, 32
Evaporator Pressure Regulators	108
Expansion Valves	107
Fan Blades	111
Fan Motors	111
Fan Speed Controls	110
Fin Combs	115
Flaring Tools	114
Friga-Bohn Evaporators	84 - 91
Glass Traps	11
Glycol	55
Hand Valves	105
Heat Pump Driers	99
Heater Tapes	112
Hermetic - Dressed Housed Condensing Units	68
Hermetic - Slimline Housed Condensing Units	69
Hermetic - Standard Condensing Units	65 - 67
Hermetic Compressors	60 - 64
Hoist - Condensing Units	24
Hot Gas Bypass Valves	108
Inspection Mirrors	115
Kooltech Technical Services	14
Leak Detection Sprays	57
Leak Detectors	117
Line Tap Valves	104
Line Valves	105

Product	Page
Liquid Line Driers	98
Lossnay Heaters	10
Lossnay Weatherproof Housings	10
Manifold Gauges	120
Manifold Hoses	120
Manifolds	118, 119
Mapp Gas	115
Maxigas Cylinders	115
Mitsubishi Electric Fault Codes	16 - 19
Mitsubishi Electric Warranty	15
Mounting Blocks	24
Mounting Pads and Slabs	24
Nitrogen	55
Oil	55
Oil Diff Switches	106
Oil Separators	106
PFD Stands	10
Pinch Off Tools	115
Pipe Benders	114
Pipe Clamps	50, 51
Pipe Insulation	45, 46
Pipe Reamers	114
Plenums	11
Pressure Relief Valves	105
Pressure Switch Brackets	109
Qualitair Cellar Coolers	92, 93
Quick Couplers	115
Ranco Pressure Controls	109
Ranco Thermostats	109
Ratchet Wrenches	115
Refrigerant	54
Refrigerant Recovery Machines	116
Refrigerant Weighing Scales	117
Remote Temperature Sensor	11
Reversing Valves	108
Scroll - Slimline Condensing Units	70
Scroll - Standard Condensing Units	71, 72
Security Cages	22, 25
Semi Hermetic - Compressor Receiver Sets	81
Semi Hermetic - Compressors	73
Semi Hermetic - Condensing Unit Accessories	78 - 80
Semi Hermetic - Condensing Units	74 - 77
Semi Hermetic - Water Cooled Units	82
Shell Drier Cores	100
Shell Driers	100
Sight Glasses	101
Solder Rods	115
Solenoid Magnets	115
Solenoid Valves	108
Suction Accumulators	106
Suction Line Driers	99
Suction Line Heat Exchangers	106
Swaging Tools	114
Thermometers	117
Trunking - Inoac	39
Trunking - Kooltrunk	23
Tube Cutters	114
Tube Expanders	114
Vacuum Gauges	116
Vacuum Pumps	116
Varifix Thermostats	109
Vibration Eliminators	106
Wall Bracket Drain Trays	24
Wall Brackets	22, 24

AIR CONDITIONING

Mitsubishi Electric
Kooltech Air Conditioning Technical Services

10

Our Air Conditioning Packages are designed to save you time and money.

Package includes :

- 15m soft copper coil for 25/35 units & 30m for 50/60/71 units
- 15m pipe insulation for 25/35 units & 30m for 50/60/71 units
- Control Cable
- Isolator for Indoor & Outdoor
- Wall bracket up to 150kg
- Kool-Line or Kool-Tank Condensate Pump



WALL MOUNTED INVERTER HEAT PUMP PACKAGES (R410A)				Net Price
Nominal Capacity Cool / Heat Kw	Type	Model	Code	£
2.5 / 3.2	Wall Mount	MSZ-GE25VA	10030506	£640.00
3.5 / 4.0	Wall Mount	MSZ-GE35VA	10030507	£720.00
5.0 / 5.8	Wall Mount	MSZ-GE50VA	10030508	£994.00
6.0 / 6.8	Wall Mount	MSZ-GA60VA	10030509	£1,096.00
7.1 / 8.1	Wall Mount	MSZ-GA71VA	10030510	£1,393.12



600 x 600 CEILING CASSETTE INVERTER HEAT PUMP PACKAGES (R410A)				Net Price
Nominal Capacity Cool / Heat Kw	Type	Model	Code	£
2.5 / 3.0	4 Way Blow Cassette	SLZ-KA25VAQ	10030511	£936.00
3.5 / 4.0	4 Way Blow Cassette	SLZ-KA35VAQ	10030512	£1,052.00
4.6 / 5.0	4 Way Blow Cassette	SLZ-KA50VAQ	10030513	£1,302.00



DUCTED INVERTER HEAT PUMP PACKAGES (R410A)				Net Price
Nominal Capacity Cool / Heat Kw	Type	Model	Code	£
2.5 / 3.0	Ducted	SEZ-KD-25VAQ	10030518	£918.00
3.5 / 4.0	Ducted	SEZ-KD35VAQ	10030514	£999.00
5.0 / 5.9	Ducted	SEZ-KD50VAQ	10030515	£1,235.00
5.5 / 6.9	Ducted	SEZ-KD60VAQ	10030516	£1,360.00
7.1 / 8.1	Ducted	SEZ-KD71VAQ	10030517	£1,518.00

KOOLTECH offers bespoke design and manufacturing solutions to support contractors air conditioning installations.

Providing stand alone solutions or modifying standard Mitsubishi Electric systems Kooltech have a range of products to suit applications demands including Stands for Close Control units, Weatherproof Housings for all Lossnay units, Plenums for Ducted Units, Deflection Grilles for outdoor units and special paint finishes.

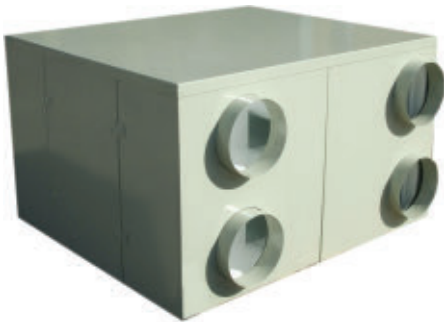
PFD Stands



Bespoke PFD Stands



Lossnay Weatherproof Housings



Outdoor Unit Deflection Grilles



Lossnay Heaters



Glass Traps



Plenums



Actuated Ball Valves



Remote Temperature Sensor





PFD STANDS

Description	Code	Net Price £
PFD-250VM-E Black Finish	87964	£540.00
PFD-500VM-E Black Finish	87984	£649.99

For special requirements please speak to your Kooltech Sales Manager or contact your local branch.



LOSSNAY WEATHERPROOF HOUSINGS

Model	Housing to suit	Code	Net Price £
KWH35	LGH35	10070200	£600.00
KWH50	LGH50	10070201	£650.00
KWH65	LGH65	10070202	£650.00
KWH80	LGH80	10070203	£750.00
KWH100	LGH100	10070204	£800.00
KWH150	LGH150	10070205	£850.00
KWH200	LGH200	10070206	£900.00



LOSSNAY HEATERS

Thyristor Control

Model	Diameter mm	Back Up Heater Kw	Code	Net Price £
KLH-TC15-0.75	100	0.75	10070300	£540.00
KLH-TC15-1.0	100	1.0	10070301	£542.00
KLH-TC25/35-1.0	150	1.0	10070305	£549.00
KLH-TC25/35-1.5	150	1.5	10070306	£551.00
KLH-TC25/35-2.0	150	2.0	10070307	£552.00
KLH-TC25/35-2.5	150	2.5	10070308	£554.00
KLH-TC50/65-2.0	200	2.0	10070310	£558.00
KLH-TC50/65-2.5	200	2.5	10070311	£560.00
KLH-TC50/65-3.0	200	3.0	10070312	£561.00
KLH-TC80/100-2.5	250	2.5	10070315	£561.00
KLH-TC80/100-3.0	250	3.0	10070316	£564.00
KLH-TC80/100/150/200-4.5	250	4.5	10070320	£616.00
KLH-TC80/100/150/200-6.0	250	6.0	10070321	£662.00
KLH-TC150/200-7.5	250	7.5	10070325	£685.00



ACTUATED BALL VALVES

(Pump down for VRF)

Description	Code	£
AW17861 1/2"	70040080	£252.69
AW17862 5/8"	70040081	£252.69
AW17863 3/4"	70040082	£296.37
AW17864 7/8"	70040083	£299.79
AW17865 1.1/8"	70040084	£413.43
AW17866 1.3/8"	70040085	£434.79
AW17867 1.5/8"	70040086	£450.00

Kooltech can provide assistance in design and supply for full pump down kits.

Please contact our Technical Department on 01329 848540

Plenum Boxes



Supply Plenum Boxes

Manufactured from ABS
Easy removal of existing air filter
Easy to install
Return plenum boxes also available

Page updated 9th August 2012

PLENUM BOXES

Description	Mitsubishi Electric Unit	Max Air Volume M ³ /min	Recommended Spigots	Spigot Velocity M/S	Code	Net Price £
KD25/S73150S	SEZ-KD-25VA	9	3 x 150mm	2.8	10095000	£45.00
KD35-50/S93200S	SEZ-KD35VA	11	3 x 200mm	2	10095001	£55.00
KD35-50/S93200S	SEZ-KD50VA	15	3 x 200mm	2.7	10095002	£55.00
KD60-71/S114200S	SEZ-KD60VA	18	4 x 200mm	2.4	10095003	£65.00
KD60-71/S114200S	SEZ-KD71VA	20	4 x 200mm	2.7	10095004	£65.00
P15-32VMS/S73150S	PEFY-P15VMS1-E	7	3 x 150mm	2.2	10095010	£45.00
P15-32VMS/S73150S	PEFY-P20VMS1-E	8	3 x 150mm	2.5	10095011	£45.00
P15-32VMS/S73150S	PEFY-P25VMS1-E	9	3 x 150mm	2.8	10095012	£45.00
P15-32VMS/S73150S	PEFY-P32VMS1-E	10	3 x 150mm	3.1	10095013	£45.00
P40-50VMS/S93200S	PEFY-P40VMS1-E	11	3 x 200mm	2	10095014	£55.00
P40-50VMS/S93200S	PEFY-P50VMS1-E	13	3 x 200mm	2.3	10095015	£55.00
P63-80VMA/B114200S	PEFY-P63VMS1-E	16.5	4 x 200mm	2.2	10095016	£65.00
P20-32VMA/B73150S	PEFY-P20VMA-E	8.5	3 x 150mm	2.7	10095020	£45.00
P20-32VMA/B73150S	PEFY-P25VMA-E	8.5	3 x 150mm	2.7	10095021	£45.00
P20-32VMA/B73150S	PEFY-P32VMA-E	10.5	3 x 150mm	3.3	10095022	£45.00
P40-50VMA/B93200S	PEFY-P40VMA-E	14	3 x 200mm	2.5	10095023	£55.00
P40-50VMA/B93200S	PEFY-P50VMA-E	17	3 x 200mm	3	10095024	£55.00
P63-80VMA/B114200S	PEFY-P63VMA-E	19	4 x 200mm	3	10095025	£65.00
P63-80VMA/B114200S	PEFY-P80VMA-E	21	4 x 200mm	2.8	10095026	£65.00
P100-125VMA/B145200S	PEFY-P100VMA-E	33	5 x 200mm	3.5	10095027	£80.00
P100-125VMA/B145200S	PEFY-P125VMA-E	40	5 x 200mm	4.2	10095028	£80.00
RP35-50/B93200S	PEAD-RP35JA	14	3 x 200mm	2.5	10095030	£55.00
RP35-50/B93200S	PEAD-RP50JA	17	3 x 200mm	3	10095031	£55.00
RP60-71/B114200S	PEAD-RP60JA	21	4 x 200mm	2.8	10095032	£65.00
RP60-71/B114200S	PEAD-RP71JA	25	4 x 200mm	3.3	10095033	£65.00
RP100-125/B145200S	PEAD-RP100JA	34	5 x 200mm	3.6	10095034	£80.00
RP100-125/B145200S	PEAD-RP125JA	42	5 x 200mm	4.5	10095035	£80.00

Fire retardant plenum option available - POA



LOW PROFILE REMOTE TEMPERATURE SENSOR

Compatible with all Mitsubishi Electric M & P Series and City Multi Systems

Description	Code	Net Price £
BA/5.3K-LP-50 Temperature Sensor	90012653	£40.00

The Low Profile Sensor is ideal for locations where aesthetics are as important as the temperature measurement. The inconspicuous wall/ceiling sensor mounts easily by pushing through a 3/8" hole and secured with a peel off tape strip. The only visible portion is a flush 7/8" dot on the wall.

Outdoor Unit Deflection Grilles



Deflection Grilles designed for limited space applications.

Glass Traps



Glass condensate traps are specifically designed for the prevention / control of legionella type diseases, they are now installed in a wide range of buildings throughout the world, and have a proven track record.

Details of the full range of Glass Traps and accessories are available at:
www.kooltech.co.uk

Please contact your Sales Manager or local branch for price and availability for other bespoke requirements.

kooltech are leading experts in the air conditioning industry and we design and manufacture a range of control units to suit any application. From simple single unit control panels to the more complex, multi-unit controllers offering remote operation via LAN.

Our entire range is designed to fully integrate with the range of air conditioning units we supply and a bespoke design and build service is available for other applications. KOOLTECH can design and manufacture all types of air conditioning control panels, please ask your local branch for details.



COMMS PANEL

- Control panel for running multiple air conditioning units for M Series, P Series and City Multi systems.
- Monitors unit run time, unit faults and the room air temperature. Automatically switches units on and off. Designed to ensure that all units run for equal lengths of time.
- Will switch on in the event of one of them developing a fault and can activate all units in the event of high room temperature.
- Dimensions: 400mm x 600mm x 250mm.
- From 2 to 8 units
- SMS available as an option.
- Remotes can be panel mounted on request.



AT50/AG150 CONTROL PANEL

- Control panel for running up to four Mitsubishi Electric AG150 Centralised controllers.
- Operated by panels located on the front of the controller and incorporating power pack and other optional features.
- Dimensions: 400mm x 500mm x 200mm

Options:

- Remote access via internet explorer via local network and GPRS interface.
- Frost prevention via frost thermostat within the building.
- Remote Start and Stop linked to BEMS or fire alarm.
- Run and Fault signals for display or linked to BEMS.



GB50ADA CONTROL PANEL

- Control panel for running up to four Mitsubishi Electric GB50 Centralised controllers.
- Controlled via any PC attached via WLAN. Software includes Internet Explorer Plug-In.
- Dimensions: 400mm x 800mm x 250mm

Options:

- Frost prevention via frost thermostat within the building.
- Remote Start and Stop linked to BEMS or fire alarm.
- Run and Fault signals for display or linked to BEMS.
- Remote access via internet explorer via local network and GPRS interface.

CONTROL PANELS

Type	Code	£
COMMS Panel	10100028	POA
AG150 Control Panel	10100064	POA
GB50 Control Panel	10100058	POA

Please visit our website for case study detail on Bespoke Panels designed and supplied by [kooltech](http://www.kooltech.co.uk) - www.kooltech.co.uk



Model	Code	Net Price	
			£
PUHY-P200YJM-A	10100630	£1,500.00	
PUHY-P250 YJM-A			
PUHY-P300 YJM-A			
PUHY-EP200 YJM-A			
PURY-P200 YJM-A			
PURY-P250 YJM-A			
PURY-P300 YJM-A			
PURY-EP200 YJM-A			



Model	Code	Net Price	
			£
PUHY-P350 YJM-A	10100631	£1,750.00	
PUHY-P400 YJM-A			
PUHY-EP250 YJM-A			
PURY-P350 YJM-A			
PURY-P400 YJM-A			
PURY-EP250 YJM-A			
PURY-EP300 YJM-A			



Model	Code	Net Price	
			£
PUHY-P450 YJM-A	10100634	POA	
PUHY-EP300 YJM-A			
PURY-EP350 YJM-A			
PURY-EP450 YJM-A			



Model	Code	Net Price	
			£
PUHY-RP200 YJM-B	10100632	POA	
PUHY-RP250 YJM-B			
PUHY-RP300 YJM-B			
PURY-RP200 YJM-B			
PURY-RP250 YJM-B			
PURY-RP300 YJM-B			



Model	Code	Net Price	
			£
PFD-P250VM-E	10100635	POA	



Model	Code	Net Price	
			£
PFD-P500VM-E	10100636	POA	



Model	Code	Net Price	
			£
PQHY-P200YHM-A	10100633	£2,000.00	
PQHY-P250YHM-A			
PQHY-P300YHM-A			
PQRY-P200YHM-A			
PQRY-P250YHM-A			
PQRY-P300YHM-A			



Purchase your BIG FOOT support system at the same time as your City Multi Strip Down and we will assemble it for you on site **FREE OF CHARGE**. Only assembled for use with strip down units.

kooltech's Technical Department provides a comprehensive range of technical services.

TECHNICAL HELPLINE

Our Technical Helpline is based at our Fareham branch. Our experienced team of engineers are on hand to assist with any product, commissioning or fault finding issues.

kooltech TECHNICAL HELPLINE 01329 848540

SITE VISITS

Our team of experienced engineers provide an array of services on site. These include fault finding on Mitsubishi Electric's VRF, Mr Slim and control systems. Using Mitsubishi Electric's latest Monitoring Tool Software all findings are supported with comprehensive written reports.

COMMISSIONING - (CODE 10100500) £500

Our engineers will either assist or provide full commissioning for all Mitsubishi Electric VRF systems as well as Mitsubishi Electric control Systems.

Where full commissioning is provided the system is thoroughly inspected, appraised and checked against design drawings to ensure maximum system efficiency. We then confirm whether the system is operating to its design parameters. On completion, a Commissioning Log Book is provided with an accurate operating record of the working system. Where performance related problems are encountered we will make any relevant recommendations to correct them.

Using this Commissioning Service will assist you to ensure that your systems operation, performance and efficiency is maximised.

TROUBLE SHOOTING - (CODE 10100501) £400

We also provide invaluable troubleshooting for contractors and consultants alike. The proven success of our expert troubleshooting ensures that our customers benefit from maximum system efficiency at all times. This service includes site inspection and assessment to whatever degree is necessary and is always supported by a written report.

Available on a daily rate basis our engineers work quickly, utilising their extensive product knowledge to identify and rectify any problems.

DIAGNOSTIC HEALTH CHECKS - (CODE 10100501) £400

Working closely with our clients, we monitor the operation of any system and ensure maximum performance.

Our Diagnostic Health Check service typically includes :

- Complete bi-annual system check-ups.
- Checking refrigerant levels using diagnostic software.
- Checking that maintenance procedures of any third party have been processed.
- On screen display of system performance.
- All findings supported with a full written report.

SPARES

Supported by on line spare parts identification, extensive stock and a comprehensive in house data base, **kooltech** can quickly identify and arrange despatch of any Mitsubishi Electric part. Contact your local branch or phone the Technical Helpline indicated below for assistance.

RECONDITIONED INVERTERS AND STRIP DOWN AND REBUILD

Provided with a full 12 month on site warranty, **kooltech** can rebuild any Mitsubishi Electric VRF Inverter. The strip down and rebuild service is carried out in our workshops, then delivered back to site.

RECONDITIONED INVERTERS

Description	Code	£
PU(H)Y/PURY-YMA/B	90010330	£2050.00
PU(H)Y/PURY-YMF	90010331	£2050.00
PU(H)Y/PURY-YMF-B	90010332	£2050.00
PU(H)Y/PURY-YMF-C	90010333	£2050.00
PU(H)Y/PURY-YGM-A	90010334	£1350.00

£50 credit payable on return of old inverter box.

TRAINING - (CODE 10100503)

Kooltech provides training for the complete Mitsubishi Electric range either at its Glasgow, Manchester or Fareham Training Centres or at clients premises where numbers permit. Details of the current training courses and dates can be found on our website - www.kooltech.co.uk alternatively contact your local branch for further information.

CONTROL PANEL DESIGN

kooltech's Technical Department has for many years manufactured control panels to suit any application. Whilst primarily designed to operate with the range of air conditioning units we supply, bespoke panels can be designed and built for other brands. Details of our control panels are included within this price book, however if you require further information, please contact your Sales Manager, Branch or visit our website - www.kooltech.co.uk

CONTROLS COMMISSIONING & FAULT FINDING (CODE 10100508)

Our engineers will either assist or provide full commissioning for all Mitsubishi Electric control systems.

KOOLTECH TECHNICAL HELPLINE 01329 848540 www.kooltech.co.uk

WARRANTY

kooltech are able to provide an exceptionally high value 5 year warranty for Mitsubishi Electric's City Multi range, subject to the following:

- The system can either be installed and commissioned by a Mitsubishi Electric Business Solution Partner (BSP) or installed by a Mitsubishi Electric Accredited Installer (AI), however in this instance it must be commissioned by a **kooltech** or **MEUK** engineer.
- A Mitsubishi Electronic Commissioning Log Book must be completed and returned.
- In accordance with Mitsubishi Electric's latest Standards Brochure, periodic maintenance must be carried out. Maintenance reports must be available for inspection by Mitsubishi Electric at any time.
- Any product installed and commissioned at a site must remain at that site to continue to qualify for the 5 year warranty.

MITSUBISHI ELECTRIC WARRANTY

Every precaution has been taken during the design and manufacturing process to ensure that your new Mitsubishi Electric product conforms to the highest standards. Modern air conditioners are manufactured to safeguard owners against unexpected failures through excellent workmanship, good design and choice of materials. In the event of a warranty fault the owner should advise the original installer. If this is not possible then we can be contacted and provided with all the relevant details.

If **kooltech's** product is not free from defect in material and workmanship under normal use and service, then we will provide a repair or replacement at our discretion and defective part, within the specified warranty period, normally 3 years.

This is subject to the product being serviced regularly at least every 6 months by a competent authorised contractor.

Under our terms and conditions of sale we reserve the right to null and void our warranty agreement if any of the conditions are breached.

The above decision is of course subject to our discretion.

LABOUR ALLOWANCES (MITSUBISHI ELECTRIC AIR CONDITIONING)

With reference to our Terms and Conditions of Sale - Warranty Labour Allowances paid out to customers are at the discretion of the **kooltech** National Technical Manager.

NON BSP/AIs (BSP/AIs should refer to their info packs)	Code	£
Replace PAC / RAC up to 6HP compressor	10100520	£150.00
PUHZ RP 200/250 8HP & 10HP compressor	10100521	£200.00
Replace fridge circuit component	10100522	£100.00
Repair leaks within unit	10100523	£100.00
Replace fan motor	10100524	£50.00
Replace fan blades	10100525	£50.00
Replace condensate lift up mechanism	10100526	£50.00
Replace auto swing louvre motor	10100527	£50.00
Replace electronic control board	10100528	£50.00
Replace an outdoor unit	10100529	£250.00
Replace an indoor unit	10100530	£150.00

For City Multi and other parts not listed please contact your local branch for a full listing.

Dead on commissioning units can only be claimed if the unit fails within 12 hours of operation. Before any dead on commissioning units are replaced, the **kooltech** National Technical Manager or Mitsubishi Warranty Manager must be informed and this must be confirmed. Ideally the **kooltech** Technical Department should either communicate with the customer or attend site to inspect first to report, before getting MEU-UK involved.

Warranty replacement confirmation is at the discretion of the **kooltech** National Technical Manager. Dead on commissioning claims to MEU-UK maybe refused if permission to replace components is not gained from them beforehand.

EXCLUSIONS TO WARRANTY CLAIMS

- Crane Hire
- Portable Equipment Hire
- Out of hours work
- Installation of equipment in inaccessible places, which generates labour intensive replacement
- Failures due to poor installation
- Failures due to interruptions in electrical supply, mains distribution boards, circuit breakers and incorrect connection of the electrical supply.
- Future changes in design which may have adverse operational effects on the installed systems.
- Failures as a result of lack of adequate or no maintenance.



CITY MULTI

FAULT CODE	R22	R407c	R410A	LOSSNAY	DESCRIPTION
403	x	x	x	-	Comms fault between boards - check inverter error detail for which 2 boards, check transformer, bus voltage and inter-connecting cables
900	-	-	-	-	Lossnay unit in test run
1102	x	x	x	-	High compressor discharge temperature. Discharge temperature has exceeded 110°C or more. Short of refrigerant. Discharge thermistor
1111	x	x	-	-	Low pressure/temperature fault - check thermistors (TH2, TH3, TH4), gas charge, indoor fan, heat exchanger and filter
1112	x	x	-	-	Low pressure/temperature fault - check thermistors (TH2, TH3, TH4), gas charge, indoor fan, heat exchanger and filter
1113	x	x	-	-	Low pressure/temperature fault - check thermistors (TH2, TH3, TH4), gas charge, indoor fan, heat exchanger and filter
1202	x	x	x	-	Preliminary fault to 1102
1204	-	-	x	-	Preliminary heat exchanger gas temperature sensor fault - check thermistors 10a and 10b
1205	x	x	x	-	Preliminary thermistor fault (TH5)
1211	x	x	-	-	Preliminary thermistor fault (TH2)
1214	x	x	x	-	Preliminary thermistor fault (THHS)
1216	x	x	x	-	Preliminary thermistor fault (TH7)
1217	x	x	x	-	Preliminary thermistor fault (TH8)
1219	x	x	-	-	Preliminary thermistor fault (TH9)
1221	x	x	x	-	Preliminary thermistor fault (TH6)
1243	-	x	-	-	Preliminary thermistor fault (TH10)
1301	-	x	-	-	Low pressure fault (63L operation) low pressure sensor sensing less than 1 bar immediately before starting
1302	x	x	-	-	High pressure fault - check pressure in system for more than 29 bar (R407c) 38 bar (R410A). Check high pressure sensor against gauge pressure
1368	x	x	-	-	Pressure sensor fault (PS1) at BC - compare pressure reading on SW1 on O/C
1370	x	x	-	-	Pressure sensor fault (PS3) at BC - compare pressure reading on SW1 at O/C
1402	-	-	x	-	Preliminary fault to 1302
1500	x	x	x	-	System overcharge. Abnormal low compressor superheat - discharge thermistor TH4
1501	x	x	-	-	High compressor shell temp - check for shortage of gas, insufficient indoor index running (comms room units)
1505	x	x	-	-	Suction pressure abnormal - generated by low pressure sensor detecting a vacuum - check for blockage, closed valve or sensor fault
2500	x	x	x	-	Detecting lack of water flow on a water circuit
2502	x	x	x	-	I/C has water level in drip tray, when the unit was running in cooling (temperature sensors - check for open or closed circuit and operation of pump)
2503	x	x	x	-	I/C has water level in drip tray when the unit was running in cooling (float sensor - check for closed circuit on float switch and operation of pump)
2600	x	-	x	-	Water leak from humidifier
4100	-	-	-	-	Compressor over current protection on Mr Slim with M-net interface - check inverter or compressor
4101	-	-	-	-	Compressor over current protection on Mr Slim with M-net interface - check inverter or compressor
4102	-	-	x	-	Open phase fault - check power supply and noise filter for loss of phase, check wiring and fuses
4103	x	x	x	-	Reverse phase fault - check phase rotation, loss of phase through the noise filter, fuse blown and high pressure switch open at power on
4106	-	-	x	-	Transmission power supply fault - check wiring, high current, incorrect voltage on transmission line and/or M-Net board
4108	-	x	-	-	Over current protection on DOL compressor - check power supply, contactor and compressor
4115	x	x	x	-	Power supply abnormal - check power, fuses, connections and PCB
4116	x	x	x	-	Fan motor abnormal - check fan motor and board (relates to indoor unit or Lossnay unit)
4124	-	-	-	-	Thermal switch (49C) open circuit on Mr Slim on M-Net - reset and check pressures and air flow
4210	x	-	-	-	Compressor over current problem - check inverter balance. Compressor and inverter
4220	-	x	x	-	Low inverter board BUS voltage. Less than 289VdcDC is detected. - check mains supply
4225	-	-	x	-	Low DC voltage on Vdc on fan inverter - check CNVdc for 300Vdc on diode stack and check mains power supply to outdoor unit
4230	x	x	x	-	High temperature on heat sink on inverter - check for blockages in air duct, failure of INV fan or failure of thermistor
4235	-	-	x	-	Fan inverter heat sink overheat protection. Reduced airflow through heat sink. Fan motor problem. THHS thermistor problem.
4240	x	x	x	-	Over current protection. If high current is detected for more than 10 minutes - check inverter balance. Reduced airflow through heat sink
4245	-	-	x	-	Over current protection. Possible ACCT current sensor fault. Should read 280 ohms between pins 1 & 2 and across pins 3 & 4
4250	-	-	x	-	Over current protection. Inverter IPM problem. Compressor lock - check inverter balance
4255	-	-	x	-	Inverter cooling fan problem - if high static fan is used then check that SW3-9 is on
4260	-	x	x	-	Preliminary inverter heat sink overheat protection. Reduced airflow through heat sink. Fan motor problem. THHS thermistor problem.
5101	x	x	x	-	Thermistor fault at indoor/outdoor unit - check fault code address
5102	x	x	x	-	Thermistor fault at indoor/outdoor unit - check fault code address
5103	x	x	x	-	Thermistor fault at indoor/outdoor unit - check fault code address
5104	x	x	x	-	Thermistor fault at indoor/outdoor unit - check fault code address - (indoor fault - check SW7-3 is off)
5105	x	x	x	-	TH5 open/short circuit - check if the TH is disconnected from the board
5106	x	x	x	-	TH6 open/short circuit - check if the TH is disconnected from the board
5107	x	x	x	-	TH7 open/short circuit - check if the TH is disconnected from the board
5108	x	x	x	-	TH8 open/short circuit - check if the TH is disconnected from the board
5109	-	x	-	-	TH9 open/short circuit - check if the TH is disconnected from the board
5110	x	x	x	-	TH10 open/short circuit - check if the TH is disconnected from the board
5111	x	-	x	-	BC box thermistor error - TH11 open/short circuit, disconnected from board/pipe

CITY MULTI CONTINUED

FAULT CODE	R22	R407c	R410A	LOSSNAY	DESCRIPTION
5112	x	x	x	-	BC box thermistor error - TH10 open/short circuit, disconnected from board/pipe
5113	x	-	-	-	BC box thermistor error - TH open/short circuit, disconnected from board/pipe
5114	x	-	-	-	BC box thermistor error - TH open/short circuit, disconnected from board/pipe
5115	x	-	x	-	BC box thermistor error - TH15 open/short circuit, disconnected from board/pipe
5116	x	-	x	-	BC box thermistor error - TH16 open/short circuit, disconnected from board/pipe
5201	x	x	x	-	Pressure sensor fault outdoor unit/BC box - check fault code address/SW1 pressure sensor readings
5202	x	-	-	-	Pressure sensor fault (PS2) in the BC box
5203	x	x	x	-	Pressure sensor fault (PS3) in the BC box
5300	-	-	-	-	A-Control UH fault - see Mr Slim fault code list
5301	-	x	x	-	Current sensor fault, ACCT or DCCT - check inv. error details
5401	-	-	x	-	Temperature sensor fault - check CN30 for humidity sensor
5701	-	-	x	-	Loose float switch connector - check switch, check CN4F on indoor unit
6201	-	-	x	-	TB7 transmission line communication error - check for voltage abnormality/short
6202	-	-	x	-	Transmission processor hardware error - check for noise/short on M-Net cable
6600	x	x	x	-	Repeat address fault - two or more units are assigned the same address - correct the repeated address
6601	-	-	x	-	Polarity setting error - no voltage or short circuit on the m-net transmission line
6602	x	x	x	-	Hardware error of transmission processor. Noise interference. Polarity problem on TB7
6603	x	x	x	-	Bus circuit busy - check if indoor unit, Lossnay unit or anything else has been wired into TB7, instead of TB3
6607	x	x	x	-	Communication issue - no response back from unit whilst system is operational
6608	x	x	x	-	Communication error - loss of voltage or noise entering the transmission line
6700	-	-	-	-	K control communication error - R22 type unit connected onto M-Net circuit comms error
6701	-	-	-	-	K control communication error - R22 type unit connected onto M-Net circuit comms error
6702	-	-	-	-	K control duplicate address error - two or more R22 type units connected onto M-Net circuit with the same address
6750	-	-	-	-	K control communication error - R22 type unit connected onto M-Net circuit comms error
6751	-	-	-	-	R22 R/A thermistor fault (P1)
6752	-	-	-	-	R22 frost protection at I/C (P6)
6753	-	-	-	-	Comms fault between O/C and I/C
6754	-	-	-	-	R22 drain fault (P5)
6755	-	-	-	-	R22 drain fault (P5)
6756	-	-	-	-	R22 frost protection at I/C (P6)
6757	-	-	-	-	System error
6758	-	-	-	-	Comms fault between I/C and O/C
6761	-	-	-	-	R22 R/A thermistor fault (P1)
6762	-	-	-	-	R22 TH2 fault check resistance (P2)
6763	-	-	-	-	R22 Comms fault between I/C and O/C
6764	-	-	-	-	R22 drain fault (P4)
6765	-	-	-	-	R22 drain fault (P5)
6766	-	-	-	-	R22 frost protection at I/C (P6)
6767	-	-	-	-	R22 comms fault between I/C and O/C
6771	-	-	-	-	K abnormality - high pressure abnormality or low pressure abnormality
6772	-	-	-	-	K abnormality - inner thermostat function, discharge temperature abnormality, shell thermostat function, over current protection
6773	-	-	-	-	K abnormality - radiator plate thermostat function
6774	-	-	-	-	K abnormality - outdoor thermistor abnormality
6775	-	-	-	-	K abnormality - pressure sensor abnormality, indoor/outdoor communication error
6776	-	-	-	-	K abnormality - over current shut-off
6777	-	-	-	-	K abnormality - system error
6778	-	-	-	-	K abnormality - normal
6779	-	-	-	-	K abnormality - refrigerant overcharge, abnormal voltage, abnormal CT sensor
6830	-	-	-	-	Comms fault between I/C and R/C check connections to MA R/C and check for 12Vdc check R/C not set sub controller
6831	-	-	x	-	MA R/C communication fault - check connections on TB15 or that the controller was removed while the I/C was powered
6832	-	-	x	-	MA controller comms fault - check cable length no bigger than 500m, check connection and type of cable used, check R/C not set sub on field settings
6833	-	-	x	-	MA controller comms fault check cable length no bigger than 500m, check connection and type of cable used, check R/C not set sub on field settings
6834	-	-	x	-	MA Controller comms fault - check cable length no bigger than 500m, check connection and type of cable used, check R/C not set sub on field settings
6840	-	-	-	-	A-Control E6/E8 fault - see Mr Slim fault code list
6841	-	-	-	-	A-Control E7/E9 fault - see Mr Slim fault code list
6844	-	-	-	-	A-Control EA fault - see Mr Slim fault code list
6845	-	-	-	-	A-Control Eb fault - see Mr Slim fault code list
6846	-	-	-	-	A-Control EC fault - see Mr Slim fault code list

CITY MULTI CONTINUED

FAULT CODE	R22	R407c	R410A	LOSSNAY	DESCRIPTION
7100	x	x	x	-	Over capacity - (R2 150% index exceeded) (Y 130% index exceeded)
7101	x	x	x	-	Capacity setting error - SW2 set wrong on indoors, SW5 on YHMA outdoor, (SW3-10 on older kit)
7102	x	x	x	-	Error in number of connected units - loss of M-Net voltage (short or break), no power to BC, wrong SW5 setting on box, wrong box type
7105	x	x	x	-	Address setting error - OC or BC addressed wrong
7106	-	x	x	-	Attribute setting error - SW3-1 setting on a GUF
7107	x	x	x	-	Port setting error - check if too much capacity on a single port, wiring SW2 setting, wrong SW14 setting or wrong units on a box when using multiple boxes
7110	-	-	x	-	Check SW5-7 is correctly set
7111	x	x	x	-	Remote control sensor fault - SW1 - 1 on and no controllers fitted or faulty remote controller
7113	-	-	x	-	Function setting error - wrong SW5 setting or wrong resistors fitted on YHM-A
7117	-	-	x	-	Model setting error - SW5 set wrong or wrong resistors in
7130	-	x	x	-	Incompatible equipment on M-Net - check split with MAC 399 wired onto the TB5 line TB5 line, not the TB7

PWFY

FAULT CODE	DETAIL CODE	DESCRIPTION
403	1	Comms fault between boards - check between control board an inverter board
403	5	Comms fault between boards - check between control board an fan board
1102		High compressor discharge temperature - discharge temp has exceeded 115°C or more - check if short of refrigerant or discharge thermistor
1301		Low pressure fault - low pressure sensor sensing less than 1 bar immediately before starting
1302		High pressure fault - check system pressure exceeded 32.3 bar, check high pressure sensor (63HS) against gauge pressure
2000		Pump interlock error - pump interlock open whilst system in operation
2134		Abnormal water temperature (TH6) has exceeded 85°C
2135		Water source heat exchanger frozen (TH6) or (TH8) reading 2°C
4102		Open phase fault - check power supply and noise filter for loss of phase, check wiring and fuses
4115		Power supply abnormal - check power, fuses, connections and PCB
4220	108	Low inverter board BUS voltage - less than 200Vdc is detected during inverter operation - check mains supply
4220	1	Bus voltage error PAM damage - replace the inverter board
4220	109	High bus voltage Vdc > 380v - check power supply and possible faulty inverter board
4220	121	Replace inverter board
4230		High temperature (85°C) on heat sink on inverter - check for blockages in air duct, failure of INV fan or failure of thermistor (THHS)
4250	101	Over current protection - inverter IPM problem or compressor lock - check inverter balance
4250	102	ACCT sensor over current detection 34.5A peak or 16A rms is detected - check the compressor for failure, or possible inverter board failure
5102		Thermistor TH22 failure
5103		Thermistor TH13 or TH23 failure
5104		Thermistor TH11 failure
5106		Thermistor TH6 failure
5108		Thermistor TH8 failure
5201		High pressure sensor fault - check the system pressure is > 1 bar, check the operation of 63HS high pressure transducer
5202		Pressure sensor fault
5301		Current sensor fault, ACCT or DCCT - check inv. error details
5301	115	Low output current < 1.5A rms whilst the inverter is in operation

P Series (A)

FAULT CODE	LED 1 (GREEN)	LED 2 (RED)	CENTRAL CONTROLLER	DESCRIPTION
A0	2 flash	5 flash	6600	Duplicate address - Lossnay units attached with the same address - change addresses and reset the units power
A2	2 flash	5 flash	6602	Hardware error of transmission processor (Lossnay) - check comms wiring, and for possible Lossnay board fault
A3	2 flash	5 flash	6603	Line busy no data could be transmitted for 8 minutes - check A- M-Net connections (TB7 and TB3)
A6	2 flash	5 flash	6606	Communication error with communication processor - Lossnay address not transmitted - check M-Net voltage
A7	2 flash	5 flash	6607	No ACK signal - check A- M-Net wiring, range of transmission wiring exceeded or if faulty A- M-Net converter
A8	2 flash	5 flash	6608	M-Net no response - check A- M-Net wiring, range of transmission wiring exceeded, faulty A- M-Net converter or if incorrect wire used for M-Net connection
EA	-	-	6844	Mis-wiring/loose inter-connecting cables. Noise interference.
EB	-	-	6845	Mis-wiring/loose interconnecting cables. Noise interference. Wrong cable size/spec
EC	-	-	6846	Start-up time over. The unit has failed to initialise after power up. Noise interference. Wrong cable size/spec.
ED	2 flash	5 flash	403	Serial communication error. Comms error between boards on outdoor unit caused by M-Net interface board incorrectly fitted.
EF	2 flash	4 flash	6607	Non-defined error code. Noise interference - power down outdoor unit for 30 seconds then switch back on
E0	2 flash	3 flash	-	Remote controller communication error - check wiring, connections and comms voltage. Also check Master/Slave settings if multiple systems are connected
E1	-	-	-	Remote controller issue - if grouped, check addressing. If twinned, check wired to master indoor only
E2	-	-	-	Remote controller issue - if grouped, check addressing. If twinned, check wired to master indoor only

P Series (A) CONTINUED

FAULT CODE	LED 1 (GREEN)	LED 2 (RED)	CENTRAL CONTROLLER	DESCRIPTION
E3	2 flash	3 flash	-	Remote controller issue - not transmitting - if grouped, check addressing. If twinned check wired to master indoor only
E4	2 flash	3 flash	-	Remote controller issue - not receiving - if grouped, check addressing. If twinned, check wired to master indoor only
E5	2 flash	3 flash	-	Remote controller issue - not receiving - if grouped, check addressing. If twinned, check wired to master indoor only
E6	2 flash	2 flash	6840	Indoor/outdoor communication error, mainly caused by outdoor unit being powered up before indoor unit. Drain pump being wired into S1 and S2 causes interference
E7	2 flash	2 flash	-	Comms fault between I/C and O/C - check for condensate pump at I/C, reset power to O/C, check 12/24Vdc on S2 and S3 possible I/C board failure
E8	-	-	6840	Comms failure indoor to outdoor (S2/S3) - check pumps wired in, check indoor isolator and re-power in the correct sequence i.e. indoor then outdoor
E9	-	-	6841	Comms failure indoor to outdoor (S2/S3) - check pumps wired in, check indoor isolator and re-power in correct sequence i.e. indoor then outdoor
FA	1 flash	2 flash	4108	51CM connector open - check thermal relay for disconnection or contact failure. Possible defective board
F1	1 flash	1 flash	4103	Reverse phase detection - check power supply, try swapping 2 phases round. Possible defective board
F2	1 flash	1 flash	4102	L3 phase open - check power supply, also check for open circuit protection devices
F3	1 flash	2 flash	5202	63L open - check low pressure switch for disconnection or contact failure. Possible defective board
F4	1 flash	2 flash	4124	49C open - compressor inner thermostat for open circuit or contact failure
F5	1 flash	2 flash	5201	63H open - check high pressure switch for disconnection or contact failure. Possible defective board
F7	1 flash	3 flash	4118	Phase detection circuit fault - faulty outdoor board
F8	1 flash	3 flash	-	No input detected at outdoor unit - outdoor board defective
F9	1 flash	2 flash	4119	Two or more protection devices are open - check protection devices for disconnection or contact failure
P1	4 flash	1 flash	-	Return air thermistor fault (TH1) - check if TH1 disconnected or open or close circuit
P2	4 flash	1 flash	-	Liquid pipe thermistor fault (TH2) check if TH2 disconnected or open or close circuit
P4	4 flash	2 flash	-	Drain sensor fault - DS open or close circuit
P5	4 flash	2 flash	-	High condensate level - drain pump failure or blockage in the drain
P6	4 flash	3 flash	-	Freezing/Overheating of indoor unit heat exchanger - mainly caused by reduced air flow through indoor coil. Dirty filters. Fan motor problem. Blockage.
P8	4 flash	4 flash	-	Abnormal pipe temperature - mainly caused by refrigerant leakage. Possibility that the thermistor mounted incorrectly
P9	4 flash	1 flash	-	TH5 condenser/evaporator thermistor open/close circuit. Disconnected from the board.
U1	3 flash	2 flash	1302	High pressure trip - outdoor fan failure, blocked coil, blockage in the system, blocked filters on indoor in heating etc
U2	3 flash	1 flash	1102	High discharge temperature - compressor over heating due to lack of refrigerant, faulty thermistor, high ambient running conditions. Can also be caused by 49C (comp inner thermostat or external Klixon) tripping
U3	3 flash	5 flash	5104	Discharge thermistor fault
U4	3 flash	5 flash	5105	Outdoor thermistor fault
U5	3 flash	6 flash	4230	Inverter heat sink temperature too high (TH8) - check for lack of air flow around heat sink, no silicone paste, faulty thermistor (temperature can be read from service tool (or PAR21 on power inverter model))
U6	3 flash	4 flash	4250	Compressor over current - carry out inverter output test and electrical checks to the compressor
U7	3 flash	1 flash	1520	Low discharge superheat - check TH4 reading is correct. Check LEV operations

P Series (K)

FAULT CODE	DESCRIPTION
E0	System transmission error - check for possible comms fault between I/C and R/C, could also be incorrect group or master/slave settings (check CN40, SW2 and SW6)
P1	TH1 fault - check return air thermistor (6.4K @ 20°C)
P2	TH2 fault - check coil/pipe thermistor (6.4K @20°C)
P3	System transmission error - check for possible comms fault between I/C and R/C, could also be incorrect group or master/slave settings (check CN40, SW2 and SW6)
P4	Drain sensor fault - check drain sensor resistance, connection and continuity
P5	Drain fault - unit has detected high condensate - check for blockage in drain or tray, pump failure or sensor fault
P6	Frost protection in cooling/Overheat protection in heating - detected by indoor coil sensor - general causes are lack of air flow or refrigerant charge problem
P7	System error - address setting fault - check CN40 SW2 and SW6. Potential board issue
P8	Abnormal pipe/coil temperature - no temperature change at indoor unit after 9 minutes of operation. General causes are outdoor unit tripped, problem with refrigerant charge or lack of air flow at the indoor unit. TH2 faulty or not mounted correctly
LD1	Reverse phase on mains supply - change phases around, check for potential board problem
LD2	Component open circuit - check CH, 52C, 21S4, SV, 63H and 26C for open circuit or disconnected
LD3	Outdoor coil thermistor is open or short circuit may be disconnected or outdoor board fault
LD4	63H high pressure switch open - investigate high pressure causes, 63H switch disconnected
LD5	51CM overcurrent relay open - compressor locked or pulling too much current - check power supply.
LD6	26C thermal switch open - check if refrigerant level low or if 26C is disconnected
LD7	Overheat protection - coil temp has exceeded 67°C - reduced airflow through condenser - check for fan motor problem or thermistor problem.
LD8	Input circuit of outdoor board - replace the outdoor board

TEMPERATURE

$$(^{\circ}\text{F}-32) \div 1.8 = ^{\circ}\text{C}$$

$$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$$

AREA

$$\text{in}^2 \times 645.2 = \text{mm}^2$$

$$\text{ft}^2 \times 0.0929 = \text{m}^2$$

$$\text{mm}^2 \times 0.00155 = \text{ft}^2$$

$$\text{m}^2 \times 10.764 = \text{ft}^2$$

VOLUME

$$\text{ft}^3 \times 0.02832 = \text{m}^3$$

PRESSURE

$$\text{kPa} \div 6.89 = \text{psi}$$

$$\text{inch Hg} \times 3.39 = \text{kPa}$$

$$\text{inch water gauge} \times 0.249 = \text{kPa}$$

$$\text{inch water gauge} \times 2.491 = \text{millibars}$$

$$\text{inch water gauge} \times 249.1 = \text{pascals (Pa)}$$

$$\text{mm Hg (1 torr)} \times 0.133 = \text{kPa}$$

$$1 \text{ Pa} = 1 \text{ Newton/m}^2 = 10^2 \text{ millibars}$$

VELOCITY

$$\text{f/s} \times 0.3048 = \text{m/s}$$

$$\text{fpm} \times 0.00508 = \text{m/s}$$

HEAT FLOW

$$\text{Btu/hr} \times 0.252 = \text{kcal/hr}$$

$$\text{Btu/hr} \times 0.293 = \text{watts}$$

$$\text{watts} \times 0.86 = \text{kcal/hr}$$

$$\text{watts} \times 3.4129 = \text{Btu/hr}$$

$$\text{kcal/hr} \times 1.163 = \text{watts}$$

$$\text{kcal/hr} \times 3.97 = \text{Btu/hr}$$

$$\text{watts} \times 0.0133 = \text{HP}$$

$$\text{HP} \times 746 = \text{watts}$$

$$\text{ton (refrig)} \times 3517 = \text{watts}$$

$$\text{watts} \times 0.00024 = \text{ton (refrig)}$$

VOLUME FLOW

$$\text{cfm} \times 0.472 = \text{l/s}$$

$$\text{cfm} \times 0.000472 = \text{m}^3/\text{s}$$

$$\text{m}^3/\text{s} \times 2119 = \text{cfm}$$

$$\text{fpm} \times 0.00508 = \text{m/s}$$

$$\text{imp gal/min} \times 0.0758 = \text{l/s}$$

$$\text{U.S. Gallon/min} \times 0.0631 = \text{l/s}$$

AIR CONDITIONING

Accessories

20



Kool Line



Kool Tank



PE5100



Delta Pack



CONDENSATE PUMPS - 230V / 50Hz

KOOLTANK - Our most popular Tank Pumps c/w Float & Safety Switch

Model	Sensor	Tank Litre	Dimensions H x W x D mm	Max Discharge m	Max Suction m	Max Flow l/hr	Noise at 1m dB(A)	Safety Switch	Discharge Conn Size	Code	£
KOOLTANK Standard	Float & Safety Switch	2	171 x 279 x 130	3.7	-	350 l/hr	45	Yes	3/8"	20015003	£58.75
KOOLTANK HD	Float & Safety Switch	2	171 x 279 x 130	5.4	-	500 l/hr	45	Yes	3/8"	20015002	£68.00

Model	Sensor	Dimensions H x W x D mm	Max Head m	Max Lift m	Max Flow l/hr	Noise at 1m dB(A)	Safety Switch	Discharge Conn Size	Code	£
KOOL LINE	Float	55 x 58 x 42	6	1.5	10	30	Yes	1/4"	20015001	£54.38
PE5100 Universal	Temp Diff	91 x 109 x 102	12	2	6	30	No	1/4"	20012003	£144.38
Delta Pack	Electronic Float	Fitted in Trunking	6	1	8	28	Yes	1/4"	20012017	£118.75

Details of our full range of condensate pumps can be found on pages 22-25.



KOOL HOSE

Description	Code	£
1/4" x 30m Clear Reinforced PVC tube	20015020	£14.40
3/8" x 30m Clear Reinforced PVC Tube	20015021	£19.23
1/4" x 30m Black Reinforced PVC tube	20015022	£14.40
3/8" x 30m Black Reinforced PVC Tube	20015023	£19.23



KOOL BRACKET

150kg c/w built in spirit level

Description	Code	£
450mm Arm - 150kg	20015030	£25.00
560mm Arm - 150kg	20015031	£28.75

KOOL CAGE

Description	Dimensions H x W x D mm	Code	£
Small	750 x 1050 x 460	20015040	£328.50
Medium	1150 x 1150 x 650	20015041	£438.00
Large	1550 x 1150 x 650	20015042	£529.50
Extra Large	1800 x 1150 x 650	20015043	£750.00
Small Base Panel/Drip Tray		20015044	£109.65
Medium Base Panel/Drip Tray		20015045	£150.93
Large Base Panel/Drip Tray		20015046	£150.93
Small Front Panel		20015047	£141.00
Medium Front Panel		20015048	£176.85
Large Front Panel		20015049	£255.00
Small Base Panel		20015050	£63.75
Medium Base Panel		20015051	£80.40
Large Base Panel		20015052	£80.40



KOOL CAGE

Mitsubishi Electric Sizing Table

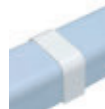
Model	Size
MUH GA50VB	Small
MUH GA60VB	Medium
MUZ HC25/35VA(B)	Small
MUZ FD25/35VAH	Small
MUZ GC25VA	Small
MUZ GA/C35VA	Small
MUZ GB 50/60/71VA	Medium
SUZ KA25/35VA	Small
SUZ KA50/71VA	Medium
PUH P100YHA	Medium
PUH P125/140YHA	Large
PUHZ P100VHA2	Medium
PUHZ P125/140VHA2	Large
PUHZ RP35/50VHA2	Small
PUHZ RP35/50VHA3	Small
PUHZ RP60/71/100VHA2	Medium
PUHZ RP60/71/100VHA3	Medium
PUHZ P200/250YHA	Large
PUHZ RP200/250YHA2	Large
PUHZ W90VHA-H/C	Medium
MXZ 2A52VA	Small
MXZ 3A54VA	Medium
MXZ 4A71VA	Medium
MXZ 4A80VA	Medium
MXZ 5A100VA	Medium
MXZ 8A140VA	Large

KOOL TRUNK

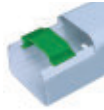
A range of competitively priced quality trunking



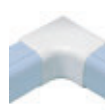
TRUNKING - 2 METRE LENGTHS		
Dimensions W x H mm	Code	£
80 x 60	20044050	£11.65
90 x 65	20044002	£16.44
125 x 75	20044003	£22.26



UPPER CONNECTOR		
Dimensions W x H mm	Code	£
80 x 60	20044052	£2.70
90 x 65	20044022	£2.88
125 x 75	20044023	£3.25



TIGHTENING CLAMP		
Dimensions W x H mm	Code	£
80 x 60	20044051	£0.48
90 x 65	20044006	£0.57
125 x 75	20044007	£0.69



INTERNAL ELBOW		
Dimensions W x H mm	Code	£
80 x 60	20044054	£4.65
90 x 65	20044018	£7.28
125 x 75	20044019	£8.70



WALL DUCT		
Dimensions W x H mm	Code	£
80 x 60	20044053	£3.60
90 x 65	20044032	£4.30
125 x 75	20044033	£4.93



END COVER		
Dimensions W x H mm	Code	£
80 x 60	20044056	£2.85
90 x 65	20044039	£3.03
125 x 75	20044040	£3.40



EXTERNAL ELBOW		
Dimensions W x H mm	Code	£
80 x 60	20044055	£5.10
90 x 65	20044028	£7.98
125 x 75	20044029	£8.63



WALL BEND		
Dimensions W x H mm	Code	£
80 x 60	20044058	£5.90
90 x 65	20044010	£7.53
125 x 75	20044011	£8.68



FLAT BEND		
Dimensions W x H mm	Code	£
80 x 60	20044057	£4.85
90 x 65	20044014	£7.48
125 x 75	20044015	£8.63



JOINT REDUCTION		
Dimensions W x H mm	Code	£
80 x 60	20044062	£2.48
125 x 90	20044036	£4.00



T JOINT		
Dimensions W x H mm	Code	£
80 x 60	20044061	£11.48
90 x 65	20044025	£14.65
125 x 75	20044026	£15.68



FLEXIBLE SLEEVE		
Dimensions W x H mm	Code	£
80 x 60	20044060	£22.45
90 x 65	20044046	£24.95



ADJUSTABLE BEND		
Dimensions W x H mm	Code	£
80 x 60	20044059	£10.73
90 x 65	20044043	£11.45



KOOL BRACKET		
150kg c/w built in spirit level		
Description	Code	£
450mm Arm - 150kg	20015030	£25.00
560mm Arm - 150kg	20015031	£28.75

CONDENSATE TRAYS - PLASTIC

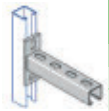
Size	Code	£
940x420x30	20015035	£66.87
790x390x30	20015036	£52.25



TYPE 2 BRACKETS		
Description	Code	£
CBR2 S Type 2 - 60kg	20030103	£45.30
CBR2 M Type 2 - 90kg	20030104	£54.33
CBR2 L Type 2 - 140kg	20030105	£60.03
BBJ Type 2 - 60kg	20030008	£42.69
BBJ Type 2 - 90kg	20030004	£48.75
BBJ Type 2 - 140kg	20030005	£59.01



CONDENSATE TRAYS		
Size	Code	£
800 x 400 Steel	20020125	£103.53
1100 x 400 Steel	20020126	£105.78
Plastic Small	20020120	£62.19
Plastic Large	20020121	£70.08
Steel Small	20030006	£122.82
Steel Large	20030007	£133.98



CANTILEVER ARMS		
Size mm	Code	£
150mm x 41mm	20060060	£10.58
300mm x 41mm	20060061	£12.71
450mm x 41mm	20060062	£15.74
600mm x 41mm	20060063	£19.82
750mm x 41mm	20060064	£24.30



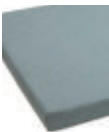
MOUNTING BLOCKS		
Description	Code	£
450mm	20044047	£5.58
1000mm	20044048	£11.03



UNIT HOIST		
Suitable for use with Unistrut & BBJ type 2 Brackets		
Description	Code	£
Unit Hoist	80080010	£1,552.50



VIBRAMOUNT PADS			
Description	Dimensions (L x W x H)	Code	£
Vibra Mat Large	1000mm x 500mm x 30mm	20020017	£49.62
Vibra Mat Small	600mm x 150mm x 30mm	20020020	£17.10
Plain Tile	500mm x 500mm x 45mm	20020021	£20.67
AV Strip	1000mm x 75mm x 15mm	20020022	£12.45



ULTRALITE SLABS			
Description	Dimensions (L x W x H)	Code	£
Small	610mm x 610mm x 50mm	20030112	£22.98
Medium	910mm x 410mm x 50mm	20030113	£22.98
Large	1220mm x 610mm x 76mm	20030114	£44.78

KOOL CAGE			
Description	Dimensions H x W x D mm	Code	£
Small	750 x 1050 x 460	20015040	£328.50
Medium	1150 x 1150 x 650	20015041	£438.00
Large	1550 x 1150 x 650	20015042	£529.50
Extra Large	1800 x 1150 x 650	20015043	£750.00
Small Base Panel/Drip Tray		20015044	£109.65
Medium Base Panel/Drip Tray		20015045	£150.93
Large Base Panel/Drip Tray		20015046	£150.93
Small Front Panel		20015047	£141.00
Medium Front Panel		20015048	£176.85
Large Front Panel		20015049	£255.00
Small Base Panel		20015050	£63.75
Medium Base Panel		20015051	£80.40
Large Base Panel		20015052	£80.40



Refer to Kool Cage/Mitsubishi Electric sizing table on page 22

VRF CAGES

A range of flat packed self assembly modular guards for VRF/VRV units. Aluminium support arms, perforated steel panels, RAL7032 textured powder coating. Simply add modular extension kits for multiple outdoor unit installations.



VRF CAGES				
Model	Dimensions (H x D x W)	Code	£	
CG-VRF-BP Base Pack	2000mm x 1200mm x 1160mm	20020104	£1,560.39	
CG-VRF-EP6	2000mm x 1200mm x 580mm	20020105	£705.00	
CG-VRF-EP12	2000mm x 1200mm x 1160mm	20020106	£1,020.00	



MODULAR DIMENSIONS					
Overall Dimensions			Order Requirements		
Height (mm)	Depth (mm)	Width (mm)	CG-V-BP	CG-V-EP6	CG-V-EP12
2000	1200	1160	1	0	0
2000	1200	1740	1	1	0
2000	1200	2320	1	0	1
2000	1200	2900	1	1	1
2000	1200	3480	1	0	2
2000	1200	4060	1	1	2
etc.....					

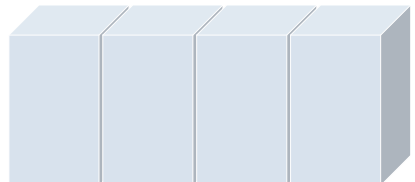
Base Pack + EP6 Extender



Base Pack + EP12 Extender



Base Pack + 3 x EP12 Extenders



Installation Tip: Avoid drips on ceiling tiles, ensure pumps are fitted level.

KOOLTANK With Float and Safety Switch Sensors

Model	Sensor	Tank Litre	Dimensions H x W x D mm	Max Discharge m	Max Suction m	Max Flow l/hr	Noise at 1m dB(A)	Safety Switch	Discharge Conn Size	Code	£
KOOLTANK Standard	Float & Safety Switch 2	2	171 x 279 x 130	3.7	-	350 l/hr	45	Yes	3/8" & 1/4"	20015003	£58.75
KOOLTANK HD	Float & Safety Switch 2	2	171 x 279 x 130	5.4	-	500 l/hr	45	Yes	3/8" & 1/4"	20015002	£68.00



SAUERMANN Run and Safety Switch

Model	Sensor	Tank Litre	Dimensions H x W x D mm	Max Discharge m	Max Suction m	Max Flow l/hr	Noise at 1m dB(A)	Safety Switch	Discharge Conn Size	Code	£
EE 1650	Float & Safety Switch	0.5	88 x 160 x 85	13	-	30	52	Yes	1/4"	20012007	£155.00
SI 1800	Float & Safety Switch	2	171 x 279 x 130	5.4	-	500	45	Yes	3/8" & 1/4"	20012019	£62.50
SI 1805	Float & Safety Switch	0.5	122 x 195 x 130	5.4	-	500	47	Yes	3/8" & 1/4"	20012005	£66.25
SI 1820	Float & Safety Switch	2	170 x 195 x 130	5.4	-	500	47	Yes	3/8" & 1/4"	20012006	£66.25
SI 1830	Float & Safety Switch	1	105 x 230 x 105	4	-	400	38	Yes	3/8" & 1/4"	20012026	£87.50
SI 1931	Stainless Steel Dairy Pump	6.5	80 x 600 x 240	24.6	-	700	n/a	Yes	12mm	20012024	£437.50



ASPEN With Run and Alarm Floats Sensors

Model	Sensor	Tank Litre	Dimensions H x W x D mm	Max Discharge m	Max Suction m	Max Flow l/hr	Noise at 1m dB(A)	Safety Switch	Discharge Conn Size	Code	£
Hi-Lift 1	Run & Alarm Floats	1	130 x 235 x 140	12	-	11	51	Yes	1/4"	20010005	£136.70
Hi-Lift 2	Run & Alarm Floats	2	170 x 235 x 140	12	-	11	51	Yes	1/4"	20010006	£144.33
Hi-Flow 0.5	Run & Alarm Floats	0.5	125 x 205 x 120	3.5	-	180	37	Yes	1/4" x 3/8"	20010028	£65.03
Hi-Flow 1	Run & Alarm Floats	1	130 x 235 x 140	4.6	-	288	60	Yes	1/4 & 3/8"	20010003	£65.03
Hi-Flow 2	Run & Alarm Floats	2	170 x 235 x 140	4.6	-	288	60	Yes	1/4 & 3/8"	20010004	£65.03
Heavy Duty 6	Run & Alarm Floats	4	205 x 300 x 150	6	-	900	60	Yes	3/8"	20010016	£125.28
Heavy Duty 10	Run & Alarm Floats	4	265 x 300 x 150	10	-	1250	64	Yes	3/8"	20010017	£223.33
ERRP Low Profile*	Run & Alarm Floats		75 x 530 x 240	21	-	190	60	Yes	3/8"	20010024	£364.35
ERRP*	Run & Alarm Floats	11	100 x 585 x 400	35	-	225		Yes	3/8"	20010033	£364.35
Mini Tank	Run & Alarm Floats	0.24	70 x 180 x 90	10	-	24	34	Yes	1/4"	20010032	£75.28

*Top entry standard, side entry option available.



LITTLE GIANT With Float and Safety Switch Sensors

Model	Sensor	Tank Litre	Dimensions H x W x D mm	Max Discharge m	Max Suction m	Max Flow l/hr	Noise at 1m dB(A)	Safety Switch	Discharge Conn Size	Code	£
VCMA 10	Float & Safety Switch	1.9	178 x 288 x 127	3.5	-	266	58	No	3/8"	20011009	£70.88
VCC 20 ULS	Float & Safety Switch	1.1	127 x 300 x 125	4.3	-	294	58	Yes	3/8"	20011002	£101.53
VCM 20 ULS	Float & Safety Switch	1.9	178 x 250 x 127	4.3	-	294	58	Yes	3/8"	20011003	£101.38
VCL 24 ULS	Float & Safety Switch	3.8	263 x 305 x 150	5.9	-	900	58	Yes	3/8"	20011005	£155.63
VCL 45 S	Float & Safety Switch	3.8	267 x 305 x 150	10.5	-	1560	58	Yes	3/8"	20011006	£319.00
DGP 30A - Dairy	Float & Safety Switch	9	100 x 610 x 270	23	-	700	-	No	12mm	20011030	£567.70
VCMX-20S	Little Giant NXT GEN tank pump		165 x 260 x 122	4.8	N/A	284		48V /5A	1/4" /3/8" nrv	20011015	£134.20
1ABS	Submersible Pump		109 x 155 x 161	10	N/A	780	N/A	N/A	1/4"	20011016	£159.55

Installation Tip: Avoid siphoning, ensure discharge pipes from the pump terminates and finds natural air above the level of the Air Conditioning system drip tray.

KOOL-LINE

Model	Sensor	Dimensions H x W x D mm	Max Discharge m	Max Suction m	Max Flow l/hr	Noise at 1m dB(A)	Safety Switch	Discharge Conn Size	Code	£
KOOL-LINE	Float	55 x 58 x 42	6	1.5	10	30	Yes	1/4"	20015001	£54.38

SI2750

SI3000 Series

SI1082

Delta Pack

Mini Tank



SAUERMANN

Model	Sensor	Dimensions H x W x D mm	Max Discharge m	Max Suction m	Max Flow l/hr	Noise at 1m dB(A)	Safety Switch	Discharge Conn Size	Code	£
SI2750 Mini Pump	Electronic Float Sensor unit	61 x 76 x 38 52 x 38 x 55	6	2	10	32	Yes	1/4"	20012001	£68.75
SI3080 Mini Pump	Float	59 x 66 x 44	6	1	8	28	Yes	1/4"	20012012	£87.50
SI3100 Mini Pump	Float	59 x 66 x 44	6	2	10	30	Yes	1/4"	20012013	£91.25
SI3200 Mini Pump	Float	59 x 66 x 44	6	2	20	34	Yes	1/4"	20012014	£99.38
SI2958	Sensor for 3000 series	36 x 38 x 55							20012067	£43.25
SI1082 Mini Pump	Float	77 x 44 x 66	6	-	8	28	Yes	1/4"	20012015	£88.75
Delta Pack	Electronic Float	Fitted in Trunking	6	1	8	28	Yes	1/4"	20012017	£118.75
Delta Plus	Electronic Sensor	Fitted in Trunking	6	2	20	34	Yes	1/4"	20012025	£132.50

Mini Orange

Maxi Lime

Aqua

Mini Blanc



ASPEN

Model	Sensor	Dimensions H x W x D mm	Max Discharge m	Max Suction m	Max Flow l/hr	Noise at 1m dB(A)	Safety Switch	Discharge Conn Size	Code	£
Mini-Orange	Electronic Sensor	51 x 107 x 39	10	2	10	23	Yes	1/4"	20010010	£79.05
Maxi-Orange	Electronic Sensor	66 x 122 x 44	20	2	26	35	Yes	1/4"	20010047	£92.23
Mini-Lime	Electronic Sensor	Slimline Trunking	10	2	11	23	Yes	1/4"	20010012	£121.50
Mini-Lime	Electronic Sensor	Inoac Trunking	10	2	11	23	Yes	1/4"	20010014	£121.50
Mini-Lime White	Electronic Sensor	Slimline Trunking	10	2	11	23	Yes	1/4"	20010026	£121.50
Mini-Lime OEM	Electronic Sensor	79 x 99 x 44	10	n/a	11	23	Yes	1/4"	20010013	£82.40
Maxi-Lime	Electronic Sensor	Inoac Trunking	15	2	34	35	Yes	1/4"	20010019	£141.38
Mini Aqua	Electronic Sensor	28 x 165 x28	8	1	10	23	Yes	1/4"	20010021	£79.00
Mini Blanc Deluxe	Electronic Sensor	115 x 182 x 55	10	n/a	12	21	Yes	1/4"	20010048	£79.05
Mini Orange Silent+	Electronic	50 x 107 x 39	10	2	10	21	Yes	1/4"	20010080	£86.93
Mini Lime Silent+	Electronic	Slimline Trunking	10	2	11	21	Yes	1/4"	20010081	£133.65
Mini Orange Replacement Pack (Zoff)	Electronic	50 x 107 x 39	10	2	10	21	Yes	1/4"	20010031	£142.25

EC-400 Mini

EC OP-K



LITTLE GIANT

Model	Sensor	Dimensions H x W x D mm	Max Discharge m	Max Suction m	Max Flow l/hr	Noise at 1m dB(A)	Safety Switch	Discharge Conn Size	Code	£
EC-400 Mini	Remote Float Reservoir	37 x 110 x 35	12	1	14			1/4"	20011007	£119.30
EC-OP	Float	65 x 57 x 140	9	-	14		Yes	1/4" & 3/8"	20011010	£89.88
EC-OP-K	Float	89 x 81 x 210	9	-	14		Yes	1/4" & 3/8"	20011011	£107.50
Floatwatch	Electronic Sensor	Fitted in Trunking	10	1	10	21	Yes	1/4"	20011017	£113.10

Installation Tip: Ensure that the suction line connection is 100% air tight

Standard



Universal



MK4



Mechanical



ASPEN

Model	Sensor	Dimensions H x W x D mm	Max Discharge m	Max Suction m	Max Flow l/hr	Noise at 1m dB(A)	Safety Switch	Discharge Conn Size	Code	£
Standard	Comp Signal	115 x 77 x 135	12	3	6.25	47	No	1/4"	20010001	£119.75
Universal	Temp Diff	115 x 77 x 135	12	3	6.25	47	No	1/4"	20010002	£150.83
MK4	Water activated	142 x 83 x 175	12	3	6.25	47	No	1/4"	20010007	£171.88
Mechanical	Mech Float	142 x 83 x 175	12	3	6.25	47	Yes	1/4"	20010009	£128.88
Compressor Sensor	Comp activated	143 x 83 x 175	12	3	6.25	47	No	1/4"	20010027	£119.75

PE5000



PE5100



PE5200



SAUERMANN

Model	Sensor	Dimensions H x W x D mm	Max Discharge m	Max Suction m	Max Flow l/hr	Noise at 1m dB(A)	Safety Switch	Discharge Conn Size	Code	£
PE5000 Standard	Comp Signal	91x109x102	12	2	6	30	No	1/4"	20012002	£115.00
PE5100 Universal	Temp Diff	91x109x102	12	2	6	30	No	1/4"	20012003	£144.38
PE5200 Float	Float	91x109x102	12	2	6	30	Yes	1/4"	20012004	£138.75

ASPEN CONDENSATE PUMP ACCESSORIES

Model	Description	Size	Quantity	Code	£
FP1282	Peristaltic Spare Tube Kit			20010040	£9.98
2457	Aspen Silicon Grease			20010041	£16.00
1159	Peristaltic Pump Front Housing			20010043	£14.65
FP2628	1/4" Non-Return Valve		bag of 5	20010044	£13.50
SA1115	Tank Pump Wall Bracket			20010045	£19.30
FP2632	Reducing Connectors 1/4" - 3/8"		bag of 5	20010049	£5.93
FP2626	Drain Tray Connector		bag of 5	20010053	£14.85
FP2588	Inline Filter	1/4"	bag of 5	20010054	£26.70
FP2590	Inline Filter	3/8"	bag of 5	20010055	£26.70
FP2859	Inline Filter	16mm	bag of 5	20010056	£26.70
FP2633	Reducing Connectors	16mm	bag of 20	20010057	£51.05
FP2634	Reducing Connectors	18mm	bag of 20	20010058	£51.05
FP2635	Reducing Connectors	20mm	bag of 20	20010059	£51.05
FP2622	Straight Connectors	1/4"	bag of 5	20010060	£8.13
FP2624	Straight Connectors	3/8"	bag of 5	20010061	£10.68
FP2630	3/8" Non-Return Valve		bag of 5	20010062	£15.38
FP1553	Peristaltic Pump Wall Bracket			20010063	£14.65
SA2459	Mini Pump Float			20010064	£1.70
2472	Mini Lime Inlet Hose			20010065	£5.35
SA1382	Aspen Rotor Assembly - Peristaltic			20010066	£9.50

SAUERMANN CONDENSATE PUMP ACCESSORIES

Model	Description	Code	£
PE5002	Replacement Peristaltic Tube	20012010	£11.25
ACC 00106	Blond Rubber for SI 3080/3100/3200/2750/1730	20012041	£6.88
ACC 00110	Installation kit comprising 1 x ACC00425/00430/00440	20012042	£10.63
ACC 00201	Adaptor kit 17mm Dia / 22mm Dia	20012043	£7.88
ACC 00202	Adaptor kit 17mm Dia / 32mm Dia	20012044	£12.13
ACC 00203	Restriction 17mm Dia / 32mmDia for flow reduction	20012045	£12.13
ACC 00204	6mm Straight Connectors & 5 x 6mm elbows (Pack of 5)	20012046	£15.75
ACC 00205	6mm Condensate self sealing evacuation connector (Pack of 6)	20012047	£30.00
ACC 00208	90° Clip on cover, 15mm x 15mm	20012048	£3.63
ACC 00209	Flexible coupling 15mm x 15mm allows complete emptying of condensate tray	20012049	£3.63
ACC 00210	90° Clip on cover, 17mm x 15mm	20012050	£3.63
ACC 00211	6MM T Connectors (pack of 5)	20012051	£16.50
ACC 00401	Priming bottle allowing pump testing without dismantling	20012056	£11.88
ACC 00501	Double sided adhesive tape (Pack of 10)	20012057	£14.85
ACC 00703	3m extension cable for SI 3080/3100/3200/2750/1730	20012058	£20.50
ACC 00801	10mm non return valve for SI 1805/1820	20012059	£9.88
ACC 00805	Check valves for 6mm tube (Pack of 5)	20012060	£26.75
ACC 0017010	In-line filter for SI 1730	20012061	£6.50
ACC 00425	25mm - 21.5mm cassette drain adaptor - (Pack 3)	20012062	£10.50
ACC 00430	32mm - 21.5mm cassette drain adaptor - (Pack 3)	20012063	£12.38
ACC 00440	40mm - 21.5mm cassette drain adaptor - (Pack 2)	20012064	£8.50
ACC 00705	5m extension cable for SI 3080/3100/3200/2750/1730	20012065	£22.25
SINJ 18004-5	1/4" - 3/8" reducer (Pack of 5)	20012066	£15.00
SI 2958	Sensor Unit for SI 3080/3100/3200	20012067	£43.25
ACC 00206	10mm Condensate self sealing evacuation connector (Pack of 6)	20012068	£31.25

ACC 00201



ACC 00202



ACC 00204



ACC 00205



ACC 00208



ACC 00209



ACC 00425



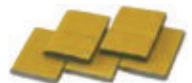
ACC 00430



ACC 00440



ACC 00501



ACC 00801



ACC 00805



ACC 17101



KOOL HOSE

Description	Code	£
1/4" x 30m Clear Reinforced PVC tube	20015020	£14.40
3/8" x 30m Clear Reinforced PVC tube	20015021	£19.23
1/4" x 30m Black Reinforced PVC tube	20015022	£14.10
3/8" x 30m Black Reinforced PVC Tube	20015023	£18.81

3M PIPE



Size mm	Code	£
21.5 mm - 3/4"	20040300	£3.70
32 mm - 1.1/4"	20040301	£11.84
40 mm - 1.1/2"	20040302	£14.31

90 DEG ELBOW



Size mm	Code	£
21.5 mm - 3/4"	20040305	£1.57
32 mm - 1.1/4"	20040306	£2.10
40 mm - 1.1/2"	20040307	£2.10

Packed in bags of 10 - Priced each

TEE



Size mm	Code	£
21.5 mm - 3/4"	20040310	£1.65
32 mm - 1.1/4"	20040311	£2.32
40 mm - 1.1/2"	20040312	£2.35

Packed in bags of 10 - Priced each

REDUCERS



Size mm	Code	£
32 mm - 3/4"	20040320	£1.63
40 mm - 32mm	20040321	£2.23

Packed in bags of 10 - Priced each

PIPE CLIPS



Size mm	Code	£
21.5 mm - 3/4"	20040315	£0.54
32 mm - 1.1/4"	20040316	£0.64
40 mm - 1.1/2"	20040317	£0.68

Packed in bags of 10 - Priced each

STRAIGHT CONNECTORS



Size mm	Code	£
21.5 mm - 3/4"	20040330	£1.62
32 mm - 1.1/4"	20040331	£1.96
40 mm - 1.1/2"	20040332	£2.10

Packed in bags of 10 - Priced each

45 DEG ELBOW



Size mm	Code	£
21.5 mm - 3/4"	20040335	£1.71
32 mm - 1.1/4"	20040336	£2.10
40 mm - 1.1/2"	20040337	£2.10

Packed in bags of 10 - Priced each

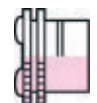
TANK CONNECTOR



Size mm	Code	£
21.5 mm - 3/4"	20040340	£1.59
32 mm - 1.1/4"	20040341	£2.63
40 mm - 1.1/2"	20040342	£2.63

Packed in bags of 10 - Priced each

ACCESS PLUG



Size mm	Code	£
32 mm - 1.1/4"	20040345	£2.63
40 mm - 1.1/2"	20040346	£2.64

Packed in bags of 10 - Priced each

110MM STRAP BOSS

(Requires all 3 parts)



Description	Code	£
110mm Strap Boss	20040325	£7.23
40mm Rubber Boss Adaptor	20040326	£5.29
40mm - 21.5mm Rubber Reducer	20040327	£1.59

For 21.5mm condensate drain lines

TRAPS & ACCESSORIES

Size	Code	£
Bottle Trap - 32mm - 1.1/4"	20040370	£6.82
Bottle Trap - 40mm - 1.1/2"	20040371	£7.97
Hepvo Trap - 32mm - 1.1/4"	20040372	£49.28
Hepvo Trap - 40mm - 1.1/2"	20040373	£49.28
32mm 90 deg knuckle	20040374	£17.10
40mm 90 deg knuckle	20040375	£13.32
32mm Running Adaptor	20040376	£12.58
40mm Running Adaptor	20040377	£12.58

90 deg knuckle enables Hepvo Trap to be fitted horizontally and connects plastic pipe to Trap.

Running adaptor connects plastic pipe to Hepvo Trap.



Bottle Trap

Hepvo Trap

90 deg Knuckle

Running Adaptor



ACCESSORIES

Description	Code	£
Solvent Cement 125ml	20040360	£11.94
Solvent Cement 250ml	20040361	£18.20
Cleaning Fluid 250ml	20040362	£13.00
Aerosol Lubricant 400ml	20040363	£25.70
Silicone Grease 100gm	20040364	£15.46

Fluctuations of base metal prices on the LME may mean our prices have changed please check current pricing prior to ordering

CABLE



XL PE / PVC / SWA ARMoured CABLE BLACK ELECTRICAL MAINS FOR OUTDOOR UNIT

Description	Code	£ per m	LSF Code	£ per m
1.5mm ² 3 core	20061120	£2.95	20061320	£3.55
1.5mm ² 4 core	20061121	£3.60	20061321	£4.05
1.5mm ² 5 core	20061122	£4.90	20061322	£5.30
1.5mm ² 7 core	20061123	£6.20	20061323	£7.60
2.5mm ² 3 core	20061125	£4.15	20061324	£4.65
2.5mm ² 4 core	20061126	£5.15	20061325	£5.70
2.5mm ² 5 core	20061127	£6.85	20061326	£7.40
2.5mm ² 7 core	20061128	£9.05	20061327	£9.75
4mm ² 3 core	20061130	£5.85	20061328	£6.30
4mm ² 4 core	20061131	£7.25	20061329	£7.85



SY NR BRAIDED SHEATH CABLE INTERCONNECTING CABLE FOR MITSUBISHI ELECTRIC M&P SYSTEMS

Description	Code	£ per m
1.5mm ² 3 core	20061135	£2.65
1.5mm ² 4 core	20061136	£3.30
1.5mm ² 5 core	20061137	£4.25
1.5mm ² 7 core	20061138	£5.70
2.5mm ² 3 core	20061140	£4.05
2.5mm ² 4 core	20061141	£5.25
2.5mm ² 5 core	20061142	£6.70
2.5mm ² 7 core	20061143	£9.20
4mm ² 3 core	20061145	£6.50
4mm ² 4 core	20061146	£8.25
4mm ² 5 core	20061147	£10.50



NY Y - TUFF CABLE / BLACK IMPACT RESISTANT INTERCONNECTING CABLE FOR MITSUBISHI ELECTRIC M&P SYSTEMS

Description	Code	£ per m
1.5mm ² 3 core	20061150	£2.15
1.5mm ² 4 core	20061151	£2.75
1.5mm ² 5 core	20061152	£3.55
1.5mm ² 7 core	20061153	£7.50
2.5mm ² 3 core	20061155	£3.30
2.5mm ² 4 core	20061156	£4.25
2.5mm ² 5 core	20061157	£5.45
2.5mm ² 7 core	20061158	£9.25
4mm ² 3 core	20061160	£5.20
4mm ² 4 core	20061161	£10.00
4mm ² 5 core	20061162	£9.50

CABLE



LI YCY SCREENED MULTICORE

Description	Code	£ per m
0.75mm ² 2 core*	20061165	£1.35
0.75mm ² 3 core	20061166	£1.75
0.75mm ² 4 core	20061167	£2.25
0.75mm ² 5 core	20061168	£2.90
0.75mm ² 7 core	20061169	£3.25
1.5mm ² 2 core*	20061175	£2.05
1.5mm ² 3 core	20061176	£2.85
1.5mm ² 4 core**	20061177	£3.60
1.5mm ² 5 core	20061178	£4.85
1.5mm ² 7 core	20061179	£5.85
2.5mm ² 4 core	20061187	£5.60

* M-net cable for VRF communications cable

** Interconnecting cable for 3 phase P series units

YY NON SCREENED MULTICORE INTERCONNECTING FOR M&P SYSTEMS

Description	Code	£ per m
0.75mm ² 2 core	20061200	£0.80
0.75mm ² 3 core	20061201	£1.10
0.75mm ² 4 core	20061202	£1.45
0.75mm ² 5 core	20061203	£1.75
0.75mm ² 7 core	20061204	£2.55
1.5mm ² 2 core	20061210	£1.40
1.5mm ² 3 core	20061211	£1.90
1.5mm ² 4 core	20061212	£2.50
1.5mm ² 5 core	20061213	£3.25
1.5mm ² 7 core	20061214	£4.55
2.5mm ² 4 core	20061222	£4.15
2.5mm ² 5 core	20061223	£5.25

All cable sold in 100 metre rolls, priced per metre.

Low Smoke Cable also available please ask your local Kooltech branch.



AFUMEX LSX™

LOW SMOKE ZERO HALOGEN SCREENED WIRING CABLES BS8436

NEW

Description	Code	£ per m
1.5mm x 2 Core + E LSX	20061349	£3.55
1.5mm x 3 Core + E LSX	20061350	£4.45
2.5mm x 2 Core + E LSX	20061351	£4.90
2.5mm x 3 Core + E LSX	20061352	£6.60
4mm x 2 Core + E LSX	20061353	£7.40
4mm x 3 Core + E LSX	20061354	£9.15

Lightweight and compact in design, quick to install and easily stripped, significantly reducing the first and second fix termination times when compared with SWA cable (Steel Wired Armoured)

- BASEC approved for the full range of BS8436 (1mm² to 2.5mm²)
- Suitable for use in thin walls and partitions as per clause 522.6 of the 17th Edition IEE Wiring Regulations (1mm² to 2.5mm²)
- Independently assessed b ERA for nail penetration tests (1mm² to 2.5mm²)
- Full 360° metal screen aids EMC compliance
- Low smoke emissions to BS EN61034-2
- Acidic gas emissions to BS EN 50267-2-1 (less than 0.5% acid gas)
- Reduced flame propagation to BS EN 50266-2-4

FLEX

MAINS CABLE FOR INDOOR UNITS AND CONDENSATE PUMPS

Description	Code	£ per m
0.75mm ² 2 core - White	20061230	£0.75
0.75mm ² 3 core - White	20061231	£0.95
0.75mm ² 4 core - White	20061232	£1.25
1.5mm ² 3 core - White	20061236	£1.65
1.5mm ² 4 core - White	20061237	£2.30
2.5mm ² 3 core - White	20061241	£2.90
2.5mm ² 4 core - White	20061242	£3.80
0.75mm ² 2 core - Black	20061250	£0.75
0.75mm ² 3 core - Black	20061251	£0.95
0.75mm ² 4 core - Black	20061252	£1.25
1.5mm ² 2 core - Black	20061255	£1.35
1.5mm ² 3 core - Black	20061256	£1.65
1.5mm ² 4 core - Black	20061257	£2.30
2.5mm ² 3 core - Black	20061261	£2.90
2.5mm ² 4 core - Black	20061262	£3.80

FLAT TWIN + EARTH – GREY RDH

1.5mm T + E	20061270	£2.30
2.5mm T + E	20061271	£2.85
1.5mm 3 core + earth	20061272	£1.70

SINGLE EARTH WIRE

2.5mm	20061280	£0.75
4mm	20061281	£1.20

FIRE RESISTANT CABLE

1.5mm ² 2 core & earth	20061290	£2.70
1.5mm ² 3 core & earth	20061291	£3.60
1.5mm ² 4 core & earth	20061292	£4.65
2.5mm ² 2 core & earth	20061295	£3.90
2.5mm ² 3 core & earth	20061296	£5.25
2.5mm ² 4 core & earth	20061297	£6.75
4mm ² 2 core & earth	20061300	£6.75

Flex and Fire Resistant cable supplied in 100M rolls - priced per metre.



TERMINALS

Bagged 100

Description	Code	£
4.3mm Ring Red	20061560	£14.30
4.3mm Ring Blue	20061561	£14.10
5.3mm Ring Red	20061563	£15.10
5.3mm Ring Blue	20061564	£14.10
5.3mm Ring Yellow	20061565	£14.10
6.5mm Ring Red	20061566	£15.10
6.5mm Ring Yellow	20061568	£14.10
8.5mm Ring Blue	20061570	£20.15
8.5mm Ring Yellow	20061571	£23.15
6.3mm Push On Red	20061580	£24.15
6.3mm Push On Blue	20061581	£31.30



NYLON GLANDS

Description	Code	£
NYLON GLANDS WITH LOCKNUT - 10 OFF		
20 small for cable 7-10.5mm white	20061032	£11.75
20 large for cable 8-13mm white	20061033	£16.90
20 small for cable 7-10.5mm black	20061034	£11.75
20 large for cable 8-13mm black	20061035	£16.90
25 small for cable 8-13mm white	20061036	£10.00
25 large for cable 12-18mm white	20061037	£17.00
25 small for cable 8-13mm black	20061038	£10.00
25 large for cable 12-18mm black	20061039	£17.00



BRASS GLANDS

Description	Code	£
Brass Gland for SY 1.5mm - 2.5mm 3/4 core	20061110	£15.00
Brass Gland for SWA or SY 2.5mm 5 core	20061111	£2.00

Packed 10 - Priced each



CLEATS

Description	Code	£
SWA Cleats - Packed 50 off		
12.7mm diameter	20061030	£5.00
15.2mm diameter	20061031	£10.00

ACCESSORIES

Description	Code	£
Electrical Connectors - Packed 10 off		
5 Amp	20061020	£2.90
15 Amp	20061021	£4.50
30 Amp	20061022	£6.40
Earth Bonding Clamps - Packed 5 off		
32mm Max Pipe Size	20061025	£6.15
Insulation Tape		
Various Colours	20061040	£3.25



ISOLATORS

Description	Code	£
Plastic Waterproof with Lock-Off. Outdoor use IP65.		
20 Amp 4 Pole	20061500	£52.40
32 Amp 4 Pole	20061501	£70.70
63 Amp 4 pole	20061500	£128.05
Metal Clad Isolators. Indoor use.		
20 Amp 2 Pole	20061004	£19.00
20 Amp neon 2 Pole	20061005	£22.90
13 Amp fused spur neon 2 Pole	20061006	£26.65
13 Amp switched fused spur	20061530	£19.20
White Plastic Isolators. Indoor use		
13 Amp switched fused spur	20061540	£9.65
13 Amp switched fused spur with neon	20061541	£16.50
20 Amp 2 Pole	20061007	£9.90
20 Amp neon 2 Pole	20061008	£13.90
6 Amp 3 Pole	20061012	£8.80
25mm Pattress for above	20061009	£1.55
32mm Pattress 20mm Knockout	20061010	£2.30
45mm Pattress Box	20061542	£4.15
Junction Boxes IP22 Seal Range 2 - 16mm		
88 x 88 x 53 - 5 pole	20061520	£9.45
98 x 98 x 61 - 10 pole	20061521	£55.05



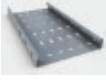
ELECTRICAL TOOLS

Description	Code	£
Crimping Tool	20061800	£39.95
Junior Hacksaw	20061801	£10.75
Wire Strippers	20061802	£85.50
Wire Cutter	20061803	£140.00
Pliers		
Pliers 180mm Combination	20061804	£101.55
Pliers 200mm Combination	20061805	£104.35
Screw Drivers		
8 Piece Screwdriver Set	20061809	£170.65
Screwdriver 140mm Neon Mains Tester	20061808	£10.80

Fluctuations of base metal prices on the LME may mean our prices have changed please check current pricing prior to ordering

CABLE TRAY

A range of cable and pipe support trays and accessories



UNIKLIP CABLE TRAY 3 Metre Lengths				
Medium Duty				
Size mm	Part	Code	£	
50	KLMR50T	20060038	£18.80	
75	KLMR75T	20060039	£22.10	
100	KLMR100T	20060040	£24.45	
150	KLMR150T	20060041	£32.05	
225	KLMR225T	20060042	£44.80	
300	KLMR300T	20060043	£67.35	
450	KLMR450T	20060044	£98.30	
600	KLMR600T	20060037	£175.45	



FISH PLATE COUPLER				
Size mm	Part	Code	£	
50	KLMRFFC50	20060430	£7.80	
100	KLMRFFC100	20060431	£9.45	
150	KLMRFFC150	20060432	£10.55	
225	KLMRFFC225	20060433	£11.60	
300	KLMRFFC300	20060434	£14.55	
450	KLMRFFC450	20060435	£28.35	
600	KLMRFFC600	20060436	£35.35	



UNIKLIP CLIPS			
Type	Code	£	
KLIPBOX - BOX200	20060286	£70.00	
KLIPPKT - PKT40	20060287	£20.00	



FISH PLATE				
Size mm	Part	Code	£	
225	KLMRFFC225	20060490	£3.54	
300	KLMRFFC300	20060491	£4.02	
450	KLMRFFC450	20060492	£7.47	
600	KLMRFFC600	20060493	£14.07	



STRAIGHT COUPLER				
Sold in pairs				
Length mm	Part	Code	£	
225	KLMR/SC	20060285	£4.85	



VERTICAL ADJUSTABLE COUPLER				
Sold in pairs				
Type	Code	£		
KLVAC	20060278	£14.64		



CRANKED COUPLER				
Sold in pairs				
Type	Code	£		
KLMR/CC	20060289	£2.94		



FLAT BEND								
Medium Duty 90 degree					Medium Duty 45 degree			
Size mm	Part	Code	£	Size mm	Part	Code	£	
50	KLMR50FB	20060170	£32.65	50	KLMR50FB45	20060180	£21.45	
75	KLMR75FB	20060171	£33.60	75	KLMR75FB45	20060181	£21.80	
100	KLMR100FB	20060172	£35.00	100	KLMR100FB45	20060182	£22.40	
150	KLMR150FB	20060173	£39.20	150	KLMR150FB45	20060183	£27.40	
225	KLMR225FB	20060174	£49.10	225	KLMR225FB45	20060184	£32.50	
300	KLMR300FB	20060175	£79.00	300	KLMR300FB45	20060185	£55.50	
450	KLMR450FB	20060176	£98.20	450	KLMR450FB45	20060186	£98.20	
600	KLMR600FB	20060177	£158.30	600	KLMR600FB45	20060187	£158.30	



CABLE TRAY HANGARS (KLIP Style)				
Length mm	Part	Code	£	
100	KLOH4	20060356	£12.75	
150	KLOH6	20060359	£14.90	
225	KLOH9	20060360	£17.30	
300	KLOH12	20060361	£24.55	



CANTILEVER ARMS (KLIP Style)				
Length mm	Part	Code	£	
100	KLCARM100	20060482	£10.70	
150	KLCARM150	20060483	£14.15	
225	KLCARM225	20060484	£17.05	
300	KLCARM300	20060485	£20.09	
450	KLCARM450	20060486	£26.35	


Fluctuations of base metal prices on the LME may mean our prices have changed please check current pricing prior to ordering

CABLE TRAY

A range of cable and pipe support trays and accessories




FLAT EQUAL TEE			
Medium Duty			
Size mm	Part	Code	£
50	KLMR50ET	20060190	£39.80
75	KLMR75ET	20060191	£42.05
100	KLMR100ET	20060192	£43.00
150	KLMR150ET	20060193	£55.35
225	KLMR225ET	20060194	£62.80
300	KLMR300ET	20060195	£104.60
450	KLMR450ET	20060196	£119.35
600	KLMR600ET	20060197	£196.30




FLAT EQUAL CROSS			
Medium Duty			
Size mm	Part	Code	£
50	KLMR50FW	20060200	£47.45
75	KLMR75FW	20060201	£49.10
100	KLMR100FW	20060202	£52.35
150	KLMR150FW	20060203	£72.60
225	KLMR225FW	20060204	£86.05
300	KLMR300FW	20060205	£164.65
450	KLMR450FW	20060206	£182.55
600	KLMR600FW	20060207	£209.90



ADJUSTABLE RISER			
Medium Duty			
Size mm	Part	Code	£
50	KLMR50VR	20060210	£23.15
75	KLMR75VR	20060211	£23.80
100	KLMR100VR	20060212	£24.55
150	KLMR150VR	20060213	£27.95
225	KLMR225VR	20060214	£33.90
300	KLMR300VR	20060215	£40.65
450	KLMR450VR	20060216	£84.40
600	KLMR600VR	20060217	£91.26



STAND OFF BRACKET			
Size mm	Part	Code	£
50	KLSOB2	20060440	£5.15
75	KLSOB3	20060441	£5.60
100	KLSOB4	20060442	£6.45
150	KLSOB6	20060443	£7.00
225	KLSOB9	20060444	£8.85
300	KLSOB12	20060445	£12.45
450	KLSOB18	20060446	£12.45
600	KLSOB24	20060447	£31.10



ADJUSTABLE TRAY EXTENSIONS				
Size mm	Length mm	Part	Code	£
50	300 - 450	KLMRATE50/300/450	20060450	£22.65
50	500 - 800	KLMRATE50/500/800	20060451	£24.85
50	750 - 1200	KLMRATE50/750/1200	20060452	£32.30
75	300 - 450	KLMRATE75/300/450	20060453	£24.40
75	500 - 800	KLMRATE75/500/800	20060454	£29.30
75	750 - 1200	KLMRATE75/750/1200	20060455	£43.05
100	500 - 800	KLMRATE100/500/800	20060456	£32.55
100	750 - 1200	KLMRATE100/750/1200	20060457	£49.90
150	300 - 450	KLMRATE150/300/450	20060458	£27.80
150	500 - 800	KLMRATE150/500/800	20060459	£34.10
150	750 - 1200	KLMRATE150/750/1200	20060460	£51.65
225	300 - 450	KLMRATE225/300/450	20060461	£32.85
225	500 - 800	KLMRATE225/500/800	20060462	£44.85
225	750 - 1200	KLMRATE225/750/1200	20060463	£60.70
300	300 - 450	KLMRATE300/300/450	20060464	£36.70
300	500 - 800	KLMRATE300/500/800	20060465	£46.10
300	750 - 1200	KLMRATE300/750/1200	20060466	£67.70
450	300 - 450	KLMRATE450/300/450	20060467	£53.80
450	500 - 800	KLMRATE450/500/800	20060468	£79.90
450	750 - 1200	KLMRATE450/750/1200	20060469	£141.35
600	300 - 450	KLMRATE600/300/450	20060470	£96.75
600	500 - 800	KLMRATE600/500/800	20060471	£172.10
600	750 - 1200	KLMRATE600/750/1200	20060472	£179.95

Fluctuations of base metal prices on the LME may mean our prices have changed please check current pricing prior to ordering

CABLE TRAY

A range of cable and pipe support trays and accessories



CHANNEL - 3 METRE LENGTHS				
Medium				
Size mm	Gauge mm	Type	Code	£
41 x 41	2.5	Plain	20060050	£34.80
41 x 41	2.5	Slotted	20060051	£34.80
41 x 21	2.5	Plain	20060052	£28.20
41 x 21	2.5	Slotted	20060053	£28.20

END CAPS		
Type	Code	£
41mm Black	20060055	£0.39
21mm Black	20060056	£0.39
41mm White	20060057	£0.39
21mm White	20060058	£0.39

Packed 100 - Priced each



BASKET TRAY		
3 Metre Lengths		
Size mm	Code	£
30mm x 100mm	20060291	£29.00
30mm x 150mm	20060292	£31.25
30mm x 200mm	20060293	£39.20
30mm x 300mm	20060294	£51.25
54mm x 100mm	20060140	£31.45
54mm x 150mm	20060141	£34.00
54mm x 200mm	20060142	£41.05
54mm x 300mm	20060143	£53.95
100mm x 100mm	20060295	£36.90
100mm x 200mm	20060296	£64.25
100mm x 300mm	20060297	£81.65



THREADED ROD		
3 Metre Lengths		
Size mm	Code	£
M6	20060065	£3.60
M8	20060066	£5.15
M10	20060067	£7.45
M12	20060068	£12.60



CHANNEL NUTS				
Size mm	Channel Size	Type	Code	£
M6	All	Plain	20060070	£0.29
M8	All	Plain	20060071	£0.29
M10	All	Plain	20060072	£0.32
M12	All	Plain	20060073	£0.34
M6-L	41 x 41	Sprung	20060074	£0.33
M8-L	41 x 41	Sprung	20060075	£0.33
M10-L	41 x 41	Sprung	20060076	£0.36
M12-L	41 x 41	Sprung	20060077	£0.36
M6-S	41 x 21	Sprung	20060078	£0.32
M8-S	41 x 21	Sprung	20060079	£0.32
M10-S	41 x 21	Sprung	20060080	£0.34
M12-S	41 x 21	Sprung	20060081	£0.36

Packed 100 - Priced each



CHANNEL - 3 METRE LENGTHS				
Light				
Size mm	Gauge mm	Type	Code	£
41 x 41	1.5	Slotted	20060048	£29.75
41 x 21	1.5	Slotted	20060049	£20.35



CABLE TRAY HANGARS				
Size mm	Part	Code	£	
100 - 4"	K1 - 100 ECON	20060250	£12.75	
150 - 6"	K1 - 150 ECON	20060251	£14.90	
225 - 9"	K1 - 225 ECON	20060252	£17.30	
100 - 4"	K2 - 100	20060255	£12.75	
150 - 6"	K2 - 150	20060256	£14.90	
225 - 9"	K2 - 225	20060257	£17.30	
300 - 12"	K2 - 300	20060258	£24.55	



BASKET TRAY SELF SPLICING		
3 Metre Lengths		
Size mm	Code	£
54mm x 100mm	20060311	£29.95
54mm x 150mm	20060312	£32.40
54mm x 200mm	20060313	£39.10
54mm x 300mm	20060314	£51.40
100mm x 100mm	20060320	£45.65
100mm x 200mm	20060321	£70.60
100mm x 300mm	20060322	£82.30



CANTILEVER ARMS		
Size mm	Code	£
150mm x 41mm	20060060	£10.58
300mm x 41mm	20060061	£12.71
450mm x 41mm	20060062	£15.74
600mm x 41mm	20060063	£19.82
750mm x 41mm	20060064	£24.30



ROOFING BOLTS			
Size mm	Length mm	Code	£
M6	16	20060103	£0.05
M6	20	20060104	£0.10
M6	25	20060105	£0.09
M6	40	20060106	£0.12
M6	60	20060107	£0.10

Packed 100 - Priced each

Fluctuations of base metal prices on the LME may mean our prices have changed please check current pricing prior to ordering

CABLE TRAY

A range of cable and pipe support trays and accessories



SET PINS, NUTS & WASHERS

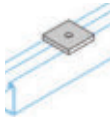
Size	Code	£
M8 x 25mm Set Pin	20060330	£0.15
M8 x 40mm Set Pin	20060331	£0.17
M10 x 25mm Set Pin	20060332	£0.21
M10 x 40mm Set Pin	20060333	£0.26
M6 - 25mm Washers	20060090	£0.06
M6 - 32mm Washers	20060091	£0.06
M8 - 25mm Washers	20060092	£0.06
M8 - 32mm Washers	20060093	£0.06
M10 - 25mm Washers	20060094	£0.06
M10 - 32mm Washers	20060095	£0.06
M6 - Hexagonal Nut	20060096	£0.04
M8 - Hexagonal Nut	20060097	£0.05
M10 - Hexagonal Nut	20060098	£0.10
M12 - Hexagonal Nut	20060099	£0.12

Packed 100 - Priced each



PLUGS AND SCREWS

Size mm	Code	£
Red Plugs - 1000pk	20060370	£2.75
Brown Plugs - 1000pk	20060371	£3.75
1"X8 Twinstart Screws - 200pk	20060372	£6.90
1.1/2"X8 Twinstart Screws-200pk	20060373	£9.45
1.3/4"X8 Twinstart Screws-200pk	20060374	£11.20
2"X8 Twinstart Screws-200pk	20060375	£12.25
1"X10 Twinstart Screws-200pk	20060376	£10.05
1.1/4"X10 Twinstart Screw-200pk	20060377	£8.95
1.1/2"X10 Twinstart Screw-200pk	20060378	£12.45
2"X10 Twinstart Screws - 200pk	20060379	£17.40



SQUARE WASHERS 40 X 40 Sq

Type	Code	£
M6 & M8	20060100	£0.46
M10 & M12	20060101	£0.46

Packed 100 - Priced each



WEDGE NUTS

Size mm	Code	£
M6	20060225	£1.10
M8	20060226	£1.10
M10	20060227	£1.10

Packed 100 - Priced each

BOLTS

Description	Code	£
M8 x 40 SNZP	20050008	£1.05
M8 x 100 SNZP	20050009	£1.50
M10 x 40 SNZP	20050010	£1.20
M10 x 100 SNZP	20050011	£1.75

Fluctuations of base metal prices on the LME may mean our prices have changed please check current pricing prior to ordering

CABLE TRAY

A range of cable and pipe support trays and accessories

FLAT FITTINGS

Part	Code	£
325AD10	20060230	£1.29
325AC11	20060231	£2.25
325AC13	20060232	£2.24
325AF13	20060233	£4.20
325AQ12	20060234	£4.98



325AD10



325AC11



325AC13



325AF13



325AQ12

ANGLE FITTINGS

Part	Code	£
325AS10	20060240	£1.29
325AD10	20060241	£1.29
325AC10	20060242	£2.74
325AE11	20060243	£3.19
325AE12	20060244	£7.50



325AS10



325AD10



325AC10



325AE11



325AE12

U & Z FITTINGS

Part	Code	£
325AJ13	20060260	£4.09
325AD28	20060261	£3.02
325AC13	20060262	£3.02



325AJ13



325AD28



325AC13

CHANNEL BASE & WING FITTINGS

Part	Code	£
325AN10	20060270	£7.39
325AV10	20060271	£10.30
325AG15 (RH)	20060272	£7.39
325AG16 (LH)	20060273	£7.39
325AV02	20060274	£7.67



325AN10



325AV10



325AG15/16



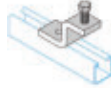
325AV02

BEAM CLAMPS

Part	Code	£
389AWH10	20060280	£1.10
325AP11	20060281	£2.63
P2489HG	20060282	£4.75
325AX10	20060283	£5.32
325AX11	20060284	£2.58



389AWH10



325AP11



P2489



325AX10



325AX11

Next day delivery available on all non stocked items



STRAIGHT DUCT

Part N°	Box Qty	Code	£
CD60	5	20042001	£14.95
CD75	5	20042002	£17.05
CD100	5	20042003	£25.90
CD140	5	20042004	£37.95



OUTLET COVER

Part N°	Box Qty	Code	£
NW60	5	20042031	£6.03
NW75	5	20042032	£6.93
NW100	5	20042033	£13.40
NW140	5	20042034	£17.90



HORIZONTAL ELBOW

Part N°	Box Qty	Code	£
NE60	5	20042005	£6.03
NE75	5	20042006	£6.70
NE100	5	20042007	£13.25
NE140	5	20042008	£17.90



VERTICAL ELBOW

Part N°	Box Qty	Code	£
NC60	5	20042009	£6.03
NC75	5	20042010	£6.70
NC100	5	20042011	£13.38
NC140	5	20042012	£17.83



SOCKET

Part N°	Box Qty	Code	£
NS60	5	20042013	£2.03
NS75	5	20042014	£2.48
NS100	5	20042015	£5.15
NS140	5	20042016	£6.95



FLEXIBLE JOINT

Part N°	Box Qty	Code	£
NF60	5	20042024	£5.50
NF75	5	20042025	£5.40
NF100	5	20042026	£10.38
NF140	5	20042027	£16.25



HORIZONTAL UNIVERSAL ELBOW

Part N°	Box Qty	Code	£
NX60	5	20042038	£7.13
NX75	5	20042039	£7.23
NX100	5	20042040	£13.85
NX140	5	20042041	£18.58



T JOINT

Part N°	Box Qty	Code	£
NT100	1	20042020	£25.03



VERTICAL UNIVERSAL ELBOW

Part N°	Box Qty	Code	£
NZ60	5	20042045	£7.13
NZ75	5	20042046	£7.23



END SOCKET

Part N°	Box Qty	Code	£
NR60	5	20042021	£4.45
NR75	5	20042022	£4.53
NR100	5	20042023	£8.90



HORIZONTAL ELBOW 45°

Part N°	Box Qty	Code	£
NM60	5	20042028	£5.75
NM75	5	20042029	£5.53
NM100	5	20042030	£10.45



VERTICAL ELBOW 45°

Part N°	Box Qty	Code	£
NU60	5	20042042	£5.75
NU75	5	20042043	£6.38
NU100	5	20042044	£12.25



CORNER CAP

Part N°	Box Qty	Code	£
NA60	5	20042035	£8.00
NA75	5	20042036	£9.98
NA100	5	20042037	£11.18



WALL CAP

Part N°	Box Qty	Code	£
NK60	5	20042017	£3.00
NK75	5	20042018	£2.83
NK100	5	20042019	£3.85



SADDLE BAND

Part N°	Box Qty	Code	£
NV-L	10	20042047	£6.88

BIG FOOT Support Systems are quick to install and are available as standard size frames or special design solutions.

Features:

- 15 year warranty
- 48hr Free CAD design
- Free site survey
- No penetration of the roof membrane
- Re-roof without decommissioning plant
- Install in all weathers
- Saves time and reduces costs
- Improves aesthetics



2 UNIT SYSTEM

	Support Dimension	MaxFrame Load	Code Weight		£
2 x 1m Plain Bars - 40 x 40 Section	1m x 1.3m	480kg	42kg	20030009	£567.13
2 x 1.2m Cross Bars - 40 x 40 Section					
4 x Leg assemblies with AV mats - 305mm ² 2 x Leg Clamps					



4 UNIT SYSTEM

	Support Dimension	Max Load	Frame Weight	Code	£
2 x 2m Plain Bars - 40 x 40 Section	2m x 1.3m	720kg	70kg	20030010	£925.50
4 x 1.2m Cross Bars - 40 x 40 Section					
6 x Leg assemblies with AV mats - 305mm ² 4 x Leg Clamps					



6 UNIT SYSTEM

	Support Dimension	Max Load	Frame Weight	Code	£
2 x 3m Plain Bars - 40 x 40 Section	3m x 1.3m	960kg	97kg	20030011	£1270.08
6 x 1.2m Cross Bars - 40 x 40 Section					
8 x Leg assemblies with AV mats - 305mm ² 6 x Leg Clamps					



Optional 2.5° and 5° angled AV pads available, please contact your local branch for details.



H FRAME SET

	Model	Feet Size	Weight	Code	£
Kit includes	Small	305mm x 305mm	4Kg	20030020	£73.90
2 x Feet, 2 x AV Feet, 2 x Unistrut Leg Inserts	Large	450mm x 450mm	10Kg	20030021	£147.78
2 x L-Brackets, 4 x M10 Bolts					
4 x Square Channel Nuts					
Unistrut channel NOT included					

(Please see Unistrut page for channel price)

PRE-ASSEMBLED ADJUSTABLE H FRAME

	Model	Size	Code	£
Save labour time with ready made H Frames.	Small	500mm x 500mm	20030060	£37.73
A quick and easy way to construct cable and pipe runs.	Medium	750mm x 500mm	20030061	£43.28
	Large	750mm x 750mm	20030062	£46.10
Additional sizes available on request	Extra Large	1000mm x 1000mm	20030063	£54.43

Purchase your BIG FOOT with a strip down rebuild unit shown on page 11 and we will assemble and fit it **FREE OF CHARGE** with your rebuilt unit.





MULTI FOOT

	Model	Size	Weight	Code	£
Multi - purpose, one piece, ductwork, cable and pipework support.	Small	400mm x 180mm	3Kg	20030025	£28.25
	Large	600mm x 220mm	4Kg	20030026	£46.23
Designed to accommodate:	AV Mat	400mm x 180mm	1Kg	20030027	£11.85
41mm x 41mm unistrut	AV Mat	600mm x 220mm	1Kg	20030028	£20.90
40mm wide channel (horizontally)					
12mm threaded rod (vertically)					
Unistrut, channel & rod NOT supplied					

(Please see Unistrut page for channel & rod price)



FIX IT FOOT

	Model	Size	Code	£
The foot has 40mm x 20mm aluminium channel bonded in, allowing fixing of the services resting across the feet. Made from durable recycled rubber, the feet provide in-built anti vibration. Can be used as an outdoor unit support foot.	Small	250mm x 180mm x 95mm	20030030	£17.18
	Medium	400mm x 180mm x 95mm	20030031	£22.18
	Large	600mm x 220mm x 95mm	20030032	£26.55
	Extra Large	1000mm x 180mm x 95mm	20030033	£55.33



SWAN NECKS

	Model	Size	Code	£
A quick and simple solution for when pipes and cables have to penetrate a roof surface.	125mm x 125mm	1 outlet	20030015	£243.35
	200mm x 200mm	1 outlet	20030016	£250.30
	125mm x 250mm	1 outlet	20030017	£250.30
	125mm x 500mm	1 outlet	20030018	£278.10
	200mm x 250mm	2 outlets	20030019	£260.73



BIG FOOT PLATFORM ASSEMBLIES

	Size	Code	£
Simply fitted into the top of the Big Foot mouldings, these Platforms provide a versatile support system. Available with a plain top or with 2 or 4 sides, they have a central M10 threaded insert and are supplied in pairs with Big Feet and AV mats.	305mm Flat side	20030040	£76.78
	305mm 2 side	20030041	£76.78
	305mm 4side	20030042	£76.78
	450mm Flat side	20030043	£145.85
	450mm 2 side	20030044	£145.85
	450mm 4t side	20030045	£145.85



HD CUBE

Model	Feet Size	Dimensions HxWxD	Loading Kg	Code	Price
600HD Cube Mega	600 x 600	600 x 700 x 700	2000	20030300	£1,141.05
600HD Cube Large	450 x 450	600 x 700 x 700	1600	20030301	£862.50
200HD Cube Mega	600 x 600	200 x 700 x 700	2000	20030302	£910.70
200HD Cube Large	450 x 450	200 x 700 x 700	1600	20030303	£696.43
Heavy Duty Cube Adjuster		140mm Max		20030304	£196.43
HD Beam Support	600 x 600		1000	20030310	£419.65
HD Beam Support	450 x 450		600	20030311	£273.75
Adjustable iBeam Support	600 x 600		1000	20030312	£589.28
Adjustable iBeam Support	450 x 450		600	20030313	£432.75

The HD Cube offers a complete, efficient and robust solution for supporting heavier services on flat roofs. Ideal for the support of large plant rooms, chillers and large air handling units. The HD Cube provides a simplistic approach without the necessity of casting traditional concrete plinths early on in the construction.



BESPOKE FRAMEWORK & WALKWAY SYSTEMS

In addition to the standard range of Big Foot, [kooltech](http://www.kooltech.co.uk) can assist in the design and selection of the correct components for any bespoke situation. Using your roof plan and with detail of the size and weight of your plant we will provide a fully detailed quotation.



BIG FOOT FRAMES FOR MITSUBISHI ELECTRIC VRF UNITS

NEW

Big Foot	Dimensions	Weight Kg	Code	£
B6923	1750 x 760 x 1710	70	20030270	£964.58
B6924	(1750 + 1220) x 760 x 1710	102	20030271	£1,367.48
B6925	(1750 + 1750) x 760 x 1710	127	20030272	£1,695.05
B6926	(1750 + 1220 + 1220) x 760 x 1710	118	20030273	£1,740.65
B6927	(1750 + 1750 + 1220) x 760 x 1710	157	20030274	£2,097.00
B6928	(1750 + 920) x 760 x 1710	98	20030275	£1,314.23
B6929	(1750 + 920 + 920) x 760 x 1710	128	20030276	£1,720.98
B6930	(1750 + 1220 + 920) x 760 x 1710	131	20030277	£1,740.63
B6931	(1750 + 1750 + 920) x 760 x 1710	156	20030278	£2,071.10
B6932	(1750 + 1750 + 1750) x 760 x 1710	170	20030279	£2,198.68
B9347	920 x 760 x 1710	41	20030250	£588.53
B9348	920 x 760 x 1710	41	20030251	£588.53
B9349	1220 x 760 x 1710	44	20030252	£608.20
B9350	1220 x 760 x 1710	44	20030253	£608.20
B9352	(920 + 920) x 760 x 1710	73	20030254	£986.63
B9353	(920 + 920) x 760 x 1710	73	20030255	£986.63
B9354	(1220 + 920) x 760 x 1710	73	20030256	£986.63
B9355	(1220 + 920) x 760 x 1710	73	20030257	£986.63
B9356	(1220 + 1220) x 760 x 1710	88	20030258	£1,208.70
B9357	(1220 + 1220) x 760 x 1710	88	20030259	£1,208.70
B9361	(1220 + 920 + 920) x 760 x 1710	103	20030260	£1,393.38
B9362	(1220 + 920 + 920) x 760 x 1710	103	20030261	£1,393.38
B9363	(1220 + 1220 + 920) x 760 x 1710	118	20030262	£1,615.45
B9364	(1220 + 1220 + 1220) x 760 x 1710	118	20030263	£1,615.45

PUHY-P Sizing Table

Model	Code
PUHY-P200YJM-A	B9347
PUHY-P250YJM-A	B9347
PUHY-P300YJM-A	B9348
PUHY-P350YJM-A	B9349
PUHY-P400YJM-A	B9350
PUHY-P450YJM-A	B6923
PUHY-P500YSJM-A	B9352
PUHY-P550YSJM-A	B9353
PUHY-P600YSJM-A	B9354
PUHY-P650YSJM-A	B9355
PUHY-P700YSJM-A	B9356
PUHY-P750YSJM-A	B9357
PUHY-P800YSJM-A	B6924
PUHY-P850YSJM-A	B6924
PUHY-P900YSJM-A	B6925
PUHY-P950YSJM-A	B9361
PUHY-P1000YSJM-A	B9362
PUHY-P1050YSJM-A	B9363
PUHY-P1100YSJM-A	B9364
PUHY-P1150YSJM-A	B6926
PUHY-P1200YSJM-A	B6926
PUHY-P1250YSJM-A	B6927

PUHY-EP Sizing Table

Model	Code
PUHY-EP200YJM-A	B9347
PUHY-EP300YJM-A	B6923
PUHY-EP400YSJM-A	B9352
PUHY-EP450YSJM-A	B9354
PUHY-EP500YSJM-A	B6928
PUHY-EP550YSJM-A	B6924
PUHY-EP600YSJM-A	B6925
PUHY-EP650YSJM-A	B9363
PUHY-EP700YSJM-A	B6929
PUHY-EP750YSJM-A	B6930
PUHY-EP800YSJM-A	B6931
PUHY-EP850YSJM-A	B6927
PUHY-EP900YSJM-A	B6932

PURY-P Sizing Table

Model	Code
PURY-P200YJM-A	B9347
PURY-P250YJM-A	B9347
PURY-P300YJM-A	B9348
PURY-P350YJM-A	B9349
PURY-P400YJM-A	B9350
PURY-P450YJM-A	B6923
PURY-P450YSJM-A1	B9352
PURY-P500YSJM-A	B9352
PURY-P550YSJM-A	B9353
PURY-P600YSJM-A	B9353
PURY-P650YSJM-A	B9355
PURY-P700YSJM-A	B9356
PURY-P750YSJM-A	B9357
PURY-P800YSJM-A	B9357
PURY-P850YSJM-A	B6924
PURY-P900YSJM-A	B6925

PURY-EP Sizing Table

Model	Code
PURY-EP200YJM-A	B9347
PURY-EP250YJM-A	B9349
PURY-EP300YJM-A	B9350
PURY-EP350YJM-A	B6923
PURY-EP400YSJM-A	B9352
PURY-EP450YSJM-A	B9354
PURY-EP500YSJM-A	B9355
PURY-EP550YSJM-A	B9357
PURY-EP600YSJM-A	B9357
PURY-EP650YSJM-A	B6924
PURY-EP700YSJM-A	B6925

COPPER TUBE

Pipe Insulation
Copper Fittings
Pipe Clamps

30

Fluctuations of base metal prices on the LME may mean our prices have changed please check current pricing prior to ordering



COPPER SOFT TEMPERED COIL

Size	Length	Gauge	Code	£
1/4"	15	22	30010080	£77.34
1/4"	30	22	30010081	£154.67
3/8"	15	21	30010082	£136.41
3/8"	30	21	30010083	£272.92
1/2"	15	21	30010084	£186.30
1/2"	30	21	30010085	£372.41
5/8"	15	20	30010086	£263.74
5/8"	30	20	30010087	£524.47
3/4"	15	19	30010088	£359.10
3/4"	30	19	30010089	£718.10
7/8"	15	19	30010090	£421.87
7/8"	30	19	30010091	£901.39



DUAL - AIRCONDITIONING TUBE

Size	Length	Gauge	Code	£
1/4"	15	21	30010100	POA
1/4"	30	21	30010101	POA
3/8"	15	21	30010102	POA
3/8"	30	21	30010103	POA
1/2"	15	19	30010104	POA
1/2"	30	19	30010105	POA
5/8"	15	18	30010106	POA
5/8"	30	18	30010107	POA

Dual uses a metallurgical bond of a copper core and aluminium exterior. The product looks like an aluminium tube from the outside, but like a copper tube from the inside. Dual is ideal for the air-conditioning unit installation market, with capabilities that are ideal for connecting split-type air-conditioning units. The installer can work with it just as they would normal copper tubing, as it still joins perfectly to other copper tubes. The process for joining Dual to other copper tubes remains simple. Expanding the end of the tube exposes the copper inner, allowing copper to copper contact. A heat shrinkable jacket is supplied free with the product for sealing the dual tube to the brass flare nut on the air conditioning unit. The tube feels, bends and flares just like a normal copper system. It doesn't require any expensive tools, lots of special fittings or different processes.

HALF HARD COPPER STRAIGHT LENGTHS

Size	Length	Gauge	Code	£
3/8"	3	21	30010020	£28.13
3/8"	6	21	30010050	£56.21
1/2"	3	20	30010021	£42.65
1/2"	6	20	30010051	£85.30
5/8"	3	20	30010022	£54.03
5/8"	6	20	30010052	£108.00
3/4"	3	19	30010035	£71.69
3/4"	6	19	30010064	£143.33
7/8"	3	18	30010024	£99.97
7/8"	6	18	30010054	£199.94
1.1/8"	3	18	30010025	£130.28
1.1/8"	6	18	30010055	£260.56
1.1/8"	3	16	30010036	£177.55
1.1/8"	6	16	30010065	£355.02
1.3/8"	3	18	30010026	£166.94
1.3/8"	6	18	30010056	£333.87
1.3/8"	3	16	30010037	£222.65
1.3/8"	6	16	30010066	£445.35
1.3/8"	3	14	30010040	£174.46
1.3/8"	6	14	30010041	£208.39
1.3/8"	3	12	30010042	£224.36
1.3/8"	6	12	30010043	£268.88
1.5/8"	3	18	30010048	£205.30
1.5/8"	6	18	30010049	£410.52
1.5/8"	3	16	30010027	£265.09
1.5/8"	6	16	30010057	£530.17
1.5/8"	3	14	30010044	£347.73
1.5/8"	6	14	30010045	£416.78
1.5/8"	3	12	30010046	£449.46
1.5/8"	6	12	30010047	£537.34
2.1/8"	3	18	30010028	£286.33
2.1/8"	6	18	30010058	£572.60
2.1/8"	3	16	30010038	£379.53
2.1/8"	6	16	30010067	£759.12
2.5/8"	3	18	30010029	POA
2.5/8"	6	18	30010059	POA
3.1/8"	3	16	30010030	POA
3.1/8"	6	16	30010060	POA
3.5/8"	3	16	30010031	POA
3.5/8"	6	16	30010061	POA
4.1/8"	3	16	30010032	POA
4.1/8"	6	16	30010062	POA

Description	Quantity	Code	£
Zn/Al Brazing Rod	20 Sticks	80060017	54.00

R410A – Please note installations of 1 1/8" and larger 16g should be installed in accordance to BS1306:1975

Fluctuations of base metal prices on the LME may mean our prices have changed please check current pricing prior to ordering



Copper Coils	PRESSURE ALLOWANCE			20-100°C		100°C +	
	Wall	Bar	N/mm 2	Bar	N/mm 2		
(1/4" x 22swg)	0.71	125.9	200	100.7	40		
(1/4" x 20swg)	0.91	167.3	200	133.8	40		
(3/8" x 22swg)	0.71	125.9	200	100.7	40		
(3/8" x 21swg)	0.81	93.0	200	74.4	40		
(3/8" x 20swg)	0.91	105.7	200	84.6	40		
(1/2" x 21swg)	0.91	77.2	200	61.7	40		
(1/2" x 20swg)	0.91	77.2	200	61.7	40		
(5/8" x 20swg)	0.91	60.8	200	48.4	40		
(3/4" x 20swg)	0.91	50.2	200	40.1	40		
(3/4" x 19swg)	1.016	56.3	200	45.1	40		
(7/8" x 19swg)	1.02	47.9	200	38.3	40		

Copper Straight	PRESSURE ALLOWANCE					
	Wall	Bar	N/mm 2	Bar	N/mm 2	
(3/8" x 21swg)	0.81	93.0	200	74.4	40	
(3/8" x 20swg)	0.91	105.7	200	84.6	40	
(1/2" x 20swg)	0.91	77.2	200	61.7	40	
(5/8" x 20swg)	0.91	60.8	200	48.7	40	
(3/4" x 20swg)	0.91	50.2	200	40.1	40	
(3/4" x 19swg)	1.02	56.3	200	45.1	40	
(3/4" x 18swg)	1.22	68.4	200	54.7	40	
(7/8" x 19swg)	1.02	47.9	200	38.3	40	
(7/8" x 18swg)	1.22	58.1	200	46.5	40	
(1.1/8" x 18swg)	1.22	44.6	200	35.7	40	
(1.1/8" x 16swg)	1.63	60.3	200	48.2	40	
(1.3/8" x 14swg)	2	60.8	200	48.60	40	
(1.3/8" x 12swg)	2.5	77.1	200	61.70	40	
(1.3/8" x 18swg)	1.22	36.2	200	29.0	40	
(1.3/8" x 18swg)	1.4	41.7	200	33.3	40	
(1.3/8" x 16swg)	1.63	48.8	200	39.0	40	
(1.5/8" x 18swg)	1.22	30.5	200	24.4	40	
(1.5/8" x 16swg)	1.63	41.0	200	32.8	40	
(1.5/8" x 14swg)	2	50.9	200	40.70	40	
(1.5/8" x 12swg)	2.5	64.5	200	51.60	40	
(2.1/8" x 18swg)	1.22	23.1	200	18.5	40	
(2.1/8" x 16swg)	1.63	31.0	200	24.8	40	
(2.1/8" x 14swg)	2	38.5	200	30.8	40	
(2.5/8" x 18swg)	1.22	18.6	200	14.9	40	
(2.5/8" x 16swg)	1.63	25.0	200	20.0	40	
(2.5/8" x 14swg)	2	30.9	200	24.7	40	
(2.5/8" x 12swg)	2.5	39.0	200	31.2	40	
(3.1/8" x 18swg)	1.22	15.6	200	12.5	40	
(3.1/8" x 16swg)	1.63	20.9	200	16.7	40	
(3.1/8" x 14swg)	2	25.8	200	20.7	40	
(3.1/8" x 12swg)	2.5	32.5	200	26.0	40	
(3.5/8" x 18swg)	1.22	13.4	200	10.7	40	
(3.5/8" x 16swg)	1.63	18.0	200	14.4	40	
(3.5/8" x 14swg)	2	22.2	200	17.8	40	
(3.5/8" x 12swg)	2.5	27.9	200	22.3	40	
(4.1/8" x 18swg)	1.22	11.8	200	9.4	40	
(4.1/8" x 16swg)	1.63	15.8	200	12.6	40	
(4.1/8" x 14swg)	2	19.5	200	15.6	40	
(4.1/8" x 12swg)	2.5	24.4	200	19.6	40	



3/8" WALL - 2 METRE LENGTH

Size	Wall x o.d	Qty	Code	£
9 - 6 - 2	3/8" x 1/4"	180	30030210	£2.37
9 - 10 - 2	3/8" x 3/8"	160	30030211	£2.37
9 - 12 - 2	3/8" x 1/2"	140	30030212	£2.37
9 - 15 - 2	3/8" x 5/8"	120	30030213	£2.53
9 - 20 - 2	3/8" x 3/4"	80	30030214	£3.25
9 - 22 - 2	3/8" x 7/8"	78	30030215	£3.25
9 - 28 - 2	3/8" x 1.1/8"	62	30030216	£3.47
9 - 35 - 2	3/8" x 1.3/8"	46	30030217	£4.07
9 - 42 - 2	3/8" x 1.5/8"	35	30030218	£4.79
9 - 54 - 2	3/8" x 2.1/8"	30	30030219	£6.88

3/8" WALL - COILED PIPE INSULATION

Size	Wall x o.d	Length	Code	£
9 - 6 - 40	3/8" x 1/4"	40	30030300	£50.10
9 - 10 - 34	3/8" x 3/8"	34	30030301	£46.34
9 - 12 - 31	3/8" x 1/2"	31	30030302	£42.09
9 - 15 - 27	3/8" x 5/8"	27	30030303	£40.35
9 - 20 - 23	3/8" x 3/4"	23	30030304	£38.85
9 - 22 - 19	3/8" x 7/8"	19	30030305	£35.19
9 - 28 - 14	3/8" x 1.1/8"	14	30030306	£30.80

1/2" WALL - 2 METRE LENGTH

Size	Wall x o.d	Qty	Code	£
13 - 6 - 2	1/2" x 1/4"	120	30030230	£2.92
13 - 10 - 2	1/2" x 3/8"	95	30030231	£3.25
13 - 12 - 2	1/2" x 1/2"	86	30030232	£3.25
13 - 15 - 2	1/2" x 5/8"	77	30030233	£3.36
13 - 20 - 2	1/2" x 3/4"	60	30030234	£3.58
13 - 22 - 2	1/2" x 7/8"	55	30030235	£3.85
13 - 28 - 2	1/2" x 1.1/8"	43	30030236	£5.06
13 - 35 - 2	1/2" x 1.3/8"	38	30030237	£5.50
13 - 42 - 2	1/2" x 1.5/8"	28	30030238	£6.60
13 - 54 - 2	1/2" x 2.1/8"	23	30030239	£9.24
13 - 67 - 2	1/2" x 2.5/8"	20	30030240	£10.40

1/2" WALL - COILED PIPE INSULATION

Size	Wall x o.d	Length	Code	£
13 - 6 - 26	1/2" x 1/4"	26	30030310	£41.46
13 - 10 - 23	1/2" x 3/8"	23	30030311	£40.06
13 - 12 - 18	1/2" x 1/2"	18	30030312	£35.05
13 - 15 - 17	1/2" x 5/8"	17	30030313	£34.44
13 - 20 - 15	1/2" x 3/4"	15	30030314	£34.20
13 - 22 - 14	1/2" x 7/8"	14	30030315	£34.04
13 - 28 - 10	1/2" x 1.1/8"	10	30030316	£31.52

KAIFLEX ST COILED PIPE INSULATION 15 METRE LENGTHS - BAGGED

Size	Wall x o.d	Length	Code	£
9 - 6 - 15	3/8" x 1/4"	15	30030360	£17.92
9 - 10 - 15	3/8" x 3/8"	15	30030361	£17.92
9 - 12 - 15	3/8" x 1/2"	15	30030362	£17.92
9 - 15 - 15	3/8" x 5/8"	15	30030363	£18.87
9 - 20 - 15	3/8" x 3/4"	15	30030364	£24.23
9 - 22 - 15	3/8" x 7/8"	15	30030365	£24.23
9 - 28 - 15	3/8" x 1.1/8"	15	30030366	£25.89
13 - 6 - 15	1/2" x 1/4"	15	30030370	£21.94
13 - 10 - 15	1/2" x 3/8"	15	30030371	£24.23
13 - 12 - 15	1/2" x 1/2"	15	30030372	£24.23
13 - 15 - 15	1/2" x 5/8"	15	30030373	£25.10
13 - 20 - 15	1/2" x 3/4"	15	30030374	£26.92
13 - 22 - 15	1/2" x 7/8"	15	30030375	£28.73
13 - 28 - 15	1/2" x 1.1/8"	15	30030376	£37.81

3/4" WALL - 2 METRE LENGTH

Size	Wall x o.d	Qty	Code	£
19 - 10 - 2	3/4" x 3/8"	53	30030250	£5.34
19 - 12 - 2	3/4" x 1/2"	50	30030251	£5.50
19 - 15 - 2	3/4" x 5/8"	43	30030252	£5.72
19 - 20 - 2	3/4" x 3/4"	38	30030253	£6.44
19 - 22 - 2	3/4" x 7/8"	37	30030254	£6.99
19 - 28 - 2	3/4" x 1.1/8"	29	30030255	£9.52
19 - 35 - 2	3/4" x 1.3/8"	24	30030256	£11.06
19 - 42 - 2	3/4" x 1.5/8"	20	30030257	£13.15
19 - 54 - 2	3/4" x 2.1/8"	15	30030258	£16.67
19 - 67 - 2	3/4" x 2.5/8"	14	30030259	£20.02

1" WALL - 2 METRE LENGTH

Size	Wall x o.d	Qty	Code	£
25 - 20 - 2	1" x 3/4"	25	30030271	£12.32
25 - 22 - 2	1" x 7/8"	21	30030272	£12.49
25 - 28 - 2	1" x 1.1/8"	20	30030273	£14.14
25 - 35 - 2	1" x 1.3/8"	16	30030274	£15.68
25 - 42 - 2	1" x 1.5/8"	12	30030275	£16.83
25 - 54 - 2	1" x 2.1/8"	11	30030276	£19.75
25 - 67 - 2	1" x 2.5/8"	9	30030277	£26.79

Page updated 9th August 2012



KAIMANN TC PIPE INSULATION

Nitrile rubber insulation with a tough PVC coating pre-applied. KAIFLEX TC prevents energy loss and condensation whilst providing the waterproof rubber foam insulation with protection against the weather, impact, vandalism and UV damage. Supplied black as standard, white available to special order.

KAIMANN ACCESSORIES

Description		Code	£
Kaimann Class "O" Tape	15 Metre	30030330	£41.67
Adhesive	220g	30030331	£18.50
Adhesive	450g	30030332	£23.06
Adhesive	660g	30030333	£37.91
Adhesive	2500g	30030334	£85.25
Grey Paint	0.75 Litre	30030335	£79.54
White Paint	0.75 Litre	30030336	£79.54
Black Paint	0.75 Litre	30030339	£79.54
2m x 1/2m x 1/2"	Sheet	30030320	£25.97
2m x 1/2m x 1"	Sheet	30030321	£50.87
2m X 1/2m X 3/8"	Sheet	30030322	£23.68

1/2" WALL - 1 METRE LENGTH

Size	Wall x o.d	Qty	Code	£
13 - 10 - 1	1/2" x 3/8"	95	30030700	£14.96
13 - 12 - 1	1/2" x 1/2"	86	30030701	£15.40
13 - 15 - 1	1/2" x 5/8"	77	30030702	£15.84
13 - 20 - 1	1/2" x 3/4"	60	30030703	£17.38
13 - 22 - 1	1/2" x 7/8"	55	30030704	£18.26
13 - 28 - 1	1/2" x 1.1/8"	43	30030705	£19.42
13 - 35 - 1	1/2" x 1.3/8"	38	30030706	£21.29
13 - 42 - 1	1/2" x 1.5/8"	28	30030707	£23.54
13 - 54 - 1	1/2" x 2.1/8"	23	30030709	£29.04
13 - 67 - 1	1/2" x 2.5/8"	20	30030711	£33.72

3/4" WALL - 1 METRE LENGTH

Size	Wall x o.d	Qty	Code	£
19 - 12 - 1	3/4" x 1/2"	50	30030720	£23.87
19 - 15 - 1	3/4" x 5/8"	43	30030721	£24.59
19 - 20 - 1	3/4" x 3/4"	38	30030722	£25.36
19 - 22 - 1	3/4" x 7/8"	37	30030723	£25.85
19 - 28 - 1	3/4" x 1.1/8"	29	30030724	£26.79
19 - 35 - 1	3/4" x 1.3/8"	24	30030725	£29.54
19 - 42 - 1	3/4" x 1.5/8"	20	30030726	£33.17
19 - 54 - 1	3/4" x 2.1/8"	15	30030728	£39.93
19 - 67 - 1	3/4" x 2.5/8"	14	30030730	£45.43
19 - 80 - 1	3/4" x 3.1/8"	13	30030731	£47.25

1" WALL - 1 METRE LENGTH

Size	Wall x o.d	Qty	Code	£
25 - 12 - 1	1" x 1/2"	30	30030740	£29.48
25 - 15 - 1	1" x 5/8"	30	30030741	£30.42
25 - 20 - 1	1" x 3/4"	25	30030742	£31.02
25 - 22 - 1	1" x 7/8"	21	30030743	£32.12
25 - 28 - 1	1" x 1.1/8"	20	30030744	£35.48
25 - 35 - 1	1" x 1.3/8"	16	30030745	£39.77
25 - 42 - 1	1" X 1.5/8"	12	30030746	£43.12
25 - 54 - 1	1" X 2.1/8"	11	30030748	£51.98



LONG RADIUS 90 DEGREE ELBOWS

Size	Code	£
1/4"	30020001	£4.31
3/8"	30020002	£3.39
1/2"	30020003	£4.15
5/8"	30020004	£3.66
3/4"	30020005	£4.00
7/8"	30020006	£5.10
1.1/8"	30020007	£7.21
1.3/8"	30020008	£11.41
1.5/8"	30020009	£15.40
2.1/8"	30020010	£40.57
2.5/8"	30020011	£75.08
3.1/8"	30020012	£106.65
3.5/8"	30020013	£322.35
4.1/8"	30020014	£250.00



EQUAL TEES

Size	Code	£
1/4"	30020049	£5.57
3/8"	30020050	£4.95
1/2"	30020051	£3.66
5/8"	30020052	£1.31
3/4"	30020053	£7.92
7/8"	30020054	£3.00
1.1/8"	30020055	£9.17
1.3/8"	30020056	£13.98
1.5/8"	30020057	£19.33
2.1/8"	30020058	£30.14
2.5/8"	30020059	£60.04
3.1/8"	30020060	£111.38
3.5/8"	30020218	£226.90
4.1/8"	30020219	£199.75



SHORT RADIUS 90 DEGREE ELBOWS

Size	Code	£
1/4"	30020014	£2.50
3/8"	30020015	£2.18
1/2"	30020016	£2.18
5/8"	30020017	£0.76
3/4"	30020018	£4.50
7/8"	30020019	£1.69
1.1/8"	30020020	£4.00
1.3/8"	30020021	£6.12
1.5/8"	30020022	£9.45
2.1/8"	30020023	£17.04
2.5/8"	30020024	£38.77
3.1/8"	30020025	£54.33
3.5/8"	30020026	£132.05



REDUCING TEES

Size	Code	£
3/8" x 3/8" x 1/4"	30020061	£9.55
3/8" x 3/8" x 1/2"	30020062	£12.01
3/8" x 3/8" x 5/8"	30020063	£6.07
1/2" x 1/2" x 1/4"	30020064	£8.30
1/2" x 1/2" x 3/8"	30020065	£8.30
1/2" x 1/2" x 5/8"	30020066	£7.26
5/8" x 5/8" x 1/4"	30020067	£6.00
5/8" x 5/8" x 3/8"	30020068	£7.32
5/8" x 5/8" x 1/2"	30020069	£6.39
5/8" x 5/8" x 3/4"	30020070	£6.00
3/4" x 3/4" x 3/8"	30020071	£11.96
3/4" x 3/4" x 1/2"	30020072	£12.07
3/4" x 3/4" x 5/8"	30020073	£12.07
7/8" x 7/8" x 3/8"	30020074	£3.28
7/8" x 7/8" x 1/2"	30020075	£3.28
7/8" x 7/8" x 3/4"	30020076	£2.72
7/8" x 7/8" x 5/8"	30020077	£2.95
1.1/8" x 1.1/8" x 1/2"	30020078	£10.65
1.1/8" x 1.1/8" x 3/4"	30020079	£8.98
1.1/8" x 1.1/8" x 5/8"	30020080	£9.17
1.1/8" x 1.1/8" x 7/8"	30020081	£9.17
1.3/8" x 1.1/8" x 5/8"	30020082	£20.75
1.3/8" x 1.3/8" x 1/2"	30020083	£9.59
1.3/8" x 1.3/8" x 5/8"	30020084	£15.89
1.3/8" x 1.3/8" x 7/8"	30020085	£13.60
1.3/8" x 1.3/8" x 1.1/8"	30020086	£13.60
1.5/8" x 1.5/8" x 5/8"	30020087	£18.29
1.5/8" x 1.5/8" x 7/8"	30020088	£14.36
1.5/8" x 1.5/8" x 1.1/8"	30020089	£14.36
1.5/8" x 1.5/8" x 1.3/8"	30020090	£14.36
2.1/8" x 2.1/8" x 7/8"	30020091	£24.46
2.1/8" x 2.1/8" x 1.1/8"	30020092	£24.46
2.1/8" x 2.1/8" x 1.3/8"	30020093	£22.82
2.1/8" x 2.1/8" x 1.5/8"	30020094	£22.82
2.1/8" X 2.1/8" X 2.5/8"	30020243	£106.69
2.5/8" x 2.5/8" x 1.1/8"	30020095	£81.08
2.5/8" x 2.5/8" x 1.3/8"	30020096	£81.08
2.5/8" x 2.5/8" x 1.5/8"	30020097	£81.08
2.5/8" x 2.5/8" x 2.1/8"	30020098	£81.08
3.1/8" x 2.5/8" x 3.1/8"	30020224	£121.17



45 DEGREE ELBOWS

Size	Code	£
1/4"	30020036	£9.10
3/8"	30020037	£4.31
1/2"	30020038	£3.44
5/8"	30020039	£1.37
3/4"	30020040	£6.66
7/8"	30020041	£2.35
1.1/8"	30020042	£5.84
1.3/8"	30020043	£7.92
1.5/8"	30020044	£9.56
2.1/8"	30020045	£15.89
2.5/8"	30020046	£40.13
3.1/8"	30020047	£59.24
3.5/8"	30020048	£90.00
4.1/8"	30020217	£104.95



EQUAL COUPLERS		
Size	Code	£
1/4"	30020161	£1.10
3/8"	30020162	£0.60
1/2"	30020163	£0.76
5/8"	30020164	£0.60
3/4"	30020165	£1.69
7/8"	30020166	£1.37
1.1/8"	30020167	£2.24
1.3/8"	30020168	£4.00
1.5/8"	30020169	£4.91
2.1/8"	30020170	£8.63
2.5/8"	30020171	£18.13
3.1/8"	30020172	£33.03
3.5/8"	30020173	£47.95
4.1/8"	30020174	£54.30



FITTING X COPPER REDUCER		
Size	Code	£
3/8" x 1/4"	30020126	£1.90
1/2" x 1/4"	30020127	£1.91
1/2" x 3/8"	30020128	£1.69
5/8" x 3/8"	30020129	£1.31
5/8" x 1/2"	30020130	£1.31
3/4" x 3/8"	30020131	£3.55
3/4" x 1/2"	30020132	£3.55
3/4" x 5/8"	30020133	£3.55
7/8" x 3/8"	30020134	£2.40
7/8" x 1/2"	30020135	£2.40
7/8" x 5/8"	30020136	£2.07
7/8" x 3/4"	30020137	£2.07
1.1/8" x 1/2"	30020138	£3.71
1.1/8" x 5/8"	30020139	£3.60
1.1/8" x 3/4"	30020140	£3.44
1.1/8" x 7/8"	30020141	£3.22
1.3/8" x 5/8"	30020142	£5.46
1.3/8" x 7/8"	30020143	£5.46
1.3/8" x 1.1/8"	30020144	£5.46
1.5/8" x 7/8"	30020145	£7.32
1.5/8" x 1.1/8"	30020146	£7.32
1.5/8" x 1.3/8"	30020147	£7.32
2.1/8" x 1.1/8"	30020148	£13.60
2.1/8" x 1.3/8"	30020149	£13.60
2.1/8" x 1.5/8"	30020150	£13.60
2.5/8" x 1.1/8"	30020151	£27.00
2.5/8" x 1.3/8"	30020152	£32.49
2.5/8" x 1.5/8"	30020153	£32.49
2.5/8" x 2.1/8"	30020154	£32.49
3.1/8" x 1.3/8"	30020155	£33.85
3.1/8" x 1.5/8"	30020156	£41.00
3.1/8" x 2.1/8"	30020157	£42.60
3.1/8" x 2.5/8"	30020158	£41.00
3.5/8" x 3.1/8"	30020159	£43.80
4.1/8" X 3.1/8"	30020242	£67.75
4.1/8" x 3.5/8"	30020160	£67.75



COPPER X COPPER REDUCERS		
Size	Code	£
3/8" x 1/4"	30020099	£3.60
1/2" x 3/8"	30020100	£1.15
5/8" x 1/4"	30020101	£1.15
5/8" x 3/8"	30020102	£1.31
5/8" x 1/2"	30020103	£1.15
3/4" x 3/8"	30020104	£3.90
3/4" x 1/2"	30020105	£3.33
3/4" x 5/8"	30020106	£2.84
7/8" x 3/8"	30020107	£1.86
7/8" x 1/2"	30020108	£2.75
7/8" x 5/8"	30020109	£2.07
7/8" x 3/4"	30020110	£2.07
1.1/8" x 1/2"	30020111	£4.10
1.1/8" x 3/4"	30020112	£3.93
1.1/8" x 5/8"	30020113	£4.10
1.1/8" x 7/8"	30020114	£3.60
1.3/8" x 5/8"	30020115	£5.73
1.3/8" x 3/4"	30020116	£7.10
1.3/8" x 7/8"	30020117	£12.99
1.3/8" x 1.1/8"	30020118	£5.13
1.5/8" x 7/8"	30020119	£8.63
1.5/8" x 1.1/8"	30020120	£8.41
1.5/8" x 1.3/8"	30020121	£8.41
2.1/8" x 1.1/8"	30020122	£15.18
2.1/8" x 1.3/8"	30020123	£13.05
2.1/8" x 1.5/8"	30020124	£13.05
2.5/8" X 1.1/8"	30020221	£28.45
2.5/8" X 1.3/8"	30020241	£34.67
2.5/8" x 2.1/8"	30020125	£34.67
3.1/8" X 2.1/8"	30020222	£56.51
3.1/8" X 2.5/8"	30020223	£54.55
4.1/8" X 3.1/8"	30020240	£76.65



RETURN BENDS		
Size	Code	£
3/8"	30020027	£2.16
1/2"	30020028	£2.96
5/8"	30020029	£5.54
3/4"	30020030	£9.06
7/8"	30020031	£12.15
1.1/8"	30020032	£22.25
1.3/8"	30020033	£35.02
1.5/8"	30020034	£44.02
2.1/8"	30020035	£114.56



LONG RADIUS 90 DEGREE ELBOWS FITTING X COPPER

Size	Code	£
3/8'	30020225	£4.00
1/2'	30020226	£7.50
5/8'	30020227	£5.35
3/4'	30020211	£6.33
7/8'	30020228	£6.40
1.1/8'	30020212	£10.32
1.3/8'	30020245	£13.40
1.5/8'	30020246	£18.70
2.1/8'	30020244	£41.10
2.5/8'	30020213	£76.17
3.1/8'	30020247	£95.95



SHORT RADIUS 90 DEGREE ELBOWS FITTING X COPPER

Size	Code	£
1/2"	30020204	£2.68
5/8"	30020205	£1.15
3/4"	30020206	£4.64
7/8"	30020207	£2.40
1.1/8'	30020208	£6.12
1.3/8'	30020209	£9.17
1.5/8'	30020210	£12.07



45 DEGREE ELBOWS FITTING X COPPER

Size	Code	£
3/8'	30020229	£6.12
1/2'	30020230	£4.15
5/8'	30020231	£1.58
3/4'	30020232	£10.05
7/8'	30020233	£2.40
1.1/8'	30020234	£7.70
1.3/8'	30020235	£9.66
1.5/8'	30020236	£11.90
2.1/8'	30020237	£18.84
2.5/8'	30020238	£51.87
3.1/8'	30020239	£70.71



P TRAPS

Size	Code	£
5/8'	30020197	£25.83
3/4'	30020198	£38.17
7/8'	30020199	£31.56
1.1/8'	30020200	£42.04
1.3/8'	30020201	£66.89
1.5/8'	30020202	£104.12
2.1/8'	30020203	£208.30



COPPER SADDLES

Size	Code	£
1/8'	30020186	£0.98
1/4'	30020187	£0.37
3/8'	30020188	£0.37
1/2'	30020189	£0.44
5/8'	30020190	£0.60
3/4'	30020191	£0.60
7/8'	30020192	£0.76
1.1/8'	30020193	£0.76
1.3/8'	30020194	£1.00
1.5/8'	30020195	£1.10
2.1/8'	30020196	£1.15



END CAPS

Size	Code	£
3/8'	30020175	£0.80
1/2'	30020176	£1.15
5/8'	30020177	£0.60
3/4'	30020178	£1.20
7/8'	30020179	£1.00
1.1/8'	30020180	£2.24
1.3/8'	30020181	£3.17
1.5/8'	30020182	£4.59
2.1/8'	30020183	£8.41
2.5/8'	30020184	£31.40
3.1/8'	30020185	£42.32



PIPE CLAMPS

Size	Code	£
1/4"	30040002	£1.30
3/8"	30040003	£1.30
1/2"	30040004	£1.30
5/8"	30040005	£1.30
3/4"	30040006	£1.65
7/8"	30040007	£1.90
1.1/8"	30040008	£2.10
1.3/8"	30040009	£2.60
1.5/8"	30040010	£3.15
2.1/8"	30040011	£4.70
2.5/8"	30040012	£5.30
3.1/8"	30040013	£8.10
3.5/8"	30040014	£11.00
4.1/8"	30040015	£11.70

Packed in bags of 10 - Priced each



QUICK POSITIONING CLAMPS

Size	Code	£
1/4"	30040027	£1.90
3/8"	30040028	£1.95
1/2"	30040029	£2.00
5/8"	30040030	£2.05
3/4"	30040031	£2.10
7/8"	30040032	£2.15
1.1/8"	30040033	£2.20
1.3/8"	30040034	£2.25

Packed in bags of 10 - Priced each



CHANNEL CLIPS (Fits 41mm channel)

Size	Code	£
1/4"	30040050	£1.80
3/8"	30040051	£1.80
1/2"	30040052	£1.95
5/8"	30040053	£2.10
3/4"	30040054	£2.25
7/8"	30040055	£2.40
1.1/8"	30040056	£2.70
1.3/8"	30040057	£2.80
1.5/8"	30040058	£2.90
1 1/2"	30040059	£3.00
1.5/8"	30040060	£3.10
2.1/8"	30040061	£3.30

Packed in bags of 10 - Priced each

CHANNEL

Size	Code	£
3m Ali	30040001	£24.60

KNOCK IN CLIPS

Description	Code	£
Wall Tie 100 pack	20060018	£9.38

CABLE TIES Packed 100

Size	Code	£
CPT300/48	20060300	£15.00
KCT300-4.8BL	20060301	£6.75



GRIP LOCK

Size	Code	£
Size 1	30040020	£2.45
Size 2	30040021	£2.60
Size 3	30040022	£2.70
Size 4	30040023	£2.80

Packed in bags of 10 - Priced each



PLASTIC HANGERS

Size	Code	£
P2	30040110	£3.10
P3	30040111	£3.20
P4	30040112	£3.30

Packed in bags of 10 - Priced each



PIPE SUSPENDERS

Size	Code	£
BBJ 2	30040046	£4.60
BBJ 3	30040047	£5.10
BBJ 4	30040048	£5.60

Packed in bags of 10 - Priced each



QUICK POSITIONING HANGERS

Size	Fits		Plastic	Code	£
	Cu Pipe	Ins Cu Pipe			
No1	1/4"-3/8"	-	-	30040100	£1.45
No2	1/2"-5/8"	-	-	30040101	£1.55
No3	3/4"-7/8"	-	20 mm	30040102	£1.65
No4	1"-1 1/8"	1/4" - 3/8"	25 mm	30040103	£1.75
No5	1 1/4"-1 3/8"	1/2" - 5/8"	32 mm	30040104	£1.85

Packed in bags of 10 - Priced each



STUD CLIP

Size	M8		M10	
	Code	£ Pack 10	Code	£
1/4" - 6-10mm	30040070	£1.50	30040084	£1.50
3/8" - 6-10mm	30040071	£1.55	30040085	£1.55
1/2" - 12mm	30040072	£1.60	30040086	£1.60
5/8"	30040073	£1.70	30040087	£1.70
3/4" - 18-20mm	30040074	£1.75	30040088	£1.75
7/8" - 22mm	30040075	£1.80	30040089	£1.80
1" - 24-25mm	30040076	£1.85	30040090	£1.85
1.1/8" - 27-28mm	30040077	£1.90	30040091	£1.90
1 1/4" - 30-34mm	30040078	£2.00	30040092	£2.00
1.3/8" - 35-38mm	30040079	£2.10	30040093	£2.10
1 1/2" - 40-41mm	30040080	£2.30	30040094	£2.30
1.5/8" - 42-48mm	30040081	£2.40	30040095	£2.40
2" - 50mm	30040082	£2.50	30040096	£2.50
2.1/8" - 53-58mm	30040083	£2.60	30040097	£2.60

Packed in bags of 10 - Priced each



KLO-SHURE PIPE CLAMPS & FIXINGS

Klo-Shure reduces the time required to insulate copper tube.
 Allows sections of closed-cell insulation to be secured at fixing points.
 This eliminates the need to double wrap, glue and tape the insulation at strut mounted clamps.

KLO-SHURE INSULATION COUPLING

Wall Thickness	Pipe Dia	Part	Metal Clamps		NEW Plastic Clamps		
			Code	£	Part	Code	£
3/8"	1/4"	723025	30040120	£5.25	-	-	-
3/8"	3/8"	723037	30040121	£5.75	-	-	-
3/8"	1/2"	723050	30040122	£6.55	-	-	-
3/8"	5/8"	723062	30040123	£7.00	-	-	-
3/8"	3/4"	723075	30040124	£7.80	-	-	-
3/8"	7/8"	723087	30040125	£8.40	-	-	-
3/8"	1"	723100	30040126	£9.40	-	-	-
3/8"	1 1/8"	723112	30040127	£9.95	-	-	-
3/8"	1 3/8"	723137	30040128	£11.20	-	-	-
3/8"	1 5/8"	723162	30040129	£15.60	-	-	-
3/8"	2 1/8"	723212	30040130	£17.70	-	-	-
1/2"	3/8"	724037	30040131	£7.00	-	-	-
1/2"	1/2"	724050	30040132	£7.50	824050	30040153	£2.95
1/2"	5/8"	724062	30040133	£8.40	824062	30040154	£3.45
1/2"	3/4"	724075	30040134	£9.40	-	-	-
1/2"	7/8"	724087	30040135	£9.95	824087	30040155	£3.95
1/2"	1"	724100	30040136	£10.50	-	-	-
1/2"	1 1/8"	724112	30040137	£11.20	824112	30040156	£4.65
1/2"	1 3/8"	724137	30040138	£15.60	824137	30040157	£5.60
1/2"	1 5/8"	724162	30040139	£16.75	824162	30040158	£5.90
1/2"	2 1/8"	724212	30040140	£22.05	824212	30040159	£7.80
1/2"	2 5/8"	724262	30040141	£29.35	-	-	-
3/4"	1/4"	726025	30040142	£9.40	-	-	-
3/4"	3/8"	726037	30040143	£9.95	-	-	-
3/4"	1/2"	726050	30040144	£10.50	-	-	-
3/4"	5/8"	726062	30040145	£11.20	826062	30040160	£4.65
3/4"	3/4"	726075	30040146	£13.50	-	-	-
3/4"	7/8"	726087	30040147	£15.50	826087	30040161	£5.60
3/4"	1 1/8"	726112	30040148	£16.75	826112	30040162	£5.90
3/4"	1 3/8"	726137	30040149	£17.70	826137	30040163	£6.85
3/4"	1 5/8"	726162	30040150	£22.05	-	-	-
3/4"	2 1/8"	726212	30040151	£29.35	-	-	-
3/4"	2 5/8"	726262	30040152	£30.70	-	-	-

REFRIGERANTS

Nitrogen
Chemical Cleaners
Oil


40

NATIONAL

advanced
engineering


DIVERSiTECH 

HCFC'S (Reclaimed R22 complies with ARI700 specification)




R22R		
Kg	Code	£
12	40010120	£1,085.36
25	40010121	£2,261.16
57	40010122	£5,155.44

HFC'S




R134a		
Kg	Code	£
12	40010006	£675.75
25	40010007	£1,407.87
57	40010008	£3,209.83




R404A		
Kg	Code	£
9	40010011	£489.53
20	40010012	£1,087.85
46	40010013	£2,502.06

R407A		
Kg	Code	£
9	40010066	£306.28
46	40010067	£1,565.45




R407C		
Kg	Code	£
9	40010026	£489.53
20	40010027	£1,087.85
46	40010028	£2,502.06

R407F		
Kg	Code	£
9	40010032	£513.90
20	40010033	£1,142.00
46	40010034	£2,626.60




R410A		
Kg	Code	£
9	40010041	£496.45
20	40010043	£1,103.23
46	40010042	£2,537.42


R413A / R49		
Kg	Code	£
12	40010050	£677.66



R417A / (ISCEON 59)		
Kg	Code	£
12	40010045	£681.77
46	40010046	£2,613.47




R422A		
Kg	Code	£
12	40010064	£590.99
57	40010065	£3,020.59



R422D		
Kg	Code	£
12	40010058	£719.46
57	40010059	£2,757.93

R427A		
Kg	Code	£
12	40010068	£629.01
57	40010069	£2,411.22



R507		
Kg	Code	£
9	40010036	£319.65
46	40010037	£1,633.75

All cylinders are provided to account customers on a six months free of charge loan. Following the free loan period, cylinder rental will be charged as indicated in the table below. Rental charges are non refundable. In the event of a cylinder being lost it will be charged for at the values indicated at which point rental charges will cease. Cash customers will be required to pay a deposit for each cylinder which will be subject to part credit upon its return. Refrigerant prices are subject to continual review. One months notice will be provided for any necessary adjustments.

Also available



CYLINDER CHARGES

	Monthly Rental ++		Lost Cylinder		
	Kg*	Code	Net Price £	Code	Net Price £
Small	9	40010080	£4.50	40010075	£50.00
Medium	20	40010081	£5.50	40010076	£75.00
Large	50	40010082	£7.50	40010077	£100.00

*Approx Weight ++ Applicable after six month free loan period.

RECOVERY CYLINDER CHARGES

	Kg*	Code	Net Price £
Small	9	40010070	£75.00
Medium	20	40010071	£100.00
Large	50	40010072	£130.00
Environment Agency Charge		40010079	£10.00
Incineration per Kg		40010078	£6.00



HIGH PURITY OXYGEN FREE NITROGEN

Litres	Bar	Code	£
10	230	40010100	£91.80
20	230	40010104	£135.00
50	230	40010102	£187.50

230bar REFUNDABLE CYLINDER DEPOSIT

	Code	£
Cylinder Deposit 10 Litre	40010101	£100.00
Cylinder Deposit 20 Litre	40010105	£181.25
Cylinder Deposit 50 Litre	40010103	£225.00

Please note, this is a 10L cylinder filled to 230psi. This will hold 15% more Nitrogen than a 10L cylinder filled to 200psi.

STANDARDS OF PURITY

PURITY	99.998%
MOISTURE	Less than 5 ppm
OXYGEN	Less than 5 ppm
THC	Less than 5 ppm
CARBON DIOXIDE	Less than 1 ppm
CARBON MONOXIDE	Less than 1 ppm



NITROGEN GAUGE 50 Bar

Description	Code	£
RAN22001	80010031	£299.94



PROPYLENE GLYCOL

Litres	Description	Code	£
25	Coolflow 100% inhibited Propylene Glycol	40010180	£225.00
205	Premixed to customers specification	40010181	POA
1000	Premixed to customers specification	40010182	POA

NEW

OIL & ACCESSORIES

Description	Code	£
31HE 1 Gallon Ester 3.785 Litres	40030001	£84.36
46HE 1 Gallon Ester 3.785 Litres	40030002	£76.92
68HE 1 Gallon Ester 3.785 Litres	40030004	£88.98
Suniso 3GS 4 Litres	40030010	£43.59
Suniso 4GS 4 Litres	40030012	£42.15
Suniso 3GS 20 Litres	40030014	£139.06
Suniso 4GS 20 Litres	40030015	£134.58
R/PAG 46 250ml	40030020	£15.61
R/PAG 100 250ml	40030021	£15.61
R/PAG 150 250ml	40030022	£15.61
Vacuum Pump Oil 0.95 Litre	40038001	£6.39
Vacuum Pump Oil 3.8 Litre	40038002	£22.04
Vacuum Pump Oil 5 Litre	40038003	£22.74
VOP H Oil-Charge Pump 1 Gallon	40021009	£111.60
OP5 Oil-Charge Pump 5 Gallon	40021010	£149.34
RL.22S(RL.213) 5 Litre	40030050	£61.02
RL.32S(RL.184) 5 Litre	40030051	£80.85
RL.46S(RL.411) 5 Litre	40030052	£64.80
RL.68S(RL.375) 5 Litre	40030053	£70.20
RL.100S 5 Litre	40030054	£72.45
150 Mineral Oil 1US Gallon	40030030	£25.75
300 Mineral Oil 1US Gallon	40030031	£25.98
150 Alkylbenzene Oil 1 US Gallon	40030032	£33.60
300 Alkylbenzene Oil 1 US Gallon	40030033	£39.90
32H Polyolester Oil 1 US Quart	40030034	£27.48
32H Polyolester Oil 1 US Gallon	40030035	£96.57
68H Polyolester Oil 1 US Quart	40030036	£27.48
68H Polyolester Oil 1 US Gallon	40030037	£96.57
Vacuum Pump Oil 1 US Quart	40030038	£8.85
Vacuum Pump Oil 1 US Gallon	40030039	£22.65

ACID TEST KITS

Description	Code	£
TKO Mineral Oil Acid Test Kit	40021006	£10.50
ETK Acid Test Kit	40021007	£17.52
RTK Polyol Ester Oil Retrofit Test Kit	40021008	£21.27
Acid-Away 4oz bottle	40021002	£41.40
Acid-Away2.4oz bottle P.O.E. Oil	40021003	£45.00

REFRIGERANT LABELS

75mm x 100mm self-adhesive packed in 10, **£15.50** per pack

Refrigerant	Code	Refrigerant	Code
R22	40010901	R407C	40010907
R408A	40010900	R410A	40010908
R409A	40010902	R417A	40010909
R134A	40010903	R507	40010912
R404A	40010906	-	-

Other labels available, please contact your local branch for details.



CHEMICAL CLEANERS - ADVANCED ENGINEERING

Description	Litres	Use	Code	£
HydroCoil	5	Evaporator	40020001	£50.58
HydroFoam	5	Foaming Condenser Cleaner	40020002	£56.88
Hydrox Scale Remover	5	Cooling Towers / Water Cooled Condensers	40020003	£91.98
HydroKleen	5	Condenser	40020004	£53.61
Pyrocool	250ml		40020067	£22.35
HB-30	1	Ice Machine	40020007	£15.81
HB-30	5	Ice Machine	40020017	£51.99
HB30 One shot	-	Ice Machine	40020066	£6.63
CondenCide	5	Metal Disinfectant	40020008	£54.51
DrainKleen	5	Condensate Drain	40020009	£75.60
DrainKleen One Shot	0.25	Condensate Drain	40020052	£5.85
EnviroCoil CONCENTRATE	5	Evaporator / Condenser	40020014	£51.33
Endoflush	5	Internal Coil Cleaner	40020034	£138.27
Superclean	5	Heavy Duty Condenser Cleaner	40020072	£58.68



ACCESSORIES

Description	Code	£
Low Pressure Sprayer Suitable for all Advanced Chemical Cleaners	40020011	£71.85
Hydrosprayer	40020054	£66.15



RTU

Description	Code	£
RTU Evaporator Cleaner	40020036	£17.28
RTU Bubble Up Leak Detector	40020039	£18.48
RTU Condenser Cleaner	40020040	£18.51
RTU Evaporator Cleaner & Disinfectant	40020055	£17.28
Guardian - Antimicrobial Coil Defence	80080007	£19.59



AEROSOL

Description	Use	Code	£
Grease Gobbler 400ml	Condenser Grease	40020035	£12.69
EasyFind 550ml	Bubble Up Leak Detection	40020037	£12.69
EasyClean 600ml	Evaporator / Condenser	40020038	£12.69
EasyCare 600ml	Evaporator - Clean & Disinfection	40020041	£12.99
EasyFinish 600ml	Finger Prints / Grease / General Grime	40020047	£12.69
EasyFoam 600ml	Condenser - Non Acid Foam	40020048	£12.69
EasyCoat 600ml	Condenser Protection	40020049	£12.69



STAYCLEAN & SMELLY JELLY

Description		Code	£
Stayclean Strips	6 x Small	40020062	£9.42
Stayclean Strips	6 x Large	40020063	£15.93
Stayclean Mini Tablets	20 off	40020053	£5.31
Smelly Jelly	Citrus	40020042	£9.09
Smelly Jelly	Mountain Fresh	40020043	£9.09
Smelly Jelly	Herbal	40020044	£9.09
Smelly Jelly	Floral	40020045	£9.09
Smelly Jelly	Morning	40020046	£9.09
Smelly Jelly Minis	5 Tablets	40020064	£9.09

CHEMICAL CLEANERS - NATIONAL

Description	Litres	Use	Code	£
Alka-Clean	5L	Non Acidic Condenser Cleaner	40020200	£33.27
Kleen-Brite	5L	Acid based Condenser Cleaner	40020201	£38.64
Kleen-Coil	5L	Evaporator Coil Cleaner	40020202	£34.17
Multi-Kleen	5L	Environmentally friendly Coil & Evap Cleaner	40020204	£30.42
Scale-Kleen	5L	Heavy Scale and Slime Remover	40020213	£60.96
Drain-Kleer	5L	Condensate Drain Unblocker	40020214	£46.47
Ice-Kleen	5L	Ice Machine Cleaner	40020215	£46.47
Kleen Coil Plus	5L	Anti bacterial Evaporator Coil Cleaner	40020216	£37.68



TRIGGER SPRAY

Description	Litres	Use	Code	£
Kleen Coil Plus	1L	Anti bacterial Evaporator Coil Cleaner	40020220	£11.70
Multi-Kleen	1L	Environmentally friendly Coil & Evap Cleaner	40020221	£11.70
Leak Check	1L	A/C and Refrigeration Leak Identifier	40020222	£11.70

AEROSOL

Description	Litres	Use	Code	£
Kleen Coil Plus	0.5L	Anti bacterial Evaporator Coil Cleaner	40020230	£9.75
Multi-Kleen	0.5L	Environmentally friendly Coil & Evap Cleaner	40020231	£9.75
Leak Check	0.4L	A/C and Refrigeration Leak Identifier	40020232	£9.75

COIL CLEANERS AND ACCESSORIES - DIVERSITECH

Description	Litres	Use	Code	£
Pro-Universal Granular Makes 8 litres of Condensor or Evaporator Cleaner - Just add water			40020319	£33.00
Diversiflush HVAC Flushing solvent kit 480ml		Compressor Burnouts, refrigerant retrofits & equipment upgrades	40020320	£182.16
Diversiflush HVAC Flushing solvent	480ml	as above	40020321	£104.28
Gallo Gun		Single use Drain line cleaner	40020300	£59.97
GGC-6		Pack of 6 cartridges for Gallo Gun	40020301	£24.15
GG1-A		Adapters for Gallo Gun	40020302	£16.14



LEAK DETECTION SPRAYS

Description	Code	£
Gotec Leak Detection Spray	40020100	£19.80
LT 45 Leak Detection Spray	40020101	£20.07

CLEANING ACCESSORIES

AIR CONDITIONING UNIT CLEANING COVERS

Keep working areas clean whilst servicing cassette and wall mounted air conditioners

Description	Size	Code	£
HookTite Size 1 Cassette Cover	600 x 600	40020056	£17.01
HookTite Size 2 Cassette Cover	600 x 1000	40020057	£18.15
HookTite Size 3 Cassette Cover	1000 x 1000	40020058	£19.29
TieTite Size 1 Wall Unit Cover	Up to 930mm	40020059	£13.59
TieTite Size 2 Wall Unit Cover	Up to 1100mm	40020060	£14.73



ACCESSORIES

Description	Code	£
Easwipe Cleaning Wipes (Pack 20)	40020061	£5.64



Your solution providers for air conditioning and refrigeration

Extensive stock available for collection or timed delivery from branches across the UK including:

Aberdeen, Glasgow, Gateshead, Manchester, Birmingham, Heathrow, Crayford and Fareham

kooltech

0141 883 0447

www.kooltech.co.uk



COMPRESSORS & CONDENSING UNITS

50





R134a LOW BACK PRESSURE

Compressor Model	Nominal HP	Displacement cc/rev	Motor	Electrical MRA	Details LRA	Connection Suction	internal Discharge	Oil charge(ml)	Weight Kg	Code	£
THG 1335YS 50/60	1/8	3.4	PTCSIR	0.64	9.2	1/4"	3/16"	263	7.4	50010067	£75.96
THG1346YKS	1/6	4.23	PTCSIR	0.73	9	1/4"	3/16"	263	7.3	50010069	£82.20
AE 1360YS	1/5	6.9	PTCSIR	1.17	13	1/4"	3/16"	465	10.2	50010005	£99.47
TWB1390YKS	1/3	8.6	PTCSIR	0.95	12.5	1/4"	3/16"	250	10.4	50010068	£123.56
AE 2410YS	1/3	14.17	CSIR	2.29	20	1/4"	3/16"	465	11.2	50010007	£130.67
AE 16LMY	3/8	16.1	CSR	2.5	14.8	1/4"	3/16"	487	11.8	50030006	£213.99

R134a MEDIUM TO HIGH BACK PRESSURE

Compressor Model	Nominal HP	Displacement cc/rev	Motor	Electrical MRA	Details LRA	Connection Suction	internal Discharge	Oil charge(ml)	Weight Kg	Code	£
AZ 0411YS	1/5	5.59	RSIR	1.48	12.4	1/4"	3/8"	300	7.4	50010001	£83.16
AE 4425YS	1/4	7.57	CSIR	2.09	14	1/4"	3/8"	465	9.8	50010011	£103.29
AEZ3430Y	1/4	8.85	RSIR	2.2	14	1/4"	3/16"	450	10	50052140	£270.85
AEZ4430Y	1/4	8.85	CSIR	2.2	10	1/4"	3/16"	450	10	50052141	£269.21
AEA4430YKS	1/4	8.85	CSIR	2.85	13	1/4"	3/8"	465	10.5	50010013	£105.33
AEA4440YKS	1/3	12.04	CSIR	3.86	17	1/4"	3/8"	465	11	50010014	£107.62
CAE4440YS	1/4	12.05	CSIR	3	15	5/16"	1/4"	450	11	50052143	£326.35
AEA4448YKS	1/2	14.17	CSIR	4.1	19.5	1/4"	3/8"	465	11.5	50010015	£125.28
CAJ4452Y (STUB)	3/8	15.2	CSIR	3.5	19.4	1/2"	1/4"	887	20	50052147	£539.07
CAJ4452Y (VALVE)	3/8	15.2	CSIR	3.5	19.4	1/2"SW	1/4"	887	20	50052146	£555.34
AKM 19YS (VALVE)	2/3	18.8	CSIR	4	19.5	1/2" FL	1/4"	550	17.5	50010018	£262.56
CAJ4461Y (STUB)	1/2	18.3	CSIR	4	19	1/2"	1/4"	887	20	50052148	£590.93
CAJ4461Y (VALVE)	1/2	18.3	CSIR	4	19	1/2"SW	1/4"	887	20	50052149	£609.98
AKM19YS	2/3	18.8	CSIR	4.5	19.5	1/2" FL	1/4"	540	17.5	50010018	£262.56
TYA4466YKS	2/3	18.8	CSIR	4.5	19.5	1/2" FL	1/4"	540	17.5	50010018	£262.56
AKA4476YXC	5/8	22.2	CSIR	4.6	22.7	3/8"	1/4"	503	18	50011036	£380.12
CAJ4492Y (STUB)	3/4	25.95	CSIR	5.6	26	1/2"	5/16"	887	22	50052150	£700.87
CAJ4492Y (VALVE)	3/4	25.95	CSIR	5.6	26	1/2"SW	5/16"	887	22	50052151	£719.92
AJA4492YXC	3/4	26	CSIR	6.2	32	5/8" FL	5/16"	768	20	50011000	£495.00
CAJ4511Y (STUB)	1	32.7	CSR	5.3	29	5/8"	5/16"	887	23	50052153	£793.29
CAJ4511Y (VALVE)	1	32.7	CSR	5.3	29	5/8"	5/16"	887	23	50052156	£812.29
AJA4512YXC	1	34.24	CSR	6.5	36	5/8" FL	5/16"	768	22	50011001	£515.07
AW40LZ-1C	1	39.6	CSR	4.5	32	5/8" FL	3/8"	950	27	50030007	£361.25
AW43LZ-1C	1.1/4	43.1	CSR	5.5	32	5/8" FL	3/8"	950	27	50030008	£387.70
AW54LZ-1C	1.1/2	53.1	CSR	7.9	43	5/8" FL	3/8"	946	32.6	50030009	£395.65
FH4518Y (STUB)	1.1/2	53.2	CSR	7.8	46	5/8"	1/2"	1480	32	50052154	£918.70
FH4518Y (VALVE)	1.1/2	53.2	CSR	7.8	46	5/8"SW	1/2"SW	1480	32	50052155	£977.27
FH4525Y (STUB)	2	74.25	CSR	9.83	55	5/8"	1/2"	1480	32	50052157	£1,057.47
FH4525Y (VALVE)	2	74.25	CSR	9.83	55	5/8"SW	1/2"SW	1480	32	50052158	£998.90
TAG4537Y (VALVE)	3	112.5	3PH	5.4	40	7/8"SW	5/8"SW	1960	42.5	50052161	£1,329.15
TAG4543Y (VALVE)	3 1/2	124.4	3PH	5.9	41	7/8"SW	5/8"SW	1960	44.5	50052162	£1,392.75

R404a LOW BACK PRESSURE

Compressor Model	Nominal HP	Displacement cc/rev	Motor	Electrical Details		Connection internal ø		Oil charge(ml)	Weight Kg	Code	£
				MRA	LRA	Suction	Discharge				
AE 8MG	1/4	7.55	CSIR	2.5	14	1/4"	3/16"	487	11.8	50030002	£152.72
AE22415Z	1/2	8.1	CSIR	2.18	14	1/4"	3/16"	450	11	50052093	£314.44
CAE2417Z	1/2	11.3	CSR	1.9	13.1	3/8"	1/4"	450	12.5	50052094	£418.34
CAE2424Z	1/2	15	CSR	2.5	17	3/8"	1/4"	450	13	50052098	£473.73
CAJ2428Z (STUB)	1/2	15.2	CSIR	3.3	22	1/2"	1/4"	887	21.5	50052099	£538.06
CAJ2428Z (VALVE)	1/2	15.2	CSIR	3.3	22	1/2"	1/4"	887	21.5	50052106	£557.08
AE 16LMY	3/8	16.1	CSR	2.5	14.8	1/4"	3/16"	487	11.8	50030006	£213.99
CAJ2432Z (STUB)	5/8	18.3	CSR	2.53	21	1/2"	5/16"	887	21.5	50052100	£653.81
CAJ2432Z (VALVE)	5/8	18.3	CSR	2.53	21	1/2"-SW	5/16"	887	21.5	50052101	£672.80
AKL 19ZS (STUB)	1	18.8	CSR	3.18	26	3/8"	1/4"	550	17.5	50010025	£222.29
TYA2431ZKS(STUB)	1	18.8	CSR	3.18	26	3/8"	1/4"	550	17.5	50010025	£222.29
AKL 19ZS (VALVE)	1	18.8	CSR	3.18	26	1/2" FL	1/4"	550	17.5	50010021	£238.75
TYA2431ZKS(VAL)	1	18.8	CSR	3.18	26	1/2" FL	1/4"	550	17.5	50010021	£238.75
AKL 26ZS (STUB)	1.1/2	26	CSR	5.45	34	1/2"	1/4"	550	18.5	50010022	£231.36
TYA2446ZKS(STUB)	1.1/2	26	CSR	5.45	34	1/2"	1/4"	550	18.5	50010022	£231.36
AKL 26ZS (VALVE)	1.1/2	26	CSR	5.45	34	1/2" FL	1/4"	550	18.5	50010024	£231.75
TYA2446ZKS(VAL)	1.1/2	26	CSR	5.45	34	1/2" FL	1/4"	550	18.5	50010024	£231.75
CAJ2446Z (STUB)	3/4	26.15	CSR	3.8	29	1/2"	5/16"	887	23	50052102	£746.84
CAJ2446Z (VALVE)	3/4	26.15	CSR	3.8	29	1/2"-SW	5/16"	887	23	50052103	£765.95
CAJ2464Z (STUB)	1.1/2	34.45	CSR	5.3	38	5/8"	3/8"	887	24	50052104	£792.48
CAJ2464Z (VALVE)	1.1/2	34.45	CSR	5.3	38	5/8"-SW	3/8"	887	24	50052105	£811.59
TAJ2464Z (VALVE)	1.1/3	35.45	3PH	1.9	16	5/8"-SW	3/8"	887	25	50052110	£953.63
AW40L-1C	1	39.6	CSR	4.5	32	5/8" FL	3/8"	950	27	50030007	£361.25
AW43L-1C	1.1/4	43.1	CSR	5.5	32	5/8" FL	3/8"	950	27	50030008	£387.70
AW54L-1C	1.1/2	53.1	CSR	7.9	43	5/8" FL	3/8"	946	32.6	50030009	£395.65
FH2480Z (STUB)	2	53.2	CSR	7.7	68	5/8"	1/2"	1625	37	50052107	£1,023.27
FH2480Z (VALVE)	2	53.2	CSR	7.7	68	5/8"-SW	1/2"-SW	1625	37	50052108	£1,081.84
TFH2480 (STUB)	2	53.2	3PH	2.7	23	5/8"	1/2"	1625	37	50052115	£986.23
TFH2480 (VALVE)	2	53.2	3PH	2.7	23	5/8"-SW	1/2"-SW	1625	37	50052116	£1,045.17
FH2511Z (VALVE)	3	74.25	CSR	11.5	81	5/8"-SW	1/2"-SW	1625	34.2	50052109	£1,111.99
TFH2511Z (VALVE)	3	74.25	3PH	3.4	28	5/8"-SW	1/2"-SW	1960	34.2	50052117	£1,075.04
TAG2516Z (VALVE)	5	112.5	3PH	4.64	45	7/8"-SW	5/8"-SW	1960	44	50052118	£1,493.73
TAG2522Z (VALVE)	6	134.8	3PH	6.1	63	1.1/8"-SW	5/8"-SW	1960	47.5	50052119	£1,621.68

R404a MEDIUM TO HIGH BACK PRESSURE

Compressor Model	Nominal HP	Displacement cc/rev	Motor	Electrical Details		Connection internal ø		Oil charge(ml)	Weight Kg	Code	£
				MRA	LRA	Suction	Discharge				
AE 6MHG	1/5	5.51	CSIR	2.2	14	1/4"	3/16"	587	9	50030001	£115.54
AE 8MG	1/4	7.55	CSIR	2.5	14	1/4"	3/16"	487	11.8	50030002	£157.72
AE 9MG	1/3	8.88	CSIR	2.9	14.5	1/4"	3/16"	487	11.8	50030003	£167.70
AE 12MG	3/8	12.01	CSR	2.5	14.8	1/4"	3/16"	487	11.8	50030004	£194.24
AE 14MG	1/2	14.14	CSR	2.9	15.2	1/4"	3/16"	487	11.8	50030005	£221.42
CAJ9510Z (STUB)	1	18.3	CSR	5.2	29	5/8"	5/16"	887	23	50052163	£766.67
CAJ9510Z (VALVE)	1	18.3	CSR	5.2	29	5/8"-SW	5/16"	887	23	50052164	£785.69
AKM 19ZS (STUB)	1	18.8	CSR	6.2	28	3/8"	1/4"	550	18.7	50010037	£214.93
TYA9456ZKS (STUB)	1	18.8	CSR	6.2	28	3/8"	1/4"	550	18.7	50010037	£214.93
AKM 19ZS (VALVE)	1	18.8	CSR	6.2	28	1/2" FL	1/4"	550	18.7	50010038	£224.53
TYA9456ZKS (VAL)	1	18.8	CSR	6.2	28	1/2" FL	1/4"	550	18.7	50010038	£224.53

R404a MEDIUM TO HIGH BACK PRESSURE CONTINUED

Compressor Model	Nominal HP	Displacement cc/rev	Motor	Electrical Details MRA	LRA	Connection Suction	internal ø Discharge	Oil charge(ml)	Weight Kg	Code	£
AKM22ZS (VALVE)	1.1/4	22.3	CSR	5.8	33	1/2" FL	1/4"	550	19.3	50010041	£232.80
TYA9472ZKS (VAL)	1.1/4	22.3	CSR	5.8	33	1/2" FL	1/4"	550	19.3	50010041	£232.80
CAJ4517Z (STUB)	1.1/4	25.95	CSR	7.1	32	5/8"	3/8"	887	24	50052167	£828.48
CAJ4517Z (VALVE)	1.1/4	25.95	CSR	7.1	32	5/8"SW	3/8"	887	24	50052168	£847.50
AKM26ZS (STUB)	1 1/2	26	CSR	6.58	36	3/8"	1/4"	550	19.3	50010039	£227.76
TYA9486ZKS (STUB)	1 1/2	26	CSR	6.58	36	3/8"	1/4"	550	19.3	50010039	£227.76
AKM26ZS (VALVE)	1 1/2	26	CSR	6.58	36	1/2" FL	1/4"	550	19.3	50010040	£227.76
TYA9486ZKS (VAL)	1 1/2	26	CSR	6.58	36	1/2" FL	1/4"	550	19.3	50010040	£227.76
WJ31MHG-1	1 1/4	30.5	CSR	8.08	40	5/8"SW	3/8"	950	24	50030017	£375.42
CAJ4519Z (STUB)	1.1/2	34.45	CSR	9.9	31	5/8"	3/8"	887	24	50052999	£880.22
CAJ4519Z (VALVE)	1.1/2	34.45	CSR	9.9	31	5/8"SW	3/8"	887	24	50052169	£899.30
TAJ4519Z (STUB)	1.1/2	34.45	3PH	4	22	5/8"SW	3/8"	887	23	50052170	£918.01
AW38MG *	1 1/2	37.5	CSR	7.14	45	*5/8"	1/2"	950	28.2	50030013	£429.99
FH4522Z (TUBES)	1.3/4	39.95	CSR	9.7	46	5/8"	1/2"	1480	32	50052171	£964.35
FH4522Z (VALVE)	1.3/4	39.95	CSR	9.7	46	5/8"SW	1/2"SW	1480	32	50052172	£1,022.92
AW43MHG *	2	43.1	CSR	9.63	46	*5/8"	1/2"	950	28.2	50030014	£465.45
FH4524Z (STUB)	2	43.5	CSR	10.7	49	5/8"	1/2"	1480	34	50052173	£997.71
FH4524Z (VALVE)	2	43.5	CSR	10.7	49	5/8"SW	1/2"SW	1480	34	50052174	£1,056.34
AW54MHG *	2 1/2	53.5	CSR	13	82	*5/8"	1/2"	950	29.8	50030015	£379.20
FH4531Z (STUB)	2 1/2	56.65	CSR	14.1	66	7/8"	1/2"	1480	36	50052175	£1,064.26
FH4531Z (VALVE)	2 1/2	56.65	CSR	14.1	66	7/8"SW	1/2"SW	1480	36	50052176	£1,134.68
FH4540Z (VALVE)	3	74.25	CSR	19.8	88	7/8"SW	1/2"SW	1480	36.4	50052177	£1,183.91
TFH4540Z (VALVE)	3	74.25	3PH	7.52	44	7/8"SW	1/2"SW	1480	33	50052178	£1,067.55
TAG4546Z (VALVE)	4	90.2	3PH	8	44	7/8"SW	5/8"SW	1960	44	50052179	£1,341.35
TAG4553Z (STUB)	4	100.7	3PH	9	48	7/8"	5/8"	1960	45	50011063	£657.82
TAG4561Z (STUB)	5	112.5	3PH	10	55	1 1/8"	5/8"	1960	45	50011064	£699.45
TAG4568Z (STUB)	6	124.4	3PH	11.8	59	1 1/8"	5/8"	1960	47	50011065	£737.69
TAG4573Z (VALVE)	6 1/2	134.8	3PH	13.2	61	1.1/8"SW	5/8"SW	1960	48	50052183	£1,671.70

* 5/8" Sweat suction rotolock valve sold separately, code: 50010100

AIR CONDITIONING / HEAT-PUMP APPLICATIONS R407C

Compressor Model	Nominal HP	Displacement cc/rev	Motor	Electrical Details MRA	LRA	Connection Suction	internal ø Discharge	Oil charge(ml)	Weight Kg	Code	£
AJ5512C	1	21.75	PSC	5.9	27.8	3/8"	1/4"	887	20	50052122	£528.37
AJ5515C	1 1/4	25.95	PSC	7.26	36	1/2"	5/16"	887	21	50052124	£565.38
AJ5519C	1 5/8	34.45	PSC	9.9	50	1/2"	5/16"	887	23	50052126	£630.80
RG45510C	1	14.25	PSC	3.56	18.9	1/2"	5/16"	290	11.3	50052192	£736.50
RK5513W	1 1/4	18.1	PSC	7.5	23	1/2"	5/16"	444	12.9	50052193	£512.91
RK5515W	1 1/2	21.4	PSC	8.8	28	5/8"	5/16"	444	14.1	50052194	£538.49
RK5518W	1 5/8	24.4	PSC	12.2	33	5/8"	5/16"	444	13.8	50052195	£571.19

AIR CONDITIONING / HEAT-PUMP APPLICATIONS R22

Compressor Model	Nominal HP	Displacement cc/rev	Motor	Electrical Details MRA	LRA	Connection Suction	internal ø Discharge	Oil charge(ml)	Weight Kg	Code	£
RK5510E		14.6	PSC	3.5	21	1/2"	5/16"	422	12.3	50050195	£182.40
AKA5510EXC	3/4	18.6	PSC	5.2	25.6	3/8"	1/4"	503	15.5	50011005	£255.68
AKA5512EXC	1	22.3	PSC	6	31	3/8"	1/4"	503	16.8	50011030	£286.69
AJB5515EXC	1 1/4	26.13	CSR	8	39	3/8"	5/16"	768	23	50011004	£360.83
AJA5518EXC	1 1/2	32.66	CSR	9.4	51	3/8"	5/16"	768	23	50011002	£390.06
AJA5519EXC	1 1/2	34.24	CSR	10.9	54	3/8"	5/16"	768	23	50011003	£435.15
AWG5524EVA	2	43.1	PSC	9.4	54	5/8"	3/8"	1124	28	50011010	£337.86
AWG5532EVA	2 1/2	53.5	PSC	12.7	83	5/8"	3/8"	1124	30	50011014	£387.48

CAPACITY TABLES - LOW BACK PRESSURE 220V 1PH 50HZ

Model	Refrigerant	CAPACITY WATTS									
			-35	-30	-25	-20	-15	-10	-5	0	5
THG1335YS	R134a		36	59	84	113	148	185			
THG1346YKS			46	75	106	143	188	235			
AE 1360YS			69	102	143	195	257	323			
TWB1390YKS			112	165	220	286	364	444			
AE 2410YS			120	179	250	339	447	563			
AE 16LMY				220	310	420	540	680	840	1030	1260
AW40LZ-1C						740	1090	1480	1970	2500	3050
AW43LZ-1C						840	1240	1690	2240	2850	3480
AW54LZ-1C				510	860	1200	1690	2200	2830	3610	4500
AE 8MG		R404A		137	210	295	385	490			
AEZ241SZ			160	231	355	429	560	712			
CAE2417Z			161	280	460	557	716	891			
CAE2424Z			291	413	630	759	990	1266			
CAJ2428Z			240	376	606	72	991	1269			
AE 16LMY			330	465	620	810	1025				
CAJ2432Z			310	478	765	935	1247	1593			
AKL 19ZS			384	536	713	933	1201	1492			
AKL 26ZS			591	825	1098	1436	1848	2298			
CAJ2446Z			546	799	1194	1443	1848	2322			
J2212GK			464	700	1013	1407	1883	2443	3090		
AW40LZ-1C			712	929	1146	1413	1743	2149			
CAJ2464Z			760	1096	1605	1887	2412	3030			
AW43LZ-1C			798	1009	1220	1475	1784	2157			
AW54LZ-1C			886	1257	1628	2110	2733	3541			
T/FH2511Z			1380	2016	2055	3796	4931	6303			
TAG2516Z			1765	2704	2883	5335	7043	9638			
TAG2522Z		2395	3542	3673	6688	8711	11062				

CAPACITY TABLES - MEDIUM / HIGH BACK PRESSURE 220V 1PH 50HZ

Model	Refrigerant	CAPACITY WATTS									
			-25	-20	-15	-10	-5	0	5	10	15
AZ 0411YS	R134a			144	192	246	320	413	506	614	
AE 4425YS					221	294	383	498	619	757	
AE 4430YS					262	348	453	589	733	896	
CAE4440Y					310	421	561	731	852	964	1413
AE 4440YS					346	460	600	780	970	1186	
AE4448YS					404	537	699	910	1132	1383	
CAJ4452Y					370	528	724	957	1125	1276	1879
CAJ4461Y					475	642	856	1115	1569	1689	2168
TYA4466YKS				428	604	803	1029	1290	1559	1846	
AKA4476YXC							957	1388	1569	1964	
CAJ4492Y					584	871	1215	1617	1902	2154	3164
AJA4492YXC							1122	1623	1832	2311	
CAJ4511Y					878	1227	1654	2160	2516	2842	4148
AJA4512YXC							1551	2262	2552	3172	
FH4518Y					1036	1650	2371	3200	3792	4300	6333

CAPACITY TABLES - MEDIUM / HIGH BACK PRESSURE 220V 1PH 50HZ

Model	Refrigerant	CAPACITY WATTS										
		-30	-25	-20	-15	-10	-5	0	5	10	15	
AE 6MHG	R404A				270	325	400	490	590	705		
AE 8MG					360	465	580	720	870			
AE 9MG					460	565	705	860	1030			
AE 12MG					665	820	1020	1220	1440			
AE 14MG					790	995	1230	1490	1800			
AKM 19ZS				615	863	1151	1479	1854	2242	2651		
CAJ9510Z			448	650	878	1151	1476	1866	2264	2537	3628	
AKM 22ZS				760	1099	1476	1830	2040	2254	3088		
CAJ4517Z					1191	1614	2104	2677	3249	3631	5158	
AKM26ZS					1302	1750	2177	2423	2668	3679		
WJ31MHG				1337	1718	2177	2714	3328	4019	4786		
CAJ4519Z					1592	2121	2739	3468	4201	4697	6683	
AW38MG					1685	2239	2860	3620	4519			
FH4522Z					1541	2240	3038	3947	4501	5093	7459	
FH4524Z					1835	2570	3407	4361	4927	5562	8101	
AW43MHG					2097	2799	3600	4469	5490	6760		
FH4531Z					2382	3300	4419	5706	6440	7196	10222	
AW54MHG					2612	3540	4508	5710	7109	8710		
420V 3PH 50HZ												
TAG4540Z		R404A				2948	4023	5263	6716	8082	10423	12764
TAG4546Z					2733	3976	5497	7363	9326	12653	15980	
TAG4553Z					3461	4922	6752	8958	11630	14627	17880	
TAG4561Z					4363	5895	7942	10452	13452	16730	20227	
TAG4568Z					5322	7077	9294	11972	15211	18834	22760	

CAPACITY TABLES - AIR-CONDITIONING

Model	Refrigerant	CAPACITY WATTS							
		-15	-10	-5	0	5	10	15	
RK5510E	R407C		1280	1589	1938	2139	2752		
AKA5510EXC			922	1298	1666	2161	2722	3337	
AKA5512EXC			1254	1662	2029	2599	3225	3896	
AJB5515EXC			1680	2169	3221	4010	4861		
AJA5518EXC			2204	2771	3928	4958	5990	7022	
AJA5519EXC			2313	2894	4027	5154	6269	7377	
AWG5520EVA			1685	2239	2860	3620	4519		
AWG5524EVA			2097	2799	3600	4469	5490	6760	
AWG5532EVA			2612	3540	4508	5710	7109	8710	
AJ5512C				812	1175	1624	2429	2795	
AJ5515C				1163	1617	2180	3170	3607	
AJ5519C				1649	2262	2995	4247	4794	
RG45510C				968	1233	1564	2145	2400	
RK5513W				1305	1616	2003	2660	2936	
RK5515W			1590	1970	2441	3240	3579		
RK5518W			1829	2261	2798	3710	4095		

STANDARD HERMETIC CONDENSING UNITS

- R404A & R134A 210w to 15.5Kw
- Low / Medium / High Back Pressure

Optional extras include Fan Speed Control and Oil Separator, see accessories overleaf.



LOW BACK PRESSURE

Model	Nominal HP	Displacement cc/rev	Refrigerant	Motor	Electrical Details		Connections		Weight Kg	Code	£
					MRA	LRA	Suction	Liquid			
CEL16Z	3/8	16.1	R404A/R134a	1ph	3.05	15.35	3/8"	3/8"	24	50500001	£534.00
KL19Z	1	18.8	R404A	1ph	3.73	26.55	1/2"	3/8"	30	50500002	£561.00
KL26Z	1.1/2	26	R404A	1ph	5.59	34.55	1/2"	3/8"	34	50500003	£555.00
WL40Z	1	39.6	R404A	1ph	5.05	32.55	5/8"	1/2"	58	50500011	£1,185.00
WL43Z	1.1/4	43.1	R404A	1ph	6.05	32.55	5/8"	1/2"	58	50500012	£1,080.00
WL54Z	1.1/2	53.1	R404A	1ph	8.45	43.55	5/8"	1/2"	61	50500006	£1,266.00

MEDIUM/HIGH BACK PRESSURE

Model	Nominal HP	Displacement cc/rev	Refrigerant	Motor	Electrical Details		Connections		Weight Kg	Code	£
					MRA	LRA	Suction	Liquid			
ZM6Y	1/5	5.59	R134a	1ph	1.69	12.61	3/8"	1/4"	14	50500100	£183.00
CEM9Y	1/4	8.85	R134a	1ph	2.56	13.21	3/8"	3/8"	19	50500101	£324.00
CEM12Y	1/3	12.04	R134a	1ph	4.44	17.55	3/8"	3/8"	22	50500102	£393.00
CEM14Y	1/3	14.2	R134a	1ph	4.65	20.05	3/8"	3/8"	23	50500103	£423.00
KM 19Y	2/3	18.8	R134a	1ph	4.55	20.05	1/2"	3/8"	29	50500104	£582.00
JM 26Y	3/4	26	R134a	1ph	6.75	32.55	1/2"	3/8"	34	50500105	£816.00
JM 34Y	1	34.24	R134a	1ph	7.28	36.78	1/2"	3/8"	36	50500106	£873.00
CEM6Z	1/5	5.51	R404A/R407C	1ph	2.41	14.21	3/8"	3/8"	19	50500200	£336.00
CEM8Z	1/4	7.55	R404A/R407C	1ph	2.71	14.21	3/8"	3/8"	19	50500201	£378.00
CEM9Z	1/3	8.88	R404A/R407C	1ph	3.45	15.05	3/8"	3/8"	22	50500202	£453.00
CEM12Z	3/8	12.01	R404A/R407C	1ph	3.05	15.35	3/8"	3/8"	24	50500203	£480.00
CEM14Z	1/2	14.14	R404A	1ph	3.45	15.75	3/8"	3/8"	23	50500204	£555.00
KC19Z	1	18.8	R404A	1ph	6.98	30.34	1/2"	3/8"	33	50500212	£588.00
KM22Z	1.1/4	22.3	R404A	1ph	6.58	33.78	1/2"	3/8"	34	50500206	£594.00
KC26Z	1 1/2	26	R404A	1ph	6.86	36.3	1/2"	3/8"	43	50500207	£747.00
KC26Z-TC	1 1/2	26	R404A	1ph	7.42	36.86	1/2"	3/8"	43	50500208	£594.00
JM31Z	1.1/2	30.5	R404A	1ph	8.63	41.65	5/8"	1/2"	48	50500213	£801.00
WM38Z	1 1/2	37.5	R404A	1ph	8.75	51.55	5/8"	1/2"	56	50500209	£1,254.00
WM43Z	2	43.1	R404A	1ph	9.95	54.55	5/8"	1/2"	59	50500210	£1,227.00
WM54Z	2 1/2	53.5	R404A	1ph	13.43	73.73	5/8"	1/2"	70	50500211	£1,512.00
TGM100Z	4.1/2	100.7	R404A	3ph	10.42	52.26	7/8"	5/8"	106	50500300	£2,196.00
TGM113Z	5	112.5	R404A	3ph	11.42	59.26	1.1/8"	5/8"	106	50500301	£2,205.00

CAPACITY TABLES

Model	Refrigerant	Capacity Watts at Ambient 32°C												
		-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	
ZM6Y	R134a							210	270	345	425	530	640	
CEM9Y							330	420	520	630	720	860	1000	
CEM12Y							440	560	700	850	1000	1150	1350	
CEM14Y							510	650	810	985	1160	1335	1565	
CEL16Z				275	370	495	635	805	990	1210	1450			
KM 19Y							700	865	1050	1250	1450	1700	1940	
JM 26Y					585	750	920	1150	1420	1670	2000	2400	2800	
JM 34Y					700	1000	1230	1540	1850	2200	2600	3080	3600	
WL54Z					510	860	1200	1690	2200	2830	3610	4500		
CEL16Z			310	410	530	650	820	980						
KL19Z		370	500	640	780	970	1160							
KL26Z		460	605	800	1000	1220	1450							
WL40Z		917	1150	1374	1639	1947	2291							
WL43Z		1002	1228	1446	1698	1990	2343							
WL54Z		1191	1609	2007	2485	2976	3793							
CEM6Z					175	215	270	340	415	500	595			
CEM8Z		125	170	225	280	340	410	495	522	620	700			
CEM9Z					335	400	500	610	740	875	1020			
CEM12Z					385	485	620	780	945	1120	1310			
CEM14Z					460	590	745	925	1120	1325	1545			
KC19Z	R404A						999	1284	1550	1699	1848	2447		
KM22Z					630	810	1100	1476	1830	2040	2254			
KC26Z								1512	1949	2345	2567	2790	3701	
KC26Z-TC								1553	1992	2401	2641	2882	3816	
JM31Z						1563	1975	2464	3022	3630	4274	4937		
WM38Z							2130	2650	3220	3810	4300	5000		
WM43Z								2450	3050	3700	4375	5200	5900	
WM54Z								3349	4218	5175	6236	7421	9540	
TGM100Z						4008	5249	6615	8062	9705	11350	13082	14894	
TGM113Z							4553	5740	7302	8816	10435	12106	13738	15517

ACCESSORIES													
Model	Housing	Drier & Sight glass	Isolator 4pole	HP/LP (Auto/Auto)	Crankcase Heater	HP/LP (Man/Auto)	Fan Speed control	Oil Sep	HP (Auto)	LP (Auto)			
ZM6Y	90010305	50507964	50507956	50507955	50507975	50507958	50023161 or 50023436	50507967	50507954	50507957			
CEM6Z													
CEM8Z													
CEM9Y													
CEM9Z													
CEM12Y													
CEM12Z		50507965											
CEM14Y													
CEL16Z													
KL19Z													
CEM14Z		90010306			50507965			50507976			50507976	HP/LP AUTO/AUTO Fitted as standard	50507983
KM19Y													
KM18Z													
KC19Z													
JM26Y													
KL26Z													
KM22Z													
KC26Z													
JL34Z													
KC26Z-TC													
JM31Z	90010305												
JM34Y													
WL40Z		90010306											
WL43Z													
WL54Z													
WM38Z													
WM43Z	50023422												
WM54Z													

ACCESSORIES										
Model	Housing	Drier & Sight glass	Isolator	HP/LP (Auto/Auto)	Crankcase Heater	HP (Auto)	Fan Speed control	Oil Sep	Oil sep heater	LP (Auto)
TGM100Z	50023424	50023263	50522068	HP/LP AUTO/AUTO Fitted as standard	Crankcase Heater Fitted as standard	50507971	50023161 or 50023436	50508009	50023246	50507974
TGM113Z										

DRESSED HOUSED HERMETIC CONDENSING UNITS

- R404A & R134A 310w to 7.25Kw
- Low / Medium / High Back Pressure
- Plastisol Zintec Steel Housing - Galvatite Base Plate
- Isolator
- Fused Unit
- Drier and Sight Glass
- Crankcase Heater
- HP / LP Switch
- Fitted Suction Line
- Optional extras include Fan Speed Control and Oil Separator



LOW BACK PRESSURE

Model	Nominal HP	Displacement cc/rev	Refrigerant	Motor	Electrical Details		Connections		Weight Kg	Code	£
					MRA	LRA	Suction	Liquid			
KHU16Z	3/8	16.1	R404A	1PH	3.05	15.35	3/8"	3/8"	24	50501000	£939.00
KHU19LZ	1	18.8	R404A	1PH	3.73	26.55	1/2"	3/8"	30	50501001	£957.00
KHU26LZ	1.1/2	26	R404A	1PH	5.59	34.55	1/2"	3/8"	54	50501002	£996.00

MEDIUM/HIGH BACK PRESSURE

Model	Nominal HP	Displacement cc/rev	Refrigerant	Motor	Electrical Details		Connections		Weight Kg	Code	£
					MRA	LRA	Suction	Liquid			
KHU12Y	1/3	12.04	R134a	1PH	4.44	17.55	3/8"	3/8"	22	50501100	£825.00
KHU14Y	1/3	14.2	R134a	1PH	4.65	20.05	3/8"	3/8"	43	50501101	£852.00
KHU19Y	2/3	18.8	R134a	1PH	4.55	20.05	1/2"	3/8"	49	50501102	£981.00
KHU26Y	3/4	26	R134a	1PH	6.75	32.55	1/2"	3/8"	54	50501103	£1,242.00
KHU34Y	1	34.24	R134a	1PH	7.28	36.78	1/2"	3/8"	56	50501104	£1,272.00
KHU9Z	1/3	8.88	R404A	1PH	3.45	15.05	3/8"	3/8"	42	50501200	£894.00
KHU12Z	3/8	12.01	R404A	1PH	3.05	15.35	3/8"	3/8"	44	50501201	£933.00
KHU14Z	1/2	14.14	R404A	1PH	3.45	15.75	3/8"	3/8"	44	50501202	£960.00

CAPACITY TABLES

Model	Refrigerant	Capacity Watts at Ambient 32°C												
		-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	
KHU12Y	R134a							440	560	700	850	1000	1150	1350
KHU14Y								510	650	810	985	1160	1335	1565
KHU19Y								700	865	1050	1250	1450	1700	1940
KHU26Y					585	750	920	1150	1420	1670	2000	2400	2800	
KHU34Y					700	1000	1230	1540	1850	2200	2600	3080	3600	
KHU16LZ			310	410	530	650	820	980						
KHU19LZ			370	500	640	780	970	1160						
KHU26LZ			460	605	800	1000	1220	1450						
KHU9Z		R404A				335	400	500	610	740	875	1020		
KHU12Z						385	485	620	780	945	1120	1310		
KHU14Z					460	590	745	925	1120	1325	1545			

SLIMLINE HERMETIC CONDENSING UNITS

- R404A & R134A 590w to 7.2Kw
- Low / Medium / High Back Pressure
- Plastisol Leather Finish Zintec Steel Housing - Galvatite Base Plate
- Isolator
- Fused Unit
- Drier and Sight Glass
- Crankcase Heater
- HP / LP Switch
- Extended Copper Connection Stubs
- Optional extras include Fan Speed Control and Oil Separator



LOW BACK PRESSURE

Model	Nominal HP	Displacement cc/rev	Refrigerant	Motor	Electrical Details		Connections		Weight Kg	Code	£
					MRA	LRA	Suction	Liquid			
KTL40Z	1	39.6	R404A/R134a	1PH	5.05	32.55	5/8"	3/8"	80	50501350	£1,332.00
KTL43Z	1.1/4	43.1	R404A/R134a	1PH	6.05	32.55	5/8"	3/8"	80	50501351	£1,458.00
KTL54Z	1.1/2	53.1	R404A/R134a	1PH	8.45	43.55	5/8"	3/8"	80	50501352	£1,533.00

MEDIUM/HIGH BACK PRESSURE

Model	Nominal HP	Displacement cc/rev	Refrigerant	Motor	Electrical Details		Connections		Weight Kg	Code	£
					MRA	LRA	Suction	Liquid			
KTC19Z	1	18.8	R404A	1PH	6.98	26.78	1/2"	3/8"	65	50501356	£1,020.00
KTC26Z	1 1/2	26	R404A	1PH	6.86	36.3	1/2"	3/8"	75	50501357	£1,251.00
KTM31Z	1 1/4	30.5	R404A	1PH	8.63	41.65	5/8"	3/8"	80	50501362	£1,404.00
KTM38Z	1.1/2	37.5	R404A	1PH	8.75	51.55	5/8"	3/8"	80	50501353	£1,470.00
KTM43Z	2	43.1	R404A	1PH	9.95	54.55	5/8"	3/8"	80	50501354	£1,485.00
KTM54Z	2.1/2	53.5	R404A	1PH	13.25	83.55	5/8"	3/8"	80	50501355	£1,809.00

CAPACITY TABLES

Model	Refrigerant	Capacity Watts at Ambient 32°C											
		-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15
KTL40Z	R134a					740	1090	1480	1970	2500	3050		
KTL43Z						840	1240	1690	2240	2850	3480		
KTL54Z				510	860	1200	1690	2200	2830	3610	4500		
KTL40Z	R404A	917	1150	1374	1639	1947	2291						
KTL43Z		1002	1228	1446	1698	1990	2343						
KTL54Z		1191	1608	2007	2485	2976	3793						
KTC19Z							1000	1299	1573	1725	1877	2481	
KTC26Z							1512	1949	2345	2567	2790	3701	
KTM31Z							1963	2454	3012	3620	4270	4937	
KTM38Z							2130	2650	3220	3810	4300	5000	
KTM43Z							2450	3050	3700	4375	5200	5900	
KTM54Z							3318	4171	5129	6175	7348	9426	

SLIMLINE SCROLL CONDENSING UNITS

- R404A 1.5 Kw to 14Kw
- Low / Medium / High Back Pressure
- Plastisol Zintec Steel Housing - Galvatite Base Plate
- Isolator
- Drier and Sight Glass
- Crankcase Heater
- HP / LP Switch
- Fan Speed Control on Single Fan Models
- HP Switch on Twin Fan Models
- Oil Separator



LOW BACK PRESSURE - 380/420V 3PHASE 50HZ

Model	Nominal HP	Displacement M ³ /hr	Refrigerant	Electrical Details		Connections		Weight Kg	Code	£
				MRA	LRA	Suction	Liquid			
SL09Z	3	8	R404A	7.53	41.03	7/8"	1/2"	69.6	50502000	£3,597.00
SL11Z	3.5	9.9	R404A	8.83	47.03	7/8"	1/2"	77.6	50502001	£3,474.00
SL13Z	4	11.8	R404A	9.43	53.03	7/8"	1/2"	87.6	50502002	£3,855.00
SL15Z	5	14.5	R404A	11.73	65.03	7/8"	1/2"	93.6	50502003	£3,780.00

MEDIUM/HIGH BACK PRESSURE - 220/240V 1PHASE 50HZ

Model	Nominal HP	Displacement M ³ /hr	Refrigerant	Electrical Details		Connections		Weight Kg	Code	£
				MRA	LRA	Suction	Liquid			
SM19Z	2.5	6.8	R404A	13.83	62.03	7/8"	1/2"	71.6	50502100	£3,135.00
SM21Z	3	8.6	R404A	17.43	83.03	7/8"	1/2"	71.6	50502101	£3,300.00
SM26Z	3.5	9.9	R404A	19.83	98.03	7/8"	1/2"	72.6	50502102	£3,393.00

MEDIUM/HIGH BACK PRESSURE - 380/420V 3PHASE 50HZ

Model	Nominal HP	Displacement M ³ /hr	Refrigerant	Electrical Details		Connections		Weight Kg	Code	£
				MRA	LRA	Suction	Liquid			
SM19Z	2.5	6.8	R404A	7.53	33.03	7/8"	1/2"	72.6	50502200	£3,087.00
SM21Z	3	8.6	R404A	7.13	41.03	7/8"	1/2"	71.6	50502201	£3,132.00
SM26Z	3.5	9.9	R404A	7.93	47.03	7/8"	1/2"	72.6	50502202	£3,315.00

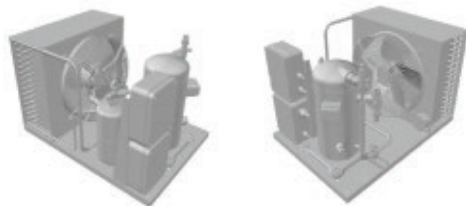
CAPACITY TABLES

Model	Refrigerant	Capacity Watts at Ambient 32°C											
		-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15
SL09Z	R404A	1540	1900	2410	2970	3480	4140	4800	5680	6500			
SL11Z		2000	2400	3000	3600	4200	5000	5800	6700	7600			
SL13Z		2200	2700	3400	4000	4800	5600	6500	7500	8500			
SL15Z		2600	3300	4000	4700	5600	6500	7400	8400				
SL18Z		3400	4200	5200	6300	7600	8900	10500	12200	13900			
SM19Z						2900	3400	4100	4800	5600	6400	7300	
SM21Z						3500	4200	5000	5900	6800	7700	8700	
SM26Z					3900	4700	5600	6400	7400	8500	9500		

STANDARD SCROLL CONDENSING UNITS

- R404A
- 1.55Kw to 16.5Kw

Optional extras include Fan Speed Control and Oil Separator, see accessories overleaf.



LOW BACK PRESSURE

Model	Displacement M ³ /hr	Compressor		Refrigerant	Motor		Connections		Weight Kg	Code	£
		MRA	LRA		Motor	Fans	Suction	Liquid			
ZF09C06M	8	6	40	R404A	3PH	0.71 1PH	7/8"	1/2"	75	50501373	£3,024.00
ZF11C06M	9.9	7	46	R404A	3PH	0.71 1PH	7/8"	1/2"	76	50501374	£3,153.00
ZF13C06M	11.8	8.23	51.5	R404A	3PH	0.71 1PH	7/8"	1/2"	87	50501375	£3,273.00
ZF15C06M	14.5	10	64	R404A	3PH	0.71 1PH	7/8"	1/2"	87	50501377	£3,219.00
ZF15C07M	14.5	11.1	67.3	R404A	3PH	1.1 1PH	7/8"	1/2"	98	50501369	£3,513.00
ZF18C07M	17.1	12	74	R404A	3PH	1.42 1PH	7/8"	5/8"	128	50501379	£3,948.00

HIGH BACK PRESSURE

Model	Displacement M ³ /hr	Compressor		Refrigerant	Motor		Connections		Weight Kg	Code	£
		MRA	LRA		Motor	Fans	Suction	Liquid			
ZB15C03M	5.9	12.8	58	R404A	1PH	0.55 1PH	7/8"	1/2"	55	50501366	£2,340.00
ZB19C06M	6.8	12.8	61	R404A	1PH	0.71 1PH	7/8"	1/2"	75	50501382	£2,577.00
ZB21C06M	8.6	16.42	82	R404A	1PH	0.71 1PH	7/8"	1/2"	77	50501368	£2,745.00
ZB26C06M	9.9	18	97	R404A	1PH	0.71 1PH	7/8"	1/2"	79	50501385	£2,805.00
ZB15C03M	5.9	4.9	26	R404A	3PH	0.55 1PH	7/8"	1/2"	55	50501370	£2,202.00
ZB19C06M	6.8	6.5	32	R404A	3PH	0.71 1PH	7/8"	1/2"	75	50501371	£2,496.00
ZB21C06M	8.6	7.2	40	R404A	3PH	0.71 1PH	7/8"	1/2"	77	50501372	£2,520.00
ZB26C06M	9.9	8.85	46	R404A	3PH	0.71 1PH	7/8"	1/2"	79	50501381	£2,724.00
ZB30C07M	11.7	10.3	49.3	R404A	3PH	1.1 1PH	7/8"	1/2"	91	50501376	£3,171.00
ZB38C08M	14.4	12.8	65.5	R404A	3PH	1.42 1PH	7/8"	1/2"	98	50501378	£3,435.00
ZB45C08M	17.1	14.52	78.26	R404A	3PH	1.42 1PH	7/8"	1/2"	100	50501367	£3,627.00

CAPACITY TABLES

Model	Refrigerant	Capacity Watts at Ambient 32°C											
		-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15
ZF09C06M	R404A	1550	1960	2430	2990	3510	4180	4860	5730	6570			
ZF11C06M		2000	2500	3000	3600	4300	5000	5900	6800	7800			
ZF13C06M		2200	2700	3400	4100	4800	5700	6600	7600	8700			
ZF15C06M		2700	3300	4000	4800	5700	6600	7600	8600	9700			
ZF15C07M		2700	3400	4200	5100	6000	7100	8300	9500	10900			
ZF18C08M		3300	4100	5000	6000	7100	8300	9600	11000	12400			
ZF15C03M					2000	2400	2900	3400	3900	4500	5100	5800	
ZF19C03M					2400	2900	3500	4100	4900	5600	6500	7400	
ZB21C06M					2900	3600	4300	5100	5900	6900	7900	8900	
ZB26C06M					3300	4000	4800	5700	6600	7600	8700	9900	
ZB30C07M					4000	4900	5800	6900	8100	9400	10800	12300	
ZB38C08M					5978	7177	8464	9859	11440	12951	14851		
ZB45C08M					6800	8200	9600	11200	12800	14600	16500		

ACCESSORIES

Condensing Unit Description	Insulated Suct. Line Code	Drier/Sight Glass Code	Crankcase heater	Oil Separator Code	Oil Separator Heater Code	Oil Return Solenoid Code	Total Isolation Code	HP/LP (Auto/Auto) Code	HP/LP (Man/Auto) Code
ZB15C03M 1PH	87449	50023254	50522070	50023223	50023250	50023246	50522068	50023339	50023314
ZB19C06M 1PH		50023254		50023224					
ZB21C06M 1PH									
ZB26C06M 1PH		50023256		50023226					
ZB15C03M 3PH							50023254		
ZB19C06M 3PH		50023256		50023226					
ZB21C06M 3PH							50023256		
ZB26C06M 3PH		50023256		50023226					
ZF09C06M							50023256		
ZF11C06M		50023256		50023226					
ZF13C06M							50023256		
ZF15C06M		50023256		50023226					
ZB30C07M							50023258		
ZF15C07M		50023258		50023226					
ZF18C07M							50023258		
ZB38C08M		50023263		50023228					
ZB45C08M							50023263		

ACCESSORIES

Condensing Unit Description	HP (Manual) Code	LP (Auto) Code	Fan Control HP (Auto) Code	Fan Control Fanspeed Code	DOL Contactor Code	Comp. Only Isolation Code
ZB15C03M 1PH	50023316	50023317	50023315	50023435	88072	50522072
ZB19C06M 1PH					88073	
ZB21C06M 1PH						88075
ZB26C06M 1PH					88074	
ZB15C03M 3PH						88075
ZB19C06M 3PH					88074	
ZB21C06M 3PH						88075
ZB26C06M 3PH					88074	
ZF09C06M						88075
ZF11C06M					88074	
ZF13C06M						88074
ZF15C06M					88074	
ZB30C07M						88078
ZF15C07M					88078	
ZF18C07M						88078
ZB38C08M					88078	
ZB45C08M						88078



FRASCOLD SEMI-HERMETIC COMPRESSORS

Model	Nominal HP	Displacement M ³ /hr	Connections Internal		Electrical Details			Oil		Weight Kg	Code	£
			Suction	Discharge	MRA	LRA(dol)	LRA(pws)	Motor	Charge (32)			
A 1 6Y	1	5.47	5/8"	1/2"	7.6	40.1		1PH	1.2L	36	50020009	£1,285.09
A 1.5 7Y	1.5	6.91	5/8"	1/2"	10.6	50.3		1PH	1.2L	36	50020011	£1,308.91
B 1.5 9Y	1.5	8.96	5/8"	1/2"	10.6	50.3		1PH	1.2L	38	50020013	£1,394.73
B 2 10Y	2	9.84	3/4"	5/8"	13	65.6		1PH	1.2L	40	50020015	£1,607.69
A 1.5 7Y	1.5	6.91	5/8"	1/2"	5.3	19.7		DOL	1.2L	36	50020038	£1,052.79
B 1.5 9Y	1.5	8.96	5/8"	1/2"	5.3	19.7		DOL	1.2L	38	50020040	£1,189.59
D 2 11Y	2	11.26	7/8"	5/8"	6.8	24.9		DOL	1.2L	45	50020043	£1,344.65
D 2 13Y	2	13.84	7/8"	5/8"	6.8	24.9		DOL	1.2L	45	50020044	£1,366.62
D 3 13Y	3	13.84	1 1/8"	5/8"	9.6	32.9		DOL	1.2L	49	50020045	£1,419.10
D 3 15Y	3	15.36	1 1/8"	5/8"	9.6	32.9		DOL	1.2L	49	50020047	£1,419.10
D 4 16Y	4	16.39	1 1/8"	3/4"	10.5	41.9		DOL	1.2L	51	50020049	£1,548.90
D 3 18Y	3	17.93	1 1/8"	5/8"	9.6	32.9		DOL	1.2L	49	50020051	£1,524.18
F 4 19Y	4	19.12	1 1/8"	3/4"	10.9	49.5		DOL	2.1L	74	50020054	£2,150.25
F 5 19Y	5	19.12	1 1/8"	3/4"	12	63.1		DOL	2.1L	76	50020055	£2,310.38
F 4 24Y	4	23.6	1 1/8"	3/4"	10.9	49.5		DOL	2.1L	74	50020056	£2,217.26
Q5 21Y	5	21.17	1 1/8"	3/4"	12.2	56.9		DOL	1.8L	74	50020031	£2,241.75
Q5 25Y	5	24.69	1 1/8"	7/8"	12.2	56.9		DOL	1.8L	76	50020024	£2,492.07
Q 7 25Y	7.5	24.69	1 3/8"	1 1/8"	17.5	91.4		DOL	1.8L	79	50020022	£2,461.47
Q 5 28Y	5	27.88	1 3/8"	7/8"	12.2	56.9		DOL	1.8L	79	50020025	£2,469.57
Q 7 28Y	7.5	27.88	1 3/8"	1 1/8"	17.5	91.4		DOL	1.8L	79	50020026	£2,657.68
S 5 33Y	5	32.8	1 3/8"	1 1/8"	12.3	55.8	36.8	PWS	3.3L	79	50020114	£2,847.14
S 7 33Y	7.5	32.8	1 3/8"	1 1/8"	17	74.6	49.2	PWS	3.3L	79	50020115	£2,958.82
S 8 42Y	7.5	41.32	1 3/8"	1 1/8"	20.3	90.3	52.7	PWS	3.3L	117	50020020	£2,996.05
S 10 39Y	10	38.25	1 3/8"	1 1/8"	21	86.1	56.8	PWS	3.3L	120	50020117	£2,885.86
S12 42Y	10	41.32	1 3/8"	1 1/8"	22.4	102.2	59.1	PWS	3.3L	120	50020021	£3,080.93
S 10 52Y	10	51.5	1 3/8"	1 1/8"	24.2	102.69	59.5	PWS	3.3L	120	50020176	£3,179.21
S 15 51Y	15	50.43	1 5/8"	1 1/8"	31	118	77.8	PWS	3.3L	126	50020119	£3,426.15
S15 52Y	15	51.5	1 5/8"	1 1/8"	31.5	117.1	74.8	PWS	3.3L	126	50020177	£3,368.32
S 15 56Y	15	56	1 5/8"	1 1/8"	31	118	77.8	PWS	3.3L	130	50020120	£3,600.62
S 20 56Y	20	56	1 5/8"	1 1/8"	37	146	96.7	PWS	3.3L	132	50020121	£3,993.69
V 15 59Y	15	58.48	1.5/8"	1.1/8"	31	118	77.8	PWS	4.5L	170	50020122	£4,922.93
V 20 59Y	20	58.48	1 5/8"	1 1/8"	37	146	96.7	PWS	4.5L	174	50020123	£5,022.70
V 15 71Y	15	70.77	1 5/8"	1 1/8"	31	118	77.8	PWS	4.5L	170	50020124	£5,022.70
V 25 71Y	25	70.77	2 1/8"	1 3/8"	45	172	113	PWS	4.5L	184	50020125	£5,229.69
V 20 84Y	20	83.81	1 5/8"	1 1/8"	37	146	96.7	PWS	4.5L	180	50020126	£5,229.69
V 30 84Y	30	83.81	2 1/8"	1 3/8"	53	185	122	PWS	4.5L	187	50020127	£5,613.00
V 25 93Y	25	93.05	2 1/8"	1.3/8"	45	172	113	PWS	4.5L	190	50020109	£5,433.69
V 32 93Y	32	93.05	2 1/8"	1.3/8"	57	205	136	PWS	4.5L	192	50020110	£5,642.17
V 25 103Y	25	102.9	2 1/8"	1.3/8"	45	172	113	PWS	4.5L	190	50020111	£5,706.20
V 35 103Y	35	102.9	2 1/8"	1.3/8"	61	225	148	PWS	4.5L	193	50020112	£5,811.92
Z 25 106Y	25	106.16	2 1/8"	1 3/8"	45	172	113	PWS	4.5L	220	50020128	£6,772.39
Z 35 106Y	35	106.16	2 1/8"	1.3/8"	61	225	148	PWS	4.5L	223	50020129	£6,976.39
Z 30 126Y	30	125.72	2 1/8"	1 3/8"	53	185	122	PWS	4.5L	229	50020130	£7,021.06
Z 40 126Y	40	125.72	2.5/8"	1.5/8"	75	263	173	PWS	4.5L	240	50020131	£7,329.31
W 40 142Y	40	141.5	2.5/8"	1.5/8"	90	300	198	PWS	8L	295	50020132	£10,015.63
Z 40 154Y	40	154.38	2.5/8"	1.5/8"	75	263	173	PWS	7.5L	240	50020133	£8,058.96
Z 50 154Y	50	154.38	2.5/8"	1.5/8"	92.5	308	203	PWS	7.5L	244	50020134	£8,245.10
W 40 168Y	40	167.6	2.5/8"	1.5/8"	90	300	198	PWS	8L	299	50020135	£10,015.63
W 50 168Y	50	167.6	3.1/8"	1.5/8"	101	314	208	PWS	8L	305	50020136	£10,219.63
W 50 187Y	50	186.1	3.1/8"	1.5/8"	101	314	208	PWS	8L	311	50020137	£10,219.63
W 60 187Y	60	186.1	3.1/8"	1.5/8"	114	366	241	PWS	8L	315	50020138	£10,632.11
W 60 206Y	60	205.8	3.1/8"	2.1/8"	114	366	241	PWS	8L	320	50020139	£10,632.11
W 70 206Y	70	205.8	3.1/8"	3.1/8"	125	475	313	PWS	8L	328	50020140	£11,251.57
W 70 228Y	70	227.77	3.1/8"	3.1/8"	125	475	313	PWS	8L	328	50020143	£11,251.57
W75 228Y	75	227.77	3.1/8"	3.1/8"	136	509	340	PWS	8L	328	50020142	£11,869.54
W 75 240Y	75	239.02	3.1/8"	3.1/8"	136	509	340	PWS	8L	328	50020144	£12,404.13
W 80 240Y	80	239.02	3.1/8"	3.1/8"	136	509	340	PWS	8L	328	50020145	£12,404.13



SEMI-HERMETIC CONDENSING UNITS

Model	Nominal HP	Displacement M ³ /hr	Connections		Electrical Details			Fans x1	Weight Kg	Code	£	
			Suction	Discharge	MRA	LRA(dol)	LRA(pws)					Motor
SA1 6AY	1	5.47	5/8"	1/2"	9.6	40.1		1PH	0.55 1ph	56	50021010	£2,004.00
SA1.5 7AY	1.5	6.91	5/8"	1/2"	11.4	50.3		1PH	0.71 1ph	63	50021012	£2,268.00
SA1.59BY	1.5	8.96	5/8"	1/2"	14.5	50.3		1PH	0.55 1ph	56	50021013	£2,124.00
SA2 10BY	2	9.84	3/4"	1/2"	15.3	65.6		1PH	0.71 1ph	65	50021014	£2,568.00
SA1.5 7AY	1.5	6.91	5/8"	1/2"	4.5	20.6		DOL	0.71 1ph	63	50021056	£1,992.00
SA1.59BY	1.5	8.96	5/8"	1/2"	5.9	26.8		DOL	0.55 1ph	56	50021057	£1,890.00
SA2 10BY	2	9.84	3/4"	1/2"	6.7	35.9		DOL	0.71 1ph	65	50021058	£2,271.00
SA2 11DY	2	11.26	7/8"	1/2"	7.1	35.9		DOL	0.71 1ph	72	50021059	£2,289.00
SA2 11D/2Y	2	11.26	7/8"	1/2"	7.1	35.9		DOL	0.55 1ph	84	50021060	£2,595.00
SA2 13DY	2	13.84	7/8"	1/2"	7.1	35.9		DOL	0.71 1ph	72	50021061	£2,310.00
SA2 13D/2Y	2	13.84	7/8"	1/2"	7.1	35.9		DOL	0.55 1ph	84	50021062	£2,613.00
SA3 13DY	3	13.84	1 1/8"	1/2"	8.8	43.7		DOL	0.71 1ph	74	50021063	£2,370.00
SA3 13D/2Y	3	13.84	1 1/8"	1/2"	8.8	43.7		DOL	0.55 1ph	92	50021064	£3,252.00
SA3 15D/Y	3	15.36	1 1/8"	1/2"	9.1	43.7		DOL	0.71 1ph	74	50021090	£2,370.00
SA3 15D/2Y	3	15.36	1 1/8"	1/2"	9.1	43.7		DOL	0.55 1ph	92	50021095	£2,670.00
SA4 16D/2Y	4	16.39	1 1/8"	5/8"	11.6	52		DOL	0.71 1ph	94	50021065	£2,877.00
SA4 16F/2Y	4	16.39	1 1/8"	5/8"	10.4	53.2		DOL	0.71 1ph	120	50021091	£3,495.00
SA3 18DY	3	17.93	1 1/8"	1/2"	10	43.7		DOL	0.71 1ph	74	50021066	£2,469.00
SA3 18D/2Y	3	17.93	1 1/8"	1/2"	10	43.7		DOL	0.55 1ph	94	50021092	£2,775.00
SA4 18D/2Y	4	17.93	1 1/8"	5/8"	12.5	52		DOL	0.71 1ph	96	50021093	£2,994.00
SA4 19F/2Y	4	19.12	1 1/8"	5/8"	9.9	53.2		DOL	0.71 1ph	120	50021094	£3,489.00
SA5 19F/2Y	5	19.12	1 1/8"	3/4"	12.2	56.9		DOL	1.1 3ph	138	50021067	£4,641.00
SA424F/2Y	4	23.6	1 1/8"	5/8"	11	53.2		DOL	0.71 1ph	119	50021068	£3,546.00
SA5 21Q/2Y	5	21.17	1 1/8"	3/4"	11.6	63.1		DOL	1.1 3ph	138	50021044	£4,584.00
SA5 25Q/2Y	5	25.21	1 1/8"	5/8"	12.7	53.1		DOL	0.71 1ph	121	50021099	£3,864.00
SA7 25Q/2Y	7.5	24.69	1 3/8"	3/4"	15.4	87.3		DOL	1.1 3ph	138	50021048	£4,830.00
SA5 28Q/2Y	5	27.88	1 3/8"	5/8"	14	63.1		DOL	0.71 1ph	121	50021045	£3,855.00
SA7 28Q/2Y	7.5	27.88	1 3/8"	3/4"	17.6	87.3		DOL	1.1 3ph	138	50021046	£5,022.00
SA5 33S/2Y	5	32.8	1 3/8"	5/8"	15.9	57.8	35.5	PWS	0.71 1ph	171	50020200	£4,353.00
SA7 33S/2Y	7.5	32.8	1 3/8"	3/4"	20.4	75	47	PWS	1.1 3ph	191	50020201	£5,484.00
SA7 39S/2Y	7.5	38.25	1 3/8"	3/4"	19.2	75	47	PWS	1.1 3ph	186	50020202	£5,526.00
SA10 39S/2Y	10	38.25	1 3/8"	7/8"	23.7	87.6	53.9	PWS	1.95 3ph	219	50020203	£5,667.00
SA8 42S/2Y	7.5	41.32	1 3/8"	3/4"	20.3	90.3	52.7	PWS	1.1 3ph	186	50020219	£5,509.00
SA12 42S/2Y	10	41.32	1 3/8"	7/8"	22.4	102.2	59.1	PWS	1.95 3ph	219	50020220	£5,862.00
SA10 51S/2Y	10	50.43	1 3/8"	3/4"	24.2	87.6	53.9	PWS	1.1 3ph	194	50020204	Discontinued
SA15 51S/2Y	15	50.43	1 5/8"	7/8"	31.5	117.1	74.8	PWS	1.95 3ph	225	50020205	£6,207.00
SA10 52S/2Y	10	51.5	1 3/8"	3/4"	24.2	102.2	59.5	PWS	1.1 3ph	194	50020221	£5,724.00
SA15 52S/2Y	15	51.5	1 5/8"	7/8"	31.5	117.1	74.8	PWS	1.95 3ph	225	50020222	£5,724.00
SA15 56S/2Y	15	56	1 5/8"	7/8"	30.7	117.1	74.8	PWS	1.95 3ph	229	50020206	£6,147.00
SA20 56S/2Y	20	56	1 5/8"	7/8"	38.4	136.2	87.5	PWS	1.95 3ph	235	50020207	£7,134.00
SA20 59V/2Y	20	58.48	1 5/8"	7/8"	35.3	136.2	87.5	PWS	1.95 3ph	253	50020208	£8,484.00
SA15 71V/2Y	15	70.77	1 5/8"	3/4"	32.2	117.1	74.8	PWS	1.1 3ph	250	50020210	£7,470.00
SA25 71V/2Y	25	70.77	2 1/8"	7/8"	43.5	202.7	104.1	PWS	1.95 3ph	281	50020209	£8,484.00
SA20 84V/2Y	20	83.81	1 5/8"	7/8"	42.6	145.2	89.9	PWS	1.95 3ph	251	50020211	£7,989.00
SA30 84V/4Y	30	83.81	2 1/8"	7/8"	49.2	186.2	118.3	PWS	1.95 3ph	349	50020212	£10,431.00
SA25 106Z/4Y	25	106.16	2 1/8"	7/8"	48.3	202.7	104.1	PWS	1.95 3ph	382	50020213	£11,562.00
SA30 126Z/4Y	30	125.72	2 1/8"	7/8"	55.7	186.2	118.3	PWS	1.95 3ph	391	50020214	£11,811.00

CAPACITY TABLES - R404A

	Capacity Watts at Ambient 32 deg C Evaporating Temperature deg C											
	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7.5
SA0.5 4AY		470	650	850	1070	1340	1610	1910	2210	2530	2880	3070
SA0.5 5AY	380	570	770	1010	1280	1570	1870	2190	2520			
SA0.7 5AY	400	600	820	1080	1370	1700	2080	2480	2910	3380		
SA0.7 6AY	410	620	840	1100	1380	1690	2010	2330				
SA1 6AY	430	660	900	1180	1500	1860	2260	2700	3150	3670	4200	
SA1 7AY	540	810	1100	1440	1820	2250	2700	3180				
SA1.5 7AY		860	1170	1540	1970	2450	3000	3620	4270	4990	5760	6160
SA1.5 9BY	690	1030	1380	1810	2250	2740	3270	3830	4420			
SA2 10BY			1680	2190	2750	3410	4110	4870	5670	6540		
SA2 11DY		1350	1830	2370	2970	3680	4420	5200	6010	6910		
SA2 11D/2Y		1400	1910	2500	3150	3920	4780	5710	6700	7840	9020	
SA2 13DY	1120	1640	2190	2820	3520	4290	5080	5930				
SA2 13D/2Y	1170	1720	2310	2990	3760	4650	5600	6640				
SA3 13DY				2770	3480	4240	5050	5910	6810	7730	8650	9030
SA3 13D/2Y				2940	3710	4610	5560	6610	7730	9000	10290	10960
SA2 15DY	1410	1960	2540	3210	3920	4690						
SA3 15DY	1280	1830	2410	3100	3820	4620	5460	6370	7340	8220		
SA4 16D/2Y				3780	4700	5750	6910	8190	9540	11010	12580	13410
SA4 16F/2Y				3760	4690	5750	6940	8240	9620	11110	12700	13540
SA3 18DY	1660	2270	2950	3690	4470	5300	6210	7110				
SA3 18D/2Y	1740	2420	3130	3960	4890	5930	7050	8250	9490			
SA4 18D/2Y				4090	5060	6200	7410	8740	10160	11720		
SA4 19F/2Y	2010	2770	3570	4520	5570	6770	8080	9500	10970	12590		
SA5 19F/2Y				4670	5840	7170	8650	10400	12210	14210	16410	17610
SA4 24F/2Y	2450	3330	4330	5500	6810	8250	9830	11530				
SA5 21Q/2Y				5140	6380	7830	9450	11270	13170	15360	17670	18880
SA5 25Q/2Y	2620	3520	4560	5730	7100	8560	10170	11930	13800			
SA7 25Q/2Y	2700	3660	4770	6040	7510	9180	11000	12980	15170			
SA5 28Q/2Y	2950	3950	5000	6240	7540	9010	10570	12180				
SA7 28Q/2Y				6160	7740	9620	11580	13740	16050	18590	21170	
SA5 33S/2Y	3160	4320	5600	6980	8470	10090						
SA7 33S/2Y				7630	9180	11330	13600	16060	18680	21610		
SA7 39S/2Y	4020	5460	7010	8820	10760	12920	15290					
SA10 39S/2Y				9360	11600	14210	17190	20360	23760	27480	31690	33790
SA8 42S/2Y	3492	5164	7105	9253	11623	14246	17041	20065	23267			
SA12 42S/2Y				8599	11074	13934	17164	20502	24685	28940	33520	
SA10 51S/2Y	4980	6850	8820	11090	13490	16160	19070					
SA15 51S/2Y				11370	14130	17450	20910	24690	26690	33150	37820	40290
SA10 52S/2Y	4768	6880	9081	11451	14018	16798	19419	23153				
SA15 52S/2Y				11915	15006	18429	22140	26198	30627	35325	40388	43047
SA15 56S/2Y	5510	7750	10170	12950	16130	19580	23290	27350	31710			
SA20 56S/2Y				13140	16290	19990	23890	28150	32650	37600	42660	
SA20 59V/2Y				13230	16470	20250	24250	28590	33160	38170	43260	46050
SA15 71V/2Y	6250	8650	11180	13920	16850	19980	23050					
SA25 71V/2Y				15270	19030	23110	27500	32240	37310	42380	47460	50120
SA20 84V/2Y	8510	11520	14770	18320	22140	26390	30900					
SA30 84V/4Y				19320	23890	29330	35030	41230	47890	55240	62800	66610
SA25 106Z/4Y	9890	13770	17850	22510	27430	32810	38530					
SA30 126Z/4Y	11600	15970	20740	25720	31080	36950						

CAPACITY TABLES - R134a

	Capacity Watts at Ambient 32 deg C Evaporating Temperature deg C							
	-20	-15	-10	-5	0	5	7.5	12.5
SA0.5 4AY	730	940	1180	1460	1780	2130	2320	2730
SA0.5 5AY	920	1170	1470	1810	2180	2590	2810	3280
SA0.7 5AY	950	1220	1540	1900	2310	2790	3040	3580
SA0.7 6AY	1050	1280	1610	1970	2370	2810	3040	3520
SA1 6 AY	1050	1340	1680	2080	2540	3040	3310	3900
SA1 7 AY	1330	1700	2130	2630	3170	3770	4100	4770
SA1.5 7 AY	1380	1780	2240	2760	3380	4070	4450	5270
SA1.5 9BY	1660	2120	2670	3260	3920	4630	5010	5820
SA2 10 BY	1900	2450	3090	3810	4640	5550	6040	7090
SA2 11DY	2100	2720	3430	4240	5140	6130	6670	7780
SA2 11 D/2Y	2170	2810	3570	4430	5410	6530	7110	8400
SA2 13 DY	2450	3180	3990	4910	5920	7030	7620	8840
SA2 13 D/2Y	2550	3310	4170	5160	6310	7560	8230	9680
SA3 13 DY	2430	3150	3980	4900	5920	7050	7650	8910
SA3 13 D/2Y	2530	3280	4150	5140	6300	7570	8240	9710
SA2 15 DY	2810	3620	4540	5560	6690	7900	8530	9890
SA3 15 DY	2750	3550	4460	5480	6600	7810	8450	9790
SA4 16 D/2Y	3060	3980	5030	6260	7640	9190	10040	11840
SA4 16 F/2Y	3260	4200	5280	6520	7960	9540	10400	12220
SA3 18 DY	3320	4280	5350	6500	7760	9100	9860	11290
SA3 18 D/2Y	3510	4530	5700	7010	8470	10090	10940	12760
SA4 18 D/2Y	3590	4630	5860	7270	8840	10560	11510	13530
SA4 19 F/2Y	3950	5000	6210	7610	9170	10900	11810	13830
SA5 19 F/2Y	4010	5120	6400	7890	9590	11520	13610	14910
SA4 24 F/2Y	4640	5880	7330	8930	10710	12660	13710	15930
SA5 21 Q/2Y	4390	5590	7010	8620	10460	12610	13740	16210
SA5 25 Q/2Y	5140	6490	8030	9780	11710	13850	14990	17440
SA7 25 Q/2Y	5300	6740	8380	10260	12460	14860	16130	18910
SA5 28 Q/2Y	5810	7290	9000	10860	12930	15190	16420	18910
SA7 28 Q/2Y	5460	7060	8900	11010	13410	16040	17470	20510
SA5 33 S/2Y	6450	8110	9950	12000	14210	16580	17810	
SA7 33 S/2Y	6670	8470	10590	13000	15700	18720	20390	23800
SA7 39 S/2Y	7860	9920	12290	14920	17840	21050	22800	26440
SA10 39 S/2Y	8100	10280	12830	15750	19080	22970	24980	29440
SA8 42 S/2Y	8612	10976	13731	16865	20448	24425	26689	31218
SA12 42 S/2Y	8075	10455	13242	16429	20084	24155	26462	31077
SA10 51S/2Y	9780	12400	15330	18610	22140	26100	28180	32450
SA15 51S/2Y	10010	12790	15950	19580	23750	28350	30880	36140
SA10 52S/2Y	10242	12896	15931	19324	23078	27198	29465	33999
SA15 52S/2Y	10437	13264	16520	20294	24541	29304	32027	37472
SA15 56S/2Y	11410	14480	18010	22050	26530	31470	34090	39710
SA20 56S/2Y	11510	14630	18200	22390	27010	32170	34970	40900
SA20 59S/2Y	11900	15250	19080	23530	28450	33920	36820	43110
SA15 71V/2Y	13260	16600	20320	24340	28720	33250	35600	
SA25 71V/2Y	13590	17300	21620	26370	31740	37640	40710	47530
SA20 84V/2Y	16040	20310	24960	30200	35980	42160	45470	52320
SA30 84V/4Y	16610	21190	26410	32370	39200	46730	50880	59610
SA25 106Z/4Y	20570	26060	32170	38860	46230	54240	58450	67200
SA30 126Z/4Y	23900	30120	37030	44550	52550	61310	65720	

CAPACITY TABLES - R407C

	Capacity Watts at Ambient 32 deg C Evaporating Temperature deg C								
	-25	-20	-15	-10	-5	0	5	7.5	12.5
SA0.5 4AY	840	1100	1400	1730	2100	2500	2920		
SA0.7 5AY	1050	1380	1760	2190	2680	3200	3790		
SA1 6AY	1150	1510	1930	2390	2920	3490	4100	4450	
SA1.5 7AY	1500	1970	2510	3160	3860	4650	5530	6000	7010
SA2 10BY	2070	2710	3430	4250	5160	6160	7250	7820	
SA2 11DY	2370	3120	3960	4900	5930	7040	8240		
SA2 11D/2Y	2480	3280	4210	5250	6420	7710	9140	9920	
SA3 13DY	2710	3540	4480	5470	6600	7760	9010	9640	
SA3 13D/2Y	2820	3700	4730	5880	7170	8580	10160	10950	12670
SA3 15DY	2970	3860	4900	5980	7150	8400	9700		
SA4 16D/2Y	3400	4510	5760	7180	8760	10490	12420	13440	
SA4 16F/2Y	3500	4640	5920	7380	9000	10790	12770	13820	16030
SA4 18D/2Y	3960	5170	6500	8020	9700	11570	13610	14680	
SA5 19F/2Y	4230	5610	7200	9010	11070	13410	15930	17330	20310
SA5 21Q/2Y	4310	5740	7370	9250	11370	13740	16380	17820	20820
SA5 25Q/2Y	5410	6940	8670	10590	12730	15010	17450		
SA7 25Q/2Y	5640	7300	9230	11390	13800	16450	19390	20930	
SA7 28Q/2Y	5940	7790	9930	12270	14900	17800	21000	22680	26130
SA7 33S/2Y	7030	9320	11780	14620	17770	21210	24960	26950	
SA10 39S/2Y	8650	11400	14560	18180	22240	26770	31660	34340	
SA12 42S/2Y		10986	14291	18012	22285	33680	32612	35416	
SA15 51S/2Y	10690	14020	17820	22100	26850	32060	37690	40710	46970
SA15 52S/2Y	14253	18008	22354	27265	32704	32704	38671	41936	
SA20 56S/2Y	12720	16480	20770	25400	30660	36450	42780	46100	53140
SA20 59S/2Y	12630	16580	21090	25920	31390	37380	43870	47440	54380
SA25 71V/2Y	14720	19170	24270	29670	35710	42300	49380	52790	
SA30 84V/4Y	18180	23790	29990	37050	44880	53450	62850	67770	78380

SEMI-HERMETIC CONDENSING UNIT ACCESSORIES

Model	Housing	Insulated Suct Line	Drier S/Glass	Oil Sep	Oil Sep Heater	Oil Ret Solenoid	Comp Only Isolation	Total Isolation	HP/LP auto / auto
SA0.5 4AY 1PH	50023421	50023318	50023254	50023221	50023250	50023246	-	50023210	50023339
SA0.5 5AY 1PH									
SA0.7 6AY 1PH									
SA0.7 5AY 1PH	50023421	50023320	50023255	50023222					
SA1 6AY 1PH									
SA1 7AY 1PH									
SA1.5 9BY 1PH	50023422	50023319	50023256	50023223					
SA1.5 7AY 1PH									
SA2 10BY 1PH									
SA2 10BY 1PH	50023321	50023321	50023256	50023224					
SA2 11DY 3PH									
SA2 13DY 3PH	50023422	50023322	50023257	50023225					
SA3 13DY 3PH									
SA2 15DY 3PH									
SA3 15DY 3PH	50023323	50023323	50023260	50023225					
SA3 18DY 3PH									
SA2 11D/2Y 3PH	50023423	50023324	50023258	50023226					
SA2 13D/2Y 3PH									
SA3 13D/2Y 3PH									
SA3 15D/2Y 3PH	50023326	50023326	50023261	50023227					
SA3 18D/2Y 3PH									
SA4 18D/2Y 3PH									
SA4 16D/2Y 3PH	50023424	50023327	50023263	50023228					
SA4 16F/2Y 3PH									
SA4 19F/2Y 3PH									
SA4 24F/2Y 3PH	50023328	50023329	50023229	50023229					
SA5 25Q/2Y 3PH									
SA5 28Q/2Y 3PH									
SA4 19F/2Y(T) 3PH	50023425	50023327	50023265	50023230					
SA5 21Q/2Y 3PH									
SA7 25Q/2Y 3PH									
SA7 28Q/2Y 3PH	50023330	50023330	50023267	50023234					
SA7 28F/2Y 3PH									
SA5 33S/2Y PWS	50023426	50023331	50023264	50023232					
SA7 33S/2Y PWS									
SA7 39S/2Y PWS									
SA10 51S/2Y PWS	50023427	50023332	50023266	50023235					
SA15 71V/2Y PWS									
SA10 39S/2Y PWS									
SA15 51S/2Y PWS	50023428	50023333	50023267	50023237					
SA15 56S/2Y PWS									
SA20 56S/2Y PWS									
SA20 59V/2Y PWS	50023336	50023333	50023268	50023231					
SA25 71V/2Y PWS									
SA20 84V/2Y PWS									
SA30 84V/4Y PWS	50023429	50023337	50023271	50023236					
SA25 106V/4Y PWS									
SA30 126Z/4Y PWS									
SA5 33S/2Y PWS	50023427	50023331	50023264	50023232					
SA7 33S/2Y PWS									
SA7 39S/2Y PWS									
SA10 51S/2Y PWS	50023428	50023332	50023266	50023235					
SA15 71V/2Y PWS									
SA10 39S/2Y PWS									
SA15 51S/2Y PWS	50023336	50023333	50023267	50023237					
SA15 56S/2Y PWS									
SA20 56S/2Y PWS									
SA20 59V/2Y PWS	50023339	50023334	50023271	50023237					
SA25 71V/2Y PWS									
SA20 84V/2Y PWS									
SA30 84V/4Y PWS	50023429	50023337	50023271	50023236					
SA25 106V/4Y PWS									
SA30 126Z/4Y PWS									
SA5 33S/2Y PWS	50023427	50023331	50023264	50023232					
SA7 33S/2Y PWS									
SA7 39S/2Y PWS									
SA10 51S/2Y PWS	50023428	50023332	50023266	50023235					
SA15 71V/2Y PWS									
SA10 39S/2Y PWS									
SA15 51S/2Y PWS	50023336	50023333	50023267	50023237					
SA15 56S/2Y PWS									
SA20 56S/2Y PWS									
SA20 59V/2Y PWS	50023339	50023334	50023271	50023237					
SA25 71V/2Y PWS									
SA20 84V/2Y PWS									
SA30 84V/4Y PWS	50023429	50023337	50023271	50023236					
SA25 106V/4Y PWS									
SA30 126Z/4Y PWS									

SEMI-HERMETIC CONDENSING UNIT ACCESSORIES

Description	Code	£
Housing	50023420	£133.98
Housing	50023421	£140.37
Housing	50023422	£189.00
Housing	50023423	£192.00
Housing	50023424	£213.00
Housing	50023425	£360.00
Housing	50023426	£240.00
Housing	50023427	£402.00
Housing	50023428	£498.00
Housing	50023429	£540.00
Capacity Control	50023143	£345.00
Capacity Control	50023144	£369.00
Capacity Control	50023146	£735.00
Drier / Sight Glass	50023149	£63.00
Fan Spd Control	50023152	£741.00
Fan Spd Control	50023161	£120.27
HP auto	50023162	£87.00
HP manual	50023163	£87.00
Total Isolation	50023190	£120.00
Comp Isolation	50023191	£195.00
Comp Isolation	50023192	£195.00
Comp Isolation	50023193	£375.00
LP auto	50023194	£69.00
HP manual	50023195	£75.00
HP/LP auto/man	50023196	£126.00
HP auto	50023197	£102.00
HP/LP auto/auto	50023198	£111.00
HP auto	50023199	£69.00
HP manual	50023200	£66.00
HP/LP auto/man	50023201	£111.00
HP/LP auto/man	50023202	£132.00
HP/LP auto/auto	50023203	£150.00
HP/LP auto/auto	50023204	£162.00
LP auto	50023205	£60.00
LP auto	50023206	£93.00
Oil Diff Switch	50023208	£12.00
Total Isolation	50023210	£60.00
Comp Isolation	50023213	£60.00
Comp Isolation	50023215	£78.00
Oil Separator	50023221	£237.00
Oil Separator	50023222	£240.00
Oil Separator	50023223	£290.82
Oil Separator	50023224	£267.00
Oil Separator	50023225	£264.00
Oil Separator	50023226	£267.00
Oil Separator	50023227	£267.00
Oil Separator	50023228	£267.00
Oil Separator	50023229	£267.00
Oil Separator	50023230	£279.00
Oil Separator	50023231	£315.00

SEMI-HERMETIC CONDENSING UNIT ACCESSORIES

Description	Code	£
Oil Separator	50023234	£309.00
Oil Separator	50023235	£372.00
Oil Separator	50023236	£330.00
Oil Separator	50023237	£342.39
Oil Separator	50023238	£399.00
Oil Separator	50023239	£378.00
Ins Suc Line	50023328	£78.00
Ins Suc Line	50023329	£87.00
Ins Suc Line	50023330	£90.00
Ins Suc Line	50023331	£120.00
Ins Suc Line	50023332	£120.00
Ins Suc Line	50023333	£120.00
Ins Suc Line	50023334	£210.00
Ins Suc Line	50023335	£291.00
Ins Suc Line	50023336	£225.00
Ins Suc Line	50023337	£291.00
Oil Ret Solenoid	50023246	£111.00
Oil Ret Solenoid	50023249	£129.00
Oil Sep Htr	50023250	£75.00
Drier / S'Glass	50023254	£51.00
Drier / S'Glass	50023255	£51.00
Drier / S'Glass	50023256	£51.00
Drier / S'Glass	50023257	£54.00
Drier / S'Glass	50023258	£54.00
Drier / S'Glass	50023260	£72.00
Drier / S'Glass	50023261	£72.00
Drier / S'Glass	50023263	£81.00
Drier / S'Glass	50023264	£66.00
Drier / S'Glass	50023265	£102.00
Drier / S'Glass	50023266	£123.00
Drier / S'Glass	50023267	£120.00
Drier / S'Glass	50023268	£129.00
Drier / S'Glass	50023271	£261.00
C'case Htr	50023279	£96.00
C'case Htr	50023280	£96.00
C'case Htr	50023281	£141.00
Unloaded Start	50023295	£408.00
Unloaded Start	50023296	£429.00
Unloaded Start	50023297	£501.00
Ins Suc Line	50023318	£36.00
Ins Suc Line	50023319	£36.00
Ins Suc Line	50023320	£36.00
Ins Suc Line	50023321	£57.00
Ins Suc Line	50023322	£48.00
Ins Suc Line	50023323	£60.00
Ins Suc Line	50023324	£51.00
Ins Suc Line	50023325	£69.00
Ins Suc Line	50023326	£69.00
Ins Suc Line	50023327	£96.00



Capacity selection data sheets available at www.kooltech.co.uk

SEMI-HERMETIC COMPRESSOR RECEIVER SETS

Model	Nominal HP	Connections		Receiver		Electrical Details			Motor	Receiver Volume	Weight Kg	Code	£
		Suction	Discharge	Inlet	Outlet	MRA	LRA(dol)	LRA(pws)					
CR2 11D.1Y	2	7/8"	5/8"	1"-14 UNF	5/8"	6.8	24.9		DOL	8L	51	50022100	£1,917.95
CR2 13D.1Y	2	7/8"	5/8"	1"-14 UNF	1/2"	6.8	24.9		DOL	8L	51	50022101	£1,917.95
CR3 13D.1Y	3	1 1/8"	5/8"	1"-14 UNF	5/8"	9.6	32.9		DOL	8L	55	50022102	£1,990.91
CR4 16D.1Y	4	1 1/8"	3/4"	1"-14 UNF	5/8"	10.5	41.9		DOL	8L	57	50022105	£2,041.54
CR3 18D.1Y	3	1 1/8"	5/8"	1"-14 UNF	5/8"	9.6	32.9		DOL	8L	55	50022106	£1,996.87
CR5 21Q.1Y	5	1 1/8"	3/4"	1 1/4"-12 UNF	3/4"	11.6	63.1		DOL	19L	90	50022146	£2,926.06
CR5 25Q.1Y	5	1 3/8"	7/8"	1"-14 UNF	5/8"	12.2	56.9		DOL	12L	88	50022116	£3,022.85
CR5 33Q.1Y	5	1 3/8"	1 1/8"	1 1/4"-12 UNF	3/4"	12.2	56.9		DOL	19L	103	50022117	£3,289.40
CR7 33Q.1Y	7.5	1 3/8"	1 1/8"	1 1/4"-12 UNF	7/8"	17.5	91.4		DOL	24L	110	50022118	£3,481.49
CR8 42SY	7.5	1 3/8"	1 1/8"	1 1/4"-12 UNF	3/4"	20.3	90.7	52.7	PWS	19L	131	50022147	£3,536.59
CR12 42SY	10	1 3/8"	1 1/8"	1 1/4"-12 UNF	7/8"	22.4	102	59.1	PWS	24L	139	50022148	£3,748.04
CR10 52SY	10	1 3/8"	1 1/8"	1 1/4"-12 UNF	7/8"	24.2	102.69	59.5	PWS	24L	139	50022149	£3,889.51
CR15 52SY	15	1 5/8"	1 1/8"	1 1/4"-12 UNF	7/8"	31.5	117.1	74.8	PWS	24L	145	50022150	£4,086.07
CR20 56SY	20	1 5/8"	1 1/8"	1 1/4"-12 UNF	7/8"	37	146	96.7	PWS	24L	151	50022131	£4,497.05
CR15 71VY	15	1 5/8"	1 1/8"	1 1/4"-12 UNF	1 1/8"	31	118	77.8	PWS	30L	195	50022133	£6,260.14
CR20 84VY	20	1 5/8"	1 1/8"	1 1/4"-12 UNF	1 1/8"	37	146	96.7	PWS	30L	195	50022135	£6,464.14
CR30 84VY	30	2 1/8"	1 3/8"	1 1/4"-12 UNF	1 1/8"	53	185	122	PWS	40L	220	50022136	£6,973.23
CR25 106ZY	25	2 1/8"	1 3/8"	1 1/4"-12 UNF	1 1/8"	45	172	113	PWS	40L	253	50022137	£8,121.50
CR35 106ZY	35	2 1/8"	1 3/8"	1 1/4"-12 UNF	1 1/8"	61	225	148	PWS	60L	267	50022138	£8,358.27
CR30 126ZY	30	2 1/8"	1 3/8"	1 1/4"-12 UNF	1 1/8"	53	185	122	PWS	40L	262	50022139	£8,365.71
CR40 126ZY	40	2 5/8"	1 5/8"	1 1/4"-12 UNF	1 1/8"	75	263	173	PWS	60L	284	50022140	£8,705.23
CR40 154ZY	40	2 5/8"	1 5/8"	1 1/4"-12 UNF	1 1/8"	75	263	173	PWS	40L	273	50022141	£9,387.23



Capacity selection data sheets available at www.kooltech.co.uk

SEMI-HERMETIC WATERCOOLED UNITS

Model	Nominal HP	Connections		Electrical Details			Motor	Weight Kg	Code	£
		Internal Suction	Discharge	MRA	LRA(dol)	LRA(pws)				
SH0.7 5AY	0.75	5/8"	1/2"	2.8	11.6		DOL	67	50022301	£2,041.54
SH1 6AY	1	5/8"	1/2"	3.5	14.5		DOL	67	50022303	£2,050.48
SH1.5 7AY	1.5	5/8"	1/2"	5.3	19.7		DOL	67	50022305	£2,068.35
SH1.5 9B.1Y	1.5	5/8"	1/2"	5.3	19.7		DOL	71	50022306	£2,107.06
SH2 11D.1Y	2	7/8"	5/8"	6.8	24.9		DOL	95	50022308	£2,622.29
SH2 13D.1Y	2	7/8"	5/8"	6.8	24.9		DOL	77	50022309	£2,555.28
SH3 13D.1Y	3	1 1/8"	5/8"	9.6	32.9		DOL	99	50022310	£2,693.77
SH4 16D.1Y	4	1 1/8"	3/4"	10.5	41.9		DOL	101	50022313	£2,753.33
SH3 18D.1Y	3	1 1/8"	5/8"	9.6	32.9		DOL	99	50022314	£2,705.68
SH4 25Q.1Y	4	1 1/8"	3/4"	10.9	49.5		DOL	124	50022319	£3,448.73
SH5 25Q.1Y	5	1 3/8"	7/8"	12.2	56.9		DOL	129	50022322	£3,792.71
SH7 28Q.1Y	7.5	1 3/8"	1 1/8"	17.5	91.4		DOL	132	50022323	£4,147.12
SH5 33Q.1Y	5	1 3/8"	1 1/8"	12.2	56.9		DOL	129	50022324	£4,199.24
SH7 33Q.1Y	7.5	1 3/8"	1 1/8"	17.5	91.4		DOL	131	50022325	£4,519.39
SH10 39SY	10	1 3/8"	1 1/8"	21	86.1	56.8	PWS	183	50022329	£5,201.39
SH10 51SY	10	1 3/8"	1 1/8"	21	86.1	56.8	PWS	183	50022330	£5,247.56
SH15 51SY	15	1 5/8"	1 1/8"	31	118	77.8	PWS	220	50022331	£5,512.61
SH20 56SY	20	1 5/8"	1 1/8"	37	146	96.7	PWS	226	50022333	£5,975.72
SH15 71VY	15	1 5/8"	1 1/8"	31	118	77.8	PWS	265	50022335	£7,892.18
SH20 84VY	20	1 5/8"	1 1/8"	37	146	96.7	PWS	275	50022337	£8,099.17
SH30 84VY	30	2 1/8"	1 3/8"	53	185	122	PWS	293	50022338	£8,724.58

EVAPORATORS

Cellar Cooling

60



SELECTION DATA

Full selection data for the Friga Bohn evaporator range is available at www.kooltech.co.uk



SELECTION FACTORS

Standard Condition	Evap Temp	TD
SC2	-8°C	8
SC3	-25°C	7
SC4	-31°C	6

MR/R 4.23mm FIN SPACING HIGH TEMP +2C to -5C			
Description	Code	£	
MR75R*	60010010	£328.15	
MR110R*	60010011	£430.16	
MR135R*	60010012	£509.96	
MR160R*	60010013	£597.81	
MR180R*	60010014	£650.49	
MR210R*	60010015	£709.52	
MR270R*	60010016	£909.07	

MRE/E 4.23mm FIN SPACING LOW TEMP -10C to -25C			
Description	Code	£	
MRE75E	60010020	£489.99	
MRE110E	60010021	£585.36	
MRE135E	60010022	£700.66	
MRE160E	60010023	£833.07	
MRE180E	60010024	£860.83	
MRE210E	60010025	£922.39	
MRE270E	60010026	£1,226.15	

MR..R 4.23MM

Model	Capacity W		Air Throw Metres	Fans Number	Fans		Defrost		Weight Kg	Dimensions W x D x H	Connections		Code
	SC2	SC4			W Max	A Max	W	A			Inlet	Outlet	
MR75R	680		3	1	1 x 38	1 x 0.24			3	514 x 326 x 209	3/8"	3/8"	60010010
MR110R	1070		3.7	2	2 x 38	2 x 0.24			7.5	784 x 596 x 209	3/8"	3/8"	60010011
MR135R	1270		3.5	2	2 x 38	2 x 0.24			9.5	784 x 596 x 209	3/8"	3/8"	60010012
MR160R	1550		4.1	3	3 x 38	3 x 0.24			14.5	1174 x 493 x 209	1/2"	1/2"	60010013
MR180R	1860		4.1	3	3 x 38	3 x 0.24			14.5	1174 x 493 x 209	1/2"	1/2"	60010014
MR210R	2060		4	3	3 x 38	3 x 0.24			15	1174 x 493 x 209	1/2"	1/2"	60010015
MR270R	2620		4.5	4	4 x 38	4 x 0.24			20	1504 x 658 x 209	1/2"	1/2"	60010016

MRE..E 4.23MM

Model	Capacity W		Air Throw Metres	Fans Number	Fans		Defrost		Weight Kg	Dimensions W x D x H	Connections		Code
	SC2	SC4			W Max	A Max	W	A			Inlet	Outlet	
MRE75E	530	420	3	1	1 x 38	1 x 0.24	400	1.8	3	514 x 326 x 209	3/8"	3/8"	60010020
MRE110E	820	640	3.7	2	2 x 38	2 x 0.24	440	2	7.5	784 x 596 x 209	3/8"	3/8"	60010021
MRE135E	1070	840	3.5	2	2 x 38	2 x 0.24	730	3.3	9.5	784 x 596 x 209	1/2"	1/2"	60010022
MRE160E	1210	960	4.1	3	3 x 38	3 x 0.24	960	4.4	14.5	1174 x 493 x 209	1/2"	5/8"	60010023
MRE180E	1440	1140	4.1	3	3 x 38	3 x 0.24	960	4.4	14.5	1174 x 493 x 209	1/2"	5/8"	60010024
MRE210E	1660	1320	4	3	3 x 38	3 x 0.24	1200	5.5	15	1174 x 493 x 209	1/2"	5/8"	60010025
MRE270E	2230	1780	4.5	4	4 x 38	4 x 0.24	1600	7.3	20	1504 x 658 x 209	1/2"	3/4"	60010026

* +E1K Defrost Kit for +2C to -5C

MR/L 6.35mm FIN SPACING HIGH TEMP +2C to -5C		
Description	Code	£
MR65L*	60010230	£328.15
MR100L*	60010231	£430.16
MR120L*	60010232	£509.96
MR140L*	60010233	£597.81
MR170L*	60010234	£650.49
MR190L*	60010235	£709.52
MR250L*	60010236	£909.07

MRE/C 6.35mm FIN SPACING LOW TEMP -10C to -25C		
Description	Code	£
MRE65C	60010237	£489.99
MRE100C	60010238	£585.36
MRE120C	60010239	£700.66
MRE140C	60010240	£833.07
MRE170C	60010241	£795.91
MRE190C	60010242	£852.81
MRE250C	60010243	£1,226.15

MR..L 6.35MM

Model	Capacity W		Air Throw		Fans		Defrost		Weight Kg	Dimensions W x D x H	Connections		Code
	SC2	SC4	Metres	Number	W Max	A Max	W	A			Inlet	Outlet	
MR65L	620		3	1	1 x 38	1 x 0.24			3	514 x 326 x 209	3/8"	3/8"	60010230
MR100L	890		3.7	2	2 x 38	2 x 0.24			7.5	784 x 596 x 209	3/8"	3/8"	60010231
MR120L	1180		3.5	2	2 x 38	2 x 0.24			9.5	784 x 596 x 209	3/8"	3/8"	60010232
MR140L	1370		4.1	3	3 x 38	3 x 0.24			14.5	1174 x 493 x 209	1/2"	1/2"	60010233
MR170L	1680		4.1	3	3 x 38	3 x 0.24			14.5	1174 x 493 x 209	1/2"	1/2"	60010234
MR190L	1890		4	3	3 x 38	3 x 0.24			15	1174 x 493 x 209	1/2"	1/2"	60010235
MR250L	2440		4.5	4	4 x 38	4 x 0.24			20	1504 x 658 x 209	1/2"	1/2"	60010236

MRE..C 6.35MM

Model	Capacity W		Air Throw		Fans		Defrost		Weight Kg	Dimensions W x D x H	Connections		Code
	SC2	SC4	Metres	Number	W Max	A Max	W	A			Inlet	Outlet	
MRE65C	480	380	3	1	1 x 38	1 x 0.24	400	1.8	3	514 x 326 x 209	3/8"	3/8"	60010237
MRE100C	670	540	3.7	2	2 x 38	2 x 0.24	440	2	7.5	784 x 596 x 209	3/8"	3/8"	60010238
MRE120C	950	760	3.5	2	2 x 38	2 x 0.24	730	3.3	9.5	784 x 596 x 209	1/2"	1/2"	60010239
MRE140C	1080	850	4.1	3	3 x 38	3 x 0.24	960	4.4	14.5	1174 x 493 x 209	1/2"	5/8"	60010240
MRE170C	1310	1040	4.1	3	3 x 38	3 x 0.24	960	4.4	14.5	1174 x 493 x 209	1/2"	5/8"	60010241
MRE190C	1510	1210	4	3	3 x 38	3 x 0.24	1200	5.5	15	1174 x 493 x 209	1/2"	5/8"	60010242
MRE250C	2030	1630	4.5	4	4 x 38	4 x 0.24	1600	7.3	20	1504 x 658 x 209	1/2"	3/4"	60010243

* +E1K Defrost Kit for +2C to -5C

SELECTION DATA

Full selection data for the Friga Bohn evaporator range is available at www.kooltech.co.uk



MH..R 4.23mm FIN SPACING HIGH TEMP 10°C TO 2°C		
Description	Code	£
MH320R	60010290	£942.55
MH380R	60010291	£1,021.66
MH460R	60010292	£1,186.50
MH550R	60010293	£1,340.92
MH640R	60010294	£1,515.46
MH770R	60010295	£1,781.82

MH..L 6.35mm FIN SPACING HIGH TEMP 10°C TO 2°C		
Description	Code	£
MH250L	60010280	£942.55
MH310L	60010281	£1,021.66
MH370L	60010282	£1,186.50
MH450L	60010283	£1,340.92
MH510L	60010284	£1,515.46
MH630L	60010285	£1,781.82

MH..R 4.23MM

Model	Capacity Kw SC2	Air Throw Metres	Number	Fans		Weight Kg	Dimensions W x D x H	Connections		Code
				W Max	A Max			Inlet	Outlet	
MH320R	3.16	16	2	2 X 117	2 X 0.77	34	1531 x 1372 x 228	1/2"	5/8"	60010290
MH380R	3.74	16	2	2 X 117	2 X 0.77	35	1531 x 1372 x 228	1/2"	5/8"	60010291
MH460R	4.61	16	3	3 X 117	3 X 0.77	46	2197 x 2038 x 228	1/2"	3/4"	60010292
MH550R	5.50	16	3	3 X 117	3 X 0.77	48	2197 x 2038 x 228	1/2"	3/4"	60010293
MH640R	6.42	16	4	4 X 117	4 X 0.77	54	2499 x 2340 x 260	5/8"	7/8"	60010294
MH770R	7.71	16	4	4 X 117	4 X 0.77	57	2499 x 2340 x 260	5/8"	7/8"	60010295

MH..L 6.35MM

Model	Capacity Kw SC2	Air Throw Metres	Number	Fans		Weight Kg	Dimensions W x D x H	Connections		Code
				W Max	A Max			Inlet	Outlet	
MH250L	2.50	17	2	2 X 117	2 X 0.77	34	1531 x 1372 x 228	1/2"	5/8"	60010280
MH310L	3.06	17	2	2 X 117	2 X 0.77	35	1531 x 1372 x 228	1/2"	5/8"	60010281
MH370L	3.73	17	3	3 X 117	3 X 0.77	46	2197 x 2038 x 228	1/2"	3/4"	60010282
MH450L	4.58	17	3	3 X 117	3 X 0.77	48	2197 x 2038 x 228	1/2"	3/4"	60010283
MH510L	5.11	17	4	4 X 117	4 X 0.77	54	2499 x 2340 x 260	5/8"	7/8"	60010284
MH630L	6.30	17	4	4 X 117	4 X 0.77	57	2499 x 2340 x 260	5/8"	7/8"	60010285

MHE..E 4.23mm FIN SPACING LOW TEMP -5°C TO -21°C		
Description	Code	£
MH320E	60010260	£1,172.41
MH380E	60010261	£1,261.04
MH460E	60010262	£1,470.54
MH550E	60010263	£1,622.05
MH640E	60010264	£1,883.29
MH770E	60010265	£2,145.02

MHE..C 6.35mm FIN SPACING LOW TEMP -5°C TO -21°C		
Description	Code	£
MH250C	60010250	£1,172.41
MH310C	60010251	£1,261.04
MH370C	60010252	£1,470.54
MH450C	60010253	£1,622.05
MH510C	60010254	£1,883.29
MH630C	60010255	£2,145.02

MHE..E 4.23MM

Model	Capacity Kw		Air Throw		Fans			Defrost		Weight Kg	Dimensions W x D x H	Connections		Code
	SC3	SC4	Metres	Number	W Max	A Max	Coil/Pan	W	A			Inlet	Outlet	
MH320E	2.39	1.87	16	2	2 x 117	2 x 0.77	2/1	1800	7.83	34	1531 x 1372 x 228	1/2"	5/8"	60010260
MH380E	2.87	2.26	16	2	2 x 117	2 x 0.77	2/1	1800	7.83	35	1531 x 1372 x 228	1/2"	5/8"	60010261
MH460E	3.34	2.56	16	3	3 x 117	3 x 0.77	2/1	2700	11.7 (3.9)	46	2197 x 2038 x 228	1/2"	3/4"	60010262
MH550E	4.06	3.14	16	3	3 x 117	3 x 0.77	2/1	2700	11.7 (3.9)	48	2197 x 2038 x 228	1/2"	3/4"	60010263
MH640E	4.81	3.74	16	4	4 x 117	4 x 0.77	2/1	3600	15.7 (5.2)	54	2499 x 2340 x 260	5/8"	7/8"	60010264
MH770E	5.88	4.6	16	4	4 x 117	4 x 0.77	2/1	3600	15.7 (5.2)	57	2499 x 2340 x 260	5/8"	7/8"	60010265

MHE..C 6.35MM

Model	Capacity Kw		Air Throw		Fans			Defrost		Weight Kg	Dimensions W x D x H	Connections		Code
	SC3	SC4	Metres	Number	W Max	A Max	Coil/Pan	W	A			Inlet	Outlet	
MH250C	1.92	1.51	17	2	2 X 117	2 X 0.77	2/1	1800	7.83	34	1531 x 1372 x 228	1/2"	5/8"	60010250
MH310C	2.37	1.87	17	2	2 X 117	2 X 0.77	2/1	1800	7.83	35	1531 x 1372 x 228	1/2"	5/8"	60010251
MH370C	2.79	2.18	17	3	3 X 117	3 X 0.77	2/1	2700	11.7 (3.9)	46	2197 x 2038 x 228	1/2"	3/4"	60010252
MH450C	3.45	2.7	17	3	3 X 117	3 X 0.77	2/1	2700	11.7 (3.9)	48	2197 x 2038 x 228	1/2"	3/4"	60010253
MH510C	3.90	3.07	17	4	4 X 117	4 X 0.77	2/1	3600	15.7 (5.2)	54	2499 x 2340 x 260	5/8"	7/8"	60010254
MH630C	4.86	3.85	17	4	4 X 117	4 X 0.77	2/1	3600	15.7 (5.2)	57	2499 x 2340 x 260	5/8"	7/8"	60010255

SELECTION DATA

Full selection data for the Friga Bohn evaporator range is available at www.kooltech.co.uk



MUC/R 4.23mm FIN SPACING HIGH TEMP 10°C TO 2°C		
Description	Code	£
MUC145R*	60010030	£720.62
MUC200R*	60010031	£829.25
MUC285R*	60010032	£1,068.73
MUC320R*	60010033	£1,184.00
MUC420R*	60010034	£1,423.46
MUC520R*	60010035	£1,758.26
MUC620R*	60010036	£2,006.60
MUC640R*	60010037	£2,146.27
MUC660R*	60010038	£2,436.73
MUC670R*	60010039	£2,760.48
MUC781R*	60010040#1	£2,582.94

MUC/L 6.35mm FIN SPACING HIGH TEMP 10°C TO 2°C		
Description	Code	£
MUC140L*	60010050	£809.31
MUC195L*	60010051	£931.23
MUC280L*	60010052	£1,192.86
MUC315L*	60010053	£1,328.13
MUC415L*	60010054	£1,598.63
MUC515L*	60010055	£1,971.13
MUC615L*	60010056	£2,252.68
MUC635L*	60010057	£2,305.93
MUC655L*	60010058	£2,467.77
MUC665L*	60010059	£2,920.11
MUC776L*	60010060#1	£2,850.89

MUC..R 4.23MM

Model	Capacity Kw SC2	Air Throw		Fans			Defrost		Weight Kg	Dimensions W x D x H	Connections		Code
		Metres	Number	W Max	A Max	Num	W	A			Inlet	Outlet	
MUC145R	1.44	12	1	145	0.85	3	420	1.8	16	575 x 365 x 400	1/2"	1/2"	60010030
MUC200R	2.31	12	1	145	0.85	3	630	2.8	18	575 x 365 x 464	1/2"	1/2"	60010031
MUC285R	3.48	12	2	290	1.7	3	780	3.4	22	981 x 365 x 400	1/2"	5/8"	60010032
MUC320R	3.83	12	2	290	1.7	3	960	4.2	27	981 x 365 x 400	1/2"	5/8"	60010033
MUC420R	4.94	12	2	290	1.7	3	1320	5.8	32	1235 x 365 x 400	1/2"	3/4"	60010034
MUC520R	5.89	12	3	435	2.55	3	1560	6.8	43	1235 x 365 x 464	1/2"	3/4"	60010035
MUC620R	7.17	12	3	435	2.55	3	1860	8.1	44	1665 x 365 x 400	1/2"	7/8"	60010036
MUC640R	8.23	12	3	435	2.55	3	2550	3.7*	56	1998 x 365 x 400	1/2"	7/8"	60010037
MUC660R	9.56	12	3	435	2.55	3	3150	4.6*	68	2348 x 365 x 400	7/8"	7/8"	60010038
MUC670R	10.89	12	4	580	3.4	3	3150	4.6*	70	2348 x 365 x 400	7/8"	7/8"	60010039
MUC781R	12.01	30	2	2 x 360*	2 x 1*	3	1739 / 3480	2.5 / 5*	73	1657 x 482 x 590	1 1/8"	1 3/8"	60010040#1

MUC..L 6.35MM

Model	Capacity Kw SC2	Air Throw		Fans			Optional Defrost E1K		Weight Kg	Dimensions W x D x H	Connections		Code
		Metres	Number	W Max	A Max	Num	W	A			Inlet	Outlet	
MUC140L	1.70	12	1	145	0.85	3	420	1.8	16	575 x 365 x 400	1/2"	1/2"	60010050
MUC195L	2.07	12	1	145	0.85	3	630	2.8	18	575 x 365 x 464	1/2"	1/2"	60010051
MUC280L	3.17	12	2	290	1.7	3	780	3.4	22	981 x 365 x 400	1/2"	5/8"	60010052
MUC315L	3.46	12	2	290	1.7	3	960	4.2	27	981 x 365 x 400	1/2"	5/8"	60010053
MUC415L	4.52	12	2	290	1.7	3	1320	5.8	32	1235 x 365 x 400	1/2"	3/4"	60010054
MUC515L	5.49	12	3	435	2.55	3	1560	6.8	43	1355 x 365 x 464	1/2"	3/4"	60010055
MUC615L	6.42	12	3	435	2.55	3	1860	8.1	44	1665 x 365 x 400	1/2"	7/8"	60010056
MUC635L	6.89	12	3	435	2.55	3	2550	3.7*	56	1998 x 365 x 400	1/2"	7/8"	60010057
MUC655L	7.41	12	3	435	2.55	3	3150	4.6*	68	2348 x 365 x 400	7/8"	7/8"	60010058
MUC665L	9.00	12	4	580	3.4	3	3150	4.6*	70	2348 x 365 x 400	7/8"	7/8"	60010059
MUC776L	10.61	30	2	2 x 360*	2 x 1*	3/6	1739 / 3480	2.5 / 5*	72	1656 x 482 x 590	1 1/8"	1 1/8"	60010060#1

* +E1K Defrost Kit for +2C to -5C

LUC/E 4.23mm FIN SPACING LOW TEMP -5°C TO -21°C		
Description	Code	£
LUC155E	60010090	£968.94
LUC210E	60010091	£1,177.36
LUC295E	60010092	£1,432.35
LUC350E	60010093	£1,618.56
LUC440E	60010094	£1,924.56
LUC550E	60010095	£2,299.28
LUC650E	60010096	£2,600.79
LUC700E	60010097	£2,968.87
LUC710E	60010098	£3,221.62
LUC720E	60010099	£3,348.02
LUC841E	60010100#1	£3,344.42

LUC/C 6.35mm FIN SPACING LOW TEMP -5°C TO -21°C		
Description	Code	£
LUC150C	60010110	£995.55
LUC205C	60010111	£1,203.97
LUC290C	60010112	£1,452.32
LUC345C	60010113	£1,636.31
LUC435C	60010114	£1,962.27
LUC545C	60010115	£2,330.29
LUC645C	60010116	£2,638.48
LUC695C	60010117	£2,977.76
LUC705C	60010118	£3,206.11
LUC715C	60010119	£3,523.19
LUC836C	60010120#1	£3,386.73

LUC..E 4.23MM

Model	Capacity Kw		Air Throw		Fans			Defrost		Weight Kg	Dimensions W x D x H	Connections		Code
	SC3	SC4	Metres	Number	W Max	A Max	Coil/Pan	W	A			Inlet	Outlet	
LUC155E	1.42	1.1	12	1	145	0.85	1/1	1300	5.7	16	575 x 365 x 400	1/2"	1/2"	60010090
LUC210E	1.84	1.44	12	1	145	0.85	2/1	2150	9.4	18	575 x 365 x 464	1/2"	5/8"	60010091
LUC295E	2.69	2.04	12	2	290	1.7	3/1	2000	8.7	22	981 x 365 x 400	1/2"	3/4"	60010092
LUC350E	3.03	2.37	12	2	290	1.7	5/1	3000	4.4*	27	981 x 365 x 400	1/2"	3/4"	60010093
LUC440E	3.96	3.12	12	2	290	1.7	5/1	3600	5.2*	32	1235 x 365 x 400	1/2"	7/8"	60010094
LUC550E	4.86	3.82	12	3	435	2.55	5/1	3600	5.2*	43	1355 x 365 x 464	1/2"	7/8"	60010095
LUC650E	5.68	4.48	12	3	435	2.55	5/1	5640	8.2*	44	1665 x 365 x 400	1/2"	1 1/8"	60010096
LUC700E	6.92	5.73	12	3	435	2.55	5/1	6900	9.9*	56	1998 x 365 x 400	7/8"	1 1/8"	60010097
LUC710E	7.51	6.22	12	3	435	2.55	5/1	8400	12.1*	68	2348 x 365 x 400	7/8"	1 1/8"	60010098
LUC720E	8.47	6.94	12	4	580	3.4	5/1	8400	12.1*	70	2348 x 365 x 400	7/8"	1 1/8"	60010099
LUC841E	9.24	7.26	28	2	2 x 360*	12x 1*	8/1	8460	12.2*	73	1657 x 482 x 590	1 1/8"	1 3/8"	60010100#1

LUC..C 6.35MM

Model	Capacity Kw		Air Throw		Fans			Defrost		Weight Kg	Dimensions W x D x H	Connections		Code
	SC3	SC4	Metres	Number	W Max	A Max	Coil/Pan	W	A			Inlet	Outlet	
LUC150C	1.30	1.03	12	1	145	0.85	2/1	2150	5.7	16	575 x 365 x 400	1/2"	1/2"	60010110
LUC205C	1.67	1.31	12	1	145	0.85	2/1	2150	9.4	18	575 x 365 x 464	1/2"	5/8"	60010111
LUC290C	2.48	1.96	12	2	290	1.7	5/1	3000	4.4*	27	981 x 365 x 400	1/2"	3/4"	60010112
LUC345C	2.78	2.20	12	2	290	1.7	5/1	3000	4.4*	27	981 x 365 x 400	1/2"	3/4"	60010113
LUC435C	3.58	2.83	12	2	290	1.7	5/1	3600	5.2*	32	1235 x 365 x 400	1/2"	7/8"	60010114
LUC545C	4.39	3.48	12	3	435	2.55	5/1	3600	5.2*	43	1355 x 365 x 464	1/2"	7/8"	60010115
LUC645C	5.17	4.11	12	3	435	2.55	5/1	5640	8.2*	44	1665 x 365 x 400	1/2"	1 1/8"	60010116
LUC695C	5.68	4.76	12	3	435	2.55	5/1	6900	9.9*	57	1998 x 365 x 400	7/8"	1 1/8"	60010117
LUC705C	6.21	5.18	12	3	435	2.55	5/1	8400	12.1*	69	2348 x 365 x 400	7/8"	1 1/8"	60010118
LUC715C	7.08	5.89	12	4	580	3.4	5/1	8400	12.1*	71	2348 x 365 x 400	7/8"	1 1/8"	60010119
LUC836C	8.38	6.61	30	2	2 x 360*	2 x 1*	8/1	8460	12.2*	73	1657 x 482 x 590	1 1/8"	1 3/8"	60010120#1



TA 4 POLE MOTORS 3.63mm FIN SPACING		
Description	Code	£
TA1R-4P	60010170	£1,226.15
TA2R-4P	60010171	£1,680.64
TA3R-4P	60010172	£1,793.75
TA4R-4P	60010173	£1,904.59
TA5R-4P	60010174	£2,547.30
TA6R-4P	60010175	£2,911.22
TA7R-4P	60010176	£3,642.91

TA 6 POLE MOTORS 3.63mm FIN SPACING		
Description	Code	£
TA1R-6P	60010180	£1,237.19
TA2R-6P	60010181	£1,707.25
TA3R-6P	60010182	£1,818.12
TA4R-6P	60010183	£1,926.77
TA5R-6P	60010184	£2,587.50
TA6R-6P	60010185	£2,948.88
TA7R-6P	60010186	£3,691.68

TA 8 POLE MOTORS 3.63mm FIN SPACING		
Description	Code	£
TA1R-8P	60010190	£1,257.19
TA2R-8P	60010191	£1,747.15
TA3R-8P	60010192	£1,858.05
TA4R-8P	60010193	£1,968.89
TA5R-8P	60010194	£2,645.15
TA6R-8P	60010195	£3,008.80
TA7R-8P	60010196	£3,771.50

TA 4 POLE MOTORS 6.35mm FIN SPACING		
Description	Code	£
TA1L-4P	60010200	£1,166.25
TA2L-4P	60010201	£1,594.20
TA3L-4P	60010202	£1,705.07
TA4L-4P	60010203	£1,811.45
TA5L-4P	60010204	£2,421.20
TA6L-4P	60010205	£2,767.10
TA7L-4P	60010206	£3,461.11

TA 6 POLE MOTORS 6.35mm FIN SPACING		
Description	Code	£
TA1L-6P	60010210	£1,177.36
TA2L-6P	60010211	£1,594.20
TA3L-6P	60010212	£1,727.22
TA4L-6P	60010213	£1,833.65
TA5L-6P	60010214	£2,456.70
TA6L-6P	60010215	£2,807.00
TA7L-6P	60010216	£3,509.89

TA 8 POLE MOTORS 6.35mm FIN SPACING		
Description	Code	£
TA1L-8P	60010220	£1,195.05
TA3L-8P	60010221	£1,767.17
TA4L-8P	60010222	£1,875.77
TA5L-8P	60010223	£2,516.56
TA7L-8P	60010224	£3,589.72

SKB/R 4.23mm FIN SPACING HIGH TEMP 10°C TO 2°C		
Description	Code	£
SKB06R*	60010130	£1,767.14
SKB10R*	60010131	£2,629.65
SKB12R*	60010132	£2,975.49
SKB16R*	60010133	£3,866.84
SKB19R*	60010134	£4,587.43
SKB24R*	60010135	£6,279.18

SKB/L 6.35mm FIN SPACING HIGH TEMP 10°C TO 2°C		
Description	Code	£
SKB06L*	60010140	£1,767.14
SKB09L*	60010141	£2,629.65
SKB11L*	60010142	£2,975.49
SKB14L*	60010143	£3,866.84
SKB18L*	60010144	£4,587.43
SKB22L*	60010145	£6,279.18

SKB/E 4.23mm FIN SPACING LOW TEMP 0°C TO -21°C		
Description	Code	£
SKB06E	60010150	£2,835.85
SKB09E	60010151	£3,412.32
SKB11E	60010152	£3,740.46
SKB13E	60010153	£4,520.92
SKB16E	60010154	£4,902.29
SKB21E	60010155	£6,835.71

SKB/C 6.35mm FIN SPACING LOW TEMP 0°C TO -25°C		
Description	Code	£
SKB05C	60010160	£2,835.85
SKB08C	60010161	£3,412.32
SKB10C	60010162	£3,740.46
SKB12C	60010163	£4,520.92
SKB15C	60010164	£4,902.29
SKB19C	60010165	£6,835.71



Vertical Wall Mounting option available on MF1 & 2 ref EMA

MICROFREEZE MF / MFE			
Description		Code	£
MF1	+10C to 0C	60010001	£203.96
MF2	+10C to 0C	60010002	£215.09
MF3	+10C to 0C	60010003	£314.83
MF4	+10C to 0C	60010004	£337.04
MFE1	-5C to -25C	60010005	£235.03
MFE2	-5C to -25C	60010006	£252.78
MFE3	-5C to -25C	60010007	£348.11
MFE4	-5C to -25C	60010008	£379.15

* +E1K Defrost Kit for +2C to -5C

REFRIGERATION CASSETTE

The KRS direct expansion or glycol water (KRS-W) refrigeration cassettes are designed for use in air locks, laboratories, workplaces, etc...

The 2 models in this line cover a capacity range from 1.5 to 9 kW.



KRS DIRECT EXPANSION		
Description	Code	£
KRS1	60010130	£3,337.56
KRS2	60010131	£5,433.13

KRS-W GLYCOL WATER		
Description	Code	£
KRS-W1	60010315	£3,337.56
KRS-W2	60010316	£5,433.13

KRS DIRECT EXPANSION													
		Air Flow m³/h	Capacity kW *		Connections		Dimensions W x D x H mm		Fans		Net Weight Kg**	Noise Level dB	Code
			Δt 10K	Δt 12K	Inlet	Outlet	Overall	Carcase	W Max	A Max			
KRS1	V1	300	1.5	2.1	3/8"	1/2"	670 x 670 x 367	572 x 572 x 326	100	0.45	28	26	60010130
	V2	530	2.4	3.2								38	
	V3	850	3.3	4.3								49	
KRS2	V1	700	3.3	4.3	3/8"	1/2"	965 x 965 x 418	819 x 819 x 359	170	0.74	46	25	60010131
	V2	1200	4.9	6.4								37	
	V3	1880	6.6	8.7								47	

KRS-W GLYCOL WATER													
		Air Flow m³/h	Capacity kW *		Connections		Dimensions W x D x H mm		Fans		Net Weight Kg**	Noise Level dB†	Code
			Δt 12K		Inlet	Outlet	Overall	Carcase	W Max	A Max			
KRS-W1	V1	320	1.6		1/2"	1/2"	670 x 670 x 367	572 x 572 x 326	100	0.45	28	26	60010315
	V2	610	2.3									38	
	V3	880	2.8									49	
KRS-W2	V1	710	3.3		3/4"	3/4"	965 x 965 x 418	819 x 819 x 359	170	0.74	46	25	60010316
	V2	1280	4.5									37	
	V3	1820	5.2									47	

* Evaporating temperature must not be less than -3°C

** Casing and grille

† 2 metres free field



STANDARD

Description	Cooling		Indoor		Outdoor				System	
	Kw	Model	Code	£	Model	Phase	Code	£	£	£
K50M	2.4	ICC25M	60020020	£599.00	ICUS30	1	60020060	£700.00	£1,299.00	
K75M	3.5	ICC35M	60020021	£649.00	ICUS40	1	60020061	£719.00	£1,368.00	
K100M	4.5	ICC50M	60020022	£762.00	ICUS55	1	60020062	£924.00	£1,686.00	
K150M	5.8	ICC50M	60020022	£762.00	ICUS80	1	60020063	£1,127.00	£1,889.00	
K150M	5.8	ICC50M	60020022	£762.00	ICUS80	3	60020064	£1,046.00	£1,808.00	
K200M	6.8	ICC70M	60020024	£1,105.00	ICUS80	1	60020063	£1,127.00	£2,232.00	
K200M	6.8	ICC70M	60020024	£1,105.00	ICUS80	3	60020064	£1,046.00	£2,151.00	

ELECTRONIC

Description	Cooling		Indoor		Outdoor				System	
	Kw	Model	Code	£	Model	Phase	Code	£	£	£
K50E	2.4	ICC25E	60020001	£682.00	ICUS30	1	60020060	£700.00	£1,382.00	
K75E	3.5	ICC35E	60020002	£716.00	ICUS40	1	60020061	£719.00	£1,435.00	
K100E	4.5	ICC50E	60020003	£880.00	ICUS55	1	60020062	£924.00	£1,804.00	
K150E	5.8	ICC50E	60020003	£880.00	ICUS80	1	60020063	£1,127.00	£2,007.00	
K150E	5.8	ICC50E	60020003	£880.00	ICUS80	3	60020064	£1,046.00	£1,926.00	
K200E	6.8	ICC70E	60020005	£1,321.00	ICUS80	1	60020063	£1,127.00	£2,448.00	
K200E	6.8	ICC70E	60020005	£1,321.00	ICUS80	3	60020064	£1,046.00	£2,367.00	

STANDARD c/w Fitted Electric Heater

Description	Cooling		Indoor		Outdoor				System	
	Kw	Model	Code	£	Model	Phase	Code	£	£	£
K50M-H	2.4	ICC25M-H	60020030	£790.00	ICUS30	1	60020060	£700.00	£1,490.00	
K75M-H	3.5	ICC35M-H	60020031	£837.00	ICUS40	1	60020061	£719.00	£1,556.00	
K100M-H	4.5	ICC50M-H	60020032	£981.00	ICUS55	1	60020062	£924.00	£1,905.00	
K150M-H	5.8	ICC50M-H	60020032	£981.00	ICUS80	1	60020063	£1,127.00	£2,108.00	
K150M-H	5.8	ICC50M-H	60020032	£981.00	ICUS80	3	60020064	£1,046.00	£2,027.00	
K200M-H	6.8	ICC70M-H	60020034	£1,323.00	ICUS80	1	60020063	£1,127.00	£2,450.00	
K200M-H	6.8	ICC70M-H	60020034	£1,323.00	ICUS80	3	60020064	£1,046.00	£2,369.00	

ELECTRONIC c/w Fitted Electric Heater

Description	Cooling		Indoor		Outdoor				System	
	Kw	Model	Code	£	Model	Phase	Code	£	£	£
K50E-H	2.4	ICC25E-H	60020010	£899.00	ICUS30	1	60020060	£700.00	£1,599.00	
K75E-H	3.5	ICC35E-H	60020011	£938.00	ICUS40	1	60020061	£719.00	£1,657.00	
K100E-H	4.5	ICC50E-H	60020012	£1,100.00	ICUS55	1	60020062	£924.00	£2,024.00	
K150E-H	5.8	ICC50E-H	60020012	£1,100.00	ICUS80	1	60020063	£1,127.00	£2,227.00	
K150E-H	5.8	ICC50E-H	60020012	£1,100.00	ICUS80	3	60020064	£1,046.00	£2,146.00	
K200E-H	6.8	ICC70E-H	60020014	£1,441.00	ICUS80	1	60020063	£1,127.00	£2,568.00	
K200E-H	6.8	ICC70E-H	60020014	£1,441.00	ICUS80	3	60020064	£1,046.00	£2,487.00	

Duty selections based on room @13°C and 27°C ambient

TECHNICAL DATA CAN BE FOUND AT www.kooltech.co.uk

STANDARD FEATURES

- Robust Stainless Steel Indoor Unit
- Electro Mechanical

FACTORY FITTED ACCESSORIES

- System Head Pressure Control
- Heater Kit
- High Pressure Cut Out
- Low Pressure Winter Start Kit



OPTIONS AND ACCESSORIES

- Electronic Controller for lower temperature operation 4 - 23°C
- Electrical Isolator
- Wall Mounting Kit

ICC (INDOOR UNIT) AND ICU (OUTDOOR UNIT) TECHNICAL DATA

Electro-mechanical Controller (standard model) — Total duties @ 12.7°C db, 10°C wb internal, 27°C external

Electronic Controller (low temperature model) — Total duties @ 5°C db, 3.5°C wb internal, 27°C external

ICC (INDOOR UNIT) AND ICU (OUTDOOR UNIT) TECHNICAL DATA

Model	Electro Mechanical Capacity		Electronic Controller Capacity		Refrigerant	Optional Elec Heater	Airflow	Noise Level	Connections	
	kW	Btu/hr	kW	Btu/hr		kW	m3/s	NR	Suct o/d	Liquid o/d
ICC25	2.4	8190	1.85	6343	R407c	3	0.51	52	3/8"	1/4"
ICU30						N/A	0.54	61	3/8"	1/4"
ICC35	3.5	12110	2.6	8914	R407c	3	0.62	57	1/2"	1/4"
ICU40						N/A	0.45	48	1/2"	1/4"
ICC50	4.5	15200	3.7	12685	R407c	3	0.62	57	1/2"	3/8"
ICU55						N/A	0.45	47	1/2"	3/8"
ICC50	5.8	19650	4.7	16114	R407c	3	0.62	57	5/8"	3/8"
ICU80						N/A	0.7	53	5/8"	3/8"
ICC60	6.1	20815	5	17142	R407c	4	0.73	57	5/8"	3/8"
ICU80						N/A	0.7	53	5/8"	3/8"
ICC70	6.8	23200	5.4	18514	R407c	4	0.95	59	5/8"	3/8"
ICU80						N/A	0.7	53	5/8"	3/8"



Your national solution provider for air conditioning and refrigeration

**Air Conditioning and Refrigeration Systems / Ancillary Packages
Accessories / Technical Support / Tools / Branches Nationwide:**
Aberdeen, Glasgow, Gateshead, Manchester, Birmingham,
Heathrow, Crayford and Fareham

kooltech

0141 883 0447

www.kooltech.co.uk

 **MITSUBISHI
ELECTRIC**
AIR CONDITIONING SYSTEMS

REFRIGERATION

Refrigeration Controls
Line Components
Fan Motors & Blades

70



Manufactured by Kooltech.

REFRIGERATION CONTROL PANELS - RCP

These panels have been designed to monitor and control coldroom temperatures as part of a complete refrigeration system. The internal electrical components have been sized to function with Kooltech's range of condensing units and evaporators.



- Plastic enclosure
- Mains Isolator
- MCBs
- Contactors
- Coldroom light switch
- Eliwell controller

SINGLE PHASE CONDENSING UNITS (BUDGET PANELS)

Model	Outdoor/Indoor	Controller	Defrost	Code	List
RCP1	Unit Up To 20a 1ph / Evap 2a 1ph Fans	ID961	Off Cycle	70063000	£480.00
RCP2	Unit Up To 20a 1ph / Evap 2a 1ph Fans	ID974	10a 1ph Defrost	70063001	£543.00



- Metal epoxy coated enclosure
- Mains Isolator
- MCBs
- Motor Starter
- Contactors
- Indicator lights
- Eliwell controller

SINGLE PHASE CONDENSING UNITS WITH OFF CYCLE DEFROST

Model	Outdoor/Indoor	Controller	Defrost	Code	List
RCP32	Unit 6-10a 1ph (1ph Fans) / Evap 2a 1ph Fans	ID961	Off Cycle	70063039	£756.00
RCP33	Unit 9-14a 1ph (1ph Fans) / Evap 2a 1ph Fan	ID961	Off Cycle	70063040	£721.00
RCP34	Unit 13-18a 1ph (1ph Fans) / Evap 2a 1ph Fan	ID961	Off Cycle	70063041	£777.00
RCP35	Unit 17-23a 1ph (1ph Fans) / Evap 2a 1ph Fan	ID961	Off Cycle	70063042	£721.00

THREE PHASE CONDENSING UNITS WITH OFF CYCLE DEFROST

Model	Outdoor/Indoor	Controller	Defrost	Code	List
RCP40	Unit 6-10a 3ph (1ph Fans) / Evap 2a 1ph Fans	ID961	Off Cycle	70063045	£747.00
RCP41	Unit 9-14a 3ph (1ph Fans) / Evap 2a 1ph Fans	ID961	Off Cycle	70063046	£721.00
RCP42	Unit 17-18a 3ph (1ph Fans) / Evap 4a 1ph Fans	ID961	Off Cycle	70063052	£745.00
RCP43	Unit 9-14a 3ph (1ph Fans) / Evap 4a 3ph Fans	ID961	Off Cycle	70063047	£825.00
RCP44	Unit 13-18a 3ph (1ph Fans) / Evap 4a 3ph Fans	ID961	Off Cycle	70063048	£745.00
RCP46	Unit 17-23a 3ph (3ph Fans) / Evap 4a 3ph Fans	ID961	Off Cycle	70063049	£800.00

P.W.S CONDENSING UNITS WITH OFF CYCLE DEFROST

Model	Outdoor/Indoor	Controller	Defrost	Code	List
RCP49	Unit (12-20) Pws (1ph Fans) / Evap 4a 1ph Fans	ID961	Off Cycle	70063050	£1,070.00
RCP50	Unit (18-28) Pws (3ph Fans) / Evap 4a 3ph Fans	ID961	Off Cycle	70063051	£1,185.00



- Metal epoxy coated enclosure
- Mains Isolator
- MCBs
- Motor Starter
- Contactors
- Indicator lights
- Eliwell controller

SINGLE PHASE CONDENSING UNITS WITH SINGLE PHASE ELECTRIC DEFROST

Model	Outdoor/Indoor	Controller	Defrost	Code	List
RCP22	Unit 6-10a 1ph (1ph Fans) / Evap 2a 1ph Fans	ID974	10a 1ph Defrost	70063019	£831.00
RCP23	Unit 9-14a 1ph (1ph Fans) / Evap 2a 1ph Fans	ID974	16a 1ph Defrost	70063020	£852.00
RCP24	Unit 13-18a 1ph (1ph Fans) / Evap 2a 1ph Fans	ID974	16a 1ph Defrost	70063021	£849.00

SINGLE PHASE CONDENSING UNITS WITH THREE PHASE ELECTRIC DEFROST

Model	Outdoor/Indoor	Controller	Defrost	Code	List
RCP26	Unit 6-10a 1ph (1ph Fans) / Evap 2a 1ph Fans	ID974	10a 3ph Defrost	70063023	£810.00
RCP27	Unit 9-14a 1ph (1ph Fans) / Evap 2a 1ph Fans	ID974	10a 3ph Defrost	70063024	£810.00
RCP28	Unit 13-18a 1ph (1ph Fans) / Evap 2a 1ph Fans	ID974	10a 3ph Defrost	70063025	£870.00
RCP25	Unit 17-23a 1ph (1ph Fans) / Evap 2a 1ph Fans	ID974	10a 3ph Defrost	70063022	£810.00

THREE PHASE CONDENSING UNITS WITH SINGLE PHASE ELECTRIC DEFROST

Model	Outdoor/Indoor	Controller	Defrost	Code	List
RCP13	Unit 6-10a 3ph (1ph Fans) / Evap 2a 1ph Fans	ID974	10a 1ph Defrost	70063004	£830.79
RCP3	Unit 9-14a 3ph (1ph Fans) / Evap 2a 1ph Fans	ID974	10a 1ph Defrost	70063002	£867.00

THREE PHASE CONDENSING UNITS WITH THREE PHASE ELECTRIC DEFROST

Model	Outdoor/Indoor	Controller	Defrost	Code	List
RCP14	Unit 6-10a 3ph (1ph Fans) / Evap 2a 1ph Fans	ID974	10a 3ph Defrost	70063005	£903.00
RCP4	Unit 9-14a 3ph (1ph Fans) / Evap 2a 1ph Fans	ID974	10a 3ph Defrost	70063003	£900.00
RCP6	Unit 9-14a 3ph (3ph Fans) / Evap 4a 1ph Fans	ID974	10a 3ph Defrost	70063030	£870.00
RCP10	Unit 13-18a 3ph (3ph Fans) / Evap 4a 1ph Fans	ID974	10a 3ph Defrost	70063031	£870.00

P.W.S. CONDENSING UNITS WITH THREE PHASE ELECTRIC DEFROST

Model	Outdoor/Indoor	Controller	Defrost	Code	List
RCP61	Unit (12-20) Pws (1ph Fans) / Evap 4a 1ph Fans	ID974	16a 3ph Defrost	70063056	£1,185.00
RCP60	Unit (18-28) Pws (3ph Fans) / Evap 4a 3ph Fans	ID974	16a 3ph Defrost	70063055	£1,275.00



LIQUID LINE DRIERS - VALCON

Description	Size	Code	£
TD 032	1/4" Flare	70010001	£9.42
TD 032S	1/4" Sweat	70010002	£9.42
TD 033	3/8" Flare	70010003	£9.42
TD 033S	3/8" Sweat	70010004	£9.42
TD 052	1/4" Flare	70010005	£11.58
TD 052S	1/4" Sweat	70010006	£11.58
TD 053	3/8" Flare	70010007	£12.24
TD 053S	3/8" Sweat	70010008	£12.24
TD 082	1/4" Flare	70010009	£13.29
TD 082S	1/4" Sweat	70010010	£13.29
TD 083	3/8" Flare	70010011	£13.62
TD 083S	3/8" Sweat	70010012	£13.62
TD 084	1/2" Flare	70010013	£13.86
TD 084S	1/2" Sweat	70010014	£13.86
TD 162	1/4" Flare	70010015	£16.89
TD 162S	1/4" Sweat	70010016	£16.89
TD 163	3/8" Flare	70010017	£17.07
TD 163S	3/8" Sweat	70010018	£17.07
TD 164	1/2" Flare	70010019	£17.07
TD 164S	1/2" Sweat	70010020	£17.07
TD 165	5/8" Flare	70010021	£17.49
TD 165S	5/8" Sweat	70010022	£17.49
ADK 303	3/8" Flare	70010023	£35.37
ADK 303S	3/8" Sweat	70010024	£35.37
ADK 304	1/2" Flare	70010025	£35.88
ADK 304S	1/2" Sweat	70010026	£35.37
ADK 305	5/8" Flare	70010027	£35.88
ADK 305S	5/8" Sweat	70010028	£35.88
TD 306S	3/4" Sweat	70010029	£36.69
ADK 307S	7/8" Sweat	70010030	£35.88
TD 413	3/8" Flare	70010031	£47.49
ADK 414	1/2" Flare	70010032	£58.08
ADK 415	5/8" Flare	70010033	£58.08
TD 417-S	7/8" Sweat	70010034	£58.08
TD 755	5/8" Flare	70010035	£79.41
ADK 757-S	7/8" Sweat	70010036	£84.12
TD759-S	1 1/8" Sweat	70010037	£94.14

LIQUID LINE DRIERS - VIRGINIA

Description	Size	Code	£
WEU.032	1/4" Flare	70010400	£6.60
WEU.052	1/4" Flare	70010401	£8.40
WEU.053	3/8" Flare	70010402	£8.91
WEU.082	1/4" Flare	70010403	£9.66
WEU.083	3/8" Flare	70010404	£9.90
WEU.084	1/2" Flare	70010405	£10.14
WEU.162	1/4" Flare	70010406	£12.39
WEU.163	3/8" Flare	70010407	£12.63
WEU.164	1/2" Flare	70010408	£12.87
WEU.165	5/8" Flare	70010409	£13.11
WEU.303	3/8" Flare	70010410	£21.09
WEU.304	1/2" Flare	70010411	£21.36
WEU.305	5/8" Flare	70010412	£21.63
WEU.415	5/8" Flare	70010413	£34.44
WEU.032S	1/4" Sweat	70010414	£6.60
WEU.033S	3/8" Flare	70010415	£8.40
WEU.052S	1/4" Sweat	70010416	£8.91
WEU.053S	3/8" Sweat	70010417	£8.91
WEU.082S	1/4" Sweat	70010418	£9.63
WEU.083S	3/8" Sweat	70010419	£11.76
WEU.084S	1/2" Sweat	70010420	£10.14
WEU.163S	3/8" Sweat	70010421	£17.39
WEU.164S	1/2" Sweat	70010422	£12.87
WEU.165S	5/8" Sweat	70010423	£13.11
WEU.303S	3/8" Sweat	70010424	£21.09
WEU.304S	1/2" Sweat	70010425	£21.36
WEU.305S	5/8" Sweat	70010426	£21.63
WEU.307S	7/8" Sweat	70010427	£24.54
WEU.413S	3/8" Sweat	70010428	£32.88
WEU.415S	5/8" Sweat	70010429	£34.44
WEU.417S	7/8" Sweat	70010430	£38.76
WEU.757S	7/8" Sweat	70010431	£59.10
WEU.759S	1 1/8" Sweat	70010432	£63.84
WLD 756	3/4" Flare	70010433	£64.98



2 WAY HEAT PUMP DRIERS - VALCON

Description	Size	Code	£
TBF 083	3/8" Flare	70010071	£35.01
TBF 083S	3/8" Sweat	70010072	£35.01
TBF 084	1/2" Flare	70010073	£35.01
TBF 084S	1/2" Sweat	70010074	£35.01
TBF 163	3/8" Flare	70010075	£39.21
TBF 163S	3/8" Sweat	70010076	£39.21
TBF 164	1/2" Flare	70010077	£39.21
TBF 164S	1/2" Sweat	70010078	£39.21
TBF 165	5/8" Flare	70010079	£40.59
TBF 165S	5/8" Sweat	70010080	£40.59



2 WAY HEAT PUMP DRIERS - VIRGINIA

Description	Size	Code	£
V2A-083F	3/8" Flare	70010470	£28.50
V2A-084F	1/2" Flare	70010471	£28.83
V2A-163F	3/8" Flare	70010472	£31.83
V2A-164F	1/2" Flare	70010473	£32.16
V2A-165F	5/8" Flare	70010474	£33.03
V2A-083S	3/8" Sweat	70010475	£28.50
V2A-084S	1/2" Sweat	70010476	£28.83
V2A-163S	3/8" Sweat	70010477	£31.83
V2A-164S	1/2" Sweat	70010478	£32.16
V2A-165S	5/8" Sweat	70010479	£33.03



SUCTION LINE / BURNOUT DRIERS - VALCON

Description	Size	Code	£
TS 083	3/8" Flare	70010050	£31.35
TS 083S	3/8" Sweat	70010051	£31.35
TS 084S	1/2" Sweat	70010052	£31.35
TS 164	1/2" Flare	70010053	£32.91
TS 165	5/8" Flare	70010054	£32.91
TS165S	5/8" Sweat	70010055	£32.91
TS166S	3/4" Sweat	70010056	£32.91
TS 305	5/8" Flare	70010057	£54.36
TS 306S	3/4" Sweat	70010058	£58.53
TS 307S	7/8" Sweat	70010059	£58.53
TS419	1 1/8"	70010060	£76.23
TS4811	1 3/8"	70010061	£94.74
TS4813	1 5/8"	70010062	£107.55



SUCTION LINE / BURNOUT DRIERS - VIRGINIA

Description	Size	Code	£
WSL-163F	3/8" Flare	70010450	£30.27
WSL-164F	1/2" Flare	70010451	£30.60
WSL-165F	5/8" Flare	70010452	£30.99
WSL-163S	3/8" Sweat	70010453	£30.27
WSL-164S	1/2" Sweat	70010454	£30.60
WSL-165S	5/8" Sweat	70010455	£30.99
WSL-166S	3/4" Sweat	70010456	£33.03
WSL-167S	7/8" Flare	70010457	£33.99
AL24-5SC	5/8" Sweat	70010460	£44.67
AL30-6SC	3/4" Sweat	70010461	£53.25
AL30-7SC	7/8" Sweat	70010462	£66.45
AL44-9SC	1 1/8" Sweat	70010463	£64.98
AL75-11SC	1 3/8" Sweat	70010464	£86.88
AL75-13SC	1 5/8" Sweat	70010465	£99.42



REPLACEABLE CORE DRIER SHELL - VALCON

Description	Size	Code	£
TDS 485	5/8"	70010091	£138.06
TDS 487	7/8"	70010092	£138.06
TDS 489	1 1/8"	70010093	£138.06
TDS 4811	1 3/8"	70010094	£138.06
TDS 4813	1 5/8"	70010095	£138.06
TDS 4817	2 1/8"	70010096	£145.74
TDS 967	1 1/8"	70010097	£158.43
TDS 969	1 3/8"	70010098	£158.43
TDS 9611	1 5/8"	70010099	£158.43
TDS 9613	2 1/8"	70010100	£158.43
TDS 9617	2 1/8"	70010101	£163.92
TDS 1449	1 1/8"	70010102	£190.26
TDS 14411	1 3/8"	70010103	£190.26
TDS 14413	1 5/8"	70010104	£190.26
TDS 14417	2 1/8"	70010105	£197.88
TDS 19211	1 3/8"	70010106	£216.36
TDS 19213	1 5/8"	70010107	£216.36
TDS 19217	2 1/8"	70010108	£224.19
TD 10017SV	2 1/8"	70010109	£414.42
TD 10021SV	2 5/8"	70010110	£501.84
TD 10025SV	3 1/8"	70010111	£552.27

REPLACEABLE CORE DRIER SHELL - VIRGINIA

Description	Size	Code	£
VS-485	5/8"	70010490	£102.90
VS-487	7/8"	70010491	£102.90
VS-489	1 1/8"	70010492	£105.81
VS-967	7/8"	70010493	£116.10
VS-969	1 1/8"	70010494	£119.04
VS-1449	1 1/8"	70010495	£141.84
VS-9611	1 3/8"	70010496	£121.38
VS-9613	1 5/8"	70010497	£123.90
VS-9617	2 1/8"	70010498	£129.87
VS-14411	1 3/8"	70010499	£142.95
VS-14413	1 5/8"	70010500	£145.59
VS-14417	2 1/8"	70010501	£151.98
VS-19211	1 3/8"	70010502	£164.07
VS-19213	1 5/8"	70010503	£167.13
VS-19217	2 1/8"	70010504	£173.13
VS-20021	2 5/8"	70010505	£346.05
VS-4811	1 3/8"	70010506	£108.18
VS-4813	1 5/8"	70010507	£110.70
VS-4817	2 1/8"	70010508	£116.79



DRIER CORES - VALCON

Description	Type	Code	£
F48	Felt Core	70010120	£19.80
T48	General Clean Up	70010121	£18.72
H48	High Moisture	70010122	£20.37
HC48	Activated Charcoal		
	Wax removal	70010123	£28.38
F100	Felt Core	70010125	£43.26
H100	High Moisture	70010126	£55.50



DRIER CORES - VIRGINIA

Description	Type	Code	£
VS-48SC		70010510	£18.90
VS-48H	High Moisture	70010511	£14.43
VS-100H	High Moisture	70010512	£46.86

**SIGHT GLASSES - MOISTURE INDICATING - VALCON**

Description	Size	Code	£
HMI-1MM2	1/4" Flare	70010200	£15.15
HMI-1MM3	3/8" Flare	70010201	£15.75
HMI-1MM4	1/2" Flare	70010202	£17.82
HMI-1MM5	5/8" Flare	70010203	£19.02
HMI-1FM2	1/4" M/F Flare	70010204	£14.22
HMI-1FM3	3/8" M/F Flare	70010205	£17.16
HMI-1FM4	1/2" M/F Flare	70010206	£17.16
SPU-5MF	5/8" M/F Flare	70010207	£23.28
HMI-1TT2	1/4" Sweat	70010208	£18.42
HMI-1TT3	3/8" Sweat	70010209	£19.11
HMI-1TT4	1/2" Sweat	70010210	£21.21
HMI-1TT5	5/8" Sweat	70010211	£22.92
HMI-1TT7	7/8" Sweat	70010212	£31.11
IHL9S	1.1/8" Sweat	70010213	£47.70
IHL11S	1.3/8" Sweat	70010214	£52.62
IHL13S	1.5/8" Sweat	70010215	£57.12

SIGHT GLASSES - MOISTURE INDICATING - VIRGINIA

Description	Size	Code	£
KSG-2F	1/4" Flare	70010520	£15.39
KSG-3F	3/8" Flare	70010521	£15.39
KSG-4F	1/2" Flare	70010522	£18.42
KSG-5F	5/8" Flare	70010523	£18.42
KSG-2MF	1/4" M/F Flare	70010524	£15.39
KSG-3MF	3/8" M/F Flare	70010525	£15.39
KSG-4MF	1/2" M/F Flare	70010526	£18.42
KSG-5MF	5/8" M/F Flare	70010527	£18.42
KSG-2S	1/4" Sweat	70010528	£15.39
KSG-3S	3/8" Sweat	70010529	£24.27
KSG-4S	1/2" Sweat	70010530	£29.55
KSG-5S	5/8" Sweat	70010531	£30.36
KSG-7S	7/8" Sweat	70010532	£32.45
KSG-9S	1.1/8" Sweat	70010533	£25.65



FLARE NUT - SHORT

Description	Size	Code	£
NS4-4	1/4"	70020002	£2.05
NS4-6	3/8"	70020003	£2.95
NS4-8	1/2"	70020004	£3.85
NS4-10	5/8"	70020005	£5.00
NS4-12	3/4"	70020006	£6.95
NS4-14	7/8"	70020007	£8.60

FLARE NUT - SHORT REDUCING

Description	Size	Code	£
NRS4-64	3/8" x 1/4"	70020010	£5.50
NRS4-86	1/2" x 3/8"	70020012	£6.00
NRS4-108	5/8" x 1/2"	70020013	£9.05
NRS4-1210	3/4" x 5/8"	70020014	£14.45
NRS4-1412	7/8" x 3/4"	70020015	£5.27



REDUCING TEES

Description	Size	Code	£
TR2-46	1/4" x 3/8"	70020093	£16.65
TR2-48	1/4" x 1/2"	70020094	£9.74
TR2-68	3/8" x 1/2"	70020095	£6.07
TR2-810	1/2" x 5/8"	70020096	£6.44
TR2-64	3/8" x 1/4"	70020097	£14.55
TR2-84	1/2" x 1/4"	70020098	£16.90
TR2-86	1/2" x 3/8"	70020099	£21.50
TR2-104	5/8" x 1/4"	70020100	£20.60
TR2-106	5/8" x 3/8"	70020101	£17.20
TR2-108	5/8" x 1/2"	70020102	£6.44
T1-4A	1/4" x 1/8" MPT	70020103	£8.80
T1-4B	1/4" x 1/4" MPT	70020104	£10.20
T1-4C	1/4" x 3/8" MPT	70020105	£18.10
T6-4	1/4" MFL x 1/4" FFL	70020106	£12.60



EQUAL CONNECTORS

Description	Size	Code	£
U2-4	1/4"	70020021	£4.35
U2-6	3/8"	70020022	£4.50
U2-8	1/2"	70020023	£6.10
U2-10	5/8"	70020024	£10.10
U2-12	3/4"	70020025	£16.15
U2-14	7/8"	70020026	£24.55



FEMALE FLARE CONNECTORS

Description	Size	Code	£
U4-4	1/4"	70020082	£6.00
U4-6	3/8"	70020083	£5.25
U4-8	1/2"	70020084	£9.65
U4-10	5/8"	70020085	£18.30
U4-12	3/4"	70020086	£21.25

FLARE NUT - LONG

Description	Size	Code	£
N4-4	1/4"	70020016	£3.90
N4-6	3/8"	70020017	£4.60
N4-8	1/2"	70020018	£6.00
N4-10	5/8"	70020019	£7.00
N4-12	3/4"	70020020	£12.35

CAP NUT

Description	Size	Code	£
N5-4	1/4"	70020124	£3.45
N5-6	3/8"	70020125	£6.60
N5-8	1/2"	70020126	£9.30
N5-10	5/8"	70020127	£9.95
N5-12	3/4"	70020128	£12.20

EQUAL FLARE TEES

Description	Size	Code	£
T2-4	1/4"	70020087	£10.30
T2-6	3/8"	70020088	£15.10
T2-8	1/2"	70020089	£17.25
T2-10	5/8"	70020090	£19.00
T2-12	3/4"	70020091	£14.43
T2-14	7/8"	70020092	£5.33

REDUCING CONNECTORS

Description	Size	Code	£
UR2-64	3/8" x 1/4"	70020028	£6.25
UR2-84	1/2" x 1/4"	70020030	£7.05
UR2-86	1/2" x 3/8"	70020031	£7.40
UR2-104	5/8" x 1/4"	70020032	£9.15
UR2-106	5/8" x 3/8"	70020033	£21.35
UR2-108	5/8" x 1/2"	70020034	£13.95
UR2-126	3/4" x 3/8"	70020035	£16.40
UR2-128	3/4" x 1/2"	70020036	£18.45
UR2-1210	3/4" x 5/8"	70020037	£16.40
UR2-1412	7/8" x 3/4"	70020038	£3.99

**REDUCERS FEMALE X MALE FLARE**

Description	Size	Code	£
UR3-64	3/8" F FL x 1/4" M FL	70020053	£7.25
UR3-84	1/2" F FL x 1/4" M FL	70020054	£7.65
UR3-46	1/4" F FL x 3/8" M FL	70020055	£5.65
UR3-106	5/8" F FL x 3/8" M FL	70020056	£19.50
UR3-86	1/2" F FL x 3/8" M FL	70020057	£8.55
UR3-48	1/4" F FL x 1/2" M FL	70020058	£8.60
UR3-68	3/8" F FL x 1/2" M FL	70020059	£11.00
UR3-108	5/8" F FL x 1/2" M FL	70020060	£10.90
UR3-128	3/4" F FL x 1/2" M FL	70020061	£18.60
UR3-610	3/8" F FL x 5/8" M FL	70020062	£16.10
UR3-810	1/2" F FL x 5/8" M FL	70020063	£10.80

COUPLING MALE FLARE X FPT

Description	Size	Code	£
U3-4A	1/4" M FL x 1/8" FPT	70020074	£3.90
U3-4B	1/4" M FL x 1/4" FPT	70020075	£7.45
U3-6B	3/8" M FL x 1/4" FPT	70020078	£12.70

**COUPLING FEMALE FLARE X MPT**

Description	Size	Code	£
UM-4A	1/4" F FL x 1/8" MPT	70020068	£4.42
UM-4B	1/4" F FL x 1/4" MPT	70020069	£9.65
UM-6B	3/8" F FL x 1/4" MPT	70020070	£5.48

HALF UNION

Description	Size	Code	£
U1-4A	1/4" M FL x 1/8" MPT	70020039	£3.35
U1-4B	1/4" M FL x 1/4" MPT	70020040	£4.05
U1-6B	3/8" M FL x 1/4" MPT	70020044	£5.75
U1-6C	3/8" M FL x 3/8" MPT	70020045	£5.75

FLARE CROSS

Description	Size	Code	£
C1-4	1/4"	70020108	£3.83

**FUSIBLE PLUGS**

Description	Size	Code	£
FP-A	1/8" MPT	70030019	£11.45
FP-B	1/4" MPT	70030020	£17.80
FP-C	3/8" MPT	70030021	£22.25

**CYLINDER ADAPTORS**

Description	Size	Code	£
K1-4E	3/4" X 1/4" FL	70020149	£15.20
K1-4E	Adapter Gasket	70020150	£3.20

EQUAL FLARE ELBOWS

Description	Size	Code	£
E2-4	1/4"	70020109	£4.80
E2-6	3/8"	70020110	£10.20
E2-8	1/2"	70020111	£10.20
E2-10	5/8"	70020112	£13.25
E2-12	3/4"	70020113	£27.80
E2-14	7/8"	70020114	£20.55

MISC ELBOWS

Description	Size	Code	£
ER2-64	FL ELBOW REDUCING	70020115	£2.66
E1-4A	1/4" M FL x 1/8" MPT	70020116	£6.40
E1-4B	1/4" M FL x 1/4" MPT	70020117	£9.35
E1-6B	3/8" M FL x 1/4" MPT	70020120	£5.80

**FLARE GASKETS**

Description	Size	Code	£
B2-4	1/4"	70020143	£1.05
B2-6	3/8"	70020144	£1.10
B2-8	1/2"	70020145	£1.15
B2-10	5/8"	70020146	£1.20
B2-12	3/4"	70020147	£1.35
B2-14	7/8"	70020148	£3.20

**FLARE BONNETS**

Description	Size	Code	£
B1-4	1/4"	70020137	£0.75
B1-6	3/8"	70020138	£0.95
B1-8	1/2"	70020139	£0.95
B1-10	5/8"	70020140	£1.05
B1-12	3/4"	70020141	£1.35
B1-14	7/8"	70020142	£1.75



ACCESS FITTINGS

Description	Code	£
AV-34	70030003	£3.51
AV3-346	70030004	£2.58
AV-46	70030005	£3.45
AVS-4	70030007	£6.21
AVU-24	70030009	£3.89
AVX-3	70030012	£5.70
AVX-4	70030013	£2.01
AVX-5	70030014	£9.16
AVX-6	70030015	£13.04
AVS-44	70030016	£23.31
VT-44	70030017	£8.01
QC-4	70030030	£0.84
WC-1	70030031	£0.39
E6200	70030018	£9.37
VCR-1	70030037	£9.30

LINE TAP VALVES

Description	Code	£
AP-1	70030001	£19.07
AP-2	70030002	£20.31
CV-1G	70030022	£24.84
CV-2G	70030023	£38.16
LT-3G	70030024	£14.70
LT-4G	70030025	£12.84
LT-5G	70030026	£13.08
LT-6G	70030027	£14.97
LT-8G	70030028	£13.59
LT-10G	70030029	£13.56



BALL VALVES - HENRY

Description	Code	£	With Schraeder Valve	
			Code	£
3/8" SW Ball Valve	70040020	£23.70	70040091	£25.80
1/2" SW Ball Valve	70040021	£24.57	70040092	£26.70
5/8" SW Ball Valve	70040022	£24.96	70040093	£27.06
3/4" SW Ball Valve	70040023	£37.44	70040094	£39.60
7/8" SW Ball Valve	70040024	£41.61		
1.1/8" SW Ball Valve	70040025	£52.05	70040096	£54.24
1.3/8" SW Ball Valve	70040026	£78.01	70040099	£79.80
1.5/8" SW Ball Valve	70040027	£106.77	70040098	£108.96
2.1/8" SW Ball Valve	70040028	£181.26		
2.5/8" SW Ball Valve	70040029	£209.52		
3.1/8" SW Ball Valve	70040030	£324.36		

BALL VALVES - VIRGINIA

Description	Code	£	With Schraeder Valve	
			Code	£
3/8" SW Ball Valve	70040040	£28.56	70040051	£43.71
1/2" SW Ball Valve	70040041	£28.56	70040052	£36.60
5/8" SW Ball Valve	70040042	£24.00	70040053	£37.30
3/4" SW Ball Valve			70040054	£37.91
7/8" SW Ball Valve	70040044	£36.96	70040055	£40.85
1.1/8" SW Ball Valve	70040045	£44.25	70040056	£66.19
1.3/8" SW Ball Valve	70040046	£79.65	70040057	£85.31
1.5/8" SW Ball Valve	70040047	£99.69	70040058	£106.17
2.1/8" SW Ball Valve	70040048	£138.93	70040059	£147.37



HAND VALVES

Description	Code	£
HVS2-4 1/4" SW Line Valve	70040200	£14.31
HVS2-6 3/8" SW Line Valve	70040201	£14.31
HVS2-8 1/2" SW Line Valve	70040202	£16.71
HVS2-10 5/8" SW Line Valve	70040203	£19.35
HVS2-12 3/4" SW Line Valve	70040204	£32.91
HVF2-4 1/4" FL Line Valve	70040220	£14.13
HVF2-6 3/8" FL Line Valve	70040221	£14.13
HVF2-8 1/2" FL Line Valve	70040222	£19.23
HVF2-10 5/8" FL Line Valve	70040223	£19.23
HVF2-12 3/4" FL Line Valve	70040224	£32.91

LINE VALVES

Description	Code	£
CVF2-4 1/4" FL Line Valve	70040205	£15.27
CVF2-6 3/8" FL Line Valve	70040206	£18.24
CVF2-8 1/2" FL Line Valve	70040207	£19.23
CVF2-10 5/8" FL Line Valve	70040208	£19.23
CVF2-12 3/4" FL Line Valve	70040209	£34.53
CVS2-4 1/4" SW Line Valve	70040210	£14.13
CVS2-6 3/8" SW Line Valve	70040211	£14.55
CVS2-8 1/2" SW Line Valve	70040212	£19.11
CVS2-10 5/8" SW Line Valve	70040213	£19.11
CVS2-12 3/4" SW Line Valve	70040214	£32.55
ILV-2 7/8" Line Valve Capped	70040215	£30.21
ILV-2 1 1/8" SW Line Valve	70040216	£41.61
ILV-2 1 3/8" SW Line Valve Capped	70040217	£71.61
ILV-2 1 5/8" SW Line Valve	70040218	£106.26
ILV-2 2 1/8" SW Line Valve Capped	70040219	£174.60



PRESSURE RELIEF VALVES

Description	Code	£
5231as-300psi	70041000	£66.72
5231/A-350psi	70041001	£66.72
5231-Bs/300psi	70041004	£70.14
5231/B-350psi	70041005	£89.04
5232-300psi	70041006	£122.46
5232-350psi	70041007	£117.75
5232-Ce 400psi	70041008	£117.75
5231/A 400psi	70041039	£63.42



3 WAY DUAL SHUT-OFF VALVE

Description	Code	£
925 3-Way Dual Shut-Off Valve	70041019	£132.87



VIBRATION ELIMINATORS		
Description	Code	£
1/4"	70040100	£18.96
3/8"	70040101	£20.25
1/2"	70040102	£21.21
5/8"	70040103	£21.90
3/4"	70040104	£30.18
7/8"	70040105	£28.68
1.1/8"	70040106	£40.14
1.3/8"	70040107	£53.04
1.5/8"	70040108	£83.93
2.1/8"	70040109	£119.28
2.5/8"	70040110	£199.68
3.1/8"	70040111	£320.37



OIL SEPARATORS			
Description	Connection Size	Code	£
S-5180	1/4"	70041030	£212.40
S-5181	3/8"	70050050	£214.17
S-5182 Z	1/2"	70050051	£162.90
S-5185	5/8"	70050052	£222.84
S-5187	7/8"	70050053	£257.76
S-5188	1 1/8"	70050054	£239.07
S-5190	1 3/8"	70050055	£361.17
S-5192Z	1 5/8"	70050056	£369.37
S-5194Z	2 1/8"	70050057	£415.08
S-5581	3/8"	70050058	£127.71
S-5582	1/2"	70050059	£109.08
S-5585-CE	5/8"	70050060	£138.51
S-5588-CE	1 1/8"	70050061	£123.33
S-5590-CE	1 3/8"	70050062	£136.74
S-5885-CE	5/8"	70050063	£156.54
S-5887-CE	7/8"	70050064	£161.28
S-9111	Heater 220V	70041022	£50.16

OIL DIFF SWITCHES			
Description		Code	£
P30-H3601	60 Sec	70060300	£197.73
P30-H3701	90 Sec	70060301	£197.73
P30-5839	120 Sec	70060302	£117.99

SUCTION LINE HEAT EXCHANGERS		
Description	Code	£
SLHE 1/2	70040500	£64.11
SLHE 3/4	70040501	£66.39
SLHE 1	70040502	£69.00
SLHE 1.1/2	70040503	£87.69
SLHE 2	70040504	£112.29
SLHE 3	70040505	£89.46
SLHE 5	70040506	£168.90
SLHE 7.1/2	70040507	£187.05
SLHE 10	70040508	£265.56
SLHE 15	70040509	£318.57
SLHE 20	70040510	£438.06



OIL SEPARATORS			
Description	Connection Size	Code	£
XW-55824	1/2"	70050002	£141.06
XW-55855	5/8"	70050003	£144.45
XW-55877	7/8"	70050004	£156.51
W-55889	1 1/8"	70050005	£168.00
W-559011	1 3/8"	70050006	£177.27
W-559213	1 5/8"	70050007	£195.00
W-569417	2 1/8"	70050008	£259.55



SUCTION ACCUMULATORS			
Description		Code	£
S-7046	3/4"	70050065	£66.48
S-7063	1 3/8"	70050066	£196.89
S-7065	1 5/8"	70050067	£229.05



T/E EXPANSION VALVES - ALCO

Description			Code	£
TI(HW)	R22	Internal	70070080	£32.88
TIE(HW)	R22	External	70070081	£52.31
TI(MW)	R134A	Internal	70070082	£32.88
TIE(MW)	R134A	External	70070083	£52.31
TI(SW)	R404A	Internal	70070084	£50.61
TIE(SW)	R404A	External	70070085	£52.31

T2 EXPANSION VALVES - DANFOSS

Description			Code	£
TX2	R22	Internal	70070003	£75.96
TEX2	R22	External	70070004	£113.46
TN2	R134A	Internal	70070007	£63.06
TEN2	R134A	External	70070008	£97.83
TS2	R404A	Internal	70070009	£63.06
TES2	R404A	External	70070010	£100.92
TZ2	R407C	Internal	70070011	£61.23
TEZ2	R407C	External	70070012	£95.01

ORIFICE - ALCO

Description	Code	£
00X	70070090	£11.38
00	70070091	£11.38
01	70070092	£11.38
02	70070093	£11.38
03	70070094	£11.38
04	70070095	£11.38
05	70070096	£11.38
06	70070097	£11.38

ORIFICE - DANFOSS

Description	Code	£
00	70070020	£23.97
01	70070021	£23.97
02	70070022	£23.97
03	70070023	£23.97
04	70070024	£23.97
05	70070025	£23.97
06	70070026	£23.97

TCLE EXPANSION VALVES - ALCO

Description	Code	£
XB1019HW-1B R22 Power Assembly	70070100	£119.19
XB1019MW-1B R134A Power Assembly	70070101	£115.05
XB1019SW-1B R404A Power Assembly	70070102	£115.05
X22440B3B Orifice	70070120	£49.67
X22440B3.5B Orifice	70070121	£49.67
X22440B4B Orifice	70070122	£49.67
X22440B5B Orifice	70070123	£49.67
X22440B6B Orifice	70070124	£49.67
X22440B7B Orifice	70070125	£49.67
X22440B8B Orifice	70070126	£49.67
C501-7 Flange	70070127	£30.45
A576 Flange	70070128	£35.68
9761-4 Flange	70070129	£35.68

SOLENOID VALVES - ALCO

Description	Code	£
110RB2T2 1/4'SW	70070230	£32.53
200RB3T3 3/8'SW	70070231	£47.06
200RB4T4 1/2'SW	70070232	£50.56
240RA8T5 5/8'SW	70070233	£108.44
240RA9T7 7/8'SW	70070234	£120.68
240RA12T9 1.1/8'SW	70070235	£155.66
240RA16T11 1.3/8'SW	70070236	£354.66
240RA20T13 1.5/8'SW	70070237	£440.05
240RA20T17 2.1/8'SW	70070238	£440.05

SOLENOID COILS - ALCO

Description	Code	£
ASC 24V 50HZ SOLENOID COIL	70070239	£20.48
ASC 120V 50HZ SOLENOID COIL	70070240	£20.48
ASC 230V 50HZ SOLENOID COIL	70070241	£20.48

SOLENOID VALVES - PARKER

Description	Code	£
PM142IR 1/4"FL Solenoid Valve	70070201	£49.77
142AR 3/8"FL Solenoid Valve	70070202	£51.27
145.5AR 1/2"FL Solenoid Valve	70070203	£86.19
145.5BR 5/8"FL Solenoid Valve	70070204	£87.45
142.2ARSP 1/4" Solenoid Valve	70070205	£58.80
145.6IRSP 3/8" Solenoid Valve	70070206	£86.10
145.6ARSP 1/2" Solenoid Valve	70070207	£90.51
145.6BRSP 5/8" SW Solenoid Valve	70070208	£135.81
145.6CRSP 3/4" Solenoid Valve	70070209	£181.47
145.6DRSP 7/8" Solenoid Valve	70070210	£181.47
145.6ERSP 1.1/8" SW Solenoid Valve	70070211	£262.56

SOLENOID COILS - PARKER

Description	Code	£
RT14 Solenoid Coil 240v AC	70070220	£29.79
ZB09 Solenoid Coil 110vAC	70070221	£18.96
ZB09 Solenoid Coil 24vAC	70070222	£27.06
ZB09 Solenoid Coil 12VAC	70070223	£25.77
ZB12 Solenoid Coil 24v DC	70070224	£23.50
ZB12 Solenoid Coil 12V DC	70070225	£39.48
PG 9 Connector For ZB Coil	70070226	£6.81

HOT GAS BYPASS VALVES

Description	Code	£
V16-H0112 3/16" Solenoid Valve	70070505	£15.99
V16-H0115 1/4" Solenoid Valve	70070506	£15.09
L16-H0116 Coil 230v/50Hz	70070507	£23.61
L16-H0158 Coil 115v/60Hz	70070508	£30.00

REVERSING VALVES

Description	Code	£
V1 Reversing Valve 1/2 x 5/16	70070500	£150.33
V2 Reversing Valve 1/2 x 3/8	70070501	£116.61
V6 Reversing Valve 3/4 x 1/2	70070502	£156.27
V10 Reversing Valve 7/8 x 3/4	70070503	£211.50
V1031408010 Reversing Valve	70070504	£209.82
LDK414801057 Coil 230v	70070509	£48.45
LDK114801000 Coil 24v AC	70070510	£32.43
L30734801 Coil 12V DC	70070511	£28.80

CRANKCASE PRESSURE REGULATORS

Description	Code	£
S-12 1/2"FL Crankcase Press Regulator	70070402	£70.38
S-16 5/8"FL Crankcase Press Regulator	70070403	£77.28
CRO-6 5/8"SW CR Press Regulator	70070410	£94.83
CRO-6 7/8"SW CR Press Regulator	70070411	£91.80
CRO-10 1.1/8"SW CR Press Regulator	70070412	£122.43
CRO-10 1.3/8"SW CR Press Regulator	70070413	£140.58
CROT-6 5/8"SW Crankcase Press Regulator	70070404	£92.16
CROT-6 7/8"SW Crankcase Press Regulator	70070405	£92.16
CROT 6 1.1/8" Crankcase Press Regulator	70070406	£98.73
CROT 10 7/8"SW Crankcase Press Regulator	70070407	£155.52
CROT10 1.1/8" CPR 900605	70070408	£206.94
CROT10 1.3/8" Crankcase Press Regulator	70070409	£155.52

EVAPORATOR PRESSURE REGULATORS

Description	Code	£
ORIT-6 7/8"SW 0/50 EV PR Reg	70070414	£119.46
ORIT-6 7/8"SW 30/100 EV PR Reg	70070415	£119.46
ORIT-6 1.1/8"SW 0/50 EV PR Reg	70070416	£119.46
ORIT-6 1.1/8"SW 30/100 EV PR R	70070417	£119.46
ORIT-10 7/8"SW 0/50 EV PR Reg	70070418	£149.61
ORIT-10 1.1/8"SW 0/50 EV P Reg	70070419	£155.31
ORIT-10 1.3/8"SW 0/60 EV Reg	70070420	£168.03
ORIT-10 1.3/8"SW 30/100 EV Reg	70070421	£168.03

CONDENSER PRESSURE REGULATORS

Description	Code	£
ORD-4-20 5/8"SW Cond PR Reg	70070426	£42.78
OROA-5 5/8"SW 100 Cond PR Reg	70070427	£121.77
OROA-5 5/8"SW 180 Cond PR Reg	70070428	£121.77
ORI-6 5/8"SW 100/225 Cond Reg	70070422	£97.95
ORI-6 7/8"SW 100/225 Cond Reg	70070423	£102.42
ORI-6 1.1/8"SW 100/225 Cond Reg	70070424	£102.42
ORI-10 1.3/8"SW Cond PR Reg	70070425	£158.94



RANCO PRESSURE CONTROL

Description	Code	£
016-H6703 LP Auto reset	70060200	£26.58
016-H6705101 LP Control Man R LP Manual reset	70060201	£49.65
016-H6750101 HP Control HP Auto reset	70060202	£27.09
016-H6751 HP Manual reset	70060203	£29.28
017-H4701 LP/HP Auto / Auto reset	70060204	£49.77
017-H4703 LP/HP Manual / Manual reset	70060205	£95.31
017-H4705101 HP/LP Control Man R LP / HP Auto / Manual reset	70060206	£55.86

RANCO ACCESSORIES

Description	Code	£
31696-1 Angle Mounting Bracket	70060309	£2.37
48129-3 Flat Mounting Bracket	70060310	£2.16
V-169 Phial Guard	70060311	£3.63
Pressure coupler - 1.5 Metre	70070130	£14.46
Pressure Coupler - 0.5 Metre	70070138	£4.50

OIL DIFF SWITCHES

Description	Code	£
P30-H3601 Oil-Diff SW: 60sec	70060300	£197.73
P30-H3701 Oil-Diff SW: 90sec	70060301	£197.73
P30-5839 Oil-Diff SW: 120sec	70060302	£117.99

VARIFIX THERMOSTATS

Description	Code	£
VC-1	70060001	£14.49
VA-2	70060002	£16.20
VF-3	70060003	£16.20
VP-4	70060004	£18.12
VS-5	70060005	£20.67
VR-6	70060006	£16.20
VB-7	70060007	£16.41
VW-8	70060008	£22.02
VT-9	70060009	£20.25
VT-93 (VT9-3M CAP)	70060010	£20.31
VTD 9	70060011	£24.75
VXO Warmer / VT-9 Thermostat	70060012	£20.25

RANCO THERMOSTATS

Description	Code	£
016-H6902 Air Coil Thermostat	70060101	£48.06
016-H6921 Standard Capillary Thermostat	70060104	£52.38
016-H6922 Standard Capillary Thermostat	70060105	£54.42
016-H6924 Standard Capillary Thermostat	70060106	£55.86
016-H6930 X-Ambient Thermostat	70060107	£53.64
016-H6950 Bulb Thermostat	70060108	£46.71
016-H6951 Bulb Thermostat	70060109	£48.12
016-H6954 Bulb Thermostat	70060110	£49.98
016-H6980 X-Ambient Thermostat	70060111	£53.64
016-H6981 X-Ambient Thermostat	70060112	£57.36
016-H6983 X-Ambient Thermostat	70060113	£53.64

C17 THERMOSTATS

Description	Code	£
C17-0100 Thermostat	70060303	£81.39
C17-0222 Thermostat	70060304	£79.41

DANFOSS SERVICE THERMOSTATS

Description	Code	£
Service Kit No 1	70060400	£12.51
Service Kit No 2	70060401	£17.07
Service Kit No 3	70060402	£14.31
Service Kit No 4	70060403	£10.17
Service Kit No 5	70060404	£13.05
Service Kit No 6	70060405	£18.03
Service Kit No 7	70060406	£13.47
Service Kit No 8	70060407	£13.05
077B-7029 Change Over Stat No.29	70060408	£23.49
KIT NO.3 Long Capillary	70060409	£16.05

DEFROST TERMINATION CONTROL - RANCO

Description	Code	£
F25-0107	70060308	£81.00
F25-0108	70060323	£100.29

DEFROST TIMERS

Description	Code	£
Universal-R Digital Controller	70060800	£100.60
FLSH 110 11722 Flash Timeclock	70060801	£107.68
14001 Flash Minimat Timer	70060802	£40.95
FLSH100 11721 Flash Timeclock	70060803	£85.65
16022 Flash 24 Hr Timer	70060804	£40.00
16021 Flash 24 Hr Timer	70060805	£55.70
16721 Flash 7 Day Timer	70060806	£67.03
MIL72A/1 24 Hr Time Clock	70060807	£90.80
MIL72A/ESWU2H 24 Hr Time Clock	70060808	£68.22

FAN SPEED CONTROLS

Description	Code	£
HPC 1/4 Fan Speed Control EDC	70060507	£87.61
HPC 5/7 Fan Speed Controller	70060508	£87.78



MULTI-FIT MOTORS

Description	Code	£
5 Watt CCW	70080001	£12.75
7 Watt CCW	70080002	£13.60
10 Watt CCW	70080003	£13.98
16 Watt CCW	70080004	£15.45
18 Watt CCW	70080005	£16.58
25 Watt CCW	70080006	£21.08
34 Watt CCW	70080007	£22.90



RING MOUNTED MOTORS

Watt	Dia	Type	Code	£
5 Watt	154mm	Draw Through	70080020	£23.85
5 Watt	172mm	Draw Through	70080021	£24.35
10 Watt	200mm	Draw Through	70080022	£22.75
10 Watt	230mm	Draw Through	70080023	£24.93
18 Watt	254mm	Draw Through	70080024	£27.80
25 Watt	300mm	Draw Through	70080025	£33.93
5 Watt	154mm	Blow	70080030	£23.85
5 Watt	172mm	Blow	70080031	£24.35
10 Watt	200mm	Blow	70080032	£22.75
10 Watt	230mm	Blow	70080033	£24.93
18 Watt	254mm	Blow	70080034	£27.80
25 Watt	300mm	Blow	70080035	£33.93

TANGENTIAL FAN MOTORS

Watts	Blade Length	Speed	Air Flow	Code	£
15W	90mm	2300rpm	65m³/h	70080300	£29.98
15W	120mm	2200rpm	80m³/h	70080301	£31.98
20w	180mm	2000rpm	120m³/h	70080302	£34.00
30W	240mm	2100rpm	170m³/h	70080303	£38.75
30W	300MM	1900rpm	190m³/h	70080304	£43.00



FAN BLADES

Model	Dia	Code	£
5.5-4-32	140mm CCW	70090001	£6.15
5.5-4-32	140mm CW	70090002	£6.15
6.5-5-31	165mm CCW	70090003	£3.35
6.5-5-31	165mm CW	70090004	£3.35
6-5-31	150mm CCW	70090005	£3.35
6-5-31	150mm CW	70090006	£3.35
7.5-5-31	190mm CCW	70090007	£3.88
7.5-5-31	190mm CW	70090008	£3.88
7-5-31	180mm CCW	70090009	£3.75
7-5-31	180mm CW	70090010	£1.20
8-5-31	200mm CCW	70090011	£4.20
8-5-31	200mm CW	70090012	£4.20
9-5-31	230mm CCW	70090013	£4.45
9-5-31	230mm CW	70090014	£4.45
10-4-24	255mm CCW	70090015	£23.55
10-4-24	255mm CW	70090016	£23.55
10-5-31	255mm CCW	70090017	£4.90
10-5-31	255mm CW	70090018	£4.90
12-4-31	305mm CCW	70090019	£27.85
12-4-31	305mm CW	70090020	£27.05
13-3-31	330mm CCW	70090021	£45.93
14-4-31	355mm CCW	70090022	£29.90
14-4-31	355mm CW	70090023	£29.90
15-4-31	380mm CCW	70090024	£30.95
15-4-31	380mm CW	70090025	£30.95
16-4-31	405mm CCW	70090026	£25.25
16-4-31	405mm CW	70090027	£25.25
18-4-31	455mm CCW	70090028	£43.05
18-4-31	455mm CW	70090029	£35.18
20-4-33	508mm CCW	70090030	£47.65
20-4-33	508mm CW	70090031	£47.65
22-4-31	560mm CCW	70090032	£78.68
10-5-31	255mm CCW	70090033	£4.03



HEATER TAPES

Description	Code	£
CSC2-40 1.0M 40W/M	70061500	£17.98
CSC2-40 2.0M 40W/M	70061501	£22.23
CSC2-40 3.0M 40W/M	70061502	£26.83
CSC2-40 4.0M 40W/M	70061503	£31.20
CSC2-40 5.0M 40W/M	70061504	£35.43
CSC2-40 6.0M 40W/M	70061505	£39.60
IRT-216 Self limiting	70061506	£10.50
IRT-1/16 25M reel	70061507	£28.74



CRANCASE HEATERS

Description	Code	£
FCH 40 180 - 280 mm 55W	70061520	£26.10
FCH 30 150 - 280 mm 45W	70061521	£25.77

TOOLS

80



TC1050



TC1000



208-F



PIPE CUTTERS

Description	Code	£
174-F	80020014	£50.40
TC-1050 'IMP' 1/8" - 5/8"	80020015	£28.53
TC-1000 1/8" - 3/4"	80020016	£48.87
TC-1020 1/8" - 1 1/8"	80020017	£64.20
206-FB 3/8" - 2 5/8"	80020018	£117.42
227-FA 1/8" - 3/4"	80020019	£31.80
312-FC 1/8" - 1 5/8"	80020020	£76.80
406-FA 2" - 4 1/8"	80020021	£268.56

BENDING SPRINGS

Description	Code	£
102-F-04 1/4"	80020001	£5.98
102-F-06 3/8"	80020002	£6.96
102-F-08 1/2"	80020003	£8.58
102-F-10 5/8"	80020004	£9.62
102-F-12 3/4"	80020005	£9.03
102-F-14 7/8"	80020006	£9.06

364-FH



270-F



HB451



370-FH



PIPE BENDERS

Description	Code	£
364FH 3/4"	80020058	£250.50
367-FH 'IMP' 1/8", 3/16", 1/4"	80020059	£51.51
368-FH 'IMP' 1/4", 5/16", 3/8"	80020060	£63.33
370-FH 'IMP' 1/4", 3/8", 1/2"	80010200	£69.27
HB451 1/4"-7/8" Hydraulic	80020125	£659.97
270-F-14 7/8 Gear type bender	80020030	£618.66
270-F-18 1 1/8 Gear type bender	80020031	£613.98
Rothenberger Multi 1/2", 5/8", 3/4", 7/8"	80030032	£171.36

REAMER

Description	Code	£
208-F Inner / Outer reamer	80020025	£33.18

275-FS



RF-888-Z



FTE-800



FLARING / SWAGING TOOLS

Description	Code	£
103-FS 3/4", 7/8"	80020007	£179.82
195-FC 3/16" - 5/8"	80020023	£82.80
203-FA 5/8" - 1 1/8"	80020024	£194.49
500-FC Flaring Tool	80020069	£137.61
500-FC Flaring kit 3/16" - 5/8"	80020070	£84.69
525-F Flaring Tool 3/16 - 5/8"	80020071	£110.67
275-FS Flare / Swage Kit 1/8" - 3/4"	80020032	£225.78
300-FB Flaring Tool 3/16" - 5/8"	80020046	£129.90
FTE-800 Eccentric Flaring Tool	80020220	£299.58
FTE-800 Full kit inc, cutter, ratchet spanner, bending springs, swaging punch, reamer	80020233	£269.97
RF-888-Z Eccentric Flaring Tool	80010170	£260.37
RF-175-FS Flaring and Swaging Tool	80010171	£118.26



TEC7



TUBE EXPANDERS

Description	Code	£
K-Expander Set 1/2" - 1.1/8"	80030041	£772.08
3/8" Expander Head	80030002	£171.12
1/2" Expander Head	80030003	£171.12
5/8" Expander Head	80030004	£171.12
3/4" Expander Head	80030005	£171.12
7/8" Expander Head	80030006	£171.12
1 1/8" Expander Head	80030007	£235.29
1 3/8" Expander Head	80030008	£239.01
1 5/8" Expander Head	80030009	£235.29
TEC-7 Tube expander kit inch 7 heads	80020151	£629.27
Rothenberger Set	80010018	£982.29



BRAZING EQUIPMENT - TORCHES

Description	Code	£
Turbo Set 90 Brazing Kit	80080001	£210.00
Roymat 40L Kit	80030010	£275.40
MP170 Portafume Kit	80030044	£382.95
Super-Fire Brazing Torch	80030051	£137.13
Turbo-Lite 3 Brazing Torch	80030052	£92.76
Turbo Star Brazing Torch	80030053	£60.66
Rotator Set With Maxigas 400	80030047	£66.15
TX504 Turbo Lite Torch	80050300	£89.10
STK11 Turbo Torch	80050306	£116.10
MAG-TORCH Brazing Kit	80080015	£134.32
Roxi Kit 120L	80030069	£369.12



BRAZING EQUIPMENT - GAS

Description	Code	£
Oxygen for Turbo Set 90	80080002	£48.54
Maxi Gas for Turbo Set 90	80080003	£23.16
Gas Refill Mapp Gas 16oz	80030037	£15.90
Maxigas 400 Refill 338gm	80030042	£11.49
Oxygen Gas Cylinder 1.4oz	80050310	£18.60
Oxygen 120L	80030068	£54.06



BRAZING EQUIPMENT - SOLDER/BRAZING RODS

Description	Code	£
Flat Silver Solder Rods	80030036	£3.42
Plumbers Soldering Mat	80030043	£15.42
Phos -2 2mm Diam (1 Kg Pack) (S2)	80030050	£49.47
Solder Paste 8 oz	80060001	£14.64
Solder 1/2Kg reel 1.5mm	80060002	£26.64
Silver Phostube 4oz Pack	80060003	£6.99
Silver Rods 1.5mm Flux Coated	80060004	£14.76
Easyflo Flux Powder 250gm	80060005	£21.54
Silverbraze 30T Solder Rods	80060006	£9.90
Easyflo Flux Powder 500gm	80060007	£34.68
Phosbraze 0 Rods	80060008	£0.57
Phosbraze 2mm Round Rod	80060009	£0.63
Phosbraze 2 Cu to Cu Rods	80060010	£2.64
Silverbraze 30T Solder Rods 2mm x 500mm	80060011	£19.71
Phos 5 Brazing Rod (1Kg Pack)	80060012	£98.61
Phos 2 Brazing Rod (1Kg Pack)	80060013	£49.32
Phosbraze 0 Rods (1Kg pack)	80060014	£43.50
Phosbraze 3mm Cu/Cu	80060015	£4.02



INSPECTION MIRRORS

Description	Code	£
MIR-1	80020133	£13.52
MIR-2	80020134	£15.81
MIR-4	80020135	£10.17
MIR-5	80020136	£6.87



FIN COMBS

Description	Code	£
14401 Multi Fin Comb	80040009	£12.63
P-11 Fin Comb 11/13 Fins/Inch	80040034	£2.22
P-12 Fin Comb 12/14 Fins/Inch	80040035	£2.22
P-8 Fin Comb 8/10 Fins/Inch	80040036	£2.22
P-9 Fin Comb 9/15 Fins/Inch	80040037	£2.22



RATCHET WRENCHES

Description	Code	£
123-C	80020009	£35.70
124-RW	80020010	£34.35
127-RW/10696	80020011	£23.58

PINCH OFF TOOLS

Description	Code	£
105-FF Pinch Off Tool	80020008	£55.88
VG-10 'Lockgrips'	80020159	£51.46
VG-12 Pinch Off Pliers	80020160	£174.18



QUICK COUPLERS

Description	Code	£
16C Quick Couplers	80020012	£36.15
17C Quick Couplers	80020013	£42.63

SOLENOID MAGNETS

Description	Code	£
Solenoid Magnet	80010049	£64.32
SVOM15	80010208	£56.97
SVOM18	80010133	£64.32

Minimax



RG5410A



XTR-PRO



EcoBuddy



EcoWarrior



RECOVERY MACHINES

Model	Refrigerants	KG / HR			Voltage	Kg	Code	£	
		Vapour	Liquid	Push-Pull					
Promax Minimax	Oil-less compressor	All CFC, HCFC & HFC's	17	50	240	220 / 240v 50Hz	12	80070003	£1,459.50
Promax Minimax	Oil-less compressor	All CFC, HCFC & HFC's	17	50	240	110v 60Hz	12	80070004	£1,459.50
Promax RG5410A	Oil-less compressor	All CFC, HCFC & HFC's	33	80	380	220 / 240v 50Hz	14	80070001	£2,151.51
Promax RG5410A	Oil-less compressor	All CFC, HCFC & HFC's	33	80	380	110v 60Hz	14	80070002	£2,151.51
Javac XTR-PRO	Oil free compressor	All CFC, HCFC & HFC's	17	100	400	220 / 240v 50Hz	11.5	80010157	£1,467.90
Javac XTR-PRO	Oil free compressor	All CFC, HCFC & HFC's	17	100	400	110v 60Hz	11.5	80010158	£1,467.90
EcoBuddy	Oil-less compressor	All CFC, HCFC & HFC's	30	80	320	220 / 240v 50Hz	12.5	80070101	£1,320.00
EcoBuddy	Oil-less compressor	All CFC, HCFC & HFC's	30	80	320	110v 60Hz	12.5	80070100	£1,320.00
EcoWarrior	Oil-less compressor	All CFC, HCFC & HFC's	30	80	320	220 / 240v 50Hz	12.5	80070103	£1,173.30
EcoWarrior	Oil-less compressor	All CFC, HCFC & HFC's	30	80	320	110v 60Hz	12.5	80070102	£1,173.30
Blue-R (Dual Voltage)	Oil-less compressor	All CFC, HCFC & HFC's	15	110	334	110v 60Hz / 220v 50Hz	18	80020255	£1,710.00

Javac CC141



Robinair 15401



MK-120/180



VACUUM PUMPS

Model		Nominal Displacement	Micron	Voltage	Kg	Code	£
Javac CC31	2 stage	40 l/min / 1.4 cfm	25	110 / 240v 50Hz	9.8	80010163	£345.00
Javac CC141	2 stage	140 l/min / 5 cfm	25	110 / 240v 50Hz	12	80010164	£402.00
Robinair 15401	2 stage	93 l/min / 3.3 cfm	20	110v 60Hz / 240v 50Hz	12	80040013	£734.85
Robinair 15601	2 stage	5 cfm	20	110v 60Hz / 240v 50Hz	12	80040014	£784.80
MK-120-DS/DV	2 stage	132 l/min	15	110v 60Hz / 240v 50Hz	12	80020237	£568.50
MK-180-DS/DV	2 stage	176 l/min	12	110v 60Hz / 240v 50Hz	14	80020218	£735.00

VG64



CR2-40



VACUUM GAUGES

Description	Code	£
Javac Digital VG64	80010030	£296.40
4" Torr Gauge	80040038	£376.95
Javac CR2-40	80010165	£294.00

D-Tek Select



XP-1A



ITE XTRA



REFRIGERANT LEAK DETECTORS

Description	Code	£
Tek-Mate	80010098	£306.00
D-Tek Select	80010065	£660.00
TIF XP-1A - HFC & HCFC	80010501	£311.07
ITE Xtra Detector	80020126	£436.32
ITE Xtra Kit includes gloves, goggles, 10 spare shraeder cores	80020127	£74.97

MIMIC Universal A/C Unit remote control

Description	Code	£
Mimic	80080004	£87.48



LEAK DETECTION SPRAYS

Description	Code	£
Gotec Leak Detection Spray	40020100	£19.80
LT 45 Leak Detection Spray	40020101	£20.07

THERMOMETERS

Description	Code	£
TN2 Infrared Thermometer	80010172	£84.00
DT-1630 Handheld Digital Thermometer	80020243	£48.96
DTH-1628 Handheld Digital Hygrometer	80020304	£71.37



WS-055

REF-METER



REFRIGERANT WEIGHING SCALES

Description	Code	£
TIF-9010-A Charging Scales 50Kg	80010095	£437.76
TIF-9030 Charging Scales 100Kg	80010500	£299.07
Vetek Heavy Duty Scales 100Kg	80010105	£612.00
WS-055 Charging Scale 50Kg	80020214	£297.84
Pro Charge Weighting Scale	80010221	£294.00
Wey Tek 110Kg	80010222	£336.00
WS-150 Charging Scale 150Kg	80020195	£312.00
WAccu Charge II 110Kg	80010156	£396.00

M4-3-Deluxe-DS-R410A



Refco 2 Valve



BM2-3-DS



Digimon



MANIFOLDS - JAVAC

Model	Code	£
M2-3-Deluxe-DS-R22/R134a/R404A Two Way with sight glass, Oil filled bellow gauges, hook, 3 x 36° charging lines 1/4" SAE, sturdy plastic case	80010066	£413.85
M2-3-Deluxe-DS-R410 Two Way with sight glass, Oil filled bellow gauges, hook, 3 x 36° charging lines 1/2" -20 UNF (blue & red) 1/4" SAE yellow, sturdy plastic case	80010067	£450.33
M4-3-Deluxe-DS-R22/R134a/R404A Four Way with sight glass, Oil filled bellow gauges, hook, 3 x 60° charging lines 1/2" -20 UNF (blue & red) 1/4" SAE yellow, 1 x 60° vacuum hose 3/8" SAE sturdy plastic case	80010068	£523.53
BM2-6DS R22 Manifold Bypass Set Two Way with sight glass, Bourdon gauges, hook, 3 x 36° charging lines 1/4" SAE	80010069	£143.64
M4-3-Deluxe-DS-R407C/R134a/R404A Four Way with sight glass, Oil filled bellow gauges, hook, 3 x 60° charging lines 1/2" -20 UNF (blue & red) 1/4" SAE yellow, 1 x 60° vacuum hose 3/8" SAE sturdy plastic case	80010070	£523.53
M2-3-Deluxe-DS-R407C/R134a/R404A Two Way with sight glass, Oil filled bellow gauges, hook, 3 x 36° charging lines 1/4" SAE, sturdy plastic case	80010071	£413.94
M2-6-M-R407C/R134a/R404A Two Way with sight glass, standard bellow gauges, hook, 3 x 36° charging lines 1/4" SAE	80010001	£264.66
M2-6-DS-R134A Two Way with sight glass, standard bellow gauges, hook, 3 x 36° charging lines 1/4" SAE	80010002	£264.66
BM2-3-DS-Super Two Way with sight glass, Bourdon gauges pressure scale DS including 8 SNAP ON temperature scales, hook, 3 x 36° charging lines 1/4" SAE, sturdy plastic case	80010108	£254.82
BM2-8-DS-R22/R134a/R404A Two Way with sight glass, Bourdon gauges, hook, without accessories	80010109	£111.18
BM4-8-DS-R22/R134a/R404A Four Way with sight glass, Bourdon gauges, hook, without accessories	80010110	£190.08
BM2-6-DS-R407C/R134a/R404A Two Way with sight glass, Bourdon gauges, hook, 3 x 36° charging lines 1/4" SAE	80010102	£143.64
BM4-3-DS-Super Four Way with sight glass, Bourdon gauges pressure scale DS including 8 SNAP ON temperature scales, hook, 3 x 36° charging lines 1/4" SAE, sturdy plastic case	80010115	£317.16
BM2-3-DS-R410A Two Way with sight glass, Bourdon gauges, hook, 3 x 36° charging lines 1/2" -20 UNF (blue & red) 1/4" SAE yellow, sturdy plastic case	80010116	£198.54
BM2-3-CLIM R22/R407C/R410A Two Way with sight glass, Bourdon gauges, hook, 3 x 36° charging lines 1/4" SAE, as well as 2 x 36° charging lines 1/2" - 20UNF connection on one end, sturdy plastic case	80010141	£226.68
Digimon Two Way Digital Manifold, 3 x 150cm charging lines, sturdy plastic case	80010178	£551.67

2812BPC



R410A GAUGE



MANIFOLDS - ITE

Model	Code	£
40153 Robinair Manifold Set Two Way Manifold, gauges, hook, 3 x 36" charging lines 1/4" SAE	80040024	£90.18
2812BC/4 2-V. R134a/R404A Two Way Manifold with sight glass, Pulse free gauges, hook, 3 x 36" charging lines 1/4" SAE	80020041	£199.65
2814BC/247 4-V - R134a/R404A Manifold Two Way Manifold, Class 1.6 gauges for R410A, hook, 3 x 36" heavy duty charging lines 5/16" (blue & red) 1/4" SAE (yellow)	80020043	£321.18
2812BPC 2-V R410A Four Way Manifold with sight glass, Pulse free gauges, hook, 3 x 36" charging lines 1/4" SAE	80020320	£233.34

Dima 4



MANIFOLDS - ITE

Model	Code	£
DIMA-4 Manifold Set C/W Hoses	80020306	£870.00

DIMA-4 FEATURES AND SPECIFICATIONS

- Suitable for more than 50 refrigerants like e.g.: R134a, R2090a, R407c, R410a, R404a, R600a, 1234yf, R744 (CO2), ...
- Possibility to add new refrigerants (will need re-programming).
- Liquid or vapour (possibility to switch between LOW and HIGH) indication with non-azeotropic refrigerants (e.g. R-407c).
- Measuring of vacuum on both working lines (0,01 bar).
- Max operating pressure: 56bar.
- Accuracy better than 1% off scale.
- 4-way manifold piston type (low, high, ref, vac).
- Sight glass.
- Includes 2 type K temperature probes (3m cable), measurement readable in °C & °F.
- Calculation of the difference between temperatures T1 and T2.
- 1 ambient temperature sensor.
- 2 high quality ceramic pressure sensors (range -0,99 till 49,90bar), measurement readable in bar, MPa and psi.
- Subcooling & superheating calculation function



GAUGES

Model	Code	£
R5-320-DS-R22 Oil Filled Red Discharge Gauge	80010079	£177.33
R5-220-DS-R22 Oil Filled Blue Compound Gauge	80010080	£177.33
R5-220-DS-R134a Oil Filled Blue Compound Gauge	80010008	£177.33
R5-320-DS-R134a Oil Filled Red Discharge Gauge	80010009	£177.33
R3-320-DS-R407C Oil Filled Red Discharge Gauge	80010010	£142.44
R3-220-DS-R407C Oil Filled Blue Compound Gauge	80010011	£142.44
R3-320-DS-R22 Oil Filled Red Discharge Gauge	80010081	£143.55
R3-220-DS-R22 Oil Filled Blue Compound Gauge	80010013	£142.44
823-BC/4 Red Pressure Gauge R134a/R404A	80020085	£24.78
823-BPC Red Pressure Gauge 1/8" Npt R22	80020086	£24.78
825-BC/4 Blue Compound Gauge R134a/R404A	80020087	£24.78
825-BPC Blue Compound Gauge 1/8" Npt R22	80020088	£24.78
625-BPC Blue Low Press Gauge 1/8npt R22	80020142	£14.79
623-BPC Red High Press Gauge 1/8" Npt R22	80020143	£14.79
823-S-BC-1.0 1/4"FI Red Hp Pressure Gauge R22	80020144	£24.78
823-S-BPC 1/4fi Red Pressure Gauge R22	80020145	£24.78
825-S-BC 1/4fi Blue Compound Gauge R22 Bar/Psi/C	80020146	£24.78
825-S-BPC 1/4fi Blue Compound Gauge R22 Bar/Psi/C	80020147	£24.78

HOSES

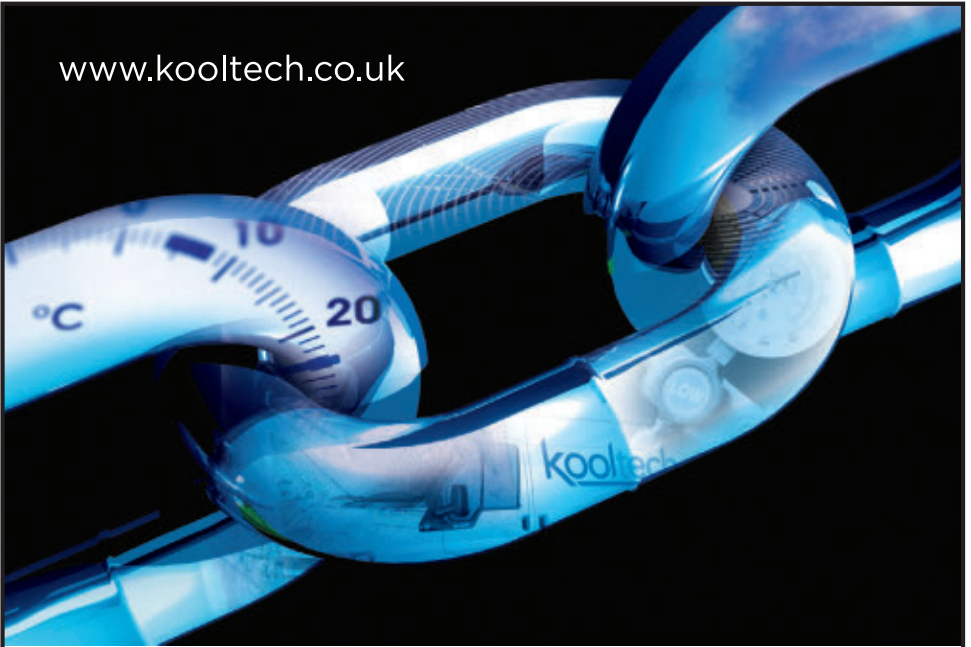
Model	Code	£
E-336FT Charging Line 36" x 1/4"	80020109	£13.94
E-372FT Charging Line 72" x 1/4"	80020113	£23.37
E303-FT-036 Charge Line Set 3x36"	80020108	£45.78
E303-FT-072 Charge Line Set 72"	80020047	£66.30
E536FTY Charging Line 36" x 3/8"	80020072	£42.78
CCL-72 Charging Line Set	80010077	£55.05
CCL-36 Charging Line Set (3 X 36")	80010003	£41.31
CA-CCL-36" Charging Lines c/w Ball Valve	80010088	£94.41
CA-CCL-60" Charging Lines c/w Ball Valve	80010056	£108.24
CA-CCL-72" Charging Lines c/w Ball Valve	80010089	£110.64
CA-1/4"-SAE-Y-Ball Valve	80010090	£23.16
CA-1/4"-SAE-R-Ball Valve	80010091	£23.16
4493525-CA-1/4"-SAE-B- Ball Valve	80010092	£23.16
HCL6-72" 3/8" Heavy Duty Lines	80010103	£31.89
CL-72 72" Charging Line - Blue	80010117	£19.83
CL-72 72" Charging Line - Red	80010118	£19.83
CL-72 72" Charging Line - Yellow	80010119	£19.83
CA-CL-72 Hose Ball Valve - Blue	80010120	£37.56
CA-CL-72 Hose Ball Valve - Red	80010121	£37.56
CA-CL-72 Hose Ball Valve - Yellow	80010122	£37.56
3HDS 36V Heavy Duty Hose Set c/w ball valves	80020325	£109.17
3HDS 6 36 B/V Blue Heavy Duty Hose c/w ball valves	80020326	£39.06
3HDS 6 36 Y/V Yellow Heavy Duty Hose c/w ball valves	80020327	£39.06



AUTOMOTIVE COUPLERS

Model	Code	£
QVA-05 3/8" Coupler (254-A)	80020282	£46.89
QVA-03 3/8" Coupler (253-A)	80020283	£46.89

www.kooltech.co.uk



Your national supply chain...

National providers of air conditioning and refrigeration solutions with extensive stock of complete systems, ancillary packages, accessories and tools available for collection or timed delivery from branches across the UK including: Aberdeen, Glasgow, Gateshead, Manchester, Birmingham, Heathrow, Crayford and Fareham

kooltech

0141 883 0447

 **MITSUBISHI
ELECTRIC**
AIR CONDITIONING SYSTEMS



ABERDEEN

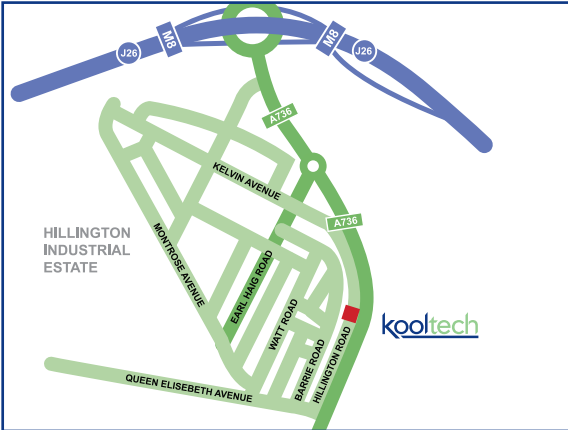
Unit 17 Ocean Trade Centre,
Minto Avenue, Alrens Industrial Estate,
Aberdeen, AB12 3JZ

Telephone : 01224 292690

Fax : 01224 870905

Email : aberdeen.branch@kooltech.co.uk

EMERGENCY CALL OUT NUMBER
07850 045711



GLASGOW – Head Office

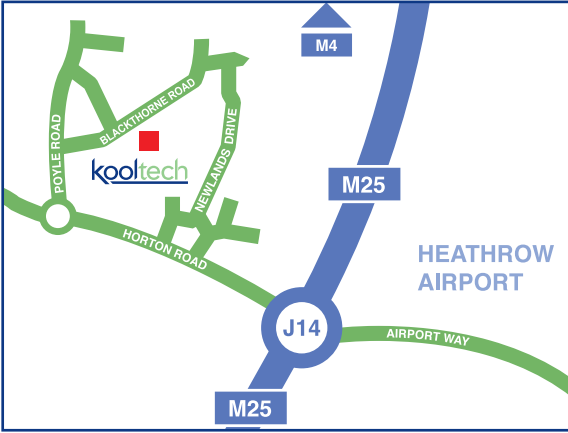
433 – 437 Hillington Road,
Hillington Industrial Estate, Glasgow, G52 4BL

Telephone : 0141 883 0447

Fax : 0141 883 3483

Email : glasgow.branch@kooltech.co.uk

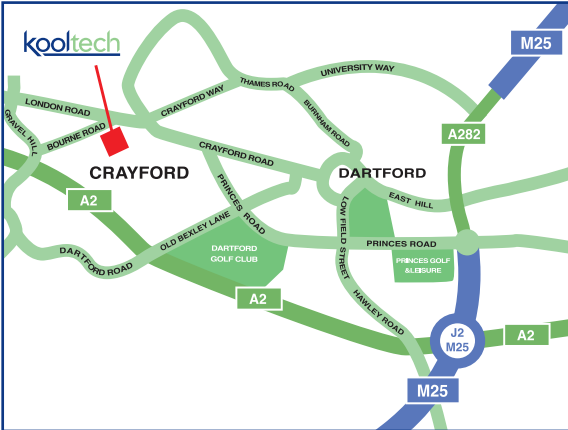
EMERGENCY CALL OUT NUMBER
07795 650639



HEATHROW

Unit 19 Trident Industrial Estate,
Blackthorne Road, Poyle, Colnbrook,
Berkshire, SL3 0AX
Telephone : 01753 210420
Fax : 01753 684167
Email : london.branch@kooltech.co.uk

EMERGENCY CALL OUT NUMBER
07778 667734



CRAYFORD

Unit 31 Mulberry Court, Bourne Industrial Park,
Crayford, Kent, DA1 4BF
Telephone : 01322 528537
Fax : 01322 554064
Email : crayford.branch@kooltech.co.uk

EMERGENCY CALL OUT NUMBER
07818 403305



FAREHAM

Unit 9 Standard Way, Fareham Industrial Park,
Broadcut, Fareham, Hampshire, PO16 8XB
Telephone : 01329 231166
Fax : 01329 231177
Email : fareham.branch@kooltech.co.uk

EMERGENCY CALL OUT NUMBER
07795 650642

TEMPERATURE CONVERSION

°C	(←)	°F
-45.6	-50	-58.0
-45.0	-49	-56.2
-44.4	-48	-54.4
-43.9	-47	-52.6
-43.3	-46	-50.8
-42.8	-45	-49.0
-42.2	-44	-47.2
-41.7	-43	-45.4
-41.1	-42	-43.6
-40.6	-41	-41.8
-40.0	-40	-40.0
-39.4	-39	-38.2
-38.9	-38	-36.4
-38.3	-37	-34.6
-37.8	-36	-32.8
-37.2	-35	-31.0
-36.7	-34	-29.2
-36.1	-33	-27.4
-35.6	-32	-25.6
-35.0	-31	-23.8
-34.4	-30	-22.0
-33.9	-29	-20.2
-33.3	-28	-18.4
-32.8	-27	-16.6
-32.2	-26	-14.8
-31.7	-25	-13.0
-31.1	-24	-11.2
-30.6	-23	-9.4
-30.0	-22	-7.6
-29.4	-21	-5.8
-28.9	-20	-4.0
-28.3	-19	-2.2
-27.8	-18	-0.4
-27.2	-17	1.4
-26.7	-16	3.2
-26.1	-15	5.0
-25.6	-14	6.8
-25.0	-13	8.6
-24.4	-12	10.4
-23.9	-11	12.2
-23.3	-10	14.0
-22.8	-9	15.8
-22.2	-8	17.6
-21.7	-7	19.4
-21.1	-6	21.2
-20.6	-5	23.0
-20.0	-4	24.8
-19.4	-3	26.6
-18.9	-2	28.4
-18.3	-1	30.2
-17.8	0	32.0
-17.2	1	33.8
-16.7	2	35.6
-16.1	3	37.4
-15.6	4	39.2
-15.0	5	41.0
-14.4	6	42.8
-13.9	7	44.6
-13.3	8	46.4
-12.8	9	48.2
-12.2	10	50.0
-11.7	11	51.8
-11.1	12	53.6
-10.6	13	55.4
-10.0	14	57.2
-9.4	15	59
-8.9	16	60.8
-8.3	17	62.6
-7.8	18	64.4
-7.2	19	66.2
-6.7	20	68

°C	(←)	°F
-6.1	21	69.8
-5.6	22	71.6
-5.0	23	73.4
-4.4	24	75.2
-3.9	25	77
-3.3	26	78.8
-2.8	27	80.6
-2.2	28	82.4
-1.7	29	84.2
-1.1	30	86
-0.6	31	87.8
0.0	32	89.6
0.6	33	91.4
1.1	34	93.2
1.7	35	95
2.2	36	96.8
2.8	37	98.6
3.3	38	100.4
3.9	39	102.2
4.4	40	104
5.0	41	105.8
5.6	42	107.6
6.1	43	109.4
6.7	44	111.2
7.2	45	113
7.8	46	114.8
8.3	47	116.6
8.9	48	118.4
9.4	49	120.2
10.0	50	122
10.6	51	123.8
11.1	52	125.6
11.7	53	127.4
12.2	54	129.2
12.8	55	131
13.3	56	132.8
13.9	57	134.6
14.5	58	136.4
15.0	59	138.2
15.6	60	140
16.1	61	141.8
16.7	62	143.6
17.2	63	145.4
17.8	64	147.2
18.3	65	149
18.9	66	150.8
19.4	67	152.6
20.0	68	154.4
20.6	69	156.2
21.1	70	158
21.7	71	159.8
22.2	72	161.6
22.8	73	163.4
23.3	74	165.2
23.9	75	167
24.4	76	168.8
25.0	77	170.6
25.6	78	172.4
26.1	79	174.2
26.7	80	176
27.2	81	177.8
27.8	82	179.6
28.3	83	181.4
28.9	84	183.2
29.4	85	185
30.0	86	186.8
30.6	87	188.6
31.1	88	190.4
31.7	89	192.2
32.2	90	194
32.8	91	195.8

°C	(←)	°F
33.3	92	197.6
33.9	93	199.4
34.4	94	201.2
35.0	95	203.0
35.6	96	204.8
36.1	97	206.6
36.7	98	208.4
37.2	99	210.2
37.8	100	212.0
38.3	101	213.8
38.9	102	215.6
39.4	103	217.4
40.0	104	219.2
40.6	105	221.0
41.1	106	222.8
41.7	107	224.6
42.2	108	226.4
42.8	109	228.2
43.3	110	230.0
43.9	111	231.8
44.4	112	233.6
45.0	113	235.4
45.6	114	237.2
46.1	115	239.0
46.7	116	240.8
47.2	117	242.6
47.8	118	244.4
48.3	119	246.2
48.9	120	248.0
49.4	121	249.8
50.0	122	251.6
50.6	123	253.4
51.1	124	255.2
51.7	125	257.0
52.2	126	258.8
52.8	127	260.6
53.3	128	262.4
53.9	129	264.2
54.4	130	266.0
55.0	131	267.8
55.6	132	269.6
56.1	133	271.4
56.7	134	273.2
57.2	135	275.0
57.8	136	276.8
58.3	137	278.6
58.9	138	280.4
59.4	139	282.2
60.0	140	284.0
60.6	141	285.8
61.1	142	287.6
61.7	143	289.4
62.2	144	291.2
62.8	145	293.0
63.3	146	294.8
63.9	147	296.6
64.4	148	298.4
65.0	149	300.2
65.6	150	302.0
66.1	151	303.8
66.6	152	305.6
67.2	153	307.4
67.8	154	309.2
68.3	155	311.0
68.9	156	312.8
69.4	157	314.6
70.0	158	316.4
70.6	159	318.2
71.1	160	320.0
71.7	161	321.8
72.2	162	323.6

°C	(←)	°F
72.8	163	325.4
73.3	164	327.2
73.9	165	329.0
74.4	166	330.8
75.0	167	332.6
75.5	168	334.4
76.1	169	336.2
76.7	170	338.0
77.2	171	339.8
77.8	172	341.6
78.3	173	343.4
78.9	174	345.2
79.4	175	347.0
80.0	176	348.8
80.5	177	350.6
81.1	178	352.4
81.7	179	354.2
82.2	180	356.0
82.8	181	357.8
83.3	182	359.6
83.9	183	361.4
84.4	184	363.2
85.0	185	365.0
85.5	186	366.8
86.1	187	368.6
86.7	188	370.4
87.2	189	372.2
87.8	190	374.0
88.3	191	375.8
88.9	192	377.6
89.4	193	379.4
90.0	194	381.2
90.5	195	383.0
91.1	196	384.8
91.7	197	386.6
92.2	198	388.4
92.8	199	390.2
93.3	200	392.0
93.9	201	393.8
94.4	202	395.6
95.0	203	397.4
95.5	204	399.2
96.1	205	401.0
96.7	206	402.8
97.2	207	404.6
97.8	208	406.4
98.3	209	408.2
98.9	210	410.0
99.4	211	411.8
100.0	212	413.6
100.5	213	415.4
101.1	214	417.2
101.7	215	419.0
102.2	216	420.8
102.8	217	422.6
103.3	218	424.4
103.9	219	426.2
104.4	220	428.0
105.0	221	429.8
105.5	222	431.6
106.1	223	433.4
106.6	224	435.2
107.2	225	437.0
107.8	226	438.8
108.3	227	440.6
108.9	228	442.4
109.4	229	444.2
110.0	230	446.0
110.5	231	447.8
111.1	232	449.6
111.6	233	451.4

Select the temperature to be converted in the CENTRE column. To convert to °C refer to LEFT column. To convert to °F refer to right column. e.g. 5°F = -15.0°C or 5°C = 41.0°F.

KOOLTECH ABERDEEN

Unit 17 Ocean Trade Centre, Minto Avenue,
Altens Industrial Estate, Aberdeen, AB12 3JZ
Telephone : 01224 292690 – Fax : 01224 870905
Email : aberdeen.branch@kooltech.co.uk

KOOLTECH GLASGOW – Head Office

433 – 437 Hillington Road, Hillington Industrial Estate,
Glasgow, G52 4BL
Telephone : 0141 883 0447 – Fax : 0141 883 3483
Email : glasgow.branch@kooltech.co.uk

KOOLTECH GATESHEAD

Unit 2 Stirling Court, Team Valley Trading Estate,
Gateshead, Tyne and Wear, NE11 0JF
Telephone : 0191 482 3008 – Fax : 0191 491 4735
Email : newcastle.branch@kooltech.co.uk

KOOLTECH MANCHESTER

Unit 13 Wheel Forge Way, Off Ashburton Road West,
Trafford Park, Manchester, M17 1EH
Telephone : 0161 877 6663 – Fax : 0161 877 6664
Email : manchester.branch@kooltech.co.uk

KOOLTECH BIRMINGHAM

Unit 8 Forge Mills Park, Station Road,
Coleshill, Birmingham, B46 1JH
Telephone : 01675 465555 – Fax : 01675 464450
Email : birmingham.branch@kooltech.co.uk

KOOLTECH HEATHROW

Unit 19 Trident Industrial Estate, Blackthorne Road,
Poyle, Colnbrook, Berkshire, SL3 0AX
Telephone : 01753 210420 – Fax : 01753 684167
Email : london.branch@kooltech.co.uk

KOOLTECH CRAYFORD

Unit 31 Mulberry Court, Bourne Industrial Park,
Crayford, Kent, DA1 4BF
Telephone : 01322 528537 – Fax : 01322 554064
Email : crayford.branch@kooltech.co.uk

KOOLTECH FAREHAM

Unit 9 Standard Way, Fareham Industrial Park,
Broadcut, Fareham, Hampshire, PO16 8XB
Telephone : 01329 231166 – Fax : 01329 231177
Email : fareham.branch@kooltech.co.uk

KOOLTECH TECHNICAL NUMBER

Telephone : 01329 848540



www.kooltech.co.uk

kooltech