

MACSCOOL CATALOGUE

AIR-CONDITIONING, REFRIGERATION EQUIPMENT & SPARES



MACSCOOL
www.macscool.co.za

REFRIGERATION & AIR-CONDITIONING WHOLESALE



TERMS AND CONDITIONS OF SALE

The purchaser hereby acknowledges that the sale will be subject to the following terms and conditions:

The purchaser hereby acknowledges that the sale will be subject to the following terms and conditions:

- A. All payments will be due 30 days from statement if sold on account. A 1.5% settlement discount is allowed for payment received by the 25th day of the month following delivery.
- B. All prices, including prices on orders not yet executed, will remain subject to change until date of delivery.
- C. Interest will be payable on all outstanding amounts which are due and payable calculated at the rate of 2.5% per month, capitalized monthly.
- D. Any amounts due to the company which are outstanding longer than 60 days following the month of delivery will render the account delinquent and the company reserves the right to suspend outstanding orders and/or modify future discounts and/or payment terms.
- E. We are obligated to notify Credit Guarantee once an account has exceeded its terms.
- G. Items sold on COD will not be dispatched until EFT payments are verified with our bank. Card payment facilities are available at branches.

In the respect of all goods sold to the purchaser by the seller:

- A. Ownership will remain vested in the seller until payment of the full purchase price is received by seller.
- B. The goods will remain moveable property despite the intention and means to install the goods; and
- C. The risk will pass to the purchaser on delivery/collection or date of purchase/payment, whichever occurs first.
- D. The purchaser shall be precluded from raising any complaints or grounds of dispute in writing within 10 days from date of the relevant invoice.
- E. Claims for shortages must be made in writing within 1 day of receipt of the order
- F. Goods shipped under deposit remain property of MACS and must be returned within a reasonable time period.

In the respect of all goods returned to the seller by the purchaser:

Goods sold will not be returnable except at the option of the seller on such terms and conditions as the seller in its sole discretion may determine.

- A. Goods may only be returned with our written consent.
- B. Carriage/ Transport must be paid by the purchaser.
- C. The invoice against which the goods were originally supplied must be submitted.
- D. We reserve the right to charge a 20% handling fee.
- E. Return of goods within 14 days from receipt of consent from MACS.
- F. MACS is limited to the replacement or credit for any defective item, and shall in no event be liable for any direct, indirect or consequential damage howsoever arising. A limited warranty is supplied on electrical parts and components.

The purchaser will be liable for all legal costs and other expenses incurred by the seller in relation to any contract between the purchaser and the seller, including all costs on the sale as between attorney and own client, collection commission and tracer's charges. If the purchaser institutes any action against the seller, or defends any action by the seller, the purchaser shall pay R5 000,00 into Court or furnish security for costs in the amount of at least R5 000,00. The purchaser specifically agrees that it will not be necessary for the seller to furnish any security in terms of Rule 62 of the magistrates Court Act. GOODS CORRECTLY SUPPLIED ARE NOT RETURNABLE FOR CREDIT WITHOUT PRIOR NOTICE AND CONSENT.

COMPRESSOR WARRANTY POLICY

- Compressors have a FACTORY warranty, thus, if compressor fails due to factory fault only.
- Valid for 12 months starting from date reflecting on the invoice.

Electrical

- Only start up warranty.
- The onus lies with the customer to make sure the start and run windings connected correctly according to instructions. C, S, R -Wiring correct.
- **Failure as a result of load shedding/excessive voltage fluctuations will not be covered under warranty.**

Onus on customer when replacing a compressor:

- Correct sizing of compressor for the system.
- What was the cause of previous compressor failure?
- Make sure there is no blockage within the system.
- Make sure system is flushed with correct flushing agent.
- New filter dryer is installed.
- Correct oil & oil level of system has been checked.
- Vacuum has been sufficiently reached (500 microns).
- Over/under charging of system – no warranty
- Circuit breakers to be checked or replaced.
- Only qualified technicians to operate equipment.
- Electrical wiring to compressor is done to supplier specs.
- Correct voltage is supplied to the compressor.
- Compressor used for correct application, "LBP,MBP,CBP,HBP"



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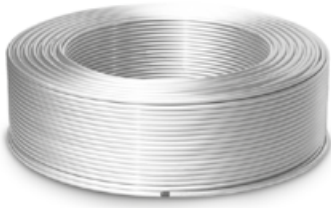
Soft Drawn Copper: Coils

ITEM	DESCRIPTION & SPECIFICATION
TTRC-14-1.5M	Tubing, Maksal, Copper, Soft Drawn, Excluding R410A, 1/4" [6.35mm], WT 0.61mm, Length [1.5m]
TTRC-38-1.5M	Tubing, Maksal, Copper, Soft Drawn, Excluding R410A, 3/8" [9.53mm], WT 0.61mm, Length [1.5m]
TTRC-12-1.5M	Tubing, Maksal, Copper, Soft Drawn, Excluding R410A, 1/2" [12.7mm], WT 0.71mm, Length [1.5m]
TTRC-58-1.5M	Tubing, Maksal, Copper, Soft Drawn, Excluding R410A, 5/8" [15.88mm], WT 0.71mm, Length [1.5m]
TTRC-34-1.5M	Tubing, Maksal, Copper, Soft Drawn, Excluding R410A, 3/4" [19.05mm], WT 0.81mm, Length [1.5m]
TTRC-316-15-MKS	Tubing, Maksal, Copper, Soft Drawn, Excluding R410A, 3/16" [4.76mm], WT 0.61mm, Roll [15.24m]
TTRC-516-15-MKS	Tubing, Maksal, Copper, Soft Drawn, Excluding R410A, 5/16" [7.94mm], WT 0.61mm, Roll [15.24m]
TTRC-14-15-MKS	Tubing, Maksal, Copper, Soft Drawn, Excluding R410A, 1/4" [6.35mm], WT 0.61mm, Roll [15.24m]
TTRC-38-15-MKS	Tubing, Maksal, Copper, Soft Drawn, Excluding R410A, 3/8" [9.53mm], WT 0.61mm, Roll [15.24m]
TTRC-12-15-MKS	Tubing, Maksal, Copper, Soft Drawn, Excluding R410A, 1/2" [12.7mm], WT 0.71mm, Roll [15.24m]
TTRC-58-15-MKS	Tubing, Maksal, Copper, Soft Drawn, Excluding R410A, 5/8" [15.88mm], WT 0.71mm, Roll [15.24m]
TTRC-34-15-MKS	Tubing, Maksal, Copper, Soft Drawn, Excluding R410A, 3/4" [19.05mm], WT 0.81mm, Roll [15.24m]
TTRC-78-15-MKS	Tubing, Maksal, Copper, Soft Drawn, Excluding R410A, 7/8" [22.23mm], WT 1.02mm, Roll [15.24m]
TTRC-410A-14-MKS	Tubing, Maksal, Copper, Soft Drawn, R410A, 1/4" [6.35mm], WT 0.91mm, Roll [15.24m]
TTRC-410A-38-MKS	Tubing, Maksal, Copper, Soft Drawn, R410A, 3/8" [9.53mm], WT 0.91mm, Roll [15.24m]
TTRC-410A-12-MKS	Tubing, Maksal, Copper, Soft Drawn, R410A, 1/2" [12.7mm], WT 0.91mm, Roll [15.24m]
TTRC-410A-58-MKS	Tubing, Maksal, Copper, Soft Drawn, R410A, 5/8" [15.88mm], WT 0.91mm, Roll [15.24m]
TTRC-410A-34-MKS	Tubing, Maksal, Copper, Soft Drawn, R410A, 3/4" [19.05mm], WT 0.91mm, Roll [15.24m]
TTRC-14-15	Tubing, Copper, Soft Drawn, Excluding R410A, 1/4" [6.35mm], WT 0.61mm, Roll [15.24m]
TTRC-516-15	Tubing, Copper, Soft Drawn, Excluding R410A, 5/16" [7.94mm], WT 0.61mm, Roll [15.24m]
TTRC-316-15	Tubing, Copper, Soft Drawn, Excluding R410A, 3/16" [4.76mm], WT 0.51mm, Roll [15.24m]
TTRC-38-15	Tubing, Copper, Soft Drawn, Excluding R410A, 3/8" [9.53mm], WT 0.61mm, Roll [15.24m]
TTRC-12-15	Tubing, Copper, Soft Drawn, Excluding R410A, 1/2" [12.7mm], WT 0.71mm, Roll [15.24m]
TTRC-58-15	Tubing, Copper, Soft Drawn, Excluding R410A, 5/8" [15.88mm], WT 0.71mm, Roll [15.24m]
TTRC-34-15	Tubing, Copper, Soft Drawn, Excluding R410A, 3/4" [19.05mm], WT 0.81mm, Roll [15.24m]
TTRC-78-15	Tubing, Copper, Soft Drawn, Excluding R410A, 7/8" [22.23mm], WT 0.89mm, Roll [15.24m]
TTRC-410A-14	Tubing, Copper, Soft Drawn, R410A, 1/4" [6.35mm], WT 0.91mm, Roll [15.24m]
TTRC-410A-38	Tubing, Copper, Soft Drawn, R410A, 3/8" [9.53mm], WT 0.91mm, Roll [15.24m]
TTRC-410A-12	Tubing, Copper, Soft Drawn, R410A, 1/2" [12.7mm], WT 0.91mm, Roll [15.24m]
TTRC-410A-58	Tubing, Copper, Soft Drawn, R410A, 5/8" [15.88mm], WT 0.91mm, Roll [15.24m]
TTRC-410A-34	Tubing, Copper, Soft Drawn, R410A, 3/4" [19.05mm], WT 0.91mm, Roll [15.24m]



Hard Drawn Copper: Lengths

ITEM	DESCRIPTION & SPECIFICATION
TTAL-410-14-30	Tubing, Aluminium, Soft Drawn, R410A, 1/4" [6.35mm], WT 0.8mm, Coil [30m], used with LOFlink Couplings
TTAL-410-38-30	Tubing, Aluminium, Soft Drawn, R410A, 3/8" [9.53mm], WT 1.0mm, Coil [30m], used with LOFlink Couplings
TTAL-410-12-30	Tubing, Aluminium, Soft Drawn, R410A, 1/2" [12.7mm], WT 1.2mm, Coil [30m], used with LOFlink Couplings
TTAL-410-58-30	Tubing, Aluminium, Soft Drawn, R410A, 5/8" [15.88mm], WT 1.2mm, Coil [30m], used with LOFlink Couplings
TTAL-410-34-30	Tubing, Aluminium, Soft Drawn, R410A, 3/4" [19.05mm], WT 1.2mm, Coil [30m], used with LOFlink Couplings



Soft Drawn Aluminium: Coils

ITEM	DESCRIPTION & SPECIFICATION
TTAL-410-14-30	Tubing, Aluminium, Soft Drawn, R410A, 1/4" (6.35mm), WT 0.8mm, Coil (30m), used with LOFlink Couplings
TTAL-410-38-30	Tubing, Aluminium, Soft Drawn, R410A, 3/8" (9.53mm), WT 1mm, Coil (30m), used with LOFlink Couplings
TTAL-410-12-30	Tubing, Aluminium, Soft Drawn, R410A, 1/2" (12.7mm), WT 1mm, Coil (30m), used with LOFlink Couplings
TTAL-410-58-30	Tubing, Aluminium, Soft Drawn, R410A, 5/8" (15.88mm), WT 1.2mm, Coil (30m), used with LOFlink Couplings
TTAL-410-34-30	Tubing, Aluminium, Soft Drawn, R410A, 3/4" (19.05mm), WT 1.2mm, Coil (30m), used with LOFlink Couplings



Capillary Tubes: Copper

ITEM	DESCRIPTION & SPECIFICATION
TTTC-026-CAPILLARY	Tubing, Copper, Capillary, Excluding R410A, ID 0.66, Roll (30.48m)
TTTC-036-CAPILLARY	Tubing, Copper, Capillary, Excluding R410A, ID 0.91, Roll (30.48m)
TTTC-042-CAPILLARY	Tubing, Copper, Capillary, Excluding R410A, ID 1.07, Roll (30.48m)
TTTC-050-CAPILLARY	Tubing, Copper, Capillary, Excluding R410A, ID 1.27, Roll (30.48m)
TTTC-055-CAPILLARY	Tubing, Copper, Capillary, Excluding R410A, ID 1.4, Roll (30.48m)
DAN297155	Tubing, Copper, Capillary, Excluding R410A, 1/4" (6.35mm), 150cm Long, Flare
DAN297182	Tubing, Copper, Capillary, Excluding R410A, 1/4" (6.35mm), 90cm Long, Flare



Fittings: Copper

ITEM	DESCRIPTION & SPECIFICATION
TTRF-14COUP	Fitting, Copper, Coupling, Straight, 1/4" [6.35mm], each
TTRF-12COUP	Fitting, Copper, Coupling, Straight, 1/2" [12.7mm], each
TTRF-38COUP	Fitting, Copper, Coupling, Straight, 3/8" [9.53mm], each
TTRF-58COUP	Fitting, Copper, Coupling, Straight, 5/8" [15.88mm], each
TTRF-34COUP	Fitting, Copper, Coupling, Straight, 3/4" [19.05mm], each
TTRF-78COUP	Fitting, Copper, Coupling, Straight, 7/8" [22.23mm], each
TTRF-118COUP	Fitting, Copper, Coupling, Straight, 1-1/8" [28.58mm], each
TTRF-138COUP	Fitting, Copper, Coupling, Straight, 1-3/8" [34.93mm], each
TTRF-158COUP	Fitting, Copper, Coupling, Straight, 1-5/8" [41.28mm], each
TTRF-218COUP	Fitting, Copper, Coupling, Straight, 2-1/8" [53.98mm], each
TTRF-14CXC	Fitting, Copper, Elbow 90 deg, Short, 1/4" [6.35mm], each
TTRF-38CXC	Fitting, Copper, Elbow 90 deg, Short, 3/8" [9.53mm], each
TTRF-12CXC	Fitting, Copper, Elbow 90 deg, Short, 1/2" [12.7mm], each
TTRF-58CXC	Fitting, Copper, Elbow 90 deg, Short, 5/8" [15.88mm], each
TTRF-34CXC	Fitting, Copper, Elbow 90 deg, Short, 3/4" [19.05mm], each
TTRF-78CXC	Fitting, Copper, Elbow 90 deg, Short, 7/8" [22.23mm], each
TTRF-118CXC	Fitting, Copper, Elbow 90 deg, Short, 1-1/8" [28.58mm], each
TTRF-138CXC	Fitting, Copper, Elbow 90 deg, Short, 1-3/8" [34.93mm], each
TTRF-158CXC	Fitting, Copper, Elbow 90 deg, Short, 1-5/8" [41.28mm], each
TTRF-218CXC	Fitting, Copper, Elbow 90 deg, Short, 2-1/8" [53.98mm], each
TTRF-258CXC	Fitting, Copper, Elbow 90 deg, Short, 2-5/8" [66.68mm], each
TTRF-318CXC	Fitting, Copper, Elbow 90 deg, Short, 3-1/8" [79.38mm], each
TTRF-14CXCL	Fitting, Copper, Elbow 90 deg, Long, 1/4" [6.35mm]", each
TTRF-38CXCL	Fitting, Copper, Elbow 90 deg, Long, 3/8" [9.53mm], each
TTRF-12CXCL	Fitting, Copper, Elbow 90 deg, Long, 1/2" [12.7mm], each
TTRF-58CXCL	Fitting, Copper, Elbow 90 deg, Long, 5/8" [15.88mm], each
TTRF-34CXCL	Fitting, Copper, Elbow 90 deg, Long, 3/4" [19.05mm], each
TTRF-78CXCL	Fitting, Copper, Elbow 90 deg, Long, 7/8" [22.23mm], each
TTRF-118CXCL	Fitting, Copper, Elbow 90 deg, Long, 1-1/8" [28.58mm], each
TTRF-138CXCL	Fitting, Copper, Elbow 90 deg, Long, 1-3/8" [34.93mm], each
TTRF-158CXCL	Fitting, Copper, Elbow 90 deg, Long, 1-5/8" [41.28mm], each
TTRF-218CXCL	Fitting, Copper, Elbow 90 deg, Long, 2-1/8" [53.98mm], each
TTRF-258CXCL	Fitting, Copper, Elbow 90 deg, Long, 2-5/8" [66.68mm], each
TTRF-14CXC45	Fitting, Copper, Elbow 45 deg, CxC, 1/4" [6.35mm]", each
TTRF-38CXC45	Fitting, Copper, Elbow 45 deg, CxC, 3/8" [9.53mm], each
TTRF-58CXC45	Fitting, Copper, Elbow 45 deg, CxC, 5/8" [15.88mm], each
TTRF-12CXC45	Fitting, Copper, Elbow 45 deg, CxC, 1/2" [12.7mm], each
TTRF-34CXC45	Fitting, Copper, Elbow 45 deg, CxC, 3/4" [19.05mm], each
TTRF-78CXC45	Fitting, Copper, Elbow 45 deg, CxC, 7/8" [22.23mm], each
TTRF-118CXC45	Fitting, Copper, Elbow 45 deg, CxC, 1-1/8" [28.58mm], each
TTRF-158CXC45	Fitting, Copper, Elbow 45 deg, CxC, 1-5/8" [41.28mm], each
TTRF-138CXC45	Fitting, Copper, Elbow 45 deg, CxC, 1-3/8" [34.93mm], each
TTRF-14CXCXC	Fitting, Copper, Tee, Equal, 1/4" [6.35mm]", each
TTRF-38CXCXC	Fitting, Copper, Tee, Equal, 3/8" [9.53mm], each
TTRF-12CXCXC	Fitting, Copper, Tee, Equal, 1/2" [12.7mm], each
TTRF-58CXCXC	Fitting, Copper, Tee, Equal, 5/8" [15.88mm], each
TTRF-34CXCXC	Fitting, Copper, Tee, Equal, 3/4" [19.05mm], each
TTRF-78CXCXC	Fitting, Copper, Tee, Equal, 7/8" [22.23mm], each
TTRF-118CXCXC	Fitting, Copper, Tee, Equal, 1-1/8" [28.58mm], each
TTRF-138CXCXC	Fitting, Copper, Tee, Equal, 1-3/8" [34.93mm], each



Fittings: Copper Continued

ITEM	DESCRIPTION & SPECIFICATION
TTRF-158CXXC	Fitting, Copper, Tee, Equal, 1-5/8" [41.28mm], each
TTRF-218CXXC	Fitting, Copper, Tee, Equal, 2-1/8" [53.98mm], each
TTRF-12-14RB	Fitting, Copper, Bush, Reducing, 1/2" [12.7mm] Straight, x 1/4", each
TTRF-38-14RB	Fitting, Copper, Bush, Reducing, 3/8" [9.53mm] Straight, X 1/4", each
TTRF-12-38RB	Fitting, Copper, Bush, Reducing, 1/2" [12.7mm] Straight, X 3/8", each
TTRF-58-38RB	Fitting, Copper, Bush, Reducing, 5/8" [15.88mm] Straight, X 3/8", each
TTRF-58-12RB	Fitting, Copper, Bush, Reducing, 5/8" [15.88mm] Straight, X 1/2", each
TTRF-34-58RB	Fitting, Copper, Bush, Reducing, 3/4" [19.05mm] Straight, x 5/8", each
TTRF-34-12RB	Fitting, Copper, Bush, Reducing, 3/4" [19.05mm] Straight, X 1/2", each
TTRF-78-12RB	Fitting, Copper, Bush, Reducing, 7/8" [22.23mm] Straight, X 1/2", each
TTRF-78-34RB	Fitting, Copper, Bush, Reducing, 7/8" [22.23mm] Straight, X 3/4", each
TTRF-78-58RB	Fitting, Copper, Bush, Reducing, 7/8" [22.23mm] Straight, x 5/8", each
TTRF-118-78RB	Fitting, Copper, Bush, Reducing, 1-1/8" [28.58mm] Straight, X 7/8", each
TTRF-138-78RB	Fitting, Copper, Bush, Reducing, 1-3/8" [34.93mm] Straight, X 7/8", each
TTRF-138-118RB	Fitting, Copper, Bush, Reducing, 1-3/8" [34.93mm] Straight, X 1-1/8", each
TTRF-158-138RB	Fitting, Copper, Bush, Reducing, 1-5/8" [41.28mm] Straight, X 1-3/8", each
TTRF-158-78RB	Fitting, Copper, Bush, Reducing, 1-5/8" [41.28mm] Straight, X 7/8", each
TTRF-158-118RB	Fitting, Copper, Bush, Reducing, 1-5/8" [41.28mm] Straight, X 1-1/8", each
TTRF-218-138RB	Fitting, Copper, Bush, Reducing, 2-1/8" [53.98mm] Straight, X 1-3/8", each
TTRF-38-14RC	Fitting, Copper, Coupling, Reducing, 3/8" [9.53mm] Straight, x 1/4", each
TTRF-12-14RC	Fitting, Copper, Coupling, Reducing, 1/2" [12.7mm] Straight, x 1/4", each
TTRF-12-38RC	Fitting, Copper, Coupling, Reducing, 1/2" [12.7mm] Straight, X 3/8", each
TTRF-34-38RC	Fitting, Copper, Coupling, Reducing, 3/4" [19.05mm] Straight, X 3/8", each
TTRF-58-12RC	Fitting, Copper, Coupling, Reducing, 5/8" [15.88mm] Straight, X 1/2", each
TTRF-58-38RC	Fitting, Copper, Coupling, Reducing, 5/8" [15.88mm] Straight, X 3/8", each
TTRF-78-12RC	Fitting, Copper, Coupling, Reducing, 7/8" [22.23mm] Straight, X 1/2", each
TTRF-34-12RC	Fitting, Copper, Coupling, Reducing, 3/4" [19.05mm] Straight, X 1/2", each
TTRF-34-58RC	Fitting, Copper, Coupling, Reducing, 3/4" [19.05mm] Straight, x 5/8", each
TTRF-78-34RC	Fitting, Copper, Coupling, Reducing, 7/8" [22.23mm] Straight, X 3/4", each
TTRF-78-58RC	Fitting, Copper, Coupling, Reducing, 7/8" [22.23mm] Straight, x 5/8", each
TTRF-118-58RC	Fitting, Copper, Coupling, Reducing, 1-1/8" [28.58mm] Straight, x 5/8", each
TTRF-138-34RC	Fitting, Copper, Coupling, Reducing, 1-3/8" [34.93mm] Straight, X 3/4", each
TTRF-118-34RC	Fitting, Copper, Coupling, Reducing, 1-1/8" [28.58mm] Straight, x 3/4", each
TTRF-118-78RC	Fitting, Copper, Coupling, Reducing, 1-1/8" [28.58mm] Straight, X 7/8", each
TTRF-138-78RC	Fitting, Copper, Coupling, Reducing, 1-3/8" [34.93mm] Straight, X 7/8", each
TTRF-158-78RC	Fitting, Copper, Coupling, Reducing, 1-5/8" [41.28mm] Straight, X 7/8", each
TTRF-158-118RC	Fitting, Copper, Coupling, Reducing, 1-5/8" [41.28mm] Straight, X 1-1/8", each
TTRF-218-158RC	Fitting, Copper, Coupling, Reducing, 2 1/8" Straight, x 1-5/8", each
TTRF-PT-12	Fitting, Copper, P-Trap, 1/2" [12.7mm], each
TTRF-PT-58	Fitting, Copper, P-Trap, 5/8" [15.88mm], each
TTRF-PT-78	Fitting, Copper, P-Trap, 7/8" [22.23mm], each
TTRF-PT-34	Fitting, Copper, P-Trap, 3/4" [19.05mm], each
TTRF-PT-118	Fitting, Copper, P-Trap, 1-1/8" [28.58mm], each
TTRF-PT-138	Fitting, Copper, P-Trap, 1-3/8" [34.93mm], each
TTRF-PT-158	Fitting, Copper, P-Trap, 1-5/8" [41.28mm], each
TTRF-PT-218	Fitting, Copper, P-Trap, 2-1/8" [53.98mm], each
TTRF-EC-58	Fitting, Copper, End Cap, 5/8" [15.88mm], each
TTRF-EC-34	Fitting, Copper, End Cap, 3/4" [19.05mm], each
TTRF-EC-78	Fitting, Copper, End Cap, 7/8" [22.23mm], each
TTRF-EC-118	Fitting, Copper, End Cap, 1-1/8" [28.58mm], each
TTRF-EC-138	Fitting, Copper, End Cap, 1-3/8" [34.93mm], each
TTRF-EC-158	Fitting, Copper, End Cap, 1-5/8" [41.28mm], each



Fittings: Clamps

ITEM	DESCRIPTION & SPECIFICATION
TTRF-14TS	Fitting, Rubber, P-Clamp/Tube Strap, 1/4" (6.35mm), each
TTRF-12TS	Fitting, Rubber, P-Clamp/Tube Strap, 1/2" (12.7mm), each
TTRF-58TS	Fitting, Rubber, P-Clamp/Tube Strap, 5/8" (15.88mm), each
TTRF-34TS	Fitting, Rubber, P-Clamp/Tube Strap, 3/4" (19.05mm), each
TTRF-78TS	Fitting, Rubber, P-Clamp/Tube Strap, 7/8" (22.23mm), each
TTRF-118TS	Fitting, Rubber, P-Clamp/Tube Strap, 1-1/8" (28.58mm), each
TTRF-138TS	Fitting, Rubber, P-Clamp/Tube Strap, 1-3/8" (34.93mm), each
TTRF-158TS	Fitting, Rubber, P-Clamp/Tube Strap, 1-5/8" (41.28mm), each
TTRF-218TS	Fitting, Rubber, P-Clamp/Tube Strap, 2-1/8" (53.98mm), each
TTAC-HC-001	Fitting, Plastic, P-Clamp/Tube Strap, 10mm



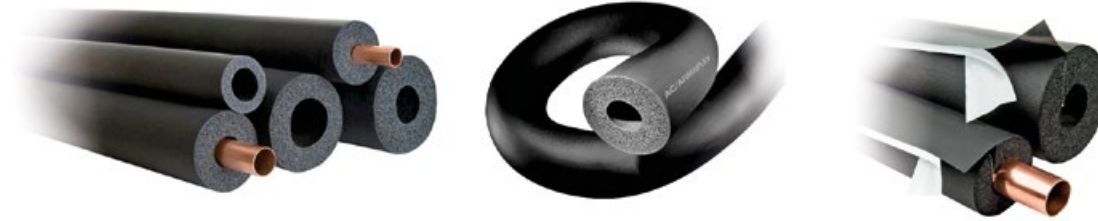
Fittings: Vibration eliminators

ITEM	DESCRIPTION & SPECIFICATION
TTRF-38VIBR	Fitting, Vibro Eliminator, 3/8" (9.53mm), each
TTRF-12VIBR	Fitting, Vibro Eliminator, 1/2" (12.7mm), each
TTRF-78VIBR	Fitting, Vibro Eliminator, 7/8" (22.23mm), each
TTRF-58VIBR	Fitting, Vibro Eliminator, 5/8" (15.88mm), each
TTRF-34VIBR	Fitting, Vibro Eliminator, 3/4" (19.05mm), each
TTRF-118VIBR	Fitting, Vibro Eliminator, 1-1/8" (28.58mm), each
TTRF-138VIBR	Fitting, Vibro Eliminator, 1-3/8" (34.93mm), each
TTRF-158VIBR	Fitting, Vibro Eliminator, 1-5/8" (41.28mm), each
TTRF-218VIBR	Fitting, Vibro Eliminator, 2-1/8" (53.98mm), each
TTRF-PAD-VIBR	Fitting, Vibration Pad, Rubber, 100mm, x 100mm x 22mm, each
TTRF-PAD-VIBR2	Fitting, Vibration Pad, Rubber, Patterned, 150mm x 150mm x 17mm
TTRF-PAD-VIBR33	Fitting, Vibration Pad, 33mm x 38mm x 8mm, set of 4



Fittings: Aluminium

ITEM	DESCRIPTION & SPECIFICATION
TTAL-SEAL	Chemical, Liquid Sealant, for Aluminium Connections, 52S
TTAL-14COUP	Fitting, LOFlink, Aluminium, Coupling, Straight, 1/4"[6.35mm]", x 1/4"[6.35mm]
TTAL-14COUP-CA	Fitting, LOFlink, Aluminium to Copper, Coupling, Straight, 1/4"[6.35mm]", x 1/4"[6.35mm]
TTAL-38COUP	Fitting, LOFlink, Aluminium, Coupling, Straight, 3/8"[9.53mm], x 3/8"[9.53mm]
TTAL-38COUP-CA	Fitting, LOFlink, Aluminium to Copper, Coupling, Straight, 3/8"[9.53mm], x 3/8"[9.53mm]
TTAL-12COUP	Fitting, LOFlink, Aluminium, Coupling, Straight, 307S, x 1/2"[12.7mm]
TTAL-12COUP-CA	Fitting, LOFlink, Aluminium to Copper, Coupling, Straight, 1/2"[12.7mm], x 1/2"[12.7mm]
TTAL-58COUP	Fitting, LOFlink, Aluminium, Coupling, Straight, 5/8"[15.88mm], x 5/8"[15.88mm]
TTAL-58COUP-CA	Fitting, Maksal, Aluminium to Copper, Coupling, Straight, 5/8"[15.88mm], x 5/8"[15.88mm]
TTAL-34COUP	Fitting, LOFlink, Aluminium, Coupling, Straight, 3/4"[19.05mm], x 3/4"[19.05mm]
TTAL-34COUP-CA	Fitting, LOFlink, Aluminium to Copper, Coupling, Straight, 3/4"[19.05mm], x 3/4"[19.05mm]
TTAL-14-38RC	Fitting, Aluminium, Coupling, Reducing, 1/4"[6.35mm]", x 3/8"[9.53mm]
TTAL-38-12RC	Fitting, Aluminium, Coupling, Reducing, 3/8"[9.53mm], x 1/2"[12.7mm]
TTAL-12-58RC	Fitting, Aluminium, Coupling, Reducing, 1/2"[12.7mm], x 5/8"[15.88mm]
TTAL-58-34RC	Fitting, Aluminium, Coupling, Reducing, 5/8"[15.88mm], x 3/4"[19.05mm]
TTAL-END-14	Fitting, Aluminium, End Cap, 1/4"[6.35mm]" Threaded
TTAL-END-38	Fitting, Aluminium, End Cap, 3/8"[9.53mm] Threaded
TTAL-END-12	Fitting, Aluminium, End Cap, 1/2"[12.7mm] Threaded
TTAL-END-58	Fitting, Aluminium, End Cap, 5/8"[15.88mm] Threaded
TTAL-END-58	Fitting, Aluminium, End Cap, 5/8"[15.88mm] Threaded
TTAL-END-34	Fitting, Aluminium, End Cap, 3/4"[19.05mm] Threaded
TTAL-GRPAD	Pad, Grinding, for Aluminium
TTFN-ALU-14	Nut, Aluminium, Flare, 1/4"[6.35mm]"
TTFN-ALU-14-L	Nut, Aluminium, Flare, 1/4"[6.35mm]"
TTFN-ALU-38	Nut, Aluminium, Flare, 3/8"[9.53mm]
TTFN-ALU-38-L	Nut, Aluminium, Flare, 3/8"[9.53mm]
TTFN-ALU-12	Nut, Aluminium, Flare, 307S
TTFN-ALU-58	Nut, Aluminium, Flare, 5/8"[15.88mm]
TTFN-ALU-34	Nut, Aluminium, Flare, 3/4"[19.05mm]
TTAL-CLAMPTOOL-M	Tool, Pressure Clamp, Manual for Aluminium Tube Fittings, 1/4"[6.35mm]", to 3/4"[19.05mm]



Tube Insulation: Wincell

ITEM	DESCRIPTION & SPECIFICATION
TTINS-14-14	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 1/4, x1/4" Wall, 1.8m Length
TTINS-14-38	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 1/4, x3/8" Wall, 1.8m Length
TTINS-38-14	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 3/8, x1/4" Wall, 1.8m Length
TTINS-38-38	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 3/8, x3/8" Wall, 1.8m Length
TTINS-12-14	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 1/2, x1/4" Wall, 1.8m Length
TTINS-12-38	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 1/2, x3/8" Wall, 1.8m Length
TTINS-58-38	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 5/8, x3/8" Wall, 1.8m Length
TTINS-58-14	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 5/8, x1/4" Wall, 1.8m Length
TTINS-34-38	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 3/4, x3/8" Wall, 1.8m Length
TTINS-34-14	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 3/4, x1/4" Wall, 1.8m Length
TTINS-38-12	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 3/8, x1/2" Wall, 1.8m Length
TTINS-78-38	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 7/8, x3/8" Wall, 1.8m Length
TTINS-118-38	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 1 1/8, x3/8" Wall, 1.8m Length
TTINS-14-12	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 1/4, x1/2" Wall, 1.8m Length
TTINS-58-12	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 5/8, x1/2" Wall, 1.8m Length
TTINS-34-12	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 3/4, x1/2" Wall, 1.8m Length
TTINS-12-12	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 1/2, x1/2" Wall, 1.8m Length
TTINS-78-12	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 7/8, x1/2" Wall, 1.8m Length
TTINS-138-38	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 1 3/8, x3/8" Wall, 1.8m Length
TTINS-118-12	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 1 1/8, x1/2" Wall, 1.8m Length
TTINS-218-38	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 2 1/8, x3/8" Wall, 1.8m Length
TTINS-138-12	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 1 3/8, x1/2" Wall, 1.8m Length
TTINS-158-12	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 1 5/8, x1/2" Wall, 1.8m Length
TTINS-34-34	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 3/4, x3/4" Wall, 1.8m Length
TTINS-78-34	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 7/8, x3/4" Wall, 1.8m Length
TTINS-218-12	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 2 1/8, x1/2" Wall, 1.8m Length
TTINS-34-1	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 3/4, x1" Wall, 1.8m Length
TTINS-118-34	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 1 1/8, x3/4" Wall, 1.8m Length
TTINS-78-1	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 7/8, x1" Wall, 1.8m Length
TTINS-258-12	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 2 5/8, x1/2" Wall, 1.8m Length
TTINS-158-34	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 1 5/8, x3/4" Wall, 1.8m Length
TTINS-138-34	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 1 3/8, x3/4" Wall, 1.8m Length
TTINS-12-1	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 1/2, x1" Wall, 1.8m Length
TTINS-218-34	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 2 1/8, x3/4" Wall, 1.8m Length
TTINS-118-1	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 1 1/8, x1" Wall, 1.8m Length
TTINS-138-1	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 1 3/8, x1" Wall, 1.8m Length
TTINS-158-1	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 1 5/8, x1" Wall, 1.8m Length
TTINS-258-34	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 2 5/8, x3/4" Wall, 1.8m Length
TTINS-258-1	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 2 5/8, x1" Wall, 1.8m Length
TTINS-318-34	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 3 1/8, x3/4" Wall, 1.8m Length
TTINS-218-1	Insulation, Wincell, Tube, Armaflex, UV/Fire Resistant ID 2 1/8, x1" Wall, 1.8m Length



Tapes: Rolls

ITEM	DESCRIPTION & SPECIFICATION
TTFT-001	Tape, Foil, 48mm x 46m, 50mic
TTINS-TAPE	Tape, Insulation, Foam - Self Adhesive, 3mm Thick
DAN182710-AU	Tape, Non-Drip, Cork, DAN182710-AU, 30Ft Roll
DAN182713	Tape, Electrical, PVC
DAN182710	Tape, Non-Drip, Cork, 30Ft Roll
DAN182711	Tape, Lasso, PVC, x0.15"
DAN182715	Tape, Duct, Cloth, Grey, 50m Roll
TTAC-DT-001	Tape, Insulation, Foam - Centurylon, x1/8", 30Ft Roll



Tapes: Heater tapes

ITEM	DESCRIPTION & SPECIFICATION
HT-INT-1M	Tape, Heater, Internal Drainline, 40W
HT-INT-2M	Tape, Heater, Internal Drainline, 80W
HT-6	Tape, Heater, External
HT-025	Tape, Heater, Internal Drainline
HT-12	Tape, Heater, External
HT-18	Tape, Heater, External
HT-9	Tape, Heater, External
HT-050	Tape, Heater, Internal Drainline



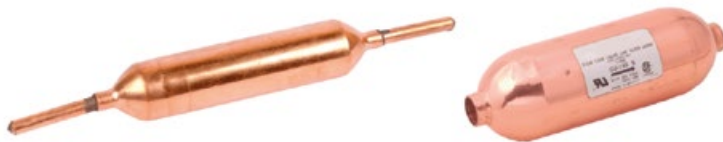
Various Fittings: Copper & Brass

ITEM	DESCRIPTION & SPECIFICATION
TTAD-003	Fitting, Adaptor, Female Flare, x Male Flare, 3/8"[9.53mm], x 1/2"
TTAD-005	Fitting, Adaptor - Tank, Female Flare LH Thread, x Male Flare, 1/2"[12.7mm], x 1/4", 1234YF
TTAD-006	Fitting, Adaptor - Tank, Male O-Ring, x Male Flare, 1/2"[12.7mm], x 1/4", 1234YF
TTAD-008	Fitting, Adaptor, Female, x Male, 3/4"[19.05mm], x 1/4", Big Gas Cylinder
TTAD-054	Fitting, Adaptor, Swivel, Elbow, 1/4"[6.35mm]", x 1/4"
TTAD-054B	Fitting, Adaptor, Swivel, Elbow, x 2", x 1/8" Female, Flare
TTAD-054C	Fitting, Adaptor, Swivel, Elbow, x 2", x 5/16" Female, Flare, R410A
TTAD-1238	Fitting, Adaptor, Male Flare, x Male Flare, 3/8"[9.53mm], x 1/2"
TTAD-1438	Fitting, Adaptor, Female Flare, x Male Flare, 3/8"[9.53mm], x 1/4", To Fit 3/8 Vacuum Pump Connection
TTAD-032	Fitting, Union, Flare-Solder, Male x Female, 3/8"[9.53mm], x 3/8"
TTAD-033	Fitting, Union, Flare-Solder, 1/2"[12.7mm], x 1/2"
TTAD-037	Fitting, Adaptor, Female, x Male Flare, 5/8"[15.88mm], x 1/4", [FEMALE 21.8X 14], Big Gas Cylinder
TTAD-057	Fitting, Union, Flare-Nipple, Male x Male, 1/4"[6.35mm]", x 1/4"
TTAD-058	Fitting, Union, Flare-Nipple, 3/8"[9.53mm]
TTAD-059	Fitting, Union, Flare-Nipple, 1/2"[12.7mm]
TTAD-060	Fitting, Union, Flare-Nipple, 5/8"[15.88mm]
TTAD-061	Fitting, Union, Flare-Male, x Male NPT Nipple, 1/4"[6.35mm]", x 1/8"
TTAD-062	Fitting, Union, Flare-Male, x Male NPT Nipple, 1/4"[6.35mm]", x 1/4"
TTAD-080	Fitting, Union, Female, x Male, 1/4"[6.35mm]", x 1/4"
TTAD-046	Valve, Schraeder, Cap Tail, Core, 1/4"[6.35mm]"
TTAD-046B	Valve, Schraeder, No Tail, 1/4"[6.35mm]"
TTAD-046C	Fitting, Cap Tail, CU Ext?, 1/4"[6.35mm]", x 2"
TTAD-047	Nut, Brass, Flare, Heavy Forged, 3/4"[19.05mm], #12
TTAD-048	Nut, Brass, Flare, Heavy Short, 1/4"[6.35mm]"
TTAD-050	Nut, Brass, Flare, Heavy Short, 3/8"[9.53mm], #6
TTAD-052	Nut, Brass, Flare, Heavy Short, 5/8"[15.88mm], #10
TTAD-053	Nut, Brass, Flare, Heavy Short, 1/2"[12.7mm], #8
TTAD-12-SNF	Nut, Brass, Flare, Swivel, 1/2"[12.7mm]
TTAD-31851	Nut, T-Piece, SAE-Female, With Swivel Nut, 1/4"[6.35mm]", x 1/4"
TTAD-31852	Nut, T-Style, SAE-Male x SAE-Female, 180, 1/4"[6.35mm]", x 90, With Swivel Nut
TTAD-070	Nut, T-Piece, Flare, Male, 1/4"[6.35mm]", x 1/4", x 1/4"
TTAD-081	Nut, Brass, Flare-Female, x Flare-Male, 1/4"[6.35mm]", x 5/16", #5
TTAD-082	Nut, Brass, Flare-Female, x Flare-Male, 7/8"[22.23mm], x 1/4"
TTAD-045	Nut, Alloy, 11/6", 3/4"
TTAD-090	Fitting, LOFlink, Nipple, Drain, Male, 3/4"[19.05mm], Aluminium
TTAD-14516	Adapter, Errecom, SAE, 1/4" - 5/16"
TTAC-V03	Adapter, Value, Female, R410A, 1/4"[6.35mm]" SAE Female, 5/16" SAE Male, 90 deg
TTAD-081V	Fitting, Value, Adaptor, Incl Shraeder Valve, 1/4" SAE Female, x 5/16" Male [SAE], R410A
TTAD-082V	Fitting, Value, Adaptor, Incl Shraeder Valve, 5/16" SAE Female, x 1/4" Male [SAE], R410A



Driers: Drier Shell

ITEM	DESCRIPTION & SPECIFICATION
TTDS-58-1C	Shell, Drier, Solder On, 1-Core, 5/8"[15.88mm]
TTDS-78-1C	Shell, Drier, Solder On, 1-Core, 7/8"[22.23mm]
TTDS-118-1C	Shell, Drier, Solder On, 1-Core
TTDS-118-3C	Shell, Drier, Solder On, 3-Core
TTDS-138-1C	Shell, Drier, Solder On, 1-Core
TTDS-138-2C	Shell, Drier, Solder On, 2-Core
TTDS-138-3C	Shell, Drier, Solder On, 3-Core
TTDS-158-1C	Shell, Drier, Solder On, 1-Core
TTDS-158-3C	Shell, Drier, Solder On, 3-Core
TTDS-218-1C	Shell, Drier, Solder On, 1-Core
TTDS-218-3C	Shell, Drier, Solder On, 3-Core
TTDC-STD	Drier, Core, Standard RC 4864 DR48
TTDC-HMOIS	Drier, High Moisture, RCW HR48 HR48
TTDC-BURN	Drier, Suction, Filter SX48
TTDC-ACID-DAN	Drier, Danfoss, Core & Gasket, CFC/HCFC/HFC 48-DA, 30% Moisture, 70% Acid, 023U5380, HCFC/HFC
TTDC-HMOIS-DAN	Drier, Danfoss, Core & Gasket 48-DM, 100% Moisture, 023U1391, HFC
TTDC-STD-DAN	Drier, Danfoss, Core & Gasket, CFC/HCFC/HFC 48-DC, 80% Moisture, 20% Acid, 023U4381, HCFC/HFC
TTDC-BURN-DAN	Drier, Danfoss, Filter Strainer Insert, CFC/HCFC/HFC 48-F, 023U1921, HCFC/HFC



Driers: Pencil Driers

ITEM	DESCRIPTION & SPECIFICATION
TTRD-PN-001	Drier, Pencil, 2 Connection, 15gram
TTRD-PN-001A	Drier, Pencil, Spun Filter Big Cap, 30gram
TTRD-PN-001B	Drier, Pencil, 2 Connection, 15gram
TTRD-PN-002	Drier, Pencil, 2 Connection, 20gram, 3/16 x 2.5
TTRD-PN-003	Drier, Pencil, 2 Connection, 40gram
TTRD-PN-003A	Drier, Pencil, 3 Connection, 40gram
TTRD-PN-004	Drier, Pencil, 2 Connection, 25gram
TTRD-PN-004A	Drier, Pencil, 3 Connection, 25gram



Driers: Receiver

ITEM	DESCRIPTION & SPECIFICATION
TTRD-IL-001	Drier, Receiver, SAE Flare, Liquid Line-In Line, 1/4" (6.35mm) 032
TTRD-14-52S	Drier, Receiver, Sweat On, 1/4" (6.35mm) 52S
TTRD-IL-002	Drier, Receiver, SAE Flare, Liquid Line-In Line, 1/4" (6.35mm) 052
TTRD-14-82F	Drier, Receiver, SAE Flare, Liquid Line, 1/4" (6.35mm) 82F
TTRD-38-53S	Drier, Receiver, Sweat On, 3/8" (9.53mm) 53S
TTRD-38-53F	Drier, Receiver, SAE Flare, 3/8" (9.53mm) 53F
TTRD-38-83S	Drier, Receiver, Sweat On, 3/8" (9.53mm) 83S
TTRD-12-84S	Drier, Receiver, Sweat On, 1/2" (12.7mm) 84S
TTRD-IL-003	Drier, Receiver, SAE Flare, Liquid Line-In Line, 3/8" (9.53mm) 083
TTRD-38-163F	Drier, Receiver, SAE Flare, Liquid Line, 3/8" (9.53mm) 163F
TTRD-14-82S	Drier, Receiver, Sweat On, 1/4" (6.35mm) 82S
TTRD-58-165S	Drier, Receiver, Sweat On, 5/8" (15.88mm) 165S
TTRD-RSP-054	Drier, #, 1/2" (12.7mm) 54
TTRD-12-84F	Drier, Receiver, SAE Flare, 1/2" (12.7mm) 84F
TTRD-12-164S	Drier, Receiver, Sweat On, 1/2" (12.7mm) 164S
TTRD-38-163S	Drier, Receiver, Sweat On, 3/8" (9.53mm) 163S
TTRD-IL-005	Drier, Receiver, SAE Flare, Liquid Line-In Line, 5/8" (15.88mm) 165
TTRD-IL-004	Drier, Receiver, SAE Flare, Liquid Line-In Line, 1/2" (12.7mm) 164
TTRD-58-305F	Drier, Receiver, SAE Flare, 5/8" (15.88mm) 305F
TTRD-12-304F	Drier, Receiver, SAE Flare, 1/2" (12.7mm) 304F
TTRD-12-304S	Drier, Receiver, Sweat On, 1/2" (12.7mm) 304S
TTRD-58-305S	Drier, Receiver, Sweat On, 5/8" (15.88mm) 305S
TTRD-78-307S	Drier, Receiver, Sweat On, 7/8" (22.23mm) 307S
TTRD-12-414S	Drier, Receiver, Sweat On, 1/2" (12.7mm) 414S
TTRD-58-415S	Drier, Receiver, Sweat On, 5/8" (15.88mm) 415S
TTRD-IL-009	Drier, Receiver, SAE Flare, 3/8" (9.53mm) 303, 89mmx53mm Jumbo
TTRD-78-417S	Drier, Receiver, Sweat On, 7/8" (22.23mm) 417S
TTRD-IL-008	Drier, Receiver, SAE Flare, 3/8" (9.53mm) 303 Big Body
TTRD-UN-004	Drier, Receiver, SAE Flare-Male, Universal, 3/8" (9.53mm), 89mmx246mm Plugs [2]
TTRD-58-415F	Drier, Receiver, SAE Flare, 5/8" (15.88mm) 415F
TTRD-14-032F-DAN	Drier, Danfoss, Liquid-Line, Flare, 1/4" (6.35mm) DCL-032, 80% Moist, 20% Acid, 023Z5000, HCFC/HFC
TTRD-14-052F-DAN	Drier, Danfoss, Liquid-Line, Flare, 1/4" (6.35mm) DCL-052, 80% Moist, 20% Acid, 023Z5002, HCFC/HFC
TTRD-14-082F-DAN	Drier, Danfoss, Liquid-Line, Flare, 1/4" (6.35mm) DCL-082, 80% Moist, 20% Acid, 023Z5004, HCFC/HFC
TTRD-12-084F-DAN	Drier, Danfoss, Liquid-Line, Flare, 1/2" (12.7mm) DCL-084, 80% Moist, 20% Acid, 023Z5006, HCFC/HFC
TTRD-38-083F-DAN	Drier, Danfoss, Liquid-Line, Flare, 3/8" (9.53mm) DCL-083, 80% Moist, 20% Acid, 023Z5005, HCFC/HFC
TTRD-38-163F-DAN	Drier, Danfoss, Liquid-Line, Flare, 3/8" (9.53mm) DCL-163, 80% Moist, 20% Acid, 023Z5008, HCFC/HFC
TTRD-58-165F-DAN	Drier, Danfoss, Liquid-Line, Flare, 5/8" (15.88mm) DCL-165, 80% Moist, 20% Acid, 023Z5010, HCFC/HFC
TTRD-12-164F-DAN	Drier, Danfoss, Liquid-Line, Flare, 1/2" (12.7mm) DCL-164, 80% Moist, 20% Acid, 023Z5009, HCFC/HFC
TTRD-14-162F-DAN	Drier, Danfoss, Liquid-Line, Flare, 1/4" (6.35mm) DCL-162, 80% Moist, 20% Acid, 023Z5007, HCFC/HFC
TTRD-12-304F-DAN	Drier, Danfoss, Liquid-Line, Flare, 1/2" (12.7mm) DCL-304, 80% Moist, 20% Acid, 023Z0013, HCFC/HFC
TTRD-58-305F-DAN	Drier, Danfoss, Liquid-Line, Flare, 5/8" (15.88mm) DCL-305, 80% Moist, 20% Acid, 023Z0014, HCFC/HFC
TTRD-58-415F-DAN	Drier, Danfoss, Flare, 5/8" (15.88mm) DCL-415, 80% Moist, 20% Acid, 023Z0103, HCFC/HFC
TTRD-14-032S-DAN	Drier, Danfoss, Liquid-Line, Sweat, 1/4" (6.35mm) DCL-032, 80% Moist, 20% Acid, 023Z4501, HCFC/HFC
TTRD-14-052S-DAN	Drier, Danfoss, Liquid-Line, Sweat, 1/4" (6.35mm) DCL-052, 80% Moist, 20% Acid, 023Z4506, HCFC/HFC
TTRD-12-084S-DAN	Drier, Danfoss, Liquid-Line, Sweat, 1/2" (12.7mm) DCL-084, 80% Moist, 20% Acid, 023Z4516, HCFC/HFC
TTRD-14-082S-DAN	Drier, Danfoss, Liquid-Line, Sweat, 1/4" (6.35mm) DCL-082, 80% Moist, 20% Acid, 023Z4511, HCFC/HFC

Driers: Receiver continued

ITEM	DESCRIPTION & SPECIFICATION
TTRD-38-083S-DAN	Drier, Danfoss, Liquid-Line, Sweat, 3/8"[9.53mm] DCL-083, 80% Moist, 20% Acid, 023Z4514, HCFC/HFC
TTRD-58-165S-DAN	Drier, Danfoss, Liquid-Line, Sweat, 5/8"[15.88mm] DCL-165, 80% Moist, 20% Acid, 023Z4524, HCFC/HFC
TTRD-38-163S-DAN	Drier, Danfoss, Liquid-Line, Sweat, 3/8"[9.53mm] DCL-163, 80% Moist, 20% Acid, 023Z4521, HCFC/HFC
TTRD-12-164S-DAN	Drier, Danfoss, Liquid-Line, Sweat, 1/2"[12.7mm] DCL-164, 80% Moist, 20% Acid, 023Z4523, HCFC/HFC
TTRD-58-305S-DAN	Drier, Danfoss, Liquid-Line, Sweat, 5/8"[15.88mm] DCL-305, 80% Moist, 20% Acid, 023Z4531, HCFC/HFC
TTRD-12-304S-DAN	Drier, Danfoss, Liquid-Line, Sweat, 1/2"[12.7mm] DCL-304, 80% Moist, 20% Acid, 023Z4530, HCFC/HFC
TTRD-58-415S-DAN	Drier, Danfoss, Liquid-Line, Sweat, 5/8"[15.88mm] DCL-415, 80% Moist, 20% Acid, 023Z4539, HCFC/HFC
TTRD-78-417S-DAN	Drier, Danfoss, Liquid-Line, Sweat, 7/8"[22.23mm] DCL-417, 80% Moist, 20% Acid, 023Z4540, HCFC/HFC
TTRD-12-414S-DAN	Drier, Danfoss, Liquid-Line, Sweat, 1/2"[12.7mm] DCL-414, 80% Moist, 20% Acid, 023Z4538, HCFC/HFC



Driers: Burn Out

ITEM	DESCRIPTION & SPECIFICATION
TTRD-SRE-082	Drier, Receiver, SAE Flare, Burn Out, 1/4"[6.35mm]" 82
TTRD-SRE-164	Drier, Receiver, SAE Flare, Burn Out, 1/2"[12.7mm] 164
TTRD-SRE-163	Drier, Receiver, SAE Flare, Burn Out, 3/8"[9.53mm] 163
TTRD-SRE-415	Drier, Receiver, SAE Flare, Burn Out, 5/8"[15.88mm] 415
TTRD-SRE-416	Drier, Receiver, SAE Flare, Burn Out, 3/4"[19.05mm] 416



Driers: Bi-Flow

ITEM	DESCRIPTION & SPECIFICATION
TTHPD-38-163	Drier, Reverse, Sweat On, 3/8"[9.53mm] 163
TTHPD-12-164	Drier, Reverse, Sweat On, 1/2"[12.7mm] 164
TTHPD-58-165	Drier, Reverse, Sweat On, 5/8"[15.88mm] 165
TTRD-SRE-082F-DAN	Drier, Danfoss, Bi-Flow, SAE Flare, 1/4"[6.35mm]" DMB-082, 100% Moist, 0% Acid, 023Z1412, HFC
TTRD-SRE-164S-DAN	Drier, Danfoss, Bi-Flow, Sweat, 1/2"[12.7mm] DMB-164, 100% Moist, 0% Acid, 023Z1453, HFC
TTHPD-12-164S-DAN	Drier, Danfoss, Bi-Flow, Sweat, 1/2"[12.7mm] DMB-164, 100% Moist, 0% Acid, 023Z1475, HFC
TTHPD-14-082S-DAN	Drier, Danfoss, Bi-Flow, Sweat, 1/4"[6.35mm]" DMB-082, 100% Moist, 0% Acid, 023Z1473, HFC
TTHPD-38-163S-DAN	Drier, Danfoss, Bi-Flow, Sweat, 3/8"[9.53mm] DMB-163, 100% Moist, 0% Acid, 023Z1476, HFC
TTHPD-58-164S-DAN	Drier, Danfoss, Bi-Flow, Sweat, 5/8"[15.88mm] DMB-165, 100% Moist, 0% Acid, 023Z1474, HFC



Driers: Oil Filter Driers

ITEM	DESCRIPTION & SPECIFICATION
TTRD-RSP-053	Drier, #, Sweat On, 3/8"(9.53mm) 53
TTRD-RSP-055	Drier, Receiver, Oil Filter, 5/8"(15.88mm) 55
TTRD-RSP-054	Drier, #, 1/2"(12.7mm) 54



Driers: Suction Line

ITEM	DESCRIPTION & SPECIFICATION
TTSL-12-164S	Drier, Suction-Line, Sweat On, 1/2"(12.7mm)
TTSL-34-306S	Drier, Suction-Line, Sweat On, 3/4"(19.05mm)
TTSL-58-305S	Drier, Suction-Line, Sweat On, 5/8"(15.88mm)
TTSL-78-307S	Drier, Suction-Line, Sweat On, 7/8"(22.23mm)
TTSL-118-289	Drier, Suction-Line, Sweat On, 1-1/8"(28.58mm)
TTSL-138-2811	Drier, Suction-Line, Sweat On, 1-3/8"(34.93mm)
TTSL-138-2811L	Drier, Suction-Line, Sweat On, 1-3/8"(34.93mm)
TTSL-158-2813	Drier, Suction-Line, 1-5/8"(41.28mm)

Driers: Suction Line - Burn Out

ITEM	DESCRIPTION & SPECIFICATION
TTSL-38-083S-DAN	Drier, Danfoss, Suct/Line, Sweat, B/Out, 3/8"(9.53mm) DAS-083, 30% Moist, 70% Acid, 023Z1003, HCFC/HFC
TTSL-12-084S-DAN	Drier, Danfoss, Suct/Line, Sweat, B/Out, 1/2"(12.7mm) DAS-084, 30% Moist, 70% Acid, 023Z1004, HCFC/HFC
TTSL-12-164S-DAN	Drier, Danfoss, Suct/Line, Sweat, B/Out, 1/2"(12.7mm) DAS-164, 30% Moist, 70% Acid, 023Z1009, HCFC/HFC
TTSL-58-085S-DAN	Drier, Danfoss, Suct/Line, Sweat, B/Out, 5/8"(15.88mm) DAS-085, 30% Moist, 70% Acid, 023Z1005, HCFC/HFC
TTSL-58-165S-DAN	Drier, Danfoss, Suct/Line, Sweat, B/Out, 5/8"(15.88mm) DAS-165, 30% Moist, 70% Acid, HCFC/HFC
TTSL-34-086S-DAN	Drier, Danfoss, Suct/Line, Sweat, B/Out, 1/4"(6.35mm)" DAS-086, 30% Moist, 70% Acid, 023Z1006
TTSL-34-166S-DAN	Drier, Danfoss, Suct/Line, Sweat, B/Out, 3/4"(19.05mm) DAS-166, 30% Moist, 70% Acid, 023Z1011, HCFC/HFC
TTSL-78-307S-DAN	Drier, Danfoss, Suct/Line, Sweat, B/Out, 7/8"(22.23mm) DAS-307, 30% Moist, 70% Acid, 023Z1015, HCFC/HFC
TTSL-118-309S-DAN	Drier, Danfoss, Suct/Line, Sweat, B/Out DAS-309, 30% Moist, 70% Acid, 023Z1016, HCFC/HFC
TTSL-118-419S-DAN	Drier, Danfoss, Suct/Line, Sweat, B/Out DAS-419, 30% Moist, 70% Acid, 023Z101



Vessels: Oil Separator

ITEM	DESCRIPTION & SPECIFICATION
TTOS-12S	Seperator, Oil, Sweat On, 1/2" [12.7mm]
TTOS-58S	Seperator, Oil, Sweat On, 5/8" [15.88mm]
TTOS-78S	Seperator, Oil, Sweat On, 7/8" [22.23mm]
TTOS-138S	Seperator, Oil, Sweat On, 1-3/8" [34.93mm]
TTOS-118S	Seperator, Oil, Sweat On, 1-1/8" [28.58mm]
TTOS-34-ORING	Seperator, Oil, O-Ring, 3/4" [19.05mm]



Vessels: Suction Accumulator

ITEM	DESCRIPTION & SPECIFICATION
TTSA-12S	Accumulator, Suction, Sweat On, 1/2" [12.7mm]
TTSA-34S	Accumulator, Suction, Sweat On, 3/4" [19.05mm]
TTSA-58S	Accumulator, Suction, Sweat On, 5/8" [15.88mm]
TTSA-78S	Accumulator, Suction, Sweat On, 7/8" [22.23mm]
TTSA-118S	Accumulator, Suction, Sweat On, 1-1/8" [28.58mm]
TTSA-158S	Accumulator, Suction, Sweat On, 1-5/8" [41.28mm]
TTSA-138S	Accumulator, Suction, Sweat On, 1-3/8" [34.93mm]
TTSA-218s	Accumulator, Suction, Sweat On, 2-1/8" [53.98mm]



Vessels: Refrigerant Receiver

ITEM	DESCRIPTION & SPECIFICATION
TTRR-16	Vessel, Receiver, Refrigerant, incl Shut Off Valve, 3/8" [9.53mm] Inlet, 1.6L
TTRR-38	Vessel, Receiver, Refrigerant, incl Shut Off Valve, 3/8" [9.53mm] Inlet, 3L
TTRR-41	Vessel, Receiver, Refrigerant, incl Shut Off Valve, 3/8" [9.53mm] Inlet, 4L
TTRR-56	Vessel, Receiver, Refrigerant, incl Shut Off Valve, 1/2" [12.7mm] Inlet, 6L
TTRR-76	Vessel, Receiver, Refrigerant, incl Shut Off Valve, 1/2" [12.7mm] Inlet, 7.6L
TTRR-105	Vessel, Receiver, Refrigerant, incl Shut Off Valve, 5/8" [15.88mm] Inlet, 10L
TTRR-58	Vessel, Receiver, Refrigerant, incl Shut Off Valve, 5/8" [15.88mm] Inlet, 10L
TTRR-34	Vessel, Receiver, Refrigerant, incl Shut Off Valve, 3/4" [19.05mm] Inlet, 11L
TTRR-78	Vessel, Receiver, Refrigerant, incl Shut Off Valve, 7/8" [22.23mm] Inlet, 16L
TTRR-18	Vessel, Receiver, Refrigerant, incl Shut Off Valve, 7/8" [22.23mm] Inlet, 18L
TTRR-24	Vessel, Receiver, Refrigerant, incl Shut Off Valve, 3/8" [9.53mm] Inlet, 3L



Line Fittings: Sight Glasses

ITEM	DESCRIPTION & SPECIFICATION
TTAC 104	Sight Glass, Moisture Indicator, Sweat On, 1/4" [6.35mm]"
TTAC 105	Sight Glass, Moisture Indicator, Sweat On, 3/8" [9.53mm]
TTAC 106	Sight Glass, Moisture Indicator, Sweat On, 1/2" [12.7mm]
TTAC 107	Sight Glass, Moisture Indicator, Sweat On, 5/8" [15.88mm]
TTAC 113S	Sight Glass, Moisture Indicator, Sweat On, 7/8" [22.23mm]
TTAC 112S	Sight Glass, Moisture Indicator, Sweat On, 3/4" [19.05mm]
TTAC 108	Sight Glass, Moisture Indicator, Flare on With Nuts, 1/4" [6.35mm]"
TTAC 113	Sight Glass, Moisture Indicator, Flare on With Nuts, Male/Female, 3/8" [9.53mm]
TTAC 109	Sight Glass, Moisture Indicator, Flare on With Nuts, 3/8" [9.53mm]
TTAC 110	Sight Glass, Moisture Indicator, Flare on With Nuts, 1/2" [12.7mm]
TTAC 107F	Sight Glass, Moisture Indicator, Flare on With Nuts, 5/8" [15.88mm]
TTAC 115	Sight Glass, Moisture Indicator, Flare on With Nuts, 1-1/8" [28.58mm]
TTSG-14F-DAN	Sight Glass, Danfoss, Flare, SGP [CFC/HCFC/HFC], 1/4" [6.35mm] inch, 014L0161
TTSG-14S-DAN	Sight Glass, Danfoss, Sweat, SGP [CFC/HCFC/HFC], 1/4" [6.35mm] inch, 014L0181
TTSG-34F-DAN	Sight Glass, Danfoss, Flare, SGP [CFC/HCFC/HFC], 3/4" [19.05mm] inch, 014L0166
TTSG-34S-DAN	Sight Glass, Danfoss, Sweat, SGP [CFC/HCFC/HFC], 3/4" [19.05mm] inch, 014L0185
TTSG-58F-DAN	Sight Glass, Danfoss, Flare, SGP [CFC/HCFC/HFC], 5/8" [15.88mm] inch, 014L0165
TTSG-12F-DAN	Sight Glass, Danfoss, Flare, SGP [CFC/HCFC/HFC], 1/2" [12.7mm] inch, 014L0163
TTSG-12S-DAN	Sight Glass, Danfoss, Sweat, SGP [CFC/HCFC/HFC], 1/2" [12.7mm] inch, 014L0183
TTSG-38F-DAN	Sight Glass, Danfoss, Flare, SGP [CFC/HCFC/HFC], 3/8" [9.53mm] inch, 014L0162
TTSG-38S-DAN	Sight Glass, Danfoss, Sweat, SGP [CFC/HCFC/HFC], 3/8" [9.53mm] inch, 014L0182
TTSG-58S-DAN	Sight Glass, Danfoss, Sweat, SGP [CFC/HCFC/HFC], 5/8" [15.88mm] inch, 014L0184



Line Fittings: Shut Off Valves (Manual)

ITEM	DESCRIPTION & SPECIFICATION
TTHV-14F	Valve, Shut Off, Flare on With Nuts, Manual [Hand], 1/4" [6.35mm]"
TTHV-14S	Valve, Shut Off, Sweat On, Manual [Hand], 1/4" [6.35mm]"
TTHV-38F	Valve, Shut Off, Flare on With Nuts, Manual [Hand], 3/8" [9.53mm]
TTHV-38S	Valve, Shut Off, Sweat On, Manual [Hand], 3/8" [9.53mm]
TTHV-12F	Valve, Shut Off, Flare on With Nuts, Manual [Hand], 1/2" [12.7mm]
TTHV-12S	Valve, Shut Off, Sweat On, Manual [Hand], 1/2" [12.7mm]
TTHV-58F	Valve, Shut Off, Flare on With Nuts, Manual [Hand], 5/8" [15.88mm]
TTHV-58S	Valve, Shut Off, Sweat On, Manual [Hand], 5/8" [15.88mm]
TTHV-34F	Valve, Shut Off, Flare on With Nuts, Manual [Hand], 3/4" [19.05mm]
TTHV-34S	Valve, Shut Off, Sweat On, Manual [Hand], 3/4" [19.05mm]
TTHV-78S	Valve, Shut Off, Sweat On, Manual [Hand], 7/8" [22.23mm]



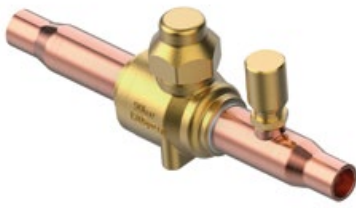
Line Fittings: Solenoid Valves

ITEM	DESCRIPTION & SPECIFICATION
TTSV-12S-1291-NO-DAN	Valve, Danfoss, Solenoid, Sweat On, EVR10, 1/2" [12.7mm], 220v, No Coil Incl
TTSV-58S-1299-NO-DAN	Valve, Solenoid, Sweat On, EVR15, 5/8" [15.88mm], No Coil Incl
TTSV-BI-12F	Valve, Solenoid, Flare, BiFlow, 1/2" [12.7mm], 220v, Coil Included
TTSV-BI-38F	Valve, Solenoid, Flare, BiFlow, 3/8" [9.53mm], 220v, Coil Included
TTSV-BI-58F	Valve, Solenoid, Flare, BiFlow, 5/8" [15.88mm], 220v, Coil Included
TTSV-BI-34F	Valve, Solenoid, Flare, BiFlow, 3/4" [19.05mm], 220v, Coil Included
TTSV-BI-78F	Valve, Solenoid, Flare, BiFlow, 7/8" [22.23mm], 220v, Coil Included
TTSV-38F-PISTON	Valve, Solenoid, Flare, NSV Series, 3/8" [9.53mm], Piston
TTSV-12F-PISTON	Valve, Solenoid, Flare, NSV Series, 1/2" [12.7mm], 220v, Piston, Coil Included
TTSV-14F	Valve, Solenoid, Flare, 1/4" [6.35mm]", 220v, Coil Included
TTSV-138S	Valve, Solenoid, Sweat On, SV32, 1-3/8" [34.93mm], 220v, Big Body, Coil Included
TTSV-38F	Valve, Solenoid, Flare, 3/8" [9.53mm], 220v, Coil Included
TTSV-1/2G24DC	Valve, Solenoid, Sweat On, 1/2" [12.7mm]
TTSV-38S	Valve, Solenoid, Sweat On, 3/8" [9.53mm], 220v, Coil Included
TTSV-12S	Valve, Solenoid, Sweat On, 1/2" [12.7mm], 220v, Coil Included
TTSV-12F	Valve, Solenoid, Flare, 1/2" [12.7mm], 220v
TTSV-BI-516F	Valve, Solenoid, Flare, BiFlow, 5/16" [7.94mm], 220v, Coil Included
TTSV-14F-8107-DAN	Valve, Danfoss, Solenoid, Flare, EVR3, 1/4" [6.35mm]", 220v, No Coil Incl
TTSV-14S-1206-DAN	Valve, Danfoss, Solenoid, Sweat On, EVR3, 1/4" [6.35mm]", 220v, No Coil Incl
TTSV-138SHF	Valve, Solenoid, Sweat On, SV32, 1-3/8" [34.93mm], 220v, Big Body, Coil Included
TTSV-158SHF	Valve, Solenoid, Sweat On, SV32, 1-5/8" [41.28mm], 220v, Big Body, Coil Included
TTSV-58S	Valve, Solenoid, Sweat On, 5/8" [15.88mm], 220v, Coil Included
TTSV-12F-8095-DAN	Valve, Danfoss, Solenoid, Flare, EVR10, 1/2" [12.7mm], 220v, No Coil Incl
TTSV-12S-1217-DAN	Valve, Danfoss, Solenoid, Sweat On, EVR10, 1/2" [12.7mm], 220v, No Coil Incl
TTSV-38F-8072-DAN	Valve, Danfoss, Solenoid, Flare, EVR6, 3/8" [9.53mm], 220v, No Coil Incl
TTSV-38S-1212-DAN	Valve, Danfoss, Solenoid, Sweat On, EVR6, 3/8" [9.53mm], 220v, No Coil Incl
TTSV-34S	Valve, Solenoid, Sweat On, 3/4" [19.05mm], 220v, Coil Included
TTSV-58F	Valve, Solenoid, Flare, 5/8" [15.88mm], 220v, Coil Included
TTSV-34F	Valve, Solenoid, Flare, 3/4" [19.05mm], 220v, Coil Included
TTSV-78F	Valve, Solenoid, Flare, 7/8" [22.23mm], 220v, Coil Included
TTSV-78S	Valve, Solenoid, Sweat On, 7/8" [22.23mm], 220v, Coil Included
TTSV-58F-8101-DAN	Valve, Danfoss, Solenoid, Flare, EVR15, 5/8" [15.88mm], 220v, No Coil Incl
TTSV-58S-1228-DAN	Valve, Danfoss, Solenoid, Sweat On, EVR15, 5/8" [15.88mm], 220v, No Coil Incl
TTSV-118S	Valve, Solenoid, Sweat On, 1-1/8" [28.58mm], 220v
TTSV-78S-1240-DAN	Valve, Danfoss, Solenoid, Sweat On, EVR20, 7/8" [22.23mm], 220v, No Coil Incl



Coils

ITEM	DESCRIPTION & SPECIFICATION
TTSV-COIL-12V	Coil, Fensheng, 12v, Spare
TTSV-COIL-12VDC-DAN	Coil, Danfoss, 12v, 018F6856
TTSV-COIL220V	Coil, Fensheng, 220v, Spare
TTSV-COIL-220V-DAN	Coil, Danfoss, 220v, 018F6701
TTSV-COIL-24V	Coil, Fensheng, 24v, Spare
TTSV-K001	Port, Kulthorn, Suction, HBP Compressors



Valves: Ball Valves

ITEM	DESCRIPTION & SPECIFICATION
TTBV-118S	Valve, Ball, 1-1/8"[28.58mm]
TTBV-218S	Valve, Ball, 2-1/8"[53.98mm]
TTBV-138S-DAN	Valve, Danfoss, Ball, 1-3/8"[34.93mm]
TTBV-78S-DAN	Valve, Danfoss, Ball, 7/8"[22.23mm]
TTBV-138S	Valve, Ball, 1-3/8"[34.93mm]
TTBV-158S	Valve, Ball, 1-5/8"[41.28mm]
TTBV-12S	Valve, Ball, Sweat On, 1/2"[12.7mm]
TTBV-58S	Valve, Ball, Sweat On, 5/8"[15.88mm]
TTBV-78S	Valve, Ball, 7/8"[22.23mm]



Valves: Service Valves A/C

ITEM	DESCRIPTION & SPECIFICATION
TTFC-602	Valve, Service, 1/4"[6.35mm] Tube, 7/16" 20 UNF, FC
TTFC-603	Valve, Service, 3/8"[9.53mm] Tube, 5/8"[15.88mm] 18 UNF, FC



Valves: Non Return

ITEM	DESCRIPTION & SPECIFICATION
TTRV-34S	Valve, Non-Return, Sweat On, 3/4"[19.05mm]
TTRV-58S	Valve, Non-Return, Sweat On, 5/8"[15.88mm]
TTRV-78S	Valve, Non-Return, Sweat On, 7/8"[22.23mm]



Valves: Line Tap

ITEM	DESCRIPTION & SPECIFICATION
TTPV-001	Valve, Linetap, Piercing, 1/4"[6.35mm]" x, 5/16"[7.94mm], 3/8"[9.53mm]
TTPV-341	Valve, Linetap, Piercing, HD, 3/16"[4.76mm] x, 3/8"[9.53mm]



Valves: Reverse

ITEM	DESCRIPTION & SPECIFICATION
TTRV-DSF11	Valve, Reverse, 4-Way, 1/2"[12.7mm] x, 5/8"[15.88mm], 220v
TTRV-DSF20	Valve, Reverse, 4-Way, 1/2"[12.7mm] x, 3/4"[19.05mm], 220v
TTRV-DSF4	Valve, Reverse, 4-Way, 5/16"[7.94mm] x, 3/8"[9.53mm], 220v
TTRV-DSF45	Valve, Reverse, 4-Way, 7/8"[22.23mm] x, 1-1/8"[28.58mm], 220v
TTRV-DSF9	Valve, Reverse, 4-Way, 3/8"[9.53mm] x, 1/2"[12.7mm], 220v
TTRV-DSF-COIL	Valve, Coil, DSF Replacement, 220v



Valves: Rotolock

ITEM	DESCRIPTION & SPECIFICATION
TTRO-JOINT-12	Valve, Rotolock, ZHJT03, 1/2" [12.7mm] x, 1/2" [12.7mm]
TTRO-JOINT-14	Valve, Rotolock, ZHJT01, 1/4" [6.35mm] x, 1/4" [6.35mm]
TTRO-JOINT-38	Valve, Rotolock, ZHJT02, 3/8" [9.53mm] x, 3/8" [9.53mm]
TTRO-JOINT-58	Valve, Rotolock, ZHJT04, 5/8" [15.88mm] x, 5/8" [15.88mm]
TTRO-OV32-A	Valve, Rotolock, Stubs, Service Discharge, 3/4" [19.05mm], C-SCN-753L8H
TTRO-OV32-SY	Valve, Rotolock, Stubs, Service Discharge, 3/4" [19.05mm], C-SCN-453/523/603L8H
TTRO-OV34-A	Valve, Rotolock, Stubs, Service Suction, 1" [25.4mm] Stub
TTRO-OV34-SY	Valve, Rotolock, Stubs, Service Suction, 1" [25.4mm] Stub



Valves: RV Receiver

ITEM	DESCRIPTION & SPECIFICATION
TTAC-RV-0404	Valve, Receiver, 1/4" [6.35mm]" SAE x, 1/4" [6.35mm] NPT
TTAC-RV-0406	Valve, Receiver, 1/4" [6.35mm]" SAE x, 3/8" [9.53mm] NPT
TTAC-RV-0606	Valve, Receiver, 3/8" [9.53mm] SAE x, 3/8" [9.53mm] NPT



Valves: Stubs

ITEM	DESCRIPTION & SPECIFICATION
TTRO-STUB-1	Valve, Rotolock, DCL-163, 1" [25.4mm] Stub
TTRO-STUB-114	Valve, Rotolock, DCL-163, 1-1/4" [31.75mm] Stub



Valves: V-Series

ITEM	DESCRIPTION & SPECIFICATION
TTRO-V01	Valve, Rotolock, V-Series, 1" x 3/8", [Stub 25.44x9.53mm] -V01
TTRO-V015	Valve, Rotolock, V-Series, 1" x 3/4", [Stub 25.44x19.08mm] -V015
TTRO-V05	Valve, Rotolock, V-Series, 1 1/4" x 7/8", [Stub 31.8x22.26mm] -V05
TTRO-V07	Valve, Rotolock, V-Series, 1 3/4" x 7/8", [Stub 44.52x22.26mm] -V07
TTRO-V08	Valve, Rotolock, V-Series, 1" x 5/8", [Stub 25.44x15.88mm] -V08
TTRO-V09	Valve, Rotolock, V-Series, 1 1/4" x 5/8", [Stub 31.8x15.88mm] -V09
TTRO-V02	Valve, Rotolock, V-Series, 1 3/4" x 1 1/8", [Stub 44.52x28.62mm] -V02
TTRO-V025	Valve, Rotolock, V-Series, 1 1/4" x 1 1/8", [Stub 31.8 x28.62mm] -V025
TTRO-V03	Valve, Rotolock, V-Series, 1 3/4" x 1 3/8", [Stub 44.52x34.98mm] -V03
TTRO-V035	Valve, Rotolock, V-Series, 1 3/4" x 1 5/8", [Stub 44.52x41.34mm] -V035
TTRO-V04	Valve, Rotolock, V-Series, 1 1/4" x 3/4", [Stub 31.8x19.08mm] -V04
TTRO-VS01	Valve, Rotolock, V-Series, 1" x 3/8", [Stub 25.44x9.53mm] -VS01, SS
TTRO-YS06	Valve, Rotolock, V-Series, 1" x 1/2", [Stub 25.44x12.7mm] -YS06, SS



Valves: Check

ITEM	DESCRIPTION & SPECIFICATION
TTAC-CV-01	Valve, Standard Check, Flare, 1/4" [6.35mm] Male, 5/16" [7.94mm] Female
TTAC-CV-02	Valve, Standard Check, Flare, 45 Deg, 1/4" [6.35mm] Male, 5/16" [7.94mm] Female
TTAC-CV-05	Valve, Standard Check, Flare, 45 Deg, 1/4" [6.35mm] Male, 1/4" [6.35mm] Female
TTAC-CV-07	Valve, Standard Check, Flare, 1/4" [6.35mm] Male, 1/4" [6.35mm] Female
TTAC-CV-08	Valve, Magnetic Check, 1/2" [12.7mm]
TTAC-CV-10	Valve, Magnetic Check, 5/8" [15.88mm]
TTAC-CV-12	Valve, Magnetic Check, 3/4" [19.05mm]
TTAC-CV-14	Valve, Magnetic Check, 7/8" [22.23mm]
TTAC-CV-18	Valve, Magnetic Check, 1-1/8" [28.58mm]
TTAC-CV-22	Valve, Magnetic Check, 1-3/8" [34.93mm]
TTAC-CV-26	Valve, Magnetic Check, 1-5/8" [41.28mm]
TTAC-CV-34	Valve, Magnetic Check, 2-1/8" [53.98mm]
TTAC-CV-42	Valve, Magnetic Check, 2-5/8" [66.68mm]



Valves: Expansion

ITEM	DESCRIPTION & SPECIFICATION
EXP-000	Valve, Orifice, Size 0
EXP-001	Valve, Orifice, Size 1
EXP-002	Valve, Orifice, Size 2
EXP-003	Valve, Orifice, Size 3
EXP-004	Valve, Orifice, Size 4
EXP-005	Valve, Orifice, Size 5
EXP-006	Valve, Orifice, Size 6
EXP-000-TI-EMS	Valve, Emerson, Orifice, TI/TIE No-00, 800533
EXP-001-TI-EMS	Valve, Emerson, Orifice, TI/TIE No-01, 800534
EXP-002-TI-EMS	Valve, Emerson, Orifice, TI/TIE No-02, 800535
EXP-003-TI-EMS	Valve, Emerson, Orifice, TI/TIE No-03, 800536
EXP-004-TI-EMS	Valve, Emerson, Orifice, TI/TIE No-04, 800537
EXP-005-TI-EMS	Valve, Emerson, Orifice, TI/TIE No-05, 800538
EXP-006-TI-EMS	Valve, Emerson, Orifice, TI/TIE No-06, 800539
EXP-000-T2-DAN	Valve, Danfoss, Orifice, T2/TE2, 068-2003
EXP-000-T5-DAN	Valve, Danfoss, Orifice, TE5, 067B2788
EXP-001-T2-DAN	Valve, Danfoss, Orifice, T2/TE2, 068-2010
EXP-001-T5-DAN	Valve, Danfoss, Orifice, TE5, 067B2789
EXP-002-T2-DAN	Valve, Danfoss, Orifice, T2/TE2, 068-2015
EXP-002-T5-DAN	Valve, Danfoss, Orifice, TE5, 067B2790
EXP-003-T2-DAN	Valve, Danfoss, Orifice, T2/TE2, 068-2006
EXP-003-T5-DAN	Valve, Danfoss, Orifice, TE5, 067B2791
EXP-004-T2-DAN	Valve, Danfoss, Orifice, T2/TE2, 068-2007
EXP-004-T5-DAN	Valve, Danfoss, Orifice, TE5, 067B2792
EXP-005-T2-DAN	Valve, Danfoss, Orifice, T2/TE2, 068-2008
EXP-006-T2-DAN	Valve, Danfoss, Orifice, T2/TE2, 068-2009
EXP-00X-T2-DAN	Valve, Danfoss, Orifice, T2/TE2, 068-2002
EXP-TE5B-SS-1278-DAN	Valve, Danfoss, Body, TE5, 1/2" (12.7mm) x, 7/8" (22.23mm), 067B4008
EXP-TE5B-SA-1278-DAN	Valve, Danfoss, Body, TE5, 1/2" (12.7mm) x, 7/8" (22.23mm), 067B4010
EXP-TE5B-SS-5878-DAN	Valve, Danfoss, Body, TE5, 5/8" (15.88mm) x, 7/8" (22.23mm), 067B4032
EXP-TE5B-SA-1258-DAN	Valve, Danfoss, Body, TE5, 1/2" (12.7mm) x, 5/8" (15.88mm), 067B4009
EXP-TEX5E-DAN	Valve, Danfoss, Expansion, Element, Thermostat, MC32 No MOP, 067B3250, R22
EXP-TE5E-DAN	Valve, Danfoss, Expansion, Element, Thermostat, MC32 No MOP, 067B3342, R404
EXP-TE5E-MOP-DAN	Valve, Danfoss, Expansion, Element, Thermostat, RC31 MOP, 067B3358, R404
EXP-TES12E-MOP-DAN	Valve, Danfoss, Expansion, Element, Thermostat, RC31 MOP, 067B3348, R404
EXP-AKV104-DAN	Valve, Danfoss, Expansion, Sweat On, Electric, No Coil/No Orifice
EXP-CTVEN-EMS	Valve, Emerson, Expansion, Flare EXT, Thermostat, No MOP, 802446, R134A
EXP-CTVES-EMS	Valve, Emerson, Expansion, Flare EXT, Thermostat, No MOP, 802460, R404A
EXP-CTVEX-EMS	Valve, Emerson, Expansion, Flare EXT, Thermostat, No MOP, 802421, R22
EXP-CTVN-EMS	Valve, Emerson, Expansion, Flare Int, Thermostat, No MOP, 802445, R134A
EXP-CTVS-EMS	Valve, Emerson, Expansion, Flare Int, Thermostat, No MOP, 802459, R404A
EXP-CTVX-EMS	Valve, Emerson, Expansion, Flare Int, Thermostat, No MOP, 802420, R22
EXP-CTVS-DAN	Valve, Danfoss, Expansion, Flare Int, Thermostat, MC32 No MOP Tons, 068Z3400, R404
EXP-CTVX-DAN	Valve, Danfoss, Expansion, Flare Int, Thermostat, MC32 No MOP Tons, 068Z3206, R22
EXP-CTVN-DAN	Valve, Danfoss, Expansion, Flare Int, Thermostat, MC32 No MOP Tons, 068Z3346, R134a
EXP-CTVEN-DAN	Valve, Danfoss, Expansion, Flare Ext, Thermostat, MC32 No MOP Tons, 068Z3348, R134a



Valves: Expansion continued

ITEM	DESCRIPTION & SPECIFICATION
EXP-CTVES-DAN	Valve, Danfoss, Expansion, Flare Ext, Thermostat, MC32 No MOP Tons, 068Z3403, R404
EXP-ASTV[E]1.5S	Valve, Expansion, Flare, Thermostat, Bar - Max Diff Tons, R404A
EXP-ASTV[E]10X	Valve, Expansion, Flare, Thermostat, 10 Tons, R22
EXP-ASTV[E]12X	Valve, Expansion, Flare, Thermostat, 12 Tons, R22
EXP-ASTV[E]2.5S	Valve, Expansion, Flare, Thermostat, Sec Rel Tons, R404A
EXP-ASTV[E]2S	Valve, Expansion, Flare, Thermostat, 2 Tons, R404A
EXP-ASTV[E]2X	Valve, Expansion, Flare, Thermostat, 2 Tons, R22
EXP-ASTV[E]3S	Valve, Expansion, Flare, Thermostat, 3 Tons, R404A
EXP-ASTV[E]3X	Valve, Expansion, Flare, Thermostat, 3 Tons, R22
EXP-ASTV[E]4X	Valve, Expansion, Flare, Thermostat, 4 Tons, R22
EXP-ASTV[E]5S	Valve, Expansion, Flare, Thermostat, 5 Tons, R404A
EXP-ASTV[E]5X	Valve, Expansion, Flare, Thermostat, 5 Tons, R22
EXP-ASTV[E]6.5S	Valve, Expansion, Flare, Thermostat, 5 Tons, R404A
EXP-ASTV[E]7.5X	Valve, Expansion, Flare, Thermostat, VT2 Tons, R22
EXP-ASTV[E]8S	Valve, Expansion, Flare, Thermostat, VT9 Tons, R404A
EXP-ETV9S	Valve, Expansion, Sweat On, Thermostat, 9 Tons, R404A
EXP-ETV11S	Valve, Expansion, Sweat On, Thermostat, 11 Tons, R404A
EXP-ETV14S	Valve, Expansion, Sweat On, Thermostat, 14 Tons, R404A
EXP-ETV14X	Valve, Expansion, Sweat On, Thermostat, R22, Big Body
EXP-ETV18X	Valve, Expansion, Sweat On, Thermostat, 18 Tons, R22
EXP-ETV22X	Valve, Expansion, Sweat On, Thermostat, 22 Tons, R22
EXP-ETV26X	Valve, Expansion, Sweat On, Thermostat, 26 Tons, R22
EXP-ETV35X	Valve, Expansion, Sweat On, Thermostat, 35 Tons, R22
EXP-ETV45X	Valve, Expansion, Sweat On, Thermostat, 45 Tons, R22
EXP-ETV55X	Valve, Expansion, Sweat On, Thermostat, 55 Tons, R22
EXP-ETV75X	Valve, Expansion, Sweat On, Thermostat, 75 Tons, R22
EXP-ETV100X	Valve, Expansion, Sweat On, Thermostat, 100 Tons, R22
EXP-SPOR-J8EFSX35	Valve, Expansion, Flare Ext, Sporlan Tons, R404A/R507C
EXP-PTV8	Valve, Expansion, Hot Gas, R22/R134A/R407C/R404/R507C, T30
EXP-PTV10W	Valve, Expansion, Hot Gas, R22/R134A/R407C/R404/R507C, T70
EXP-CTVZ	Valve, Expansion, Flare Int, R407A
EXP-CTVEZ	Valve, Expansion, SAE Flare Ext, 1/4" [6.35mm]", R407C
EXP-DTVZ	Valve, Expansion, Sweat On Int, R407C
EXP-DTVEX	Valve, Expansion, Sweat On Ext, 1/4" [6.35mm]", R22
EXP-DTVEZ	Valve, Expansion, Sweat On Ext, 1/4" [6.35mm]", R407C
EXP-DTVN	Valve, Expansion, Sweat On Int, R134A
EXP-DTVEN	Valve, Expansion, Sweat On Ext, 1/4" [6.35mm]", R134A
EXP-CTVX	Valve, Expansion, Flare Int, R22
EXP-CTVEN	Valve, Expansion, SAE Flare Ext, 1/4" [6.35mm]", R134A
EXP-CTVES	Valve, Expansion, Flare Ext, 1/4" [6.35mm]", R404A/R507A
EXP-CTVEX	Valve, Expansion, Flare Ext, R22
EXP-CTVN	Valve, Expansion, Flare Int, R134A
EXP-CTVS	Valve, Expansion, Flare Int, R404A/R507A
EXP-DTVX	Valve, Expansion, Sweat On Int, R22
EXP-DTVS	Valve, Expansion, Sweat On Int, R404A/R507A
EXP-DTVES	Valve, Expansion, Sweat On Ext, 1/4" [6.35mm]", R404A/R507A



Pressure Switches

ITEM	DESCRIPTION & SPECIFICATION
TTPS-506-DAN	Switch, Danfoss, Pressure, LP Auto, KP1, KP1, 060-110166
TTPS-506M-DAN	Switch, Danfoss, Pressure, LP Manual, KP1, 060-110366
TTPS-520	Switch, Pressure, HP Auto
TTPS-520-DAN	Switch, Danfoss, Pressure, HP Auto, KP5, 060-117166
TTPS-530M	Switch, Pressure, HP Manual
TTPS-530M-DAN	Switch, Danfoss, Pressure, HP Manual, KP5, 060-117366
TTPS-830	Switch, Pressure, LP & HP Auto
TTPS-830-DAN	Switch, Danfoss, Pressure, LP & HP Auto, KP15, 060-124166
TTPS-830HM	Switch, Pressure, LP Auto & HP Manual
TTPS-830HM-DAN	Switch, Danfoss, Pressure, LP Auto & HP Manual, KP15, 060-124366
TTPS-830LHM-DAN	Switch, Danfoss, Pressure, LP & HP Manual, KP15, 060-124566
TTPS-830M	Switch, Pressure, LP & HP Manual
TTPS-FSD35T	Switch, Pressure, Oil, Electronic Temp Controllers MPA-, 0.35 MPA , 60 Sec Rel
TTPS-FSD35TH	Switch, Pressure, Oil, for ATC1000 MPA-, 0.5 MPA , 60 Sec Rel
TTPS-FSD35THE	Switch, Pressure, Oil, FSD Series, for ATC1000 MPA-, 0.6 MPA , 60 Sec Rel
TTPS-MP54-DAN	Switch, Danfoss, Pressure, Oil Diff, MP54, 2 Stage Bar Diff, 0.2 Bar - Max Diff, 90 Sec Rel, 060B016866
TTPS-RANCO-506	Switch, Pressure, LP Auto, 016H6703101
TTPS-RANCO-506M	Switch, Pressure, LP Manual, 016H6705101
TTPS-RANCO-520	Switch, Pressure, HP Auto, 016H6750101
TTPS-RANCO-530M	Switch, Pressure, HP Manual, 016H6751101
TTPS-RANCO-830	Switch, Pressure, LP & HP Auto, 017H4701101
TTPS-RANCO-830HM	Switch, Pressure, HP Auto & LP Manual, 017H4705101
TTPS-RANCO-BRACKET	Bracket, Ranco, Pressure Switch
TTPS-RANOPS-120	Switch, Ranco, Pressure, Oil, P3003701000
TTPS-506	Switch, Pressure, LP Auto



Thermostats: Domestic

ITEM	DESCRIPTION & SPECIFICATION
DAN297055	Thermostat, MACSCool, Mechanical, Beverage/Bottle Cooler
TTTH-VC1	Thermostat, MACSCool, Mechanical, Single Door, 220 v, VC1
TTTH-VT2	Thermostat, MACSCool, Mechanical, Freezer, 220 v, VT2
TTTH-VT9	Thermostat, MACSCool, Mechanical, Double Door, 220 v, VT9



Thermostats: Mechanical

ITEM	DESCRIPTION & SPECIFICATION
TTH-VC1	Thermostat, MACSCool, Mechanical, Single Door, 220 v, VC1
TTH-VT2	Thermostat, MACSCool, Mechanical, Freezer, 220 v, VT2
TTH-VT9	Thermostat, MACSCool, Mechanical, Double Door, 220 v, VT9
TTH-AC-W2A	Thermostat, MACSCool, Mechanical, Water, Pnl Mnt, NTC Thermostat
TTH-F2000	Thermostat, MACSCool, Mechanical, F2000, FC Series, Box Thermostat
TTH-C17	Thermostat, MACSCool, Mechanical, 2 Stage, 220 v
TTH-RANCO-6999110	Thermostat, Ranco, Mechanical, Ice Bank Control, 220 v
TTH-KP61-DAN	Thermostat, Danfoss, Mechanical, Adj Diff, uF, 220 v, 5m Sensor, KP61, 060L110166
TTH-UT72SS-DAN	Thermostat, Danfoss, Mechanical, 6A/250V -30°/+30°, 2,0m Sensor, UT72, 060H1306
TTAC-RT201	Thermostat, Room, Mechanical
TTH-T15	Controller, MACSCool, Mechanical Temp, Capillary, Bracket Mount, EKS111 Thermostat, T15
TTH-T30	Controller, MACSCool, Mechanical Temp, Capillary, Bracket Mount, Double Ins Thermostat, T30
TTH-T70	Controller, MACSCool, Mechanical Temp, Capillary, Bracket Mount Thermostat, T70
TTH-T120	Controller, MACSCool, Mechanical Temp, Capillary, Bracket Mount, AW 4519EK, T120
TTH-TC40	Controller, MACSCool, Mechanical Temp, Capillary, Bracket Mount, AW 4520EK, TC40
TTH-TC90	Controller, MACSCool, Mechanical Temp, Capillary, Bracket Mount, AW 4528EK, TC90



Thermostats: Electronic Temp Controllers

ITEM	DESCRIPTION & SPECIFICATION
TTH-RCW-100	Recorder, MACSCool, Electronic Temp, Alarm Monitor, Cold Storage, 220 v
TTH-BETA-MC32	Controller, Beta, Electronic Temp, Milk Tank Control, Pnl Mnt, 220 v, MC32, Agitator
TTH-BETA-RC31	Controller, Beta, Electronic Temp, 1 Switch, Pnl Mnt, 220 v, 2 HP, RC31
TTH-BETA-RC32	Controller, Beta, Electronic Temp, Pnl Mnt, Dial Temp, 220 v, 2 HP, RC32
TTH-BETA-RC33	Controller, Beta, Electronic Temp, Defr/Fan, Pnl Mnt, Low Temp, 220 v, 2 HP, RC33, Defr/Fan
TTH-BETA-RC33DC	Controller, Beta, Electronic Temp, Defr/Comp, Pnl Mnt, 9-24 vDC, RC33DC, Defr/Comp
TTH-EKC102D-DAN	Controller, Danfoss, Electronic Temp, HtDefr/Comp/Fan/Alarm/2 Sens, Pnl Mnt, 220 v, EKC102D
TTH-EKC202A-DAN	Controller, Danfoss, Electronic Temp, HtDefr/Comp/Fan/Alarm/2 Sens, Pnl Mnt, 220 v, EKC202A
TTH-EKC202C-DAN	Controller, Danfoss, Electronic Temp, HtDefr/Comp/Fan/Alarm/2 Sens, Pnl Mnt, 220 v, EKC202C
TTH-EKC302-DAN	Controller, Danfoss, Electronic Temp, HtDefr/Comp/Fan/Alarm/2 Sens, DinRail, 220 v, EKC302
TTH-ERC211-DAN	Controller, Danfoss, Electronic Temp, Comp/2 Sens, Pnl Mnt, 220 v, ERC211
TTH-CLDN33-LT220VAC	Controller, Carel, Electronic Temp, Low Temp Freezer , DN33
TTH-MTC-5060	Controller, MACSCool, Electronic Temp, Defr/Comp/1 Sens, Pnl Mnt, 220 v
TTH-MTC-5080	Controller, MACSCool, Electronic Temp, Pnl Mnt, 220 v, for ECB-5080 Board
TTH-STC-8080	Controller, MACSCool, Electronic Temp, Defr/Comp/Fan, Pnl Mnt, 220 v
TTH-STC-9200	Controller, MACSCool, Electronic Temp, Pnl Mnt, 220 v, ETC-600
TTH-ECB-100	Controller, MACSCool, Electronic Temp, Pnl Mnt, 220 v, for ATC1000
TTH-ETC-200	Controller, MACSCool, Electronic Temp, Pnl Mnt, 220 v, P/WR
TTH-KLT32	Thermostat, MACSCool, Electronic, Defrost Delay, Pnl Mnt, 220 v, KLT32



Thermostats: Controller Probes & Peripherals

ITEM	DESCRIPTION & SPECIFICATION
TTTH-CLDN33-LT220VSC	PC Board/Card, Carel, Electronic Temp, Low Temp Freezer , DN33
TTTH-CLDN33-LTSENSOR	Sensor, Carel, Temperature, DN33
ETC-MICROPROBE	Probe, Temperature, Universal Controller
TTAC-ECB-PROBE	Probe, Spare, NTC, 2 m, ECB-5080 & ECB-5060
TTTH-BETA-BOX	Box, Beta
TTTH-BETA-NTC1	Probe, Beta, NTC, Double Ins, WJ 9485EK, 220 v
TTTH-BETA-NTC3	Probe, Beta, NTC, Double Ins, WJ 9485EK, 220 v
TTTH-KLT32-PROBE	Probe, PTC , for KLT32
TTTH-NTC35-DAN	Probe, Danfoss, NTC10K, WJ 2440ZK m, 220 v, 084N3206, EKS221
TTTH-PTC15-DAN	Probe, Danfoss, PTC1000, Bar - Max Diff m, 220 v, 084N1178, EKS111



Thermostats: Domestic Defrost Timer

ITEM	DESCRIPTION & SPECIFICATION
TTDT-DBZ-802	Timer, Defrost, 8H, 46Min even
TTDT-DBZA-802	Timer, Defrost, 8H, 48Min even
TTDT-DBZC-620	Timer, Defrost, 6H, 20min
TTDT-DBZD-620	Timer, Defrost, 6H, 25min
TTDT-DGY-904	Timer, Defrost, 8H, 21min
TTDT-LEGRAND	Timer, Legrand, Analogue, Microrex, with Fan Delay, easy Plug & Play
TTDT-LEGRAND-DGTL-1	Timer, Legrand, Digital, Microrex, 230V, 16A 1Ch
TTDT-PARAGON	Timer, Paragon, Defrost, 8145-21
TTEL-SB-382	Timer, Defrost, Adjustable, with Fan Delay
TTEL-TD-20C	Timer, Defrost, 8H, 17min



Thermometers: Loggers

ITEM	DESCRIPTION & SPECIFICATION
TTDT-RC-18	Logger, Data, Temperature, Single Use, 14400 Memory, IP67 3V , Lithium Battery 79,9 x 47 x 4,4 ,mm
TTDT-RC-4	Logger, Data, Temperature & Humidity, 16000 Memory
TTDT-RC-4HA	Logger, Digital, Temperature & Humidity
TTDT-RC-4HC	Logger, Data, Temperature & Humidity, Comm USB Interface, 16000 Memory



Thermometers

ITEM	DESCRIPTION & SPECIFICATION
TTDT-001	Thermometer, Digital, Pocket
TTDT-100MM	Thermometer, Dial, NTC, 100mm
TTDT-60MM	Thermometer, Dial, MAN-MTZ018/22/028 & NTZ048/068, 60mm
TTDT-DS-2	Thermometer, Digital, 2 Probe
TTDT-DT-3	Thermometer, Digital, Large Display, Starting Compressor DC, 1.5v
TTDT-DTH-1	Thermometer, Digital, Hygrometer, Starting Compressor, 20%-90% Humidity
TTDT-DTH-3	Thermometer, Digital, Temp/Humid/Time/Date, 3/1, 30%-90% Humidity
TTDT-HH-002	Thermometer, Digital, Hand Held, 3KW(6A) Delta T
TTDT-PR-001	Thermometer, Digital, Yellow Probe
TTDT-ST-2	Thermometer, Digital, Starting Compressor
TTDT-TP-2	Thermometer, Digital, Heavy Duty
REF-8868	Thermometer, Infrared, 11.4KW/PH(30A), 12:1 D:S
REF-RT-902	Thermometer, Hand Held, Alarm
TTAC-ST-50	Thermometer, Digital, Solar Powered, Surfix, 50mm



Electrical Capacitors

ITEM	DESCRIPTION & SPECIFICATION
TTAC-CBB-204	Capacitor, 4uF
TTAC-CBB-205	Capacitor, Run, 5 uF, 450V
TTAC-CBB-210	Capacitor, Run, 10uF
TTAC-CBB-225	Capacitor, Run, 25 uF, 450V-450V
TTAC-CBB-230	Capacitor, Run, 30uF, 450V-450V
TTAC-CBB-315	Capacitor, Run, 15uF, 440V
TTAC-CBB-320	Capacitor, Run, 20uF, 440V
TTAC-CBB-335	Capacitor, Run, 35uF, 440
TTAC-CBB-340	Capacitor, Run, 40uF, 440V
TTAC-CBB-345	Capacitor, Run, 45uF, 440V
TTAC-CBB-350	Capacitor, Run, 50uF, 440V
TTAC-CBB-360	Capacitor, Run, 60uF, 440V
TTAC-CBB-HS600	1/2-5HP START CAPACITOR
TTAC-MS-108	Capacitor, Start, 108-130uF, 220V
TTAC-MS-130	Capacitor, Start, 130-156uF, 220V
TTAC-MS-145	Capacitor, Start, 145-171uF, 220V
TTAC-MS-150	Capacitor, Start, 150uF, 220V
TTAC-MS-161	Capacitor, Start, 161-193uF, 220V
TTAC-MS-53	Capacitor, Start, 53-64uF, 220V
TTAC-MS-67	Capacitor, Start, 67-77uF, 220V
TTAC-MS-88	Capacitor, Start, 88-108uF, 220V
TTAC-CAP-2UF	Capacitor, Fan, 2 uF, 440V
TTEL-SCAP-3643-KT	Capacitor, Kulthorn, Start, AE 4430/4440/4448/2420/4474/7426/7435/7445/9422
TTEL-SCAP-4352-KT	Capacitor, Kulthorn, Start, AE 2428ZK

Electrical Protection: Thermo Protector

ITEM	DESCRIPTION & SPECIFICATION
TTEL-THERM-12	Protector, Thermo, 1/2 HP
TTEL-THERM-13	Protector, Thermo, 1/3 HP
TTEL-THERM-14	Protector, Thermo, 1/4 HP
TTEL-THERM-15	Protector, Thermo, 1/5 HP
TTEL-THERM-16	Protector, Thermo, 1/6 HP
TTEL-THERM-18	Protector, Thermo, 1/8 HP

Electrical Protection: Overloads/Relay

ITEM	DESCRIPTION & SPECIFICATION
TTEL-ICA-23	Relay, 1/4, 1/3 HP
TTEL-ICA-25	Relay, 1/8, 1/6, 1/5 HP
TTEL-ICG-220	Relay, ICG220, 1/2 - 1/2 HP
TTEL-OLOAD-001-KT	Protector, Kulthorn, Overload, WJ 9430
TTEL-OLOAD-002-KT	Protector, Kulthorn, Overload, WJ 9445YK
TTEL-OLOAD-003-KT	Protector, Kulthorn, Overload, WJ 9460YK
TTEL-OLOAD-004-KT	Protector, Kulthorn, Overload, WJ 2440ZK
TTEL-OLOAD-005-KT	Protector, Kulthorn, Overload, WJ 9470EK
TTEL-OLOAD-006-KT	Protector, Kulthorn, Overload, WJ 9485EK
TTEL-QTD-068	Relay, Delay on Make
TTEL-QTD-072	Relay, Delay on Break
TTEL-REL-682-INT-KT	Relay, Kulthorn, AE 2420/4448EK/7435/7445
TTEL-REL-682-25NT-KT	Relay, Kulthorn, AE 4474EK
TTEL-REL-682-8NT-KT	Relay, Kulthorn, AE 2428ZK
TTEL-REL-684-1ASY-KT	Relay, Kulthorn, AE 4430/7426/9422
TTEL-REL-684-3ASY-KT	Relay, Kulthorn, AE 4440Y
TTEL-REL-684-7ASY-KT	Relay, Kulthorn, AE 4448Y
TTEL-RELAY	Relay, Potential, Load HP
TTEL-RELAY-1	Relay, Potential, Motor Starting
TTEL-RELAY-1.5	Relay, Potential, for AW4519E[GE3ARR3AX16A2]
TTEL-RELAY-KGE680	Relay, Potential
TTEL-RELAY-KME682INT	Relay, Current

Kulthorn Electrical Boxes

ITEM	DESCRIPTION & SPECIFICATION
TTEL-EBOX-001-KT	Box, Kulthorn, Electrical, Full, WJ9430/9460
TTEL-EBOX-002-KT	Box, Kulthorn, Electrical, Full, WJ9430/9460
TTEL-EBOX-003-KT	Box, Kulthorn, Electrical, Full, WJ2440ZK/9485EK
TTEL-EBOX-004-KT	Box, Kulthorn, Electrical, Full, AW 2450ZK
TTEL-EBOX-005-KT	Box, Kulthorn, Electrical, Full, AW 2462ZK
TTEL-EBOX-006-KT	Box, Kulthorn, Electrical, Full, AW 2464ZK
TTEL-EBOX-007-KT	Box, Kulthorn, Electrical, Full, AW 2495ZK
TTEL-EBOX-008-KT	Box, Kulthorn, Electrical, Full, AW 4519EK
TTEL-EBOX-009-KT	Box, Kulthorn, Electrical, Full, AW 4520EK
TTEL-EBOX-010-KT	Box, Kulthorn, Electrical, Full, AW 4528EK
TTEL-EBOX-CS10K7	Box, Copeland, Electrical, CS10K7ME-PFZ
TTEL-EBOX-CS13K7	Box, Copeland, Electrical, CS13K7ME-PFZ
TTEL-EBOX-CS17K7	Box, Copeland, Electrical, CS17K7ME-PFZ
TTEL-EBOX-CS20K7	Box, Copeland, Electrical, CS20K7ME-PFZ

Electrical Protection: Kulthorn Electrical boxes continued

ITEM	DESCRIPTION & SPECIFICATION
TTEL-EBOX-KCE443HAE	Box, Copeland, Electrical, KCE443HAE-B331H
TTEL-EBOX-KCE461HAE	Box, Copeland, Electrical, KCE461HAE-V371H
TTEL-EBOX-KCJ461CAL	Box, Copeland, Electrical, KCJ461CAL-B323H
TTEL-EBOX-KCJ467HAG	Box, Copeland, Electrical, KCJ467HAG-B222H
TTEL-EBOX-KCJ484CAL	Box, Copeland, Electrical, KCJ484CAL-B323H
TTEL-EBOX-KCJ498HAG	Box, Copeland, Electrical, KCJ498HAG-S221H
TTEL-EBOX-KCJ511HAE	Box, Copeland, Electrical, KCJ511HAE-B322H
TTEL-EBOX-KCJ511HAG	Box, Copeland, Electrical, KCJ511HAG-U322H
TTEL-EBOX-KCJ513HAE	Box, Copeland, Electrical, KCJ513HAE-B322H
TTEL-EBOX-KCJ513HAG	Box, Copeland, Electrical, KCJ513HAG-S322H
TTEL-EBOX-KCM475LAL	Box, Copeland, Electrical, KCM475LAL-C312H
TTEL-EBOX-KCM511CAL	Box, Copeland, Electrical, KCM511CAL-B312H
TTEL-EBOX-KCM514CAL	Box, Copeland, Electrical, KCM514CAL-B312H
TTEL-EBOX-KCM519CAL	Box, Copeland, Electrical, KCM519CAL-B312H
TTEL-EBOX-KCM522CAL	Box, Copeland, Electrical, KCM522CAL-B313H



Control Boxes

ITEM	DESCRIPTION & SPECIFICATION
TTAC-ECB-100	Control Box, FR/CR, ECB-5080, 3 CH, 3 Phase, 11KW[28A] KW/Ph Comp&Defr, 4KW/PH (7A) Fans
TTAC-ECB-1000	Control Box, CR, 1 CH, 3/1 Phase, 3KW[6A] KW/Ph, No Phase Rotation Protection
TTAC-ECB-1000Q	Control Box, 3 CH, 1 Phase, 2.2KW[10A] KW/Ph Comp&Defr, 1.1KW/PH (5A) Fans
TTAC-ECB-200	Control Box, FR/CR, ECB-5060, 2 CH, 3 Phase, 11KW[28A] KW/Ph Comp&Defr
TTAC-ECB-2030	Control Box, Compressor Defrost, Fans, 3 CH, 3 Phase
TTAC-ECB-3010	Control Box, CR, Compressor Only, EK-3010, 1 CH, 3 Phase, 11.4KW/PH[30A]
TTAC-ECB-3030	Control Box, FR/CR, EK-3030, 3 CH, 3 Phase, 11.4KW/PH[30A] KW/Ph Comp&Defr, 4KW/PH (7A) Fans

Starting Kits

ITEM	DESCRIPTION & SPECIFICATION
TTEL-START1-DAN	Kit, Starting Compressor, Single Phase, CSR, MAN-MTZ018/22/028 & NTZ048/068
TTEL-START2-DAN	Kit, Starting Compressor, Single Phase, CSR, MAN-MTZ032/036



Fans: Axial

ITEM	DESCRIPTION & SPECIFICATION
TTFA-200/220	Fan, Axial, Suction, 4 Pole, 220 V, 200mm, 425 m ³ /H, 250 CFM, Static Pressure, Max 50
TTFA-200/380	Fan, Axial, Suction, 4 Pole, Min 46 V, 200mm, 425 m ³ /H, 250 CFM, Static Pressure, Max 50
TTFA-250/220	Fan, Axial, Suction, 4 Pole, 220 V, 250mm, 860 m ³ /H, 505 CFM, Static Pressure, Max 60
TTFA-250/380	Fan, Axial, Suction, 4 Pole, Min 46 V, 250mm, 860 m ³ /H, 505 CFM, Static Pressure, Max 60
TTFA-CE-250	Fan, Axial, Extract, Domestic Ceiling, 250mm
TTFA-300/220	Fan, Axial, Suction, 4 Pole, 220 V, 300mm, 1750 m ³ /H, 1030 CFM, Static Pressure, Max 60
TTFA-300/220B	Fan, Axial, Blowing, 4 Pole, 220 V, 300mm, 1750 m ³ /H, 1030 CFM, Static Pressure, Max 60
TTFA-300/380	Fan, Axial, Suction, 4 Pole, Min 46 V, 300mm, 1750 m ³ /H, 1030 CFM, Static Pressure, Max 60
TTFA-300-EBM	Fan, EBM, Assembly, 220 V, 300mm, 34 W
TTFA-300PBG	Grill, Fan Basket, Plastic, 300mm
TTFA-350/220	Fan, Axial, Suction, 4 Pole, 220 V, 350mm, 2670 m ³ /H, 1570 CFM, Static Pressure, Max 90
TTFA-350/220-6	Fan, Axial, Suction, 6 Pole, 220 V, 350mm, 1560 m ³ /H, 920 CFM, Static Pressure, Max 40
TTFA-350/220B	Fan, Axial, Blowing, 4 Pole, 220 V, 350mm, 2670 m ³ /H, 1570 CFM, Static Pressure, Max 90
TTFA-350/220B-6	Fan, Axial, Blowing, 6 Pole, 220 V, 350mm, 1560 m ³ /H, 920 CFM, Static Pressure, Max 60
TTFA-350/380	Fan, Axial, Suction, 4 Pole, Min 46 V, 350mm, 2670 m ³ /H, 1570 CFM, Static Pressure, Max 90
TTFA-350/380-6	Fan, Axial, Suction, 6 Pole, Min 46 V, 350mm, 1560 m ³ /H, 920 CFM, Static Pressure, Max 60
TTFA-400/220	Fan, Axial, Suction, 4 Pole, 220 V, 400mm, 3500 m ³ /H, 2060 CFM, Static Pressure, Max 90
TTFA-400/220-6	Fan, Axial, Suction, 6 Pole, 220 V, 400mm, 2800 m ³ /H, 1647 CFM, Static Pressure, Max 60
TTFA-400/220B	Fan, Axial, Blowing, 4 Pole, 220 V, 400mm, 3500 m ³ /H, 2060 CFM, Static Pressure, Max 90
TTFA-400/220B-6	Fan, Axial, Blowing, 6 Pole, 220 V, 400mm, 2800 m ³ /H, 1647 CFM, Static Pressure, Max 60
TTFA-400/380	Fan, Axial, Suction, 4 Pole, Min 46 V, 400mm, 3500 m ³ /H, 2060 CFM, Static Pressure, Max 90
TTFA-400/380-6	Fan, Axial, Suction, 6 Pole, Min 46 V, 400mm, 2800 m ³ /H, 1647 CFM, Static Pressure, Max 60
TTFA-450/220	Fan, Axial, Suction, 4 Pole, 220 V, 450mm, 4800 m ³ /H, 2825 CFM, Static Pressure, Max 100
TTFA-450/220-6	Fan, Axial, Suction, 6 Pole, 220 V, 450mm, 3600 m ³ /H, 2117 CFM, Static Pressure, Max 60
TTFA-450/220B	Fan, Axial, Blowing, 4 Pole, 220 V, 450mm, 4800 m ³ /H, 2825 CFM, Static Pressure, Max 100
TTFA-450/220B-6	Fan, Axial, Blowing, 6 Pole, 220 V, 450mm, 3600 m ³ /H, 2117 CFM, Static Pressure, Max 60
TTFA-450/380	Fan, Axial, Suction, 4 Pole, Min 46 V, 450mm, 4800 m ³ /H, 2825 CFM, Static Pressure, Max 100
TTFA-450/380-6	Fan, Axial, Suction, 6 Pole, 220 V, 450mm, 3600 m ³ /H, 2117 CFM, Static Pressure, Max 60
TTFA-500/220	Fan, Axial, Suction, 4 Pole, 220 V, 500mm, 6500 m ³ /H, 3835 CFM, Static Pressure, Max 120
TTFA-500/220-6	Fan, Axial, Suction, 6 Pole, 220 V, 500mm, 4320 m ³ /H, 2548 CFM, Static Pressure, Max 90
TTFA-500/380	Fan, Axial, Suction, 4 Pole, Min 46 V, 500mm, 6500 m ³ /H, 3835 CFM, Static Pressure, Max 120
TTFA-500/380-6	Fan, Axial, Suction, 6 Pole, Min 46 V, 500mm, 4320 m ³ /H, 2548 CFM, Static Pressure, Max 90
TTFA-630/220	Fan, Axial, Suction, 4 Pole, 220 V, 630mm, 10800 m ³ /H, 6381 CFM, Static Pressure, Max 150
TTFA-630/220-6	Fan, Axial, Suction, 6 Pole, 220 V, 630mm, 9500 m ³ /H, 5613 CFM, Static Pressure, Max 110
TTFA-630/380	Fan, Axial, Suction, 4 Pole, Min 46 V, 630mm, 10800 m ³ /H, 6381 CFM, Static Pressure, Max 160
TTFA-630/380-6	Fan, Axial, Suction, 6 Pole, Min 46 V, 630mm, 9500 m ³ /H, 5613 CFM, Static Pressure, Max 120
TTFA-710/380	Fan, Axial, Suction, 4 Pole, Min 46 V, 710mm, 15500 m ³ /H, 8990 CFM, Static Pressure, Max 120
TTFA-710/380-8	Fan, Axial, Suction, 8 Pole, Min 46 V, 710mm, 12000 m ³ /H, 5974 CFM, Static Pressure, Max 100
TTFA-800/380	Fan, Axial, Suction, 6 Pole, Min 46 V, 800mm, 25000 m ³ /H, 14500 CFM, Static Pressure, Max 150
TTFA-800/380-8	Fan, Axial, Suction, 8 Pole, Min 46 V, 800mm, 15500 m ³ /H, 9160 CFM, Static Pressure, Max 80
TTFA-900/380-8	Fan, Axial, Suction, 8 Pole, Min 46 V, 900mm, 20000 m ³ /H, 11800 CFM, Static Pressure, Max 130

Fans: Duct

ITEM	DESCRIPTION & SPECIFICATION
TTFA-DF-100	Fan, Duct, 220 V, 100mm, 260, 153 CFM, Static Pressure, Max 306
TTFA-DF-125	Fan, Duct, 220 V, 125mm, 350, 206 CFM, Static Pressure, Max 298
TTFA-DF-150	Fan, Duct, 220 V, 150mm, 550, 324 CFM, Static Pressure, Max 375
TTFA-DF-200	Fan, Duct, 220 V, 200mm, 900, 529 CFM, Static Pressure, Max 547
TTFA-DF-250	Fan, Duct, 220 V, 250mm, 1000, 599 CFM, Static Pressure, Max 571
TTFA-DF-315	Fan, Duct, 220 V, 315mm, 1600, 941 CFM, Static Pressure, Max 680



Fans: Fan Motors

ITEM	DESCRIPTION & SPECIFICATION
TTAC-16/18-CCW	Motor, Fan, CCW, 220 V, 18 Watt
TTAC-205-CCW	Motor, Fan, CCW, 220 V, 5 Watt
TTAC-310-CCW	Motor, Fan, CCW, 220 V, 10 Watt
TTAC-325-CCW	Motor, Fan, CCW, 220 V, 25 Watt
TTAC-334-CCW	Motor, Fan, CCW, 220 V, 34 Watt
TTAC-300-EBM	Assembly, EBM, Fan Motor, 220 V, 34 Watt, 300mm
TTAC-310-EBM	Motor, EBM, Fan, Drilled & Taped Q, 220 V, 10 Watt
TTAC-316-EBM	Motor, EBM, Fan, Drilled & Taped Q, 220 V, 16 Watt
TTAC-325-EBM	Motor, EBM, Fan, Drilled & Taped Q, 220 V, 25 Watt
TTAC-334-EBM	Motor, EBM, Fan, Drilled & Taped Q, 220 V, 34 Watt
TTAC-500-EBM	Assembly, EBM, Fan Motor, Condenser/Evaporator, 220 V, 500mm
TTAC-632-EBM	Assembly, EBM, Fan Motor, Condenser/Evaporator, 220 V, 632mm



Fans: PC Board Fans

ITEM	DESCRIPTION & SPECIFICATION
TTFC-21CFM	Fan, PC-Board, 220V, H2001CC Watt, 0.08 A, 21 CFM, 80x80mm
TTFC-31CFM	Fan, PC-Board, 220V, H2001CC Watt, 0.08 A, 32 CFM, 90x90mm
TTFC-35CFM	Fan, PC-Board, 220V, H280CC Watt, 0.07 A, 35 CFM, 82x82mm
TTFC-53CFM	Fan, PC-Board, 220V, H2001CC Watt, 0.08 A, 53 CFM, 120x120mm
TTFC-55CFM	Fan, PC-Board, 220V, H2001CC Watt, 0.08 A, 55 CFM, 110x110mm
TTFC-73CFM	Fan, PC-Board, 220V, CCW Watt, 0.14 A, 73 CFM, 120x120mm
TTFC-190CFM	Fan, PC-Board, 220V, H180CC Watt, 0.24 A, 190 CFM, 175x175mm
TTAC-FEM-672	Fan, Utility, CCW, Siz6-Desc RPM
TTAC-YZF-3206	Fan, Utility, Siz5-Desc W, Shaded Pole Motor Input

Fans: Other

ITEM	DESCRIPTION & SPECIFICATION
TTFA-JL-001	Fan, Assembly, KA9540ZXG V
TTFA-JL-002	Fan, Assembly, KA9540ZXG V
TTFA-PF-450/220-4	Fan, Prop, 220 V, 450mm

Fittings: Latches, Hinges & Brackets

ITEM	DESCRIPTION & SPECIFICATION
FLEXI-BRACKET-1M	Bracket, Stainless, PVC Strip Door, H403CC x, 1mm, 100mm Brackets
M4860LBRKT	Bracket, Installation, Indoor, Left
M4860MOTBRKT	Bracket, Fan Motor, Indoor
M4860RBRKT	Bracket, Installation, Indoor, Right
TTAC-BRACK-FLR-BIGPC	Bracket, Floor, Powder Coated, H75CC, 200kg Load, 850x430x600mm LxWxH
TTAC-BRACK-FLR-SMLPC	Bracket, Floor, Powder Coated, H75CC(WCH), 200kg Load, 850x380x400mm LxWxH
TTDH-FC-1332	Hinge, Edge Mount, Zinc, each
TTDH-FC-1450	Hinge, Door Underbar, [2's], Sell Per Each
TTDH-FC-1470	Hinge
PACK-MCOOL-DOORLOUVR	Kit/Pack, Door Louvre, Mcool, incl Hinges & Latch
TTDL-FC-1178	Latch, Safety, CAE7435EB-892w, set
TTDL-FC-1200	Latch, Edge Mount
TTDL-FC-1178	Latch, Safety, CAE7435EB-892w, set
TTDL-FC-1200	Latch, Edge Mount
TTDL-FC-1400	Latch, Lever + Roller, 330x470x279
TTDL-FC-1401	Latch, Lever + Roller, 330x470x233
TTDH-FC-1132	Fitting, Cam Edge Mount, Lift Door Lever
TTDH-FC-1428	Fitting, Reach In Door, 28mm, 6"



Compressors: Hermetic Piston; Domestic; Sikelan

ITEM	DESCRIPTION & SPECIFICATION
TTAC-DOM-112	Comp, Sikelan, Herm, Pist, [Ref], 1/12 HP, R134A, 0,7 kW @, -23,3 Evap, 220, VAC, 50, Hz
TTAC-DOM-110	Comp, Sikelan, Herm, Pist, [Ref], 1/10 HP, R134A, 0,85 kW @, -23,3 Evap, 220, VAC, 50, Hz
TTAC-DOM-18	Comp, Sikelan, Herm, Pist, [Ref], 1/8 HP, R134A, 0,7 kW @, -23,3 Evap, 220, VAC, 50, Hz
TTAC-DOM-16	Comp, Sikelan, Herm, Pist, [Ref], 1/6 HP, R134A, 0,135 kW @, -23,3 Evap, 220, VAC, 50, Hz
TTAC-DOM-15	Comp, Sikelan, Herm, Pist, [Ref], 1/5 HP, R134A, 0,15 kW @, -23,3 Evap, 220, VAC, 50, Hz
TTAC-DOM-14	Comp, Sikelan, Herm, Pist, [Ref], 1/4" [6.35mm] HP, R134A, 0,19 kW @, -23,3 Evap, 220, VAC, 50, Hz
TTAC-DOM-13	Comp, Sikelan, Herm, Pist, [Ref], 1/3 HP, R134A, 0,22 kW @, -23,3 Evap, 220, VAC, 50, Hz
TTAC-600-16	Comp, Sikelan, Herm, Pist, [Ref], 1/6 HP, R600a, 0,145 kW @, -23,3 Evap, 220, VAC, 50, Hz
TTAC-600-15	Comp, Sikelan, Herm, Pist, [Ref], 1/5 HP, R600a, 0,157 kW @, -23,3 Evap, 220, VAC, 50, Hz
TTAC-600-14	Comp, Sikelan, Herm, Pist, [Ref], 1/4" [6.35mm] HP, R600a, 0,185 kW @, -23,3 Evap, 220, VAC, 50, Hz
TTAC-290-14	Comp, Sikelan, Herm, Pist, [Ref], 1/4" [6.35mm] HP, R290a, 0,265 kW @, -23,3 Evap, 220, VAC, 50, Hz
TTAC-290-13	Comp, Sikelan, Herm, Pist, [Ref], 1/3 HP, R290a, 0,34 kW @, -23,3 Evap, 220, VAC, 50, Hz
TTAC-290-12	Comp, Sikelan, Herm, Pist, [Ref], 1/2" [12.7mm] HP, R290a, 0,625 kW @, -23,3 Evap, 220 VAC, 50 Hz
TTAC-DOM-DB35	Comp, Sikelan, Herm, Pist, [Ref], R134A, 0,1 kW @, -23,3 Evap, 12/24 VDC
TTAC-DOM-DB65	Comp, Sikelan, Herm, Pist, [Ref], R134A, 0,21 kW @, -23,3 Evap, 12/24 VDC



Compressors: Hermetic Piston; Commercial; Copeland

ITEM	DESCRIPTION & SPECIFICATION
KCE443HAE-B	Comp, Copeland, Pist, MT, 1/3HP, R22, 0,664 kW @-5°C, 8cc, 220 VAC, Min Oil
KCE461HAE-V	Comp, Copeland, Pist, MT, 1/2HP, R22, 1,01 kW @-5°C, 11.05cc, 220 VAC, Min Oil
KCJ511HAE-B	Comp, Copeland, Pist, MT, 3/4HP, R22, 1,58 kW @-5°C, 18.3cc, 220 VAC, Min Oil
KCJ513HAE-B	Comp, Copeland, Pist, MT, 1 1/4HP, R22, 2,32 kW @-5°C, 25.91cc, 220 VAC, Min Oil
KCE419HAG-V	Comp, Copeland, Pist, MT, 1/6HP, R134A, 0,309 kW @-5°C, 5.8cc, 220 VAC, POE Oil
KCE425HAG-V	Comp, Copeland, Pist, MT, 1/5HP, R134A, 0,400 kW @-5°C, 7.6cc, 220 VAC, POE Oil
KCE432HAG-S	Comp, Copeland, Pist, MT, 1/4HP, R134A, 0,525 kW @-5°C, 9.42cc, 220 VAC, POE Oil
KCE444HAG-F	Comp, Copeland, Pist, MT, 1/3HP, R134A, 0,708 kW @-5°C, 12cc, 220 VAC, POE Oil
KCJ467HAG-B	Comp, Copeland, Pist, MT, 1/2HP, R134A, 1,09 kW @-5°C, 18.27cc, 220 VAC, POE Oil
KCJ498HAG-S	Comp, Copeland, Pist, MT, 3/4HP, R134A, 1,56 kW @-5°C, 25.91cc, 220 VAC, POE Oil
KCJ511HAG-U	Comp, Copeland, Pist, MT, 1HP, R134A, 1,84 kW @-5°C, 29.3cc, 220 VAC, POE Oil
KCJ513HAG-U	Comp, Copeland, Pist, MT, 1 1/4HP, R134A, 2,31 kW @-5°C, 38cc, 220 VAC, POE Oil
KCM475LAL-C	Comp, Copeland, Pist, LT, 1,8HP, R404a, 1,44 kW @-25°C, 52cc, 220 VAC, POE Oil
KCM512LAL-E	Comp, Copeland, Pist, LT, 2,45HP, R404a, 2,93 kW @-25°C, 83cc, 380 VAC, POE Oil
KCM515LAL-E	Comp, Copeland, Pist, LT, 2,65HP, R404a, 3,11 kW @-25°C, 90cc, 380 VAC, POE Oil
KCM517LAL-E	Comp, Copeland, Pist, LT, 2,79HP, R404a, 3,65 kW @-25°C, 95cc, 380 VAC, POE Oil
KCM520LAL-E	Comp, Copeland, Pist, LT, 2,3HP, R404a, 4,01 kW @-25°C, 95cc, 380 VAC, POE Oil
KCJ461CAL-B	Comp, Copeland, Pist, MT, 3/4HP, R404a, 2,05 kW @-5°C, 18cc, 220 VAC, POE Oil
KCJ484CAL-B	Comp, Copeland, Pist, MT, 1 1/4HP, R404a, 2,34 kW @-5°C, 26cc, 220 VAC, POE Oil
KCM511CAL-B	Comp, Copeland, Pist, MT, 1,8HP, R404a, 3,60 kW @-5°C, 41cc, 220 VAC, POE Oil
KCM511CAL-E	Comp, Copeland, Pist, MT, 1,8HP, R404a, 3,80 kW @-5°C, 41cc, 380 VAC, POE Oil
KCM514CAL-B	Comp, Copeland, Pist, MT, 2,7HP, R404a, 4,62 kW @-5°C, 52cc, 220 VAC, POE Oil
KCM514CAL-E	Comp, Copeland, Pist, MT, 2,7HP, R404a, 4,81 kW @-5°C, 52cc, 380 VAC, POE Oil
KCM519CAL-B	Comp, Copeland, Pist, MT, 3HP, R404a, 6,18 kW @-5°C, 60cc, 220 VAC, POE Oil
KCM519CAL-E	Comp, Copeland, Pist, MT, 3HP, R404a, 6,10 kW @-5°C, 60cc, 380 VAC, POE Oil
KCM522CAL-B	Comp, Copeland, Pist, MT, 3,3HP, R404a, 7,15 kW @-5°C, 72cc, 220 VAC, POE Oil
KCM522CAL-E	Comp, Copeland, Pist, MT, 3,3HP, R404a, 7,26 kW @-5°C, 72cc, 380 VAC, POE Oil
CS10K7ME-PFZ	Comp, Copeland, Pist, MT, 1,8HP, R404a, 3,52 kW @-5°C, 41cc, 220 VAC, POE Oil *TTRO-*VO5&YS06
CS10K7ME-TFM	Comp, Copeland, Pist, MT, 1,8HP, R404a, 3,49 kW @-5°C, 41cc, 380 VAC, POE Oil *TTRO-*VO5&YS07
CS13K7ME-PFZ	Comp, Copeland, Pist, MT, 2,7HP, R404a, 4,70 kW @-5°C, 52cc, 220 VAC, POE Oil *TTRO-*VO5&YS08
CS13K7ME-TFM	Comp, Copeland, Pist, MT, 2,7HP, R404a, 4,68 kW @-5°C, 52cc, 380 VAC, POE Oil *TTRO-*VO5&YS09
CS17K7ME-PFZ	Comp, Copeland, Pist, MT, 3HP, R404a, 5,88 kW @-5°C, 60cc, 220 VAC, POE Oil *TTRO-*VO5&YS10
CS17K7ME-TFM	Comp, Copeland, Pist, MT, 3HP, R404a, 5,73 kW @-5°C, 60cc, 380 VAC, POE Oil *TTRO-*VO5&YS11
CS20K7ME-PFZ	Comp, Copeland, Pist, MT, 3,3HP, R404a, 6,76 kW @-5°C, 72cc, 220 VAC, POE Oil *TTRO-*VO5&YS12
CS20K7ME-TFM	Comp, Copeland, Pist, MT, 3,3HP, R404a, 6,75 kW @-5°C, 72cc, 380 VAC, POE Oil *TTRO-*VO5&YS13
CS24K7ME-TFM	Comp, Copeland, Pist, MT, 3,7HP, R404a, 7,40 kW @-5°C, 79cc, 380 VAC, POE Oil *TTRO-*VO5&YS14
CS25K7ME-PFZ	Comp, Copeland, Pist, MT, 3,7HP, R404a, 7,91 kW @-5°C, 83cc, 220 VAC, POE Oil *TTRO-*VO5&YS15
CS27K7ME-PFZ	Comp, Copeland, Pist, MT, 4,2HP, R404a, 8,89 kW @-5°C, 88cc, 220 VAC, POE Oil *TTRO-*VO5&YS16
CS27K7ME-TFM	Comp, Copeland, Pist, MT, 4,2HP, R404a, 8,66 kW @-5°C, 88cc, 380 VAC, POE Oil *TTRO-*VO5&YS17
CS30K7ME-TFM	Comp, Copeland, Pist, MT, 4,7HP, R404a, 9,45 kW @-5°C, 95cc, 380 VAC, POE Oil *TTRO-*VO5&YS18
CS33K7ME-TFM	Comp, Copeland, Pist, MT, 5,3HP, R404a, 10,64 kW @-5°C, 102cc, 380 VAC, POE Oil *TTRO-*VO5&YS19



Compressors: Hermetic Piston; Commercial; Danfoss

ITEM	DESCRIPTION & SPECIFICATION
L76TN-HAUYI	Comp, Danfoss, Pist, MT, 1/3HP, R22, 0,61 kW @-5°C, 7,6cc, 220 VAC, Min 46, 123B5507
L88TN-HUAYI	Comp, Danfoss, Pist, MT, 3/8HP, R22, 0,87 kW @-5°C, 8,8cc, 220 VAC, Min 46, 123B5509
PI2TN-HUAYI	Comp, Danfoss, Pist, MT, 1/2HP, R22, 1,17 kW @-5°C, 12cc, 220 VAC, Min 46, 123B5510
S22TN-HUAYI	Comp, Danfoss, Pist, MT, 7/8HP, R22, 2,09 kW @-5°C, 22cc, 220 VAC, Min 46, 123B5515
S26TN-HUAYI	Comp, Danfoss, Pist, MT, 1,25HP, R22, 2,46 kW @-5°C, 26cc, 220 VAC, Min 46, 123B5516
X16TN-HUAYI	Comp, Danfoss, Pist, MT, 5/8HP, R22, 1,58 kW @-5°C, 16cc, 220 VAC, Min 46, 123B5711
X18TN-HUAYI	Comp, Danfoss, Pist, MT, 3/4HP, R22, 1,73 kW @-5°C, 18cc, 220 VAC, Min 46, 123B5712
GL60TB-HUAYI	Comp, Danfoss, Pist, MT, 1/6HP, R134a, 0,37 kW @-5°C, 6cc, 220 VAC, POE Oil, 123B1521
GL80TG-HUAYI	Comp, Danfoss, Pist, MT, 1/5HP, R134a, 0,43 kW @-5°C, 8cc, 220 VAC, POE Oil, 123B1528
GL90TB-HUAYI	Comp, Danfoss, Pist, MT, 1/4HP, R134a, 0,51 kW @-5°C, 9cc, 220 VAC, POE Oil, 123B5533
GLY12RA-HUAYI	Comp, Danfoss, Pist, MT, 1/3HP, R134a, 0,63 kW @-5°C, 12cc, 220 VAC, POE Oil, 123B1708
GPI4TB-HUAYI	Comp, Danfoss, Pist, MT, 3/8HP, R134a, 0,78 kW @-5°C, 14cc, 220 VAC, POE Oil, 125B1525,
GPY14RAa-HUAYI	Comp, Danfoss, Pist, MT, 3/8HP, R134a, 0,89 kW @-5°C, 14cc, 220 VAC, POE Oil, 123B1540
GX23TB-HAUYYI	Comp, Danfoss, Pist, MT, 5/8HP, R134a, 1,31 kW @-5°C, 23cc, 220 VAC, POE Oil, 123B1547
GS30TB-HUAYI	Comp, Danfoss, Pist, MT, 7/8HP, R134a, 1,67 kW @-5°C, 30cc, 220 VAC, POE Oil, 123B1552
GS30TB-V-DANB	Comp, Danfoss, Pist, MT, 1HP, R134a, 1,67 kW @-5°C, 30cc, 220 VAC, POE Oil, 123B1631, Rotolock
MS22TB-V-DANB	Comp, Danfoss, Pist, MT, 7/8HP, R404a/R507a, 2,09 kW @-5°C, 22cc, 220 VAC, POE Oil, 123B2560, Rotolock
MS26TB-V-DANB	Comp, Danfoss, Pist, MT, 1,25HP, R404a/R507a, 2,46 kW @-5°C, 26cc, 220 VAC, POE Oil, 123B2562, Rotolock
MS34TB-V-DANB	Comp, Danfoss, Pist, MT, 1.5HP, R404a/R507a, 3,62 kW @-5°C, 34cc, 220 VAC, POE Oil, 123B2719, Rotolock
MX18TBa-DANB	Comp, Danfoss, Pist, MT, 3/4HP, R404a/R507a, 1,73 kW @-5°C, 18cc, 220 VAC, POE Oil, 123B2707
MS26FB-HAUYYI	Comp, Danfoss, Pist, LT, 3/4HP, R404a/R507a, 1,22 kW @-25°C, 26cc, 220 VAC, POE Oil, 123B2134
MX23FBa-HAUYYI	Comp, Danfoss, Pist, LT, 5/8HP, R404a/R507a, 0,95 kW @-25°C, 23cc, 220 VAC, POE Oil, 123B2132
MLY12LA-HUAYI	Comp, Danfoss, Pist, LT, 1/3HP, R404a/R507a, 0,56 kW @-5°C, 12cc, 220 VAC, POE Oil, 123B2119
MPT14LA-HUAYI	Comp, Danfoss, Pist, LT, 3/8HP, R404a/R507a, 0,77 kW @-25°C, 14cc, 220 VAC, POE Oil, 123B2125
MPT18LA-HUAYI	Comp, Danfoss, Pist, LT, 1/2HP, R404a/R507a, 0,82 kW @-25°C, 18cc, 220 VAC, POE Oil, 123B2128
MS34FB-HUAYI	Comp, Danfoss, Pist, LT, 1HP, R404a/R507a, 1,62 kW @-25°C, 34cc, 220 VAC, POE Oil, 123B2139
MS26FB-V-DANB	Comp, Danfoss, Pist, LT, 3/4HP, R404a/R507a, 1,22 kW @-25°C, 26cc, 220 VAC, POE Oil, 123B2204, Rotolock
MS34FB-V-DANB	Comp, Danfoss, Pist, LT, 1HP, R404a/R507a, 1,62 kW @-25°C, 34cc, 220 VAC, POE Oil, 123B2209, Rotolock



Compressors: Hermetic Piston; Commercial; Kulthorn

ITEM	DESCRIPTION & SPECIFICATION
MCMA9422E	Comp, Kulthorn, Pist, MT, 1/3HP, R22, 0,6 kW @-5°C, 7,57cc, 220 VAC, Min Oil
MCMA7422E	Comp, Kulthorn, Pist, MT, 1/3HP, R22, 0,66 kW @-5°C, 7,55cc, 220 VAC, Min Oil
MCMA7426E	Comp, Kulthorn, Pist, MT, 3/8HP, R22, 0,72 kW @-5°C, 8,9cc, 220 VAC, Min Oil
MCMA4448E	Comp, Kulthorn, Pist, MT, 3/8HP, R22, 0,85 kW @-5°C, 8,8cc, 220 VAC, Min Oil
MCMA7435E	Comp, Kulthorn, Pist, MT, 1/2HP, R22, 1,12 kW @-5°C, 12cc, 220 VAC, Min Oil
MCMA4474E	Comp, Kulthorn, Pist, MT, 1/2HP, R22, 1,15 kW @-5°C, 14cc, 220 VAC, Min Oil
MCMA7440E	Comp, Kulthorn, Pist, MT, 1/2HP, R22, 1,19 kW @-5°C, 14cc, 220 VAC, Min Oil
MCMA7445E	Comp, Kulthorn, Pist, MT, 5/8HP, R22, 1,32 kW @-5°C, 16,1cc, 220 VAC, Min Oil
MCMW9460E	Comp, Kulthorn, Pist, MT, 3/4HP, R22, 1,86 kW @-5°C, 19,8cc, 220 VAC, Min Oil
MCMW9470E	Comp, Kulthorn, Pist, MT, 7/8HP, R22, 2,05 kW @-5°C, 21,5cc, 220 VAC, Min Oil
MCHW5510E	Comp, Kulthorn, Pist, MT/HT, 3/4HP, R22, 2,2 kW @-5°C, 19,8cc, 220 VAC, Min Oil, 8300BTU @+7,2°C

Compressors: Hermetic Piston; Commercial; Kulthorn continued

ITEM	DESCRIPTION & SPECIFICATION
MCHW5513E	Comp, Kulthorn, Pist, MT/HT, 7/8HP, R22, 2,24 kW @-5°C, 21,5cc, 220 VAC, Min Oil, 10833BTU @+7,2°C
MCHW5515E	Comp, Kulthorn, Pist, MT/HT, 1HP, R22, 2,31 kW @-5°C, 24,2cc, 220 VAC, Min Oil, 12500BTU @+7,2°C
MCMW9485E	Comp, Kulthorn, Pist, MT, 1,25HP, R22, 2,54 kW @-5°C, 26cc, 220 VAC, Min Oil
MCWJ9510E	Comp, Kulthorn, Pist, MT, 1,3HP, R22, 2,81 kW @-5°C, 30,5cc, 220 VAC, Min Oil
MCHW5518E	Comp, Kulthorn, Pist, MT/HT, 1,5HP, R22, 3,04 kW @-5°C, 31cc, 220 VAC, Min Oil, 15000BTU @+7,2°C
MCMW4519E	Comp, Kulthorn, Pist, MT, 1,5HP, R22, 3,16 kW @-5°C, 35,6cc, 220 VAC, Min Oil
MCHW5519E	Comp, Kulthorn, Pist, MT/HT, 1,75HP, R22, 3,29 kW @-5°C, 35,6cc, 220 VAC, Min Oil, 15833BTU @+7,2°C
MCMW4520E	Comp, Kulthorn, Pist, MT, 1,5HP, R22, 3,32 kW @-5°C, 37,5cc, 220 VAC, Min Oil
MCMW4522E	Comp, Kulthorn, Pist, MT, 2HP, R22, 3,78 kW @-5°C, 39,6cc, 220 VAC, Min Oil
MCHW5524E	Comp, Kulthorn, Pist, MT/HT, 2HP, R22, 3,8 kW @-5°C, 43,1cc, 220 VAC, Min Oil, 20000BTU @+7,2°C
MCMW4528E	Comp, Kulthorn, Pist, MT, 2,5HP, R22, 4,65 kW @-5°C, 48,4cc, 220 VAC, Min Oil
MCHW5530E	Comp, Kulthorn, Pist, MT/HT, 2,5HP, R22, 5,2 kW @-5°C, 50,6cc, 220 VAC, Min Oil, 25000BTU @+7,2°C
MCHW5532E	Comp, Kulthorn, Pist, MT/HT, 2,5HP, R22, 5,3 kW @-5°C, 53,5cc, 220 VAC, Min Oil, 26667BTU @+7,2°C
MCMW4532E	Comp, Kulthorn, Pist, MT, 2,5HP, R22, 5,31 kW @-5°C, 53,5cc, 220 VAC, Min Oil
MCHW5535E	Comp, Kulthorn, Pist, MT/HT, 3HP, R22, 5,7 kW @-5°C, 59cc, 220 VAC, Min Oil, 29167BTU @+7,2°C
MCKA5538EXG	Comp, Kulthorn, Pist, MT/HT, 3,2HP, R22, 5,98 kW @-5°C, 65cc, 380 VAC, Min Oil, 31667BTU @+7,2°C
MCKA5542EXG	Comp, Kulthorn, Pist, MT/HT, 3,5HP, R22, 6,53 kW @-5°C, 70cc, 380 VAC, Min Oil, 35000BTU @+7,2°C
MCKA5550EXG	Comp, Kulthorn, Pist, MT/HT, 4,2HP, R22, 7,8 kW @-5°C, 80cc, 380 VAC, Min Oil, 41667BTU @+7,2°C
MCKA5555EXG	Comp, Kulthorn, Pist, MT/HT, 4,6HP, R22, 9,7 kW @-5°C, 90cc, 380 VAC, Min Oil, 45833BTU @+7,2°C
MCKA5560EXG	Comp, Kulthorn, Pist, MT/HT, 5HP, R22, 10,34 kW @-5°C, 100cc, 380 VAC, Min Oil, 50000BTU @+7,2°C
MCKA5570EXG	Comp, Kulthorn, Pist, MT/HT, 5,8HP, R22, 11 kW @-5°C, 115cc, 380 VAC, Min Oil, 58333BTU @+7,2°C
MCLA5590EXG	Comp, Kulthorn, Pist, HT/MT, 7,5HP, R22, 14,66 kW @-5°C, 174cc, 380 VAC, Min Oil, 75000BTU, @+7,2°C
MCLA5610EXG	Comp, Kulthorn, Pist, HT/MT, 8,3HP, R22, 18,32 kW @-5°C, 197cc, 380 VAC, Min Oil, 83334BTU, @+7,2°C
MCLA5612EXG	Comp, Kulthorn, Pist, HT/MT, 10HP, R22, 19,93 kW @-5°C, 211cc, 380 VAC, Min Oil, 100000BTU, @+7,2°C
MCMA4425Y	Comp, Kulthorn, Pist, MT, 1/5HP, R134A, 0,46 kW @-5°C, 7,55cc, 220 VAC, POE Oil
MCMW9460Y	Comp, Kulthorn, Pist, MT, 1HP, R134A, 1,86 kW @-5°C, 30,5cc, 220 VAC, POE Oil
MCMA4430Y	Comp, Kulthorn, Pist, MT, 1/4HP, R134A, 0,56 kW @-5°C, 8,86cc, 220 VAC, POE Oil
MCMA4440Y	Comp, Kulthorn, Pist, MT, 1/3HP, R134A, 0,68 kW @-5°C, 12,1cc, 220 VAC, POE Oil
MCMA4448Y	Comp, Kulthorn, Pist, MT, 3/8HP, R134A, 0,84 kW @-5°C, 14cc, 220 VAC, POE Oil
MCMW9430Y	Comp, Kulthorn, Pist, MT, 1/2HP, R134A, 1,07 kW @-5°C, 19,8cc, 220 VAC, POE Oil
MCMW9445Y	Comp, Kulthorn, Pist, MT, 3/4HP, R134A, 1,39 kW @-5°C, 24,2cc, 220 VAC, POE Oil
MCCA7475Z	Comp, Kulthorn, Pist, MT, 7/8HP, R404a/R507a, 1,85 kW @-5°C, 22,3cc, 220 VAC, POE Oil
MCMW9470Z	Comp, Kulthorn, Pist, MT, 7/8HP, R404a, 1,95 kW @-5°C, 21,5cc, 220 VAC, POE Oil
MCMW9485Z	Comp, Kulthorn, Pist, MT, 1HP, R404a, 2,32 kW @-5°C, 24cc, 220 VAC, POE Oil
MCWJ9490Z	Comp, Kulthorn, Pist, MT, 1,25HP, R404A, 2,35 kW @-5°C, 26cc, 220 VAC, POE Oil
MCMW9490Z	Comp, Kulthorn, Pist, MT, 1,25HP, R404a, 2,54 kW @-5°C, 26cc, 220 VAC, POE Oil
MCMW9513Z	Comp, Kulthorn, Pist, MT, 1,5HP, R404a, 3,4 kW @-5°C, 34,5cc, 220 VAC, POE Oil
MCMW7514Z	Comp, Kulthorn, Pist, MT, 1,75HP, R404a, 3,95 kW @-5°C, 43cc, 220 VAC, POE Oil
MCMW9516Z	Comp, Kulthorn, Pist, MT, 2,5HP, R404a, 5,3 kW @-5°C, 53,5cc, 220 VAC, POE Oil
MCKA9522ZXG	Comp, Kulthorn, Pist, MT, 3,2HP, R404a/R507a, 7,11 kW @-5°C, 65cc, 380 VAC, POE Oil
MCKA9524ZXG	Comp, Kulthorn, Pist, MT, 3,5HP, R404a/R507a, 7,52 kW @-5°C, 70cc, 380 VAC, POE Oil
MCKA9528ZXG	Comp, Kulthorn, Pist, MT, 4,2HP, R404a/R507a, 8,72 kW @-5°C, 80cc, 380 VAC, POE Oil
MCKA9531ZXG	Comp, Kulthorn, Pist, MT, 4,6HP, R404a/R507a, 9,99 kW @-5°C, 90cc, 380 VAC, POE Oil
MCKA9535ZXG	Comp, Kulthorn, Pist, MT, 5HP, R404a/R507a, 11,15 kW @-5°C, 100cc, 380 VAC, POE Oil
MCKA9540ZXG	Comp, Kulthorn, Pist, MT, 5,8HP, R404a/R507a, 12,65 kW @-5°C, 115cc, 380 VAC, POE Oil
MCLA2420Z	Comp, Kulthorn, Pist, LT, 1/3HP, R404a/R507a, 0,49 kW @-25°C, 12cc, 220 VAC, POE Oil
MCLA2428Z	Comp, Kulthorn, Pist, LT, 3/8HP, R404a/R507a, 0,72 kW @-25°C, 16,07cc, 220 VAC, POE Oil
MCLA2440Z	Comp, Kulthorn, Pist, LT, 3/4HP, R404a/R507a, 1,15 kW @-25°C, 24,2cc, 220 VAC, POE Oil
MCLA2450Z	Comp, Kulthorn, Pist, LT, 3/4HP, R404a/R507a, 1,24 kW @-25°C, 26,8cc, 220 VAC, POE Oil
MCLW2450Z	Comp, Kulthorn, Pist, LT, 1,25HP, R404a/R507a, 1,32 kW @-25°C, 37,5cc, 220 VAC, POE Oil
MCLW2462Z	Comp, Kulthorn, Pist, LT, 1,25HP, R404a/R507a, 1,59 kW @-25°C, 39,6cc, 220 VAC, POE Oil
MCLW2464Z	Comp, Kulthorn, Pist, LT, 1,5HP, R404a/R507a, 1,66 kW @-25°C, 43,1cc, 220 VAC, POE Oil
MCLW2495 Z	Comp, Kulthorn, Pist, LT, 2HP, R404a/R507a, 2,41 kW @-25°C, 53,5cc, 220 VAC, POE Oil
MCLW2495Z-9	Comp, Kulthorn, Pist, LT, 2HP, R404a/R507a, 2,41 kW @-25°C, 53,5cc, 380 VAC, POE Oil
MCLW2510Z	Comp, Kulthorn, Pist, LT, 2,25HP, R404a/R507a, 2,7 kW @-25°C, 59cc, 220 VAC, POE Oil
MCLW2510Z-9	Comp, Kulthorn, Pist, LT, 2,25HP, R404a/R507a, 2,7 kW @-25°C, 59cc, 380 VAC, POE Oil
MCLW2510ZXT	Comp, Kulthorn, Pist, LT, 2,5HP, R404a/R507a, 3,1 kW @-25°C, 71, 220-3PH VAC, POE Oil



Compressors: Hermetic Piston; Commercial; Maneurop

ITEM	DESCRIPTION & SPECIFICATION
MAN-MTZ018-5VI	Comp, ManEurop, Pist, MT/HT, 1.5HP, R404a/R507a, 2,52 kW @-5°C, 30cc, 220 VAC, POE Oil
MAN-MTZ022-5VI	Comp, ManEurop, Pist, MT/HT, 1,8HP, R404a/R507a, 3,44 kW @-5°C, 38cc, 220 VAC, POE Oil
MAN-MTZ028-4VI	Comp, ManEurop, Pist, MT/HT, 2.3HP, R404a/R507a, 4,45 kW @-5°C, 48cc, 380 VAC, POE Oil
MAN-MTZ028-5VI	Comp, ManEurop, Pist, MT/HT, 2.3HP, R404a/R507a, 4,45 kW @-5°C, 48cc, 220 VAC, POE Oil
MAN-MTZ032-4VI	Comp, ManEurop, Pist, MT/HT, 2.7HP, R404a/R507a, 5,11 kW @-5°C, 54cc, 380 VAC, POE Oil
MAN-MTZ032-5VI	Comp, ManEurop, Pist, MT/HT, 2.7HP, R404a/R507a, 5,11 kW @-5°C, 54cc, 220 VAC, POE Oil
MAN-MTZ036-4VI	Comp, ManEurop, Pist, MT/HT, 3HP, R404a/R507a, 5,93 kW @-5°C, 60cc, 380 VAC, POE Oil
MAN-MTZ036-5VI	Comp, ManEurop, Pist, MT/HT, 3HP, R404a/R507a, 5,93 kW @-5°C, 60cc, 220 VAC, POE Oil
MAN-MTZ040-4VI	Comp, ManEurop, Pist, MT/HT, 3.3HP, R404a/R507a, 6,7 kW @-5°C, 68cc, 380 VAC, POE Oil
MAN-MTZ044-4VI	Comp, ManEurop, Pist, MT/HT, 3.7HP, R404a/R507a, 6,91 kW @-5°C, 76cc, 380 VAC, POE Oil
MAN-MTZ050-4VI	Comp, ManEurop, Pist, MT/HT, 4.2HP, R404a/R507a, 8,07 kW @-5°C, 86cc, 380 VAC, POE Oil
MAN-MTZ056-4VI	Comp, ManEurop, Pist, MT/HT, 4.7HP, R404a/R507a, 8,69 kW @-5°C, 96cc, 380 VAC, POE Oil
MAN-MTZ064-4VI	Comp, ManEurop, Pist, MT/HT, 5.3HP, R404a/R507a, 10,3 kW @-5°C, 108cc, 380 VAC, POE Oil
MAN-MTZ072-4VI	Comp, ManEurop, Pist, MT/HT, 6HP, R404a/R507a, 11,45 kW @-5°C, 121cc, 380 VAC, POE Oil
MAN-MTZ080-4VI	Comp, ManEurop, Pist, MT/HT, 6.7HP, R404a/R507a, 13,23 kW @-5°C, 136cc, 380 VAC, POE Oil
MAN-MTZ100-4VI	Comp, ManEurop, Pist, MT/HT, 8.3HP, R404a/R507a, 15,7 kW @-5°C, 171cc, 380 VAC, POE Oil
MAN-MTZ125	Comp, ManEurop, Pist, MT/HT, 10.4HP, R404a/R507a, 20,08 kW @-5°C, 215cc, 380 VAC, POE Oil
MAN-MTZ144-4VI	Comp, ManEurop, Pist, MT/HT, 12HP, R404a/R507a, 23,38 kW @-5°C, 242cc, 380 VAC, POE Oil
MAN-MTZ160-4VI	Comp, ManEurop, Pist, MT/HT, 13.3HP, R404a/R507a, 25,64 kW @-5°C, 272cc, 380 VAC, POE Oil
MAN-NTZ048	Comp, ManEurop, Pist, LT, 1.8HP, R404a/R507a, 1,7 kW @-25°C, 48cc, 380 VAC, POE/175PZ Oil
MAN-NTZ048-5VI	Comp, ManEurop, Pist, LT, 1.8HP, R404a/R507a, 1,7 kW @-25°C, 48cc, 220 VAC, POE/175PZ Oil
MAN-NTZ068	Comp, ManEurop, Pist, LT, 2.3HP, R404a/R507a, 2,62 kW @-25°C, 68cc, 380 VAC, POE/175PZ Oil
MAN-NTZ068-5VI	Comp, ManEurop, Pist, LT, 2.3HP, R404a/R507a, 2,62 kW @-25°C, 68cc, 220 VAC, POE/175PZ Oil
MAN-NTZ096	Comp, ManEurop, Pist, LT, 2.3HP, R404a/R507a, 3,17 kW @-25°C, 96cc, 380 VAC, POE/175PZ Oil
MAN-NTZ108	Comp, ManEurop, Pist, LT, 3.8HP, R404a/R507a, 3,84 kW @-25°C, 108cc, 380 VAC, POE/175PZ Oil
MAN-NTZ136	Comp, ManEurop, Pist, LT, 4.2HP, R404a/R507a, 4,89 kW @-25°C, 136cc, 380 VAC, POE/175PZ Oil
MAN-NTZ215	Comp, ManEurop, Pist, LT, 7.3HP, R404a/R507a, 7,55 kW @-25°C, 215cc, 380 VAC, POE/175PZ Oil
MAN-NTZ271	Comp, ManEurop, Pist, LT, 8.3HP, R404a/R507a, 10,4 kW @-25°C, 272cc, 380 VAC, POE/175PZ Oil



Compressors: Semi-Hermetic Piston; Dorin

ITEM	DESCRIPTION & SPECIFICATION
TTDR-SH-H40CC	Comp, Dorin, SH-Pist, 0,4HP, R404a/R507a, 1,5 kW @-5°C, 2,9m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H75CC	Comp, Dorin, SH-Pist, 0,7HP, R404a/R507a, 2,1 kW @-5°C, 3,86m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H101CC	Comp, Dorin, SH-Pist, 1HP, R404a/R507a, 3,2 kW @-5°C, 5,37m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H101CS	Comp, Dorin, SH-Pist, 1HP, R404a/R507a, 1,51 kW @-25°C, 6,71m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H151CC	Comp, Dorin, SH-Pist, 1,5HP, R404a/R507a, 3,8 kW @-5°C, 6,71m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H180CC	Comp, Dorin, SH-Pist, 1,8HP, R404a/R507a, 4,4 kW @-5°C, 7,71m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H181CC-220V	Comp, Dorin, SH-Pist, 1,8HP, R404a/R507a, 4,4 kW @-5°C, 7,5m ³ /h, 220 VAC, POE32 Oil

Compressors: Semi Hermetic Piston continued

ITEM	DESCRIPTION & SPECIFICATION
TTDR-SH-H201CC	Comp, Dorin, SH-Pist, 2HP, R404a/R507a, 4.8 kW @-5°C, 9.16m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H221CC	Comp, Dorin, SH-Pist, 2,2HP, R404a/R507a, 5.7 kW @-5°C, 10.61m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H250CS	Comp, Dorin, SH-Pist, 2,5HP, R404a/R507a, 2.51 kW @-25°C, 12.17m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H251CC	Comp, Dorin, SH-Pist, 2,5HP, R404a/R507a, 6.06 kW @-5°C, 10.61m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H280CC	Comp, Dorin, SH-Pist, 2,8HP, R404a/R507a, 7 kW @-5°C, 12.17m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H290CS	Comp, Dorin, SH-Pist, 2,9HP, R404a/R507a, 3 kW @-25°C, 14.74m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H300CC	Comp, Dorin, SH-Pist, 3HP, R404a/R507a, 8.1 kW @-5°C, 14.74m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H350CC	Comp, Dorin, SH-Pist, 3,5HP, R404a/R507a, 8.9 kW @-5°C, 15.94m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H350SB	Comp, Dorin, SH-Pist, 3,5HP, R404a/R507a, 4.46 kW @-25°C, 17.53m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H380CC	Comp, Dorin, SH-Pist, 3,8HP, R404a/R507a, 9.7 kW @-5°C, 17.53m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H380SB	Comp, Dorin, SH-Pist, 3,8HP, R404a/R507a, 5.06 kW @-25°C, 19.53m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H390CS	Comp, Dorin, SH-Pist, 3,9HP, R404a/R507a, 5.09 kW @-25°C, 19.53m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H403CC	Comp, Dorin, SH-Pist, 4HP, R404a/R507a, 10.8 kW @-5°C, 19.98m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H405CC	Comp, Dorin, SH-Pist, 4HP, R404a/R507a, 11.3 kW @-5°C, 19.29m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H503CC	Comp, Dorin, SH-Pist, 5HP, R404a/R507a, 12.7 kW @-5°C, 22.83m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H505CC	Comp, Dorin, SH-Pist, 5HP, R404a/R507a, 13.55 kW @-5°C, 23.13m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H505CS	Comp, Dorin, SH-Pist, 5HP, R404a/R507a, 5.85 kW @-25°C, 27.33m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H550CS	Comp, Dorin, SH-Pist, 5,5HP, R404a/R507a, 6.8 kW @-25°C, 27.33m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H551CC	Comp, Dorin, SH-Pist, 5,5HP, R404a/R507a, 13.6 kW @-5°C, 23.13m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H551CS	Comp, Dorin, SH-Pist, 5,5HP, R404a/R507a, 6.8 kW @-25°C, 27.33m ³ /h, 380 VAC, POE46 Oil
TTDR-SH-H701CC	Comp, Dorin, SH-Pist, 7HP, R404a/R507a, 16.1 kW @-5°C, 27.33m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H701CS	Comp, Dorin, SH-Pist, 1HP, R404a/R507a, 8.1 kW @-25°C, 31.88m ³ /h, 380 VAC, POE46 Oil
TTDR-SH-H705CC	Comp, Dorin, SH-Pist, 1HP, R404a/R507a, 15.99 kW @-5°C, 27.33m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H705CS	Comp, Dorin, SH-Pist, 1HP, R404a/R507a, 6.93 kW @-25°C, 31.88m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H743CC	Comp, Dorin, SH-Pist, 7,4HP, R404a/R507a, 15.4 kW @-5°C, 26.44m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H751CC	Comp, Dorin, SH-Pist, 7,5HP, R404a/R507a, 19 kW @-5°C, 31.88m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H751CS	Comp, Dorin, SH-Pist, 7,5HP, R404a/R507a, 8.09 kW @-25°C, 31.88m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H755CC	Comp, Dorin, SH-Pist, 7,5HP, R404a/R507a, 18.51 kW @-5°C, 31.88m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H801CC	Comp, Dorin, SH-Pist, 8HP, R404a/R507a, 23.3 kW @-5°C, 38.06m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H851CS	Comp, Dorin, SH-Pist, 8,5HP, R404a/R507a, 11.4 kW @-25°C, 42.81m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H1001CS	Comp, Dorin, SH-Pist, 10HP, R404a/R507a, 12.92 kW @-25°C, 48.82m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H1002CC	Comp, Dorin, SH-Pist, 10HP, R404a/R507a, 22.57 kW @-5°C, 38.06m ³ /h, 380 VAC, POE46 Oil
TTDR-SH-H1003CC	Comp, Dorin, SH-Pist, 10HP, R404a/R507a, 24.44 kW @-5°C, 43.73m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H1201CC	Comp, Dorin, SH-Pist, 12HP, R404a/R507a, 6.65 kW @-5°C, 42.81m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H1501CC	Comp, Dorin, SH-Pist, 15HP, R404a/R507a, 30.33 kW @-5°C, 48.82m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H1501CS	Comp, Dorin, SH-Pist, 15HP, R404a/R507a, 15.06 kW @-25°C, 56.87m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H1601CS	Comp, Dorin, SH-Pist, 16HP, R404a/R507a, 17 kW @-25°C, 63.76m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H2000CS	Comp, Dorin, SH-Pist, 20HP, R404a/R507a, 20 kW @-25°C, 75.83m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H2001CC	Comp, Dorin, SH-Pist, 20HP, R404a/R507a, 35.87 kW @-5°C, 56.87m ³ /h, 380 VAC, POE46 Oil
TTDR-SH-H2201CC	Comp, Dorin, SH-Pist, 22HP, R404a/R507a, 37.45 kW @-5°C, 63.76m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H2400CC	Comp, Dorin, SH-Pist, 24HP, R404a/R507a, 43.6 kW @-5°C, 70.5m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H2500CC	Comp, Dorin, SH-Pist, 25HP, R404a/R507a, 45.64 kW @-5°C, 75.83m ³ /h, 380 VAC, POE46 Oil
TTDR-SH-H2500CS	Comp, Dorin, SH-Pist, 25HP, R404a/R507a, 6.2 kW @-25°C, 85.01m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H2700CS	Comp, Dorin, SH-Pist, 27HP, R404a/R507a, 23.2 kW @-25°C, 92.25m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H2900CS	Comp, Dorin, SH-Pist, 29HP, R404a/R507a, 25.6 kW @-25°C, 102.35m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H3000CC	Comp, Dorin, SH-Pist, 30HP, R404a/R507a, 51.17 kW @-5°C, 85.01m ³ /h, 380 VAC, POE46 Oil
TTDR-SH-H3000CS	Comp, Dorin, SH-Pist, 30HP, R404a/R507a, 24.42 kW @-25°C, 113.74m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H3200CC	Comp, Dorin, SH-Pist, 32HP, R404a/R507a, 51.05 kW @-5°C, 92.25m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H3400CC	Comp, Dorin, SH-Pist, 34HP, R404a/R507a, 56.55 kW @-5°C, 102.35m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H3500CC	Comp, Dorin, SH-Pist, 35HP, R404a/R507a, 66.16 kW @-5°C, 113.74m ³ /h, 380 VAC, POE46 Oil
TTDR-SH-H3500CS	Comp, Dorin, SH-Pist, 35HP, R404a/R507a, 32.87 kW @-25°C, 127.52m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H4000CC	Comp, Dorin, SH-Pist, 40HP, R404a/R507a, 77.6 kW @-5°C, 127.52m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H4000CS	Comp, Dorin, SH-Pist, 40HP, R404a/R507a, 33.6 kW @-25°C, 138.37m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H4500CC	Comp, Dorin, SH-Pist, 45HP, R404a/R507a, 80.5 kW @-5°C, 138.37m ³ /h, 380 VAC, POE46 Oil
TTDR-SH-H4500CS	Comp, Dorin, SH-Pist, 45HP, R404a/R507a, 37.3 kW @-25°C, 153.52m ³ /h, 380 VAC, POE32 Oil
TTDR-SH-H5000CC	Comp, Dorin, SH-Pist, 50HP, R404a/R507a, 92.58 kW @-5°C, 153.52m ³ /h, 380 VAC, POE32 Oil



Compressors: Hermetic Scroll; Copeland

ITEM	DESCRIPTION & SPECIFICATION
ZB15KQE-TFD-559	Comp, Copeland, Scroll, MT, 2HP, R404a/R507a, 4,1 kW @-5°C, 33,9cc, 380 VAC, POE Oil *ADD CCH*
ZB19KQE-TFD-559	Comp, Copeland, Scroll, MT, 2,5HP, R404a/R507a, 5,1 kW @-5°C, 39,1cc, 380 VAC, POE Oil *ADD CCH*
ZB21KQE-TFD-559	Comp, Copeland, Scroll, MT, 3HP, R404a/R507a, 6,2 kW @-5°C, 49,4cc, 380 VAC, POE Oil *ADD CCH*
ZB26KQE-TFD-559	Comp, Copeland, Scroll, MT, 3,5HP, R404a/R507a, 7,2 kW @-5°C, 56,9cc, 380 VAC, POE Oil *ADD CCH*
ZB29KQE-TFD-559	Comp, Copeland, Scroll, MT, 4HP, R404a/R507a, 8,4 kW @-5°C, 65,5cc, 380 VAC, POE Oil *ADD CCH*
ZB38KQE-TFD-559	Comp, Copeland, Scroll, MT, 5HP, R404a/R507a, 10,6 kW @-5°C, 82,3cc, 380 VAC, POE Oil *ADD CCH*
ZB45KQE-TFD-559	Comp, Copeland, Scroll, MT, 6HP, R404a/R507a, 12,4 kW @-5°C, 98,3cc, 380 VAC, POE Oil *ADD CCH*
ZB48KQE-TFD-559	Comp, Copeland, Scroll, MT, 7HP, R404a/R507a, 13,6 kW @-5°C, 108cc, 380 VAC, POE Oil *ADD CCH*
ZB58KQE-TFD-551	Comp, Copeland, Scroll, MT, 8HP, R404a/R507a, 16,4 kW @-5°C, 126,4cc, 380 VAC, POE Oil *ADD CCH*
ZB66KQE-TFD-551	Comp, Copeland, Scroll, MT, 9HP, R404a/R507a, 18,3 kW @-5°C, 147,7cc, 380 VAC, POE Oil *ADD CCH*
ZB76KQE-TFD-551	Comp, Copeland, Scroll, MT, 10HP, R404a/R507a, 21,8 kW @-5°C, 165,5cc, 380 VAC, POE Oil *ADD CCH*
ZB95KQE-TFD-551	Comp, Copeland, Scroll, MT, 13HP, R404a/R507a, 26,8 kW @-5°C, 209,2cc, 380 VAC, POE Oil *ADD CCH*
ZB114KQE-TFD-551	Comp, Copeland, Scroll, MT, 15HP, R404a/R507a, 31,9 kW @-5°C, 248,8cc, 380 VAC, POE Oil *ADD CCH*
ZF09KQE-TFD-551	Comp, Copeland, Scroll, LT, 3HP, R404a/R507a, 2,6 kW @-25°C, 46cc, 380 VAC, POE Oil *ADD CCH,DTC,TTEL*
ZF11KQE-TFD-551	Comp, Copeland, Scroll, LT, 3,5HP, R404a/R507a, 3,2 kW @-25°C, 57,5cc, 380 VAC, POE Oil *ADD CCH,DTC,TTEL*
ZF13KQE-TFD-551	Comp, Copeland, Scroll, LT, 4HP, R404a/R507a, 3,7 kW @-25°C, 67,2cc, 380 VAC, POE Oil *ADD CCH,DTC,TTEL*
ZF15KQE-TFD-551	Comp, Copeland, Scroll, LT, 5HP, R404a/R507a, 4,5 kW @-25°C, 82,8cc, 380 VAC, POE Oil *ADD CCH,DTC,TTEL*
ZF18KQE-TFD-551	Comp, Copeland, Scroll, LT, 6HP, R404a/R507a, 5,5 kW @-25°C, 98,3cc, 380 VAC, POE Oil *ADD CCH,DTC,TTEL*
ZF25KQE-TFD-551	Comp, Copeland, Scroll, LT, 7,5HP, R404a/R507a, 6,9 kW @-25°C, 123cc, 380 VAC, POE Oil *ADD CCH,DTC,TTEL*
ZF34KQE-TFD-567	Comp, Copeland, Scroll, LT, 10HP, R404a/R507a, 9,05 kW @-25°C, 167,2cc, 380 VAC, POE Oil *ADD CCH,DTC,TTEL*
ZF41KQE-TFD-567	Comp, Copeland, Scroll, LT, 13HP, R404a/R507a, 11,2 kW @-25°C, 202,9cc, 380 VAC, POE Oil *ADD CCH,DTC,TTEL*
ZF49KQE-TFD-567	Comp, Copeland, Scroll, LT, 15HP, R404a/R507a, 13,5 kW @-25°C, 243,7cc, 380 VAC, POE Oil *ADD CCH,DTC,TTEL*
ZP32K3E-TFD-593	Comp, Copeland, Scroll, HT, 2,7HP, R410A, 26700 BTU @+7,2°C, 30,7cc, 380 VAC, POE Oil
ZP42KSE-PFZ-522	Comp, Copeland, Scroll, HT, 3,5HP, R410A, 35000 BTU @+7,2°C, 39,8cc, 380 VAC, POE Oil
ZP42KSE-TFM-522	Comp, Copeland, Scroll, HT, 3,5HP, R410A, 35000 BTU @+7,2°C, 39,8cc, 380 VAC, POE Oil
ZP57K3E-TFD-522	Comp, Copeland, Scroll, HT, 4,8HP, R410A, 47500 BTU @+7,2°C, 53,5cc, 380 VAC, POE Oil
ZP61KCE-TFD-522	Comp, Copeland, Scroll, HT, 5,1HP, R410A, 50800 BTU @+7,2°C, 57,2cc, 380 VAC, POE Oil
ZP72KCE-TFD-522	Comp, Copeland, Scroll, HT, 6HP, R410A, 60000 BTU @+7,2°C, 67,1cc, 380 VAC, POE Oil
ZP83KCE-TFD-522	Comp, Copeland, Scroll, HT, 6,9HP, R410A, 69200 BTU @+7,2°C, 77,2cc, 380 VAC, POE Oil
ZP90KCE-TFD-425	Comp, Copeland, Scroll, HT, 7,5HP, R410A, 75000 BTU @+7,2°C, 84,2cc, 380 VAC, POE Oil -Tandem Ready
ZP103KCE-TFD-425	Comp, Copeland, Scroll, HT, 8,6HP, R410A, 85800 BTU @+7,2°C, 96,4cc, 380 VAC, POE Oil -Tandem Ready
ZP120KCE-TFD-425	Comp, Copeland, Scroll, HT, 10HP, R410A, 100000 BTU @+7,2°C, 113,6cc, 380 VAC, POE Oil -Tandem Ready
ZP137KCE-TFD-425	Comp, Copeland, Scroll, HT, 11,4HP, R410A, 114200 BTU @+7,2°C, 127,2cc, 380 VAC, POE Oil -Tandem Ready
ZP154KCE-TFD-425	Comp, Copeland, Scroll, HT, 12,8HP, R410A, 128300 BTU @+7,2°C, 142,9cc, 380 VAC, POE Oil -Tandem Ready
ZP182KCE-TFD-425	Comp, Copeland, Scroll, HT, 15,2HP, R410A, 151700 BTU @+7,2°C, 167,2cc, 380 VAC, POE Oil -Tandem Ready
ZR34K3E-TFD-522	Comp, Copeland, Scroll, HT, 2,8HP, R22/R407, 26700 BTU @+7,2°C, 46,2cc, 380 VAC, POE Oil
ZR42K3E-PFJ-522	Comp, Copeland, Scroll, HT, 3,5HP, R22/R407, 35000 BTU @+7,2°C, 57,2cc, 380 VAC, POE Oil
ZR42K3E-TFD-522	Comp, Copeland, Scroll, HT, 3,5HP, R22/R407, 35000 BTU @+7,2°C, 57,2cc, 380 VAC, POE Oil
ZR48K3E-TFD-522	Comp, Copeland, Scroll, HT, 4HP, R22/R407, 40000 BTU @+7,2°C, 65,5cc, 380 VAC, POE Oil
ZR57KCE-TFD-522	Comp, Copeland, Scroll, HT, 4,8HP, R22/R407, 47500 BTU @+7,2°C, 77,2cc, 380 VAC, POE Oil
ZR61KCE-TFD-522	Comp, Copeland, Scroll, HT, 5,1HP, R22/R407, 50800 BTU @+7,2°C, 82,6cc, 380 VAC, POE Oil
ZR68KCE-TFD-522	Comp, Copeland, Scroll, HT, 5,7HP, R22/R407, 56700 BTU @+7,2°C, 93cc, 380 VAC, POE Oil
ZR72KCE-TFD-522	Comp, Copeland, Scroll, HT, 6HP, R22/R407, 60000 BTU @+7,2°C, 98,1cc, 380 VAC, POE Oil
ZR84KCE-TFD-522	Comp, Copeland, Scroll, HT, 7HP, R22/R407, 70000 BTU @+7,2°C, 113,6cc, 380 VAC, POE Oil
ZR94KCE-TFD-425	Comp, Copeland, Scroll, HT, 7,8HP, R22/R407, 78300 BTU @+7,2°C, 127,2cc, 380 VAC, POE Oil -Tandem Ready
ZR108KCE-TFD-425	Comp, Copeland, Scroll, HT, 9HP, R22/R407, 90000 BTU @+7,2°C, 142,9cc, 380 VAC, POE Oil -Tandem Ready

Compressors: Hermetic Scroll; Copeland continued

ITEM	DESCRIPTION & SPECIFICATION
ZR108KCE-TFD-551	Comp, Copeland, Scroll, HT, 9HP, R22/R407, 90000 BTU @+7,2°C, 142,9cc, 380 VAC, POE Oil
ZR125KCE-TFD-425	Comp, Copeland, Scroll, HT, 10,4HP, R22/R407, 104200 BTU @+7,2°C, 167,2cc, 380 VAC, POE Oil -Tandem Ready
ZR125KCE-TFD-551	Comp, Copeland, Scroll, HT, 10,4HP, R22/R407, 104200 BTU @+7,2°C, 167,2cc, 380 VAC, POE Oil
ZR144KCE-TFD-425	Comp, Copeland, Scroll, HT, 12HP, R22/R407, 120000 BTU @+7,2°C, 190,9cc, 380 VAC, POE Oil -Tandem Ready
ZR144KCE-TFD-551	Comp, Copeland, Scroll, HT, 12HP, R22/R407, 120000 BTU @+7,2°C, 190,9cc, 380 VAC, POE Oil
ZR160KCE-TWD-425	Comp, Copeland, Scroll, HT, 13,3HP, R22/R407, 133300 BTU @+7,2°C, 209,1cc, 380 VAC, POE Oil -Tandem Ready
ZR160KCE-TWD-551	Comp, Copeland, Scroll, HT, 13,3HP, R22/R407, 133300 BTU @+7,2°C, 209,1cc, 380 VAC, POE Oil
ZR190KCE-TWD-425	Comp, Copeland, Scroll, HT, 15,8HP, R22/R407, 158300 BTU @+7,2°C, 249,2cc, 380 VAC, POE Oil -Tandem Ready
ZR190KCE-TWD-551	Comp, Copeland, Scroll, HT, 15,8HP, R22/R407, 158300 BTU @+7,2°C, 249,2cc, 380 VAC, POE Oil



Compressors: Hermetic Scroll; Sanyo

ITEM	DESCRIPTION & SPECIFICATION
C-SB263H8B	Comp, Sanyo, Scroll, MT/HT, 3,5HP, R22, 6,5 kW @-5°C, 51,8cc, 380 VAC, Min Oil, 31220 BTU @+7,2°C
C-SB263H8A	Comp, Sanyo, Scroll, MT/HT, 3,5HP, R22, 6,8 kW @-5°C, 55,7cc, 380 VAC, Min Oil, 32687 BTU @+7,2°C
C-SBX120H38A	Comp, Sanyo, Scroll, MT/HT, 3,5HP, R22, 6,9 kW @-5°C, 55,7cc, 380 VAC, Min Oil, 34120 BTU @+7,2°C
C-SB303H8A	Comp, Sanyo, Scroll, MT/HT, 4HP, R22, 8,4 kW @-5°C, 66,8cc, 380 VAC, Min Oil, 40262 BTU @+7,2°C
C-SB303H8G	Comp, Sanyo, Scroll, MT/HT, 4HP, R22, 8,4 kW @-5°C, 66,8cc, 380 VAC, Min Oil, 40262 BTU @+7,2°C
C-SBX160H38A	Comp, Sanyo, Scroll, MT/HT, 4,4HP, R22, 8,5 kW @-5°C, 73,2cc, 380 VAC, Min Oil, 41218 BTU @+7,2°C
C-SB353H8G	Comp, Sanyo, Scroll, MT/HT, 4,5HP, R22, 9,6 kW @-5°C, 77,4cc, 380 VAC, Min Oil, 46062 BTU @+7,2°C
C-SB373H8A	Comp, Sanyo, Scroll, MT/HT, 5HP, R22, 9,6 kW @-5°C, 83,2cc, 380 VAC, Min Oil, 45620 BTU @+7,2°C
C-SB373H8G	Comp, Sanyo, Scroll, MT/HT, 5HP, R22, 10,3 kW @-5°C, 83,2cc, 380 VAC, Min Oil, 49474 BTU @+7,2°C
C-SBX195H38A	Comp, Sanyo, Scroll, MT/HT, 5,5HP, R22, 11,7 kW @-5°C, 90,6cc, 380 VAC, Min Oil, 55616 BTU @+7,2°C
C-SB453H8G	Comp, Sanyo, Scroll, MT/HT, 6HP, R22, 12,5 kW @-5°C, 100cc, 380 VAC, Min Oil, 60539 BTU @+7,2°C
C-SBR235H38A	Comp, Sanyo, Scroll, MT/HT, 7HP, R22, 13,8 kW @-5°C, 110,2cc, 380 VAC, Min Oil, 65511 BTU @+7,2°C
C-SBR235H38B	Comp, Sanyo, Scroll, MT/HT, 7HP, R22, 13,8 kW @-5°C, 110,2cc, 380 VAC, Min Oil, 65511 BTU @+7,2°C
C-SC583H8H	Comp, Sanyo, Scroll, MT/HT, 8HP, R22, 16,1 kW @-5°C, 131,9cc, 380 VAC, Min Oil, 80490 BTU @+7,2°C
C-SC583H8K	Comp, Sanyo, Scroll, MT/HT, 8HP, R22, 16,1 kW @-5°C, 131,9cc, 380 VAC, Min Oil, 80490 BTU @+7,2°C
C-SC673H8K	Comp, Sanyo, Scroll, MT/HT, 9HP, R22, 18,1 kW @-5°C, 148,8cc, 380 VAC, Min Oil, 90384 BTU @+7,2°C
C-SC753H8H	Comp, Sanyo, Scroll, MT/HT, 10HP, R22, 21,1 kW @-5°C, 171,2cc, 380 VAC, Min Oil, 104374 BTU @+7,2°C
C-SC753H8K	Comp, Sanyo, Scroll, MT/HT, 10HP, R22, 21,1 kW @-5°C, 171,2cc, 380 VAC, Min Oil, 104374 BTU @+7,2°C
C-SC863H8H	Comp, Sanyo, Scroll, MT/HT, 12HP, R22, 22,6 kW @-5°C, 199,1cc, 380 VAC, Min Oil, 110635 BTU @+7,2°C
C-SC903H8H	Comp, Sanyo, Scroll, MT/HT, 12HP, R22, 23,1 kW @-5°C, 205,4cc, 380 VAC, Min Oil, 114716 BTU @+7,2°C
C-SC903H8K	Comp, Sanyo, Scroll, MT/HT, 12HP, R22, 24,9 kW @-5°C, 205,4cc, 380 VAC, Min Oil, 123140 BTU @+7,2°C
C-SBN263H8A	Comp, Sanyo, Scroll, MT/HT, 3,5HP, R407, 6,6 kW @-5°C, 55,7cc, 380 VAC, POE Oil, 32756 BTU @+7,2°C
C-SBN303H8G	Comp, Sanyo, Scroll, MT/HT, 4HP, R407, 7,9 kW @-5°C, 66,8cc, 380 VAC, POE Oil, 39580 BTU @+7,2°C
C-SBN353H8G	Comp, Sanyo, Scroll, MT/HT, 4,5HP, R407, 9,3 kW @-5°C, 77,4cc, 380 VAC, POE Oil, 45721 BTU @+7,2°C
C-SBN373H8G	Comp, Sanyo, Scroll, MT/HT, 5HP, R407, 10,1 kW @-5°C, 83,2cc, 380 VAC, POE Oil, 49474 BTU @+7,2°C
C-SBN453H8G	Comp, Sanyo, Scroll, MT/HT, 6HP, R407, 12 kW @-5°C, 100cc, 380 VAC, POE Oil, 60052 BTU @+7,2°C
C-SBS235H38B	Comp, Sanyo, Scroll, MT/HT, 7HP, R407, 13,8 kW @-5°C, 110,2cc, 380 VAC, POE Oil, 66534 BTU @+7,2°C
C-SCN603H8K	Comp, Sanyo, Scroll, MT/HT, 8HP, R407, 17 kW @-5°C, 137cc, 380 VAC, POE Oil, 83560 BTU @+7,2°C
C-SCN753H8K	Comp, Sanyo, Scroll, MT/HT, 10HP, R407, 17 kW @-5°C, 171,2cc, 380 VAC, POE Oil, 101985 BTU @+7,2°C
C-SCN673H8K	Comp, Sanyo, Scroll, MT/HT, 9HP, R407, 18,3 kW @-5°C, 148,8cc, 380 VAC, POE Oil, 90384 BTU @+7,2°C
C-SCN903H8K	Comp, Sanyo, Scroll, MT/HT, 12HP, R407, 24,7 kW @-5°C, 205,4cc, 380 VAC, POE Oil, 119045 BTU @+7,2°C
C-SBPI140H15A	Comp, Sanyo, Scroll, MT/HT, 4HP, R410a, 8,4 kW @-5°C, 46,4cc, 220 VAC, POE Oil, 39819 BTU @+7,2°C

Compressors: Hermetic Scroll; Sanyo continued

ITEM	DESCRIPTION & SPECIFICATION
C-SBP140H38A	Comp, Sanyo, Scroll, MT/HT, 4HP, R410a, 8,4 kW @-5°C, 46,4cc, 380 VAC, POE Oil, 40160 BTU @+7.2°C
C-SBP170H38A	Comp, Sanyo, Scroll, MT/HT, 5HP, R410a, 10,3 kW @-5°C, 55,7cc, 380 VAC, POE Oil, 48758 BTU @+7.2°C
C-SBP205H38A	Comp, Sanyo, Scroll, MT/HT, 6HP, R410a, 12,3 kW @-5°C, 66,8cc, 380 VAC, POE Oil, 57663 BTU @+7.2°C
C-SBN303L8A	Comp, Sanyo, Scroll, LT, 4HP, R404, 2,6 kW @-25°C, 66,8cc, 380 VAC, POE Oil
C-SBN373L8A	Comp, Sanyo, Scroll, LT, 5HP, R404, 3,5 kW @-25°C, 83,2cc, 380 VAC, POE Oil
C-SCN453L8H	Comp, Sanyo, Scroll, LT, 6HP, R404, 4,6 kW @-25°C, 104cc, 380 VAC, POE Oil
C-SCN523L8H	Comp, Sanyo, Scroll, LT, 7HP, R404, 5,1 kW @-25°C, 120cc, 380 VAC, POE Oil
C-SCN603L8H	Comp, Sanyo, Scroll, LT, 8HP, R404, 5,7 kW @-25°C, 137cc, 380 VAC, POE Oil
C-SCN608L8H	Comp, Sanyo, Scroll, LT, 8HP, R404, 6,1 kW @-25°C, 137cc, 380 VAC, POE Oil
C-SCN753L8H	Comp, Sanyo, Scroll, LT, 10HP, R404, 7 kW @-25°C, 171,2cc, 380 VAC, POE Oil



Compressors: Semi-Hermetic Scroll; Invotech

ITEM	DESCRIPTION & SPECIFICATION
YSF100E1G-V100	Comp, Invotech, Semi Herm, Scroll, R404A, 14.08 kW @, -25/45Low Temp, 3PH
YSF125E1G-V100	Comp, Invotech, Semi Herm, Scroll, R404A, 17.43 kW @, -25/45Low Temp, 3PH
YSF65E1G-V100	Comp, Invotech, Semi Herm, Scroll, R404A, 8.79 kW @, -25/45Low Temp, 3PH
YSF75E1G-V100	Comp, Invotech, Semi Herm, Scroll, R404A, 10.39 kW @, -25/45Low Temp, 3PH
YSF85E1G-V100	Comp, Invotech, Semi Herm, Scroll, R404A, 11.95 kW @, -25/45Low Temp, 3PH
YSF90E1G-V100	Comp, Invotech, Semi Herm, Scroll, R404A, 13.51 kW @, -25/45Low Temp, 3PH
YF13E2G-Q102	Comp, Invotech, Semi Herm, Scroll, R404, 2.03 kW @, -25/45Low Temp, 3PH
YF20E2G-Q102	Comp, Invotech, Semi Herm, Scroll, R404, 2.62 kW @, -25/45Low Temp, 3PH
YF29E2G-Q100	Comp, Invotech, Semi Herm, Scroll, R404, 3.95 kW @, -25/45Low Temp, 3PH
YF35E1G-Q100	Comp, Invotech, Semi Herm, Scroll, R404, 4.85 kW @, -25/45Low Temp, 3PH
YF41E1G-Q100	Comp, Invotech, Semi Herm, Scroll, R404, 5.84 kW @, -25/45Low Temp, 3PH



Compressors: Hermetic; Rotary

ITEM	DESCRIPTION & SPECIFICATION
TTAC-ROT-9BTU	Comp, MACS, Hermetic, Rotary, for A/C, R22, 2.637 kW, 9K BTU, 220, VAC
TTAC-ROT-12BTU	Comp, MACS, Hermetic, Rotary, for A/C, R22, 3.516 kW, 12K BTU, 220, VAC, 40uF
TTAC-ROT-18BTU	Comp, MACS, Hermetic, Rotary, for A/C, R22, 5.27 kW, 18K BTU, 220, VAC, 55uF
TTAC-ROT-24BTU	Comp, MACS, Hermetic, Rotary, for A/C, R22, 7.032 kW, 24K BTU, 220, VAC, 60uF
TTAC-ROT-30BTU	Comp, MACS, Hermetic, Rotary, for A/C, R22, 8.79 kW, 30K BTU, 220, VAC, 55uF
TTAC-ROT-410-12BTU	Comp, MACS, Hermetic, Rotary, for A/C, R410a, 3.516 kW, 12K BTU, 220, VAC, 35uF
TTAC-ROT-410-18BTU	Comp, MACS, Hermetic, Rotary, for A/C, R410a, 5.274 kW, 18K BTU, 220, VAC, 55uF
TTAC-ROT-410-24BTU	Comp, MACS, Hermetic, Rotary, for A/C, R410a, 7.032 kW, 24K BTU, 220, VAC, 50uF
TTAC-ROT-410-30BTU	Comp, MACS, Hermetic, Rotary, for A/C, R410a, 8.79 kW, 30K BTU, 220, VAC, 55uF
TTAC-ROT-410-9BTU	Comp, MACS, Hermetic, Rotary, for A/C, R410a, 2.637 kW, 9K BTU, 220, VAC, 30uF

Compressor Spares

ITEM	DESCRIPTION & SPECIFICATION
CCH-COPELAND-ZB150	Heater, Copeland, Crankcase, MT, ZB150, 220 VAC
CCH-COPELAND-ZB15-ZB48	Heater, Copeland, Crankcase, MT, ZB15-ZB48, 220 VAC
CCH-COPELAND-ZB190-ZB220	Heater, Copeland, Crankcase, MT, ZB190-ZB220, 220 VAC
CCH-COPELAND-ZB58-ZB130	Heater, Copeland, Crankcase, MT, ZB58-ZB130, 220 VAC
CCH-COPELAND-ZF06-ZF25	Heater, Copeland, Crankcase, LT, ZF06-ZF25, 220 VAC
CCH-COPELAND-ZF34-ZF54	Heater, Copeland, Crankcase, LT, ZF34-ZF54, 220 VAC
CCH-COPELAND-ZP32-ZP42	Heater, Copeland, Crankcase, HT, ZP32-ZP42, 220 VAC
CCH-COPELAND-ZP57-ZP83	Heater, Copeland, Crankcase, HT, ZP57-ZP83, 220 VAC
CCH-COPELAND-ZP90-ZP182	Heater, Copeland, Crankcase, HT, ZP90-ZP182, 220 VAC
CCH-COPELAND-ZR34-ZR48	Heater, Copeland, Crankcase, HT, ZR34-ZR48, 220 VAC
CCH-COPELAND-ZR57-ZR72	Heater, Copeland, Crankcase, HT, ZR57-ZR72, 220 VAC
CCH-COPELAND-ZR84-ZR190	Heater, Copeland, Crankcase, HT, ZR84-ZR190, 220 VAC
DTC-COPELAND-ZF06-ZF15	Discharge Temperature Control unit, Copeland, LT Scroll, ZF06 up to ZF25
DTC-COPELAND-ZF34-ZF54	Discharge Temperature Control unit, Copeland, LT Scroll, ZF34 up to ZF54
MAN-CRANKHEATER	Heater, ManEurop, Crankcase, PTC, 120Z0459, 35 W, 220 VAC
TTAC-DB35-BLOCK	Connector Block, Compressor, DB 12/24V
TTAC-KT-KEA093A-2	Capacitor, Run, 30 uF, 440 VAC
TTAC-KT-KGE680-1	Relay, Potential, 3ARR3AX16A2
TTAC-KT-KGE710-3	Capacitor, Start, 130-156 uF, 330 VAC
TTAC-KT-KWA099-3	E-Box, Kulthorn
TTEL-THERM-COPELAND-ZF06-ZF25	Protector, Copeland, Thermistor, LT scroll, ZF06-ZF25*
TTEL-THERM-COPELAND-ZF34-ZF54	Protector, Copeland, Thermistor, LT scroll, ZF34-ZF54*
HT-CCW-020	Heater, Crankcase, Wrap Around, 20 Watt, 220 VAC, 357/395mm
HT-CCW-035	Heater, Crankcase, Wrap Around, 35 Watt, 220 VAC, 500mm
HT-CCW-044	Heater, Crankcase, Wrap Around, Sanyo Scroll, 44 Watt, 220 VAC, 630/679mm
HT-CCW-055	Heater, Crankcase, Wrap Around, 55 Watt, 220 VAC, 537/575mm



Condensing Units: Cold Room

ITEM	DESCRIPTION & SPECIFICATION
MCOOL-CR-69/38-R404	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R404, 1,78 kW, 2.4x2.4x1.2
MCOOL-CR-138/38-R404	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R404, 2,56 kW, 2.4x2.4x2.4
MCOOL-CR-207/38-R404	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R404, 3,16 kW, 2.4x2.4x3.6
MCOOL-CR-311/38-R404	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R404, 4,64 kW, 3.6x3.6x1.2
MCOOL-CR-415/38-R404	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R404, 5,34 kW, 4.8x3.6x2.4
MCOOL-CR-69/38	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R22/R417A, 1,78 kW, 2.4x2.4x1.2
MCOOL-CR-69/38-DAN	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R404, 1,78 kW, 2.4x2.4x1.2, Maneurop
MCOOL-CR-138/38	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R22/R417A, 2,56 kW, 2.4x2.4x2.4
MCOOL-CR-138/38-dan	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R404, 2,64 kW, 2.4x2.4x2.4, Maneurop
MCOOL-CR-207/38	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R22/R417A, 3,16 kW, 2.4x2.4x3.6
MCOOL-CR-207/38-DAN	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R404, 3,61 kW, 2.4x2.4x3.6, Maneurop
MCOOL-CR-311/38	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R22/R417A, 4,64 kW, 3.6x3.6x1.2
MCOOL-CR-311/38-DAN	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R404, 4,64 kW, 3.6x3.6x1.2, Maneurop
MCOOL-CR-415/38	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R22/R417A, 5,18 kW, 4.8x3.6x2.4
MCOOL-CR-415/38-DAN	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R404, 5,37 kW, 4.8x3.6x2.4, Maneurop
MCOOL-CR-467/38	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R22/R417A, 5,18 kW, 3.6x3.6x3.6
MCOOL-CR-467/38-DAN	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R404, 5,37 kW, 3.6x3.6x3.6, Maneurop
MCOOL-CR-553/38	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R407C, 6,69 kW, 4.8x3.6x3.6
MCOOL-CR-553/38-DAN	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R404, 6,23 kW, 4.8x3.6x3.6, Maneurop
MCOOL-CR-622/38	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R407C, 6,69 kW, 4.8x4.8x2.4
MCOOL-CR-622/38-DAN	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R404, 6,23 kW, 4.8x4.8x2.4, Maneurop
MCOOL-CR-829/38	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R407C, 8,16 kW, 4.8x4.8x3.6
MCOOL-CR-829/38-DAN	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R404, 8,16 kW, 4.8x4.8x3.6, Maneurop
MCOOL-CR-903/38	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R407C, 8,16 kW, 4.8x4.6x4.4
MCOOL-CR-903/38-DAN	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R404, 8,16 kW, 4.8x4.6x4.4, Maneurop
MCOOL-CRKP-1013/38	Condensing Unit, Mcool, Cold Room, Medium Ambient, -5/45 R407C, 8,16 kW, 4.8x4.8x4.4



Condensing Units: Freezer Rooms

ITEM	DESCRIPTION & SPECIFICATION
MCOOL-FR-69/38	Condensing Unit, Mcool, Freezer Room, Medium Ambient, -25/45 R404, 1,66 kW
MCOOL-FR-69/38-DAN	Condensing Unit, Mcool, Freezer Room, Medium Ambient, -25/45 R404, 1,49 kW, Maneurop
MCOOL-FR-138/38	Condensing Unit, Mcool, Freezer Room, Medium Ambient, -25/45 R404, 2,4 kW
MCOOL-FR-138/38-DAN	Condensing Unit, Mcool, Freezer Room, Medium Ambient, -25/45 R404, 2,4 kW, Maneurop
MCOOL-FR-207/38	Condensing Unit, Mcool, Freezer Room, Medium Ambient, -25/45 R404, 3,58 kW
MCOOL-FR-207/38-DAN	Condensing Unit, Mcool, Freezer Room, Medium Ambient, -25/45 R404, 3,58 kW, Maneurop

Compressors: Hermetic Scroll; Sanyo continued

ITEM	DESCRIPTION & SPECIFICATION
MCOOL-FR-311/38	Condensing Unit, Mcool, Freezer Room, Medium Ambient, -25/45 R404, 4.56 kW
MCOOL-FR-311/38-DAN	Condensing Unit, Mcool, Freezer Room, Medium Ambient, -25/45 R404, 4.56 kW, Maneurop
MCOOL-FR-415/38	Condensing Unit, Mcool, Freezer Room, Medium Ambient, -25/45 R404, 5.81 kW
MCOOL-FR-467/38	Condensing Unit, Mcool, Freezer Room, Medium Ambient, -25/45 R404, 5.81 kW
MCOOL-FR-553/38	Condensing Unit, Mcool, Freezer Room, Medium Ambient, -25/45 R404, 7.09 kW
MCOOL-FR-553/38-DAN	Condensing Unit, Mcool, Freezer Room, Medium Ambient, -25/45 R404, 8.03 kW, Maneurop
MCOOL-FR-622/38	Condensing Unit, Mcool, Freezer Room, Medium Ambient, -25/45 R404, 7.09 kW
MCOOL-FR-829/38	Condensing Unit, Mcool, Freezer Room, Medium Ambient, -25/45 R404, 8.77 kW
MCOOL-FR-829/38-DAN	Condensing Unit, Mcool, Freezer Room, Medium Ambient, -25/45 R404, 7.05 kW, Maneurop
MCOOL-FR-903/38	Condensing Unit, Mcool, Freezer Room, Medium Ambient, -25/45 R404, 10.37 kW
MCOOL-FR-1013/38-DAN	Condensing Unit, Mcool, Freezer Room, Medium Ambient, -25/45 R404, 9.71 kW, Maneurop



Condensing Units: Mcool Cold Room Packs

ITEM	DESCRIPTION & SPECIFICATION
MCOOL-CRP-69/38	Condensing Unit, Mcool, Pack, Medium Ambient, -5/45 R22/R417A, 1.77 kW, 2.4x2.4x2.1
MCOOL-CRP-104/38	Condensing Unit, Mcool, Pack, Medium Ambient, -5/45 R22/R417A, 2.15 kW, 2.4x2.4x2.2
MCOOL-CRP-138/38	Condensing Unit, Mcool, Pack, Medium Ambient, -5/45 R22/R417A, 2.56 kW, 2.4x2.4x2.4
MCOOL-CRP-207/38	Condensing Unit, Mcool, Pack, Medium Ambient, -5/45 R22/R417A, 3.16 kW, 2.4x3.6x2.4
MCOOL-CRP-311/38	Condensing Unit, Mcool, Pack, Medium Ambient, -5/45 R22/R417A, 4.64 kW, 3.6x3.6x2.4
MCOOL-CRP-346/36	Condensing Unit, Mcool, Pack, Medium Ambient, 4.9 kW, 3.6x3.6x3.6
MCOOL-CRP-467/38	Condensing Unit, Mcool, Pack, Medium Ambient, -5/45 R22/R417A, 5.18 kW, 3.6x3.6x3.6
MCOOL-CRP-415/38	Condensing Unit, Mcool, Pack, Double Mini, Medium Ambient, -5/45 R22/R417A, 5.18 kW, 4.8x3.6x2.4
MCOOL-CRP-5533/38	Condensing Unit, Mcool, Pack, Medium Ambient, -5/45, 6.4 kW
MCOOL-CRP-553/38	Condensing Unit, Mcool, Pack, Medium Ambient, -5/45 R22/R417A, 6.71 kW, 4.8x3.6x3.6
MCOOL-CRP-622/38	Condensing Unit, Mcool, Pack, Medium Ambient, -5/45 R22/R417A, 7.54 kW, 4.8x4.8x4.2
MCOOL-CRP-829/38	Condensing Unit, Mcool, Pack, Medium Ambient, -5/45 R22/R417A, 8.45 kW
MCOOL-CRKP-69/38	Condensing Unit, Mcool, Pack, Medium Ambient, -5/45 R22/R417A, 1.78 kW, 2.4x2.4x1.2
MCOOL-CRKP-138/38	Condensing Unit, Mcool, Pack, Medium Ambient, -5/45 R22/R417A, 2.56 kW, 2.4x2.4x2.4
MCOOL-CRKP-207/38	Condensing Unit, Mcool, Pack, Medium Ambient, -5/45 R22/R417A, 3.16 kW, 2.4x3.6x2.4
MCOOL-CRKP-311/38	Condensing Unit, Mcool, Pack, Medium Ambient, -5/45 R22/R417A, 4.64 kW, 3.6x3.6x2.4
MCOOL-CRKP-467/38	Condensing Unit, Mcool, Pack, Medium Ambient, -5/45 R22/R417A, 5.18 kW, 3.6x3.6x3.6
MCOOL-CRKP-622/38	Condensing Unit, Mcool, Pack, Medium Ambient, -5/45, 6.69 kW, 4.8x4.8x4.2

Condensing Units: Mcool Freezer Room Packs

ITEM	DESCRIPTION & SPECIFICATION
MCOOL-FRP-104/38	Freezer Pack, Mcool, Medium Ambient, -25/45 2,4 kW
MCOOL-FRP-138/38	Freezer Pack, Mcool, Medium Ambient, -25/45 2,4 kW
MCOOL-FRP-69/38	Freezer Pack, Mcool, Medium Ambient, -25/45 1,66 kW



Condensing Units: Glacio

ITEM	DESCRIPTION & SPECIFICATION
HCHD CAJ2464Z 1A30 S	Condensing Unit, HC, Glacio, R404/R507a, LT, 1.16 kW, @-25°Csst, 220 VAC
HCHD CAJ4517Z 2A30 S	Condensing Unit, HC, Glacio, R404/R507a, MT, 2.48 kW, @-5°Csst, 220 VAC
HCHD CAJ4519Z 3A30 S	Condensing Unit, HC, Glacio, R404/R507a, MT, 3.17 kW, @-5°Csst, 220 VAC
HCHD CAJ9510Z 1A30 S	Condensing Unit, HC, Glacio, R404/R507a, MT, 1.76 kW, @-5°Csst, 220 VAC
HCHD CAJ9513Z 2A30 S	Condensing Unit, HC, Glacio, R404/R507a, MT, 2.22 kW, @-5°Csst, 220 VAC
HCHD FH2480Z 2A30 S	Condensing Unit, HC, Glacio, R404/R507a, LT, 1.74 kW, @-25°Csst, 220 VAC
HCHD FH2511Z 2A35 S	Condensing Unit, HC, Glacio, R404/R507a, LT, 2.19 kW, @-25°Csst, 220 VAC
HCHD FH4524Z 2 A 35 S	Condensing Unit, HC, Glacio, R404/R507a, MT, 3.73 kW, @-5°Csst, 220 VAC
HCHD FH4531Z 4A35 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 4.73 kW, @-5°Csst, 220 VAC
HCHD TAG2516Z 3 A 40 T	Condensing Unit, HC, Glacio, R404/R507a, LT, 3.36 kW, @-25°Csst, 380 VAC
HCHD TAG2522Z 3 A 40 T	Condensing Unit, HC, Glacio, R404/R507a, LT, 3.87 kW, @-25°Csst, 380 VAC
HCHD TAG2525Z 4 A 40 T	Condensing Unit, HC, Glacio, R404/R507a, LT, 4.32 kW, @-25°Csst, 380 VAC
HCHD TAG4546Z 4 A 40 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 6.54 kW, @-5°Csst, 380 VAC
HCHD TAG4553Z 2 A 50 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 7.6 kW, @-5°Csst, 380 VAC
HCHD TAG4561Z 2 A 50 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 8.35 kW, @-5°Csst, 380 VAC
HCHD TAG4568Z 3 A 50 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 9.89 kW, @-5°Csst, 380 VAC
HCHD TAG4573Z 3 A 50 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 10.53 kW, @-5°Csst, 380 VAC
HCHD TAG4581Z 4 A 50 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 11.67 kW, @-5°Csst, 380 VAC
HCHD TAJ4517Z 2A30 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 2.48 kW, @-5°Csst, 380 VAC
HCHD TAJ4519Z 2A35 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 3.17 kW, @-5°Csst, 380 VAC
HCHD TFH2480Z 2A30 T	Condensing Unit, HC, Glacio, R404/R507a, LT, 1.74 kW, @-25°Csst, 380 VAC
HCHD TFH2511Z 2A35 T	Condensing Unit, HC, Glacio, R404/R507a, LT, 2.19 kW, @-25°Csst, 380 VAC
HCHD TFH4524Z 2 A 35 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 3.73 kW, @-5°Csst, 380 VAC
HCHD TFH4531Z 4 A 35 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 4.73 kW, @-5°Csst, 380 VAC
HCHD TFH4540Z 3 A 40 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 5.87 kW, @-5°Csst, 380 VAC
HCHD ZB114KQE 4B50 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 27.99 kW, @-5°Csst, 380 VAC
HCHD ZB15KCE 2A35 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 3.88 kW, @-5°Csst, 380 VAC
HCHD ZB19KQE 3A35 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 4.74 kW, @-5°Csst, 380 VAC
HCHD ZB21KQE 3A35 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 5.74 kW, @-5°Csst, 380 VAC
HCHD ZB26KCE 2A50 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 6.81 kW, @-5°Csst, 380 VAC
HCHD ZB29KCE 4A40 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 7.5 kW, @-5°Csst, 380 VAC
HCHD ZB38KCE 2A50 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 9.71 kW, @-5°Csst, 380 VAC
HCHD ZB45KCE 3A50 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 11.56 kW, @-5°Csst, 380 VAC
HCHD ZB48KCE 4A50 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 13.05 kW, @-5°Csst, 380 VAC
HCHD ZB57KCE 2B50 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 14.34 kW, @-5°Csst, 380 VAC
HCHD ZB66KQE 2B50 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 17.15 kW, @-5°Csst, 380 VAC
HCHD ZB76KQE 3B50 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 20.59 kW, @-5°Csst, 380 VAC
HCHD ZB95KQE 4B50 T	Condensing Unit, HC, Glacio, R404/R507a, MT, 25.14 kW, @-5°Csst, 380 VAC
HCHD ZF18K4E 2A50 T	Condensing Unit, HC, Glacio, R404/R507a, LT, 5.66 kW, @-25°Csst, 380 VAC
HCHD ZF25K5E 3A50 T	Condensing Unit, HC, Glacio, R404/R507a, LT, 6.89 kW, @-25°Csst, 380 VAC
HCHD ZF34K5E 2 B 50 T	Condensing Unit, HC, Glacio, R404/R507a, LT, 9.16 kW, @-25°Csst, 380 VAC
HCHD ZF41K5E 2 B 50 T	Condensing Unit, HC, Glacio, R404/R507a, LT, 11.42 kW, @-25°Csst, 380 VAC

Condensing Units: Kulthorn - Sikelan

ITEM	DESCRIPTION & SPECIFICATION
MCCU2415Y	Condensing Unit, Kulthorn, LBP, 35deg Max, R134A, -23/54, 0.37 kW, 220 VAC, AE2415Y
MCCU4440E	Condensing Unit, Kulthorn, HBP, 35deg Max, R22, +7/54, 0.9 kW, 220 VAC, AE4440E
MCCU4474E	Condensing Unit, Kulthorn, HBP, 35deg Max, R22, +7/54, 1.35 kW, 220 VAC, AE4474E
MCCU5524E	Condensing Unit, Kulthorn, HBP, 35deg Max, R22, +7/54, 6.14 kW, 220 VAC, AW5524E
MCCU5530E	Condensing Unit, Kulthorn, HBP, 35deg Max, R22, +7/54, 7.32 kW, 220 VAC, CAW5530E
MCCU7426E	Condensing Unit, Kulthorn, HBP, 35deg Max, R22, +7/54, 0.7 kW, 220 VAC, AE7426E
MCOOL-1R134	Condensing Unit, Mcool, Chiller, -5/45 R134A, 2&1/2 Door Underbar, 1 Door Chiller, 330x470x279, CAE7423YB
MCOOL-1R22	Condensing Unit, Mcool, Chiller, -5/45 R22, 2&1/2 Door Underbar, 1 Door Chiller, 330x470x279, CAE7435EB-892w
MCOOL-2R134	Condensing Unit, Mcool, Chiller, -5/45 R134A, 3&4 Door Underbar, 2 Door Chiller, 330x470x279, CAE7430YB
MCOOL-2R22	Condensing Unit, Mcool, Chiller, -5/45 R22, 3&4 Door Underbar, 2 Door Chiller, 330x470x233, CAE7440EB-1019w
MCOOL-3R134	Condensing Unit, Mcool, Chiller, -5/45 R134A, 5 Door Underbar, 3 Door Chiller, 330x470x279, CAE9437YB-943w
MCOOL-ADW-57-GD	Condensing Unit, Mcool, Steel Wire, -25/45, 156 W
MCOOL-ADW-91-GD	Condensing Unit, Mcool, Steel Wire, -25/45, 273 W
MCOOL-ADW-110-GD	Condensing Unit, Mcool, Steel Wire, -25/45, 319 W

Heat Exchangers

ITEM	DESCRIPTION & SPECIFICATION
TTHE-70-3412	Coil, Coaxial, Heat Exchange, Ref, 19mm In, 12.7mm Out, Water 19,mm, SR-BA-024-H
TTHE-88-7812	Coil, Coaxial, Heat Exchange, Ref, 22.2mm In, 12.7mm Out, Water 19,mm, SR-BA-030-H



HC Heat Exchangers: Condensers

ITEM	DESCRIPTION & SPECIFICATION
HCB 201-3R	Condensing Base, HC, 1 x FAN, 200mm, 3 x ROW, incl Receiver, 0.59kW @10°TD R404a
HCB 251-2R	Condensing Base, HC, 1 x FAN, 250mm, 2 x ROW, incl Receiver, 1.03kW @10°TD R404a
HCB 251-3R	Condensing Base, HC, 1 x FAN, 250mm, 3 x ROW, incl Receiver, 1.22kW @10°TD R404a
HCB 251-4R	Condensing Base, HC, 1 x FAN, 250mm, 4 x ROW, incl Receiver, 1.28kW @10°TD R404a
HCB 251-3R	Condensing Base, HC, 1 x FAN, 250mm, 3 x ROW, incl Receiver, 1.22kW @10°TD R404a
HCB 252-3R	Condensing Base, HC, 2 x FAN, 250mm, 3 x ROW, incl Receiver, 2.57kW @10°TD R404a
HCB 301-2R	Condensing Base, HC, 1 x FAN, 300mm, 2 x ROW, incl Receiver, 3.20kW @10°TD R404a
HCB 301-3R	Condensing Base, HC, 1 x FAN, 300mm, 3 x ROW, incl Receiver, 3.72kW @10°TD R404a
HCB 301-4R	Condensing Base, HC, 1 x FAN, 300mm, 4 x ROW, incl Receiver, 3.86kW @10°TD R404a
HCB 302-2R	Condensing Base, HC, 2 x FAN, 300mm, 2 x ROW, incl Receiver, 6.58kW @10°TD R404a
HCB 302-3R	Condensing Base, HC, 2 x FAN, 300mm, 3 x ROW, incl Receiver, 7.44kW @10°TD R404a
HCB 302-4R	Condensing Base, HC, 2 x FAN, 300mm, 4 x ROW, incl Receiver, 7.69kW @10°TD R404a
HCB 351-2R	Condensing Base, HC, 1 x FAN, 350mm, 2 x ROW, incl Receiver, 4.43kW @10°TD R404a
HCB 351-3R	Condensing Base, HC, 1 x FAN, 350mm, 3 x ROW, incl Receiver, 5.39kW @10°TD R404a
HCB 351-4R	Condensing Base, HC, 1 x FAN, 350mm, 4 x ROW, incl Receiver, 5.78kW @10°TD R404a
HCB 352-2R	Condensing Base, HC, 2 x FAN, 350mm, 2 x ROW, incl Receiver, 8.92kW @10°TD R404a

HC Heat Exchangers: Condensers continued

ITEM	DESCRIPTION & SPECIFICATION
HCB 352-3R	Condensing Base, HC, 2 x FAN, 350mm, 3 x ROW, incl Receiver, 10.7kW @10°TD R404a
HCB 352-4R	Condensing Base, HC, 2 x FAN, 350mm, 4 x ROW, incl Receiver, 11.6kW @10°TD R404a
HCB 353-3R	Condensing Base, HC, 3 x FAN, 350mm, 3 x ROW, incl Receiver, 16.1kW @10°TD R404a
HCB 353-2R	Condensing Base, HC, 3 x FAN, 350mm, 2 x ROW, incl Receiver, 13.4kW @10°TD R404a
HCB 353-4R	Condensing Base, HC, 3 x FAN, 350mm, 4 x ROW, incl Receiver, 17.3kW @10°TD R404a
HCB 401-3R	Condensing Base, HC, 1 x FAN, 400mm, 3 x ROW, incl Receiver, 6.93kW @10°TD R404a
HCB 401-4R	Condensing Base, HC, 1 x FAN, 400mm, 4 x ROW, incl Receiver, 7.44kW @10°TD R404a
HCB 402-2R	Condensing Base, HC, 2 x FAN, 400mm, 2 x ROW, incl Receiver, 11.5kW @10°TD R404a
HCB 402-3R	Condensing Base, HC, 2 x FAN, 400mm, 3 x ROW, incl Receiver, 13.9kW @10°TD R404a
HCB 402-4R	Condensing Base, HC, 2 x FAN, 400mm, 4 x ROW, incl Receiver, 15kW @10°TD R404a
HCB 403-2R	Condensing Base, HC, 3 x FAN, 400mm, 2 x ROW, incl Receiver, 17.3kW @10°TD R404a
HCB 403-3R	Condensing Base, HC, 3 x FAN, 400mm, 3 x ROW, incl Receiver, 20.7kW @10°TD R404a
HCB 501-3R	Condensing Base, HC, 1 x FAN, 500mm, 3 x ROW, incl Receiver, 13.4kW @10°TD R404a
HCB 501-4R	Condensing Base, HC, 1 x FAN, 500mm, 4 x ROW, incl Receiver, 14.3kW @10°TD R404a
HCB 502-2R	Condensing Base, HC, 2 x FAN, 500mm, 2 x ROW, incl Receiver, 22.3kW @10°TD R404a
HCB 502-3R	Condensing Base, HC, 2 x FAN, 500mm, 3 x ROW, incl Receiver, 26.7kW @10°TD R404a
HCB 502-4R	Condensing Base, HC, 2 x FAN, 500mm, 4 x ROW, incl Receiver, 28.6kW @10°TD R404a
HCB 503-3R	Condensing Base, HC, 3 x FAN, 500mm, 3 x ROW, incl Receiver, 40kW @10°TD R404a
HCB 503-4R	Condensing Base, HC, 3 x FAN, 500mm, 4 x ROW, incl Receiver, 42.9kW @10°TD R404a
HCB 632-2R	Condensing Base, HC, 2 x FAN, 630mm, 2 x ROW, incl Receiver, 58.4kW @10°TD R404a
HCB 632-3R	Condensing Base, HC, 2 x FAN, 630mm, 3 x ROW, incl Receiver, 73.4kW @10°TD R404a
HCBC 301-2R	Condensing Base, HC, 1 x FAN, 300mm, 2 x ROW, Compact, incl Receiver, 2.03Kw @10°TD R404a
HCBC 301-3R	Condensing Base, HC, 1 x FAN, 300mm, 3 x ROW, Compact, incl Receiver, 2.43Kw @10°TD R404a
HCBC 301-4R	Condensing Base, HC, 1 x FAN, 300mm, 4 x ROW, Compact, incl Receiver, 2.47Kw @10°TD R404a
HCBC 302-2R	Condensing Base, HC, 2 x FAN, 300mm, 2 x ROW, Compact, incl Receiver, 4.82Kw @10°TD R404a
HCBC 302-3R	Condensing Base, HC, 2 x FAN, 300mm, 3 x ROW, Compact, incl Receiver, 5.37Kw @10°TD R404a
HCBC 302-4R	Condensing Base, HC, 2 x FAN, 300mm, 4 x ROW, Compact, incl Receiver, 5.55Kw @10°TD R404a
HCBH 402-4R	Condensing Base, HC, 2 x FAN, 400mm, 4 x ROW, Compact, incl Receiver, 16.6Kw @10°TD R404a
HCBH 502-4R	Condensing Base, HC, 2 x FAN, 500mm, 4 x ROW, Compact, incl Receiver, 33.2Kw @10°TD R404a



HC Heat Exchangers: Evaporators

ITEM	DESCRIPTION & SPECIFICATION
RONDO 140A	Evaporator, HC, 1 x FAN, 250mm, 6 x Fins/inch, *Slimline
RONDO 240A	Evaporator, HC, 1 x FAN, 250mm, 6 x Fins/inch, *Slimline
RONDO 340A	Evaporator, HC, 1 x FAN, 250mm, 6 x Fins/inch, *Slimline
RONDO 400A	Evaporator, HC, 2 x FAN, 250mm, 6 x Fins/inch, *Slimline
RONDO 440-B	Evaporator, HC, 1 x FAN, 250mm, 6 x Fins/inch, *Slimline
RONDO-700A	Evaporator, HC, 2 x FAN, 250mm, 6 x Fins/inch, *Slimline
RONDO 500A	Evaporator, HC, 2 x FAN, 250mm, 6 x Fins/inch, *Slimline
RONDO 800C	Evaporator, HC, 2 x FAN, 300mm, 6 x Fins/inch, *Slimline
RONDO 900B	Evaporator, HC, 2 x FAN, 300mm, 6 x Fins/inch, *Slimline
RONDO 1100	Evaporator, HC, 2 x FAN, 300mm, 6 x Fins/inch, *Slimline
RONDO 1300B	Evaporator, HC, 2 x FAN, 300mm, 6 x Fins/inch, *Slimline



HC Heat Exchangers: Evaporators continued

ITEM	DESCRIPTION & SPECIFICATION
HSe 301-1BNNOA	Evaporator, HC, 1 x FAN, 300mm, 2 x ROW, 6 x Fins/inch
HSe 301-1CNNOA	Evaporator, HC, 1 x FAN, 300mm, 3 x ROW, 6 x Fins/inch
HSe 301-1CWNOA	Evaporator, HC, 1 x FAN, 300mm, 3 x ROW, 4 x Fins/inch
HSe 301-1DNNOA	Evaporator, HC, 1 x FAN, 300mm, 4 x ROW, 6 x Fins/inch
HSe 301-1DWE0A	Evaporator, HC, 1 x FAN, 300mm, 4 x ROW, 4 x Fins/inch, incl Defost Element
HSe 301-1EWE0A	Evaporator, HC, 1 x FAN, 300mm, 5 x ROW, 4 x Fins/inch, incl Defost Element
HSe 301-1EWN0A	Evaporator, HC, 1 x FAN, 300mm, 5 x ROW, 4 x Fins/inch
HSe 302-1BNNOA	Evaporator, HC, 2 x FAN, 300mm, 2 x ROW, 6 x Fins/inch
HSe 302-1CNNOA	Evaporator, HC, 2 x FAN, 300mm, 3 x ROW, 6 x Fins/inch
HSe 302-1CWE0A	Evaporator, HC, 2 x FAN, 300mm, 3 x ROW, 4 x Fins/inch, incl Defost Element
HSe 302-1CWNOA	Evaporator, HC, 2 x FAN, 300mm, 3 x ROW, 4 x Fins/inch
HSe 302-1DNNO4	Evaporator, HC, 2 x FAN, 300mm, 4 x ROW, 6 x Fins/inch
HSe 302-1DNNOA	Evaporator, HC, 2 x FAN, 300mm, 4 x ROW, 6 x Fins/inch
HSe 302-1DWE0A	Evaporator, HC, 2 x FAN, 300mm, 4 x ROW, 4 x Fins/inch, incl Defost Element
HSe 302-1DWN0A	Evaporator, HC, 2 x FAN, 300mm, 4 x ROW, 4 x Fins/inch
HSe 302-1ENNOA	Evaporator, HC, 2 x FAN, 300mm, 5 x ROW, 6 x Fins/inch
HSe 302-1EWE0A	Evaporator, HC, 2 x FAN, 300mm, 5 x ROW, 4 x Fins/inch, incl Defost Element
HSe 303-1CNNOA	Evaporator, HC, 3 x FAN, 300mm, 3 x ROW, 6 x Fins/inch
HSe 303-1CWE0A	Evaporator, HC, 3 x FAN, 300mm, 3 x ROW, 4 x Fins/inch, incl Defost Element
HSe 303-1CWNOA	Evaporator, HC, 3 x FAN, 300mm, 3 x ROW, 4 x Fins/inch
HSe 303-1DNNOA	Evaporator, HC, 3 x FAN, 300mm, 4 x ROW, 6 x Fins/inch
HSe 303-1DWE0A	Evaporator, HC, 3 x FAN, 300mm, 4 x ROW, 4 x Fins/inch, incl Defost Element
HSe 303-1ENNOA	Evaporator, HC, 3 x FAN, 300mm, 5 x ROW, 6 x Fins/inch
HSe 303-1EWE0A	Evaporator, HC, 3 x FAN, 300mm, 5 x ROW, 4 x Fins/inch, incl Defost Element
HSe 304-1CNNOA	Evaporator, HC, 4 x FAN, 300mm, 3 x ROW, 6 x Fins/inch
HSe 304-1DNNOA-ERM	Evaporator, HC, 4 x FAN, 300mm, 4 x ROW, 6 x Fins/inch, *EBM Fan Assemblies
HSe 304-1DWE0A	Evaporator, HC, 4 x FAN, 300mm, 4 x ROW, 4 x Fins/inch, incl Defost Element
HSe 304-1ENNOA	Evaporator, HC, 4 x FAN, 300mm, 5 x ROW, 6 x Fins/inch
HSe 304-1EWE0A	Evaporator, HC, 4 x FAN, 300mm, 5 x ROW, 4 x Fins/inch, incl Defost Element
HSe 305-1DNNOA-ERM	Evaporator, HC, 5 x FAN, 300mm, 4 x ROW, 6 x Fins/inch, *EBM Fan Assemblies
HSe 305-1DWE0A	Evaporator, HC, 5 x FAN, 300mm, 4 x ROW, 4 x Fins/inch, incl Defost Element
HSe 305-1ENNOA	Evaporator, HC, 5 x FAN, 300mm, 5 x ROW, 6 x Fins/inch
HSe 305-1EWE0A	Evaporator, HC, 5 x FAN, 300mm, 5 x ROW, 4 x Fins/inch, incl Defost Element
HSe 353-1FWE0A	Evaporator, HC, 3 x FAN, 35mm, 6 x ROW, 4 x Fins/inch, incl Defost Element
HSe 354-1DWE0A	Evaporator, HC, 4 x FAN, 350mm, 4 x ROW, 4 x Fins/inch
HSe 354-1FNNOA	Evaporator, HC, 4 x FAN, 350mm, 6 x ROW, 6 x Fins/inch
HSe 502-3FNNOA	Evaporator, HC, 2 x FAN, 500mm, 6 x ROW, 6 x Fins/inch
HSe 503-3CNNOA	Evaporator, HC, 3 x FAN, 500mm, 3 x ROW, 6 x Fins/inch



Welding & Brazing

ITEM	DESCRIPTION & SPECIFICATION
TTBR-2002U	Rod, Brazing, Silver Solder, 20% Flux, 2.8mm, x 500mm, 1kg
TTBR-2002U-01	Rod, Brazing, Silver Solder, 20% Flux, 1.5mm, x 600mm, 1kg
TTBR-2002U-1ROD	Rod, Brazing, Silver Solder, 20% Flux, 2.8mm, x 500mm, 1 Pcs
TTBR-2002U-5	Rod, Brazing, Silver Solder, 20% Flux, 2.8mm, x 500mm, 5 Pcs
TTBR-3003U	Rod, Brazing, Silver Solder, 30% Flux, 1.5mm, x 500mm, 1kg
TTBR-3003U-02	Rod, Brazing, Silver Solder, 30% Flux, 1.5mm, x 600mm, 1kg
TTBR-3003U-1ROD	Rod, Brazing, Silver Solder, 30% Flux, 1.5mm, x 500mm, 1 Pcs
TTBR-3003U-5	Rod, Brazing, Silver Solder, 30% Flux, 1.5mm, x 500mm, 5 Pcs
TTBR-AL-FLUX	Welding, Flux, Aluminium, 250 Gram, Tub
TTBR-CU/AL-SOLDERCOIL	Coil, Soldering, Copper to ALU, 2mm, x 2000mm
TTBR-FLUX	Paste, Flux, Welding, 250 Gram, Jar
TTBR-SILFOS94/2	Rod, Brazing, Copper to Copper, 2mm, x 500mm, 1kg
TTBR-SILFOS94/2-2	Rod, Brazing, Copper to Copper, 2mm, x 500mm, 2 Pcs
TTBR-SILFOS94/2-5	Rod, Brazing, Copper to Copper, 2mm, x 500mm, 5 Pcs
TTBR-SILFOS94/3	Rod, Brazing, Copper to Copper, 3mm, x 500mm, 1kg
TTBR-SILFOS94/3-2	Rod, Brazing, Copper to Copper, 3mm, x 500mm, 2 Pcs
TTBR-SILFOS94/3-5	Rod, Brazing, Copper to Copper, 3mm, x 500mm, 5 Pcs
TTAC-T-2M	Tool, Torch, Welding, Adjustable Knob, 2M
TTAC-T-C	Tool, Torch, Solder & Brazing, C, Mapp/LPG/Propane
TTAC-T-C2	Tool, Torch, Solder & Brazing, Dual Tube, C2, Mapp/LPG/Propane
TTAC-T-PG	Gas, Propane, Cylinder, 29.57 ml
TTAC-T-MG	Gas, Mapp, Cylinder, MG
TTAC-HCW-24P	Tool, Torch, Welding, Medium Duty, 24P, + Cutting Kit for Porta Pak
TTAC-T-A	Tool, Torch, Welding, Electronic Trigger, A
TTAC-T-C2H	Tool, Torch, Welding, with Hose, Dual Tube, C2H, with quick Coupler Type S/Steel Nozzle
TTAC-T-CH	Tool, Torch, Welding, with Hose, CH, with quick Coupler Type S/Steel Nozzle
TTAC-T-OXY	Cannister, Oxygen, Welding, 1.4 oZ
TTWR-AL-ROD&FLUX	Rod, Brazing, Aluminium, FluxCoat, 1.9mm, x 457mm, 20 Pcs
TTWR-AL-RODS	Rod, Brazing, Aluminium, Black, 1.6mm, x 485mm, 6 Pcs

Thermafex & Accessories

ITEM	DESCRIPTION & SPECIFICATION
GOMAX-0780BC	DN2, Gomax, Hose, Capillary, Black p/m
GOMAX-0780C	DN2, Gomax, Hose, Capillary, Orange p/m
GOMAX-0789C	DN4, Gomax, Hose, 4mm p/m
GOMAX-CAF100	Q40, Gomax, Q40, Pre-Made, 1/4"[6.35mm]" SAE Female, 1/4" SAE Female, 1 m
GOMAX-CAG030	Q40, Gomax, Q40, Gasket, 1/4"[6.35mm]" SAE Female, 90deg Fitting Female
GOMAX-CAG100	Q40, Gomax, Q40, Pre-Made, 1/4"[6.35mm]" SAE Female
GOMAX-CHX100	Q40, Gomax, Q40, Straight Fitting, Pre-Made
GOMAX-WBA02C	Q2, Gomax, Q2, 180deg Fitting, 1/4"[6.35mm]" SAE Female
GOMAX-WCA02C	Q2, Gomax, Q2, 90deg Fitting
GOMAX-WPB0C1	Q2, Gomax, Q2, T-Fitting
GOMAX-WPB0C2	Q2, Gomax, Q2, T-Fitting, 1/4"[6.35mm]" SAE Female
GOMAX-WRP502	DN2-DN4, Gomax, Gasket, Copper
GOMAX-WZE2C1	Q2, Gomax, Q2
GOMAX-XBA02M	Q4, Gomax, Q4, Straight Fitting Female, 1/4"
GOMAX-XCA02M	Q4, Gomax, Q4, 90deg Fitting Female, 1/4"
GOMAX-XPB2M2	Q4, Gomax, Q4, T-Fitting SAE Female, 1/4"
GOMAX-RXA005	Tool, Quadra, Plier, Hydraulic, DN4-DN6
GOMAX-RXA007	Tool, Quadra, Plier, Hand, DN2
GOMAX-RXA005	Tool, Quadra, Plier, Hydraulic, DN4-DN6
GOMAX-RXA007	Tool, Quadra, Plier, Hand, DN2

Repairs & Leak Detection

ITEM	DESCRIPTION & SPECIFICATION
TTAC-SS-002	Sealant, SuperSeal, Appliance , Below 18,000, 947
TTAC-SS-003	Sealant, SuperSeal, HVAC-R, Residential & Domestic
TTAC-SS-004	Sealant, SuperSeal, Large Commercial, Above 17kW, 948
DAN296166	Leak Detector, Electronic, R134A/R22/R410A/R407C/R404A/R600A/R290/R1234YF
TTAC-DY-009	Leak Detector, Electronic, HLD201
TTAC-DY-6000	Leak Detector, Halogen, R410A/R22/R134A/R600A/R404/R507
TTAC-SS-001	Sealant, Super Leak Stop, R134A/R22
TTAC-SS-005	Dry-R, Eliminator Moisture, incl HVAC Hose
TTAC-DY-004	Dye, UV, Spray, 7.5 ml, 12 pcs
TTAC-DY-CLEAN	Cleaner, Flourescent UV Dye, Spray Bottle, 100 ml



Refrigerant Gasses

ITEM	DESCRIPTION & SPECIFICATION
TTAC 134AX900G	Gas, Refrigerant, R134A, 900g, Disposable, Nipple 14mm x 1.25 Thread
TTAC 134AX1/4inch-3.4	Gas, Refrigerant, R134A, 3.4kg, Disposable, 1/4" Fitting
TTAC 134AX1/4inch	Gas, Refrigerant, R134A, 13.6kg, Disposable, 1/4" Fitting
TTAC 134AX57	Gas, Refrigerant, R134A, 57kg, Cylinder
TTAC R22X800G	Gas, Refrigerant, R22, 800g, Disposable, Nipple 14mm x 1.25 Thread
TTAC R22X13.6	Gas, Refrigerant, R22, 13.6kg, Disposable
TTAC R22X52	Gas, Refrigerant, R22, 52kg, Cylinder
TTAC R290X400G	Gas, Refrigerant, R290, 400g, Disposable, Nipple 14mm x 1.25 Thread
TTAC R410X800G	Gas, Refrigerant, R410A, 800g, Disposable, Nipple 1/4 SAE Valve Thread
TTAC 410AX11.3K	Gas, Refrigerant, R410A, 11.3kg, Disposable
TTAC 402AX12.2K	Gas, Refrigerant, R402A, 12.2kg, Disposable, Replacement for HP80
TTAC 404AX10.9K	Gas, Refrigerant, R404A, 10.9kg, Disposable
TTAC 404AX50	Gas, Refrigerant, R404A, 50kg, Cylinder
TTAC 406AX13.6K	Gas, Refrigerant, R406A, 13.6kg, Disposable
TTAC 407CX11.3K	Gas, Refrigerant, R407C, 11.3kg, Disposable, Replacement for R22
TTAC 408AX10.9K	Gas, Refrigerant, R408A, 10.9kg, Disposable, Replacement for R502
TTAC 409AX13.6	Gas, Refrigerant, R409A, 13.6kg, Disposable, Replacement for R12
TTAC 417AX11.3KG	Gas, Refrigerant, R417A, 11.3kg, Disposable, Replacement for R22, All Oils - Med Temp
TTAC 507X11.3K	Gas, Refrigerant, R507A, 11.3kg, Disposable
TTAC R507X49.4	Gas, Refrigerant, R507A, 49.4kg, Disposable
TTAC 600AX420G	Gas, Refrigerant, R600A, 420g, Disposable, Nipple 14mm x 1.25 Thread
TTAC 600AX6.5KG	Gas, Refrigerant, R600A, 6.5kg, Disposable

Refrigerant Gasses: Adapters & Components

ITEM	DESCRIPTION & SPECIFICATION
TTAC TAP-800G-R410	Adapter, Tap, for 800g, 1/4"(6.35mm)" Female Thread, for Disposable Bottle
TTAC TAP-900G	Adapter, Tap, for 900g, 14mm Female, 1.25mm Thread, for Disposable Bottle, Big Nipple
TTAC-SB-001	Cylinder, Service (Recovery), Empty, Refillable, 12 kg



Oils

ITEM	DESCRIPTION & SPECIFICATION
FRI241-1285	Oil, Mineral, POE100, 5L
FRI241-129	Oil, Mineral, POE100, 3/8" (9.53mm) L
FRI241-173/MIN	Oil, Mineral, POE100, 210L
OIL-ERR-POE32/1	Oil, Errecom, Ester, POE32, 1L
OIL-ERR-POE32/5	Oil, Errecom, Ester, POE32, 5L
OIL-ERR-POE68/1	Oil, Errecom, Ester, POE68, 1L
OIL-ERR-POE68/5	Oil, Errecom, Ester, POE68, 5L
OIL-FUCHS-MIN32/5	Oil, Fuchs, Ester, POE32, Reniso, 5L, E08411
OIL-FUCHS-MIN68/5	Oil, Fuchs, Mineral, POE68, Reniso, 5L, E08511
OIL-FUCHS-POE100/5	Oil, Fuchs, Ester, POE100, Reniso Triton, 5L, E08610
OIL-FUCHS-POE32/1	Oil, Fuchs, Ester, POE32, Reniso Triton, 1L, E08315
OIL-FUCHS-POE32/5	Oil, Fuchs, Ester, POE32, Reniso Triton, 5L, E08310
OIL-FUCHS-POE68/1	Oil, Fuchs, Ester, POE68, Reniso Triton, 1L, E08215
OIL-FUCHS-POE68/5	Oil, Fuchs, Ester, POE68, Reniso Triton, 5L, E08210
OIL-MCOOL-MIN32/2-DA	Oil, Danfoss, Mineral, POE32, 2 L, 160 P, 7754001
OIL-MCOOL-MIN68	Oil, Mineral, POE68, 210L
OIL-MCOOL-MIN68/20	Oil, Mineral, POE68, 20 L
OIL-MCOOL-MIN68/5	Oil, Mineral, POE68, 5L
OIL-MCOOL-POE32	Oil, Ester, POE32, 210L
OIL-MCOOL-POE32/1	Oil, Ester, POE32, 1L
OIL-MCOOL-POE32/1-DA	Oil, Danfoss, Ester, POE32, 1L, 160 PZ Viscosity 32 , 7754019
OIL-MCOOL-POE32/4	Oil, Ester, POE32, 4 L
OIL-MCOOL-POE32/5	Oil, Ester, POE32, 5L
OIL-MCOOL-POE46	Oil, Ester, POE46, 210L
OIL-MCOOL-POE46/20	Oil, Ester, POE46, 20 L
OIL-MCOOL-POE46/5	Oil, Ester, POE46, 5L
OIL-MCOOL-POE68	Oil, Ester, POE68, 210L
OIL-MCOOL-POE68/1	Oil, Ester, POE68, 1L
OIL-MCOOL-POE68/20	Oil, Ester, POE68, 20 L
OIL-MCOOL-POE68/5	Oil, Ester, POE68, 5L
TTRL-EO-001	Oil, Ester, POE100, 1L
TTRL-EO-003	Oil, Ester, POE100, 5L
TTRL-EO-101	Oil, Ester, POE100, 210L
TTVO-131	Oil, Vacuum Pump, 1L
TTVO-132	Oil, Vacuum Pump, 5L

Air-Curtains

ITEM	DESCRIPTION & SPECIFICATION
AIRCURT-900	Air Curtain, Wall Mount, 900mm
AIRCURT-1200	Air Curtain, Wall Mount, 1200mm
AIRCURT-1500	Air Curtain, Wall Mount, 1500mm
FLEXI-CR-50m	Door, Flexi Strip, Cold Room, Med Temp x, 2mm x, 200mm

Cleaners, Chemicals & Solvents

ITEM	DESCRIPTION & SPECIFICATION
TTAC-SB-920	Cleaner, Coil, Acid Foam, Pink, 5L
TTAC-SB-920-ERR	Cleaner, Coil, Acid Foam, Red, 3.8L, Errecom
TTAC-SB-930	Cleaner, Coil, Non Acid, Yellow, 5L
TTAC-FL-001A	Solvent, Flushing, Perchloroethylene, 1L
TTAC-FL-005A	Solvent, Flushing, Perchloroethylene, 5L
TTAC-FL-101	Solvent, Flushing, Perchloroethylene, 210L, 300kg
TTAC-FL-EFLUSH-1	Solvent, Flushing, EcoFlush, Tin, 1kg
TTAC-FL-EFLUSH-250	Solvent, Flushing, EcoFlush, Drum, 250kg
TTAC-FL-EFLUSH-5	Solvent, Flushing, EcoFlush, Tin, 5kg
TTAC-ET-AUTOPURE	Cleaner, Treatment, Odour, Autopure
TTAC-O3-ALKALINE D	O3 Alkaline D Coil Cleaner 5L - Dilute as required
TTAC-O3-BIODEGREASER	Multi Purpose Cleaner/Degreaser 5L - Dilute as required
TTAC-O3-GREEN	O3 Green Coil Cleaner 5L - Dilute As required
TTAC-O3-SMARTAIR	O3 Smartair Filter/Unit Cleaner 5L
TTAC-O3-SMARTFINISH	O3 Smartfinish Filter/Unit Cleaner 5L
TTAC-TECTYL-CLEAR	Tectyl Transparent [Clear] Spray - Corrosion Prevention Compound



Domestic Airconditioners: Avalanche Constant Speed

ITEM	DESCRIPTION & SPECIFICATION
AVL-BRZ-9IN	Airconditioner, Avalanche, Midwall Split, Constant Speed, Indoor, 9000 BTU, R410A, 220V, Heating & Cooling
AVL-BRZ-9OUT	Airconditioner, Avalanche, Midwall Split, Constant Speed, Outdoor, 9000 BTU, R410A, 220V, Heating & Cooling
AVL-BRZ-12IN	Airconditioner, Avalanche, Midwall Split, Constant Speed, Indoor, 12000 BTU, R410A, 220V, Heating & Cooling
AVL-BRZ-12OUT	Airconditioner, Avalanche, Midwall Split, Constant Speed, Outdoor, 12000 BTU, R410A, 220V, Heating & Cooling
AVL-BRZ-18IN	Airconditioner, Avalanche, Midwall Split, Constant Speed, Indoor, 18000 BTU, R410A, 220V, Heating & Cooling
AVL-BRZ-18OUT	Airconditioner, Avalanche, Midwall Split, Constant Speed, Outdoor, 18000 BTU, R410A, 220V, Heating & Cooling
AVL-BRZ-24IN	Airconditioner, Avalanche, Midwall Split, Constant Speed, Indoor, 24000 BTU, R410A, 220V, Heating & Cooling
AVL-BRZ-24OUT	Airconditioner, Avalanche, Midwall Split, Constant Speed, Outdoor, 24000 BTU, R410A, 220V, Heating & Cooling
AVL-BRZ-30IN	Airconditioner, Avalanche, Midwall Split, Constant Speed, Indoor, 30000 BTU, R410A, 220V, Heating & Cooling
AVL-BRZ-30OUT	Airconditioner, Avalanche, Midwall Split, Constant Speed, Outdoor, 30000 BTU, R410A, 220V, Heating & Cooling

Domestic Airconditioners: Kuhl Constant Speed

ITEM	DESCRIPTION & SPECIFICATION
KUHL-MWS-9IN	Airconditioner, Kuhl, Midwall Split, Constant Speed, Indoor, 9,000 BTU, R410A, 220 VAC, Heating & Cooling
KUHL-MWS-9OUT	Airconditioner, Kuhl, Midwall Split, Constant Speed, Outdoor, 9,000 BTU, R410A, 220 VAC, Heating & Cooling
KUHL-MWS-12IN	Airconditioner, Kuhl, Midwall Split, Constant Speed, Indoor, 12,000 BTU, R410A, 220 VAC, Heating & Cooling
KUHL-MWS-12OUT	Airconditioner, Kuhl, Midwall Split, Constant Speed, Outdoor, 12,000 BTU, R410A, 220 VAC, Heating & Cooling
KUHL-MWS-18IN	Airconditioner, Kuhl, Midwall Split, Constant Speed, Indoor, 18,000 BTU, R410A, 220 VAC, Heating & Cooling
KUHL-MWS-18OUT	Airconditioner, Kuhl, Midwall Split, Constant Speed, Outdoor, 18,000 BTU, R410A, 220 VAC, Heating & Cooling
KUHL-MWS-24IN	Airconditioner, Kuhl, Midwall Split, Constant Speed, Indoor, 24,000 BTU, R410A, 220 VAC, Heating & Cooling
KUHL-MWS-24OUT	Airconditioner, Kuhl, Midwall Split, Constant Speed, Outdoor, 24,000 BTU, R410A, 220 VAC, Heating & Cooling



Domestic Airconditioners: York Constant Speed

ITEM	DESCRIPTION & SPECIFICATION
YRK-CON-09	Airconditioner, York, Console, Constant Speed, Intergrated, 9000 BTU, R410A, 220V, Heating & Cooling
YRK-CON-13	Airconditioner, York, Console, Constant Speed, Intergrated, 13000 BTU, R410A, 220V, Heating & Cooling
YRK-CON-15	Airconditioner, York, Console, Constant Speed, Intergrated, 15000 BTU, R410A, 220V, Heating & Cooling
YRK-LHGE09ZE-IN	Airconditioner, LuxAir, Hi Wall Split, Constant Speed, Indoor, 9,000 BTU, R410A, 220V, Heating & Cooling
YRK-LHGE09ZE-OUT	Airconditioner, LuxAir, Hi Wall Split, Constant Speed, Outdoor, 9,000 BTU, R410A, 220V, Heating & Cooling
YRK-LHGE12ZE-IN	Airconditioner, LuxAir, Hi Wall Split, Constant Speed, Indoor, 12,000 BTU, R410A, 220V, Heating & Cooling
YRK-LHGE12ZE-OUT	Airconditioner, LuxAir, Hi Wall Split, Constant Speed, Outdoor, 12,000 BTU, R410A, 220V, Heating & Cooling
YRK-LHGE18ZE-IN	Airconditioner, LuxAir, Hi Wall Split, Constant Speed, Indoor, 18,000 BTU, R410A, 220V, Heating & Cooling
YRK-LHGE18ZE-OUT	Airconditioner, LuxAir, Hi Wall Split, Constant Speed, Outdoor, 18,000 BTU, R410A, 220V, Heating & Cooling
YRK-LHGE24ZE-IN	Airconditioner, LuxAir, Hi Wall Split, Constant Speed, Indoor, 24,000 BTU, R410A, 220V, Heating & Cooling
YRK-LHGE24ZE-OUT	Airconditioner, LuxAir, Hi Wall Split, Constant Speed, Outdoor, 24,000 BTU, R410A, 220V, Heating & Cooling
YRK-YHGE09-IN-EER	Airconditioner, York, Hi Wall Split, Constant Speed, Indoor, 9000 BTU, R410A, 220V, Heating & Cooling, EER
YRK-YHGE09-OUT-EER	Airconditioner, York, Hi Wall Split, Constant Speed, Outdoor, 9000 BTU, R410A, 220V, Heating & Cooling, EER
YRK-YHGE12-IN-EER	Airconditioner, York, Hi Wall Split, Constant Speed, Indoor, 12000 BTU, R410A, 220V, Heating & Cooling, EER
YRK-YHGE12-OUT-EER	Airconditioner, York, Hi Wall Split, Constant Speed, Outdoor, 12000 BTU, R410A, 220V, Heating & Cooling, EER
YRK-YHGE18-IN-EER	Airconditioner, York, Hi Wall Split, Constant Speed, Indoor, 18000 BTU, R410A, 220V, Heating & Cooling, EER
YRK-YHGE18-OUT-EER	Airconditioner, York, Hi Wall Split, Constant Speed, Outdoor, 18000 BTU, R410A, 220V, Heating & Cooling, EER
YRK-YHGE24-IN-EER	Airconditioner, York, Hi Wall Split, Constant Speed, Indoor, 24000 BTU, R410A, 220V, Heating & Cooling, EER
YRK-YHGE30-IN-EER	Airconditioner, York, Hi Wall Split, Constant Speed, Indoor, 30000 BTU, R410A, 220V, Heating & Cooling
YRK-YHGE30-OUT-EER	Airconditioner, York, Hi Wall Split, Constant Speed, Outdoor, 30000 BTU, R410A, 220V, Heating & Cooling
YRK-YHGE36-IN-EER	Airconditioner, York, Hi Wall Split, Constant Speed, Indoor, 36000 BTU, R410A, 220V, Heating & Cooling
YRK-YHGE36-OUT-EER	Airconditioner, York, Hi Wall Split, Constant Speed, Outdoor, 36000 BTU, R410A, 220V, Heating & Cooling
YRK-CAS-12-IN	Airconditioner, York, Cassette, Constant Speed, Indoor, 12000 BTU, R410A, 220V, Heating & Cooling
YRK-CAS-12-OUT	Airconditioner, York, Cassette, Constant Speed, Outdoor, 12000 BTU, R410A, 220V, Heating & Cooling
YRK-CAS-18-IN	Airconditioner, York, Cassette, Constant Speed, Indoor, 18000 BTU, R410A, 220V, Heating & Cooling
YRK-CAS-18-OUT	Airconditioner, York, Cassette, Constant Speed, Outdoor, 18000 BTU, R410A, 220V, Heating & Cooling
YRK-CAS-24-IN	Airconditioner, York, Cassette, Constant Speed, Indoor, 24000 BTU, R410A, 220V, Heating & Cooling
YRK-CAS-24-OUT	Airconditioner, York, Cassette, Constant Speed, Outdoor, 24000 BTU, R410A, 220V, Heating & Cooling
YRK-CAS-36-IN	Airconditioner, York, Cassette, Constant Speed, Indoor, 36000 BTU, R410A, 220V, Heating & Cooling
YRK-CAS-36-OUT	Airconditioner, York, Cassette, Constant Speed, Outdoor, 36000 BTU, R410A, 220V, Heating & Cooling
YRK-CAS-48-IN	Airconditioner, York, Cassette, Constant Speed, Indoor, 48000 BTU, R410A, 380V, Heating & Cooling
YRK-CAS-48-OUT	Airconditioner, York, Cassette, Constant Speed, Outdoor, 48000 BTU, R410A, 380V, Heating & Cooling
YRK-CAS-55-IN	Airconditioner, York, Cassette, Constant Speed, Indoor, 55000 BTU, R410A, 380V, Heating & Cooling
YRK-CAS-55-OUT	Airconditioner, York, Cassette, Constant Speed, Outdoor, 55000 BTU, R410A, 380V, Heating & Cooling
YRK-DUC-18-IN	Airconditioner, York, Ducted, Constant Speed, Indoor, 18000 BTU, R410A, 220V, Heating & Cooling
YRK-DUC-18-OUT	Airconditioner, York, Ducted, Constant Speed, Outdoor, 18000 BTU, R410A, 220V, Heating & Cooling
YRK-DUC-24-IN	Airconditioner, York, Ducted, Constant Speed, Indoor, 24000 BTU, R410A, 220V, Heating & Cooling
YRK-DUC-24-OUT	Airconditioner, York, Ducted, Constant Speed, Outdoor, 24000 BTU, R410A, 220V, Heating & Cooling
YRK-DUC-36-IN	Airconditioner, York, Ducted, Constant Speed, Indoor, 36000 BTU, R410A, 220V, Heating & Cooling
YRK-DUC-36-OUT	Airconditioner, York, Ducted, Constant Speed, Outdoor, 36000 BTU, R410A, 220V, Heating & Cooling
YRK-DUC-48-IN	Airconditioner, York, Ducted, Constant Speed, Indoor, 48000 BTU, R410A, 380V, Heating & Cooling
YRK-DUC-48-OUT	Airconditioner, York, Ducted, Constant Speed, Outdoor, 48000 BTU, R410A, 380V, Heating & Cooling
YRK-DUC-55-IN	Airconditioner, York, Ducted, Constant Speed, Indoor, 55000 BTU, R410A, 380V, Heating & Cooling
YRK-DUC-55-OUT	Airconditioner, York, Ducted, Constant Speed, Outdoor, 55000 BTU, R410A, 380V, Heating & Cooling
YRK-DUC-96-IN	Airconditioner, York, Ducted, Constant Speed, Indoor, 96000 BTU, R410A, 380V, Heating & Cooling
YRK-DUC-96-OUT	Airconditioner, York, Ducted, Constant Speed, Outdoor, 96000 BTU, R410A, 380V, Heating & Cooling
YRK-FLRCEI-18-IN	Airconditioner, York, Floor Ceiling, Constant Speed, Indoor, 18000 BTU, R410A, 220V, Heating & Cooling
YRK-FLRCEI-18-OUT	Airconditioner, York, Floor Ceiling, Constant Speed, Outdoor, 18000 BTU, R410A, 220V, Heating & Cooling
YRK-FLRCEI-24-IN	Airconditioner, York, Floor Ceiling, Constant Speed, Indoor, 24000 BTU, R410A, 220V, Heating & Cooling
YRK-FLRCEI-24-OUT	Airconditioner, York, Floor Ceiling, Constant Speed, Outdoor, 24000 BTU, R410A, 220V, Heating & Cooling
YRK-FLRCEI-36-IN	Airconditioner, York, Floor Ceiling, Constant Speed, Indoor, 36000 BTU, R410A, 220V, Heating & Cooling
YRK-FLRCEI-36-OUT	Airconditioner, York, Floor Ceiling, Constant Speed, Outdoor, 36000 BTU, R410A, 220V, Heating & Cooling
YRK-FLRCEI-48-IN	Airconditioner, York, Floor Ceiling, Constant Speed, Indoor, 48000 BTU, R410A, 380V, Heating & Cooling
YRK-FLRCEI-48-OUT	Airconditioner, York, Floor Ceiling, Constant Speed, Outdoor, 48000 BTU, R410A, 380V, Heating & Cooling
YRK-FLRCEI-55-IN	Airconditioner, York, Floor Ceiling, Constant Speed, Indoor, 55000 BTU, R410A, 380V, Heating & Cooling
YRK-FLRCEI-55-OUT	Airconditioner, York, Floor Ceiling, Constant Speed, Outdoor, 55000 BTU, R410A, 380V, Heating & Cooling



Domestic Airconditioners: York Inverter

ITEM	DESCRIPTION & SPECIFICATION
YRK-CON-09-IV	Airconditioner, York, Console, Inverter, Intergrated, 9000 BTU, R410A, 220 V, Heating & Cooling
YRK-CON-13-IV	Airconditioner, York, Console, Inverter, Intergrated, 13000 BTU, R410A, 220 V, Heating & Cooling
YRK-CON-15-IV	Airconditioner, York, Console, Inverter, Intergrated, 15000 BTU, R410A, 220 V, Heating & Cooling
YRK-Y5HJXH009-IN-IV-EER	Airconditioner, York, Hi Wall Split, Inverter, Indoor, 9000 BTU, R410A, 220 V, Heating & Cooling, EER
YRK-Y5HJXH012-IN-IV-EER	Airconditioner, York, Hi Wall Split, Inverter, Indoor, 12000 BTU, R410A, 220 V, Heating & Cooling, EER
YRK-Y5HJXH018-IN-IV-EER	Airconditioner, York, Hi Wall Split, Inverter, Indoor, 18000 BTU, R410A, 220 V, Heating & Cooling, EER
YRK-Y5HJXH024-IN-IV-EER	Airconditioner, York, Hi Wall Split, Inverter, Indoor, 24000 BTU, R410A, 220 V, Heating & Cooling, EER
YRK-Y5HJXH030-IN-IV-EER	Airconditioner, York, Hi Wall Split, Inverter, Indoor, 30000 BTU, R410A, 220 V, Heating & Cooling, EER
YRK-Y5HJYH009-OUT-IV-EER	Airconditioner, York, Hi Wall Split, Inverter, Outdoor, 9000 BTU, R410A, 220 V, Heating & Cooling, EER
YRK-Y5HJYH012-OUT-IV-EER	Airconditioner, York, Hi Wall Split, Inverter, Outdoor, 12000 BTU, R410A, 220 V, Heating & Cooling, EER
YRK-Y5HJYH018-OUT-IV-EER	Airconditioner, York, Hi Wall Split, Inverter, Outdoor, 18000 BTU, R410A, 220 V, Heating & Cooling, EER
YRK-Y5HJYH024-OUT-IV-EER	Airconditioner, York, Hi Wall Split, Inverter, Outdoor, 24000 BTU, R410A, 220 V, Heating & Cooling, EER
YRK-Y5HJYH030-OUT-IV-EER	Airconditioner, York, Hi Wall Split, Inverter, Outdoor, 30000 BTU, R410A, 220 V, Heating & Cooling, EER
YRK-CAS-18-IN-IV	Airconditioner, York, Cassette, Inverter, Indoor, 18000 BTU, R410A, 220 V, Heating & Cooling
YRK-CAS-18-OUT-IV	Airconditioner, York, Cassette, Inverter, Outdoor, 18000 BTU, R410A, 220 V, Heating & Cooling
YRK-CAS-24-IN-IV	Airconditioner, York, Cassette, Inverter, Indoor, 24000 BTU, R410A, 220 V, Heating & Cooling
YRK-CAS-24-OUT-IV	Airconditioner, York, Cassette, Inverter, Outdoor, 24000 BTU, R410A, 220 V, Heating & Cooling
YRK-CAS-36-IN-IV	Airconditioner, York, Cassette, Inverter, Indoor, 36000 BTU, R410A, 220 V, Heating & Cooling
YRK-CAS-36-OUT-IV	Airconditioner, York, Cassette, Inverter, Outdoor, 36000 BTU, R410A, 220 V, Heating & Cooling
YRK-CAS-48-IN-IV	Airconditioner, York, Cassette, Inverter, Indoor, 48000 BTU, R410A, 380 V, Heating & Cooling
YRK-CAS-48-OUT-IV	Airconditioner, York, Cassette, Inverter, Outdoor, 48000 BTU, R410A, 380 V, Heating & Cooling
YRK-CAS-55-IN-IV	Airconditioner, York, Cassette, Inverter, Indoor, 55000 BTU, R410A, 380 V, Heating & Cooling
YRK-CAS-55-OUT-IV	Airconditioner, York, Cassette, Inverter, Outdoor, 55000 BTU, R410A, 380 V, Heating & Cooling
YRK-DUC-18-IN-IV	Airconditioner, York, Ducted, Inverter, Indoor, 18000 BTU, R410A, 220 V, Heating & Cooling
YRK-DUC-18-OUT-IV	Airconditioner, York, Ducted, Inverter, Outdoor, 18000 BTU, R410A, 220 V, Heating & Cooling
YRK-DUC-24-IN-IV	Airconditioner, York, Ducted, Inverter, Indoor, 24000 BTU, R410A, 220 V, Heating & Cooling
YRK-DUC-24-OUT-IV	Airconditioner, York, Ducted, Inverter, Outdoor, 24000 BTU, R410A, 220 V, Heating & Cooling
YRK-DUC-36-IN-IV	Airconditioner, York, Ducted, Inverter, Indoor, 36000 BTU, R410A, 220 V, Heating & Cooling
YRK-DUC-36-OUT-IV	Airconditioner, York, Ducted, Inverter, Outdoor, 36000 BTU, R410A, 220 V, Heating & Cooling
YRK-DUC-48-IN-IV	Airconditioner, York, Ducted, Inverter, Indoor, 48000 BTU, R410A, 380 V, Heating & Cooling
YRK-DUC-48-OUT-IV	Airconditioner, York, Ducted, Inverter, Outdoor, 48000 BTU, R410A, 380 V, Heating & Cooling
YRK-DUC-55-IN-IV	Airconditioner, York, Ducted, Inverter, Indoor, 55000 BTU, R410A, 380 V, Heating & Cooling
YRK-DUC-55-OUT-IV	Airconditioner, York, Ducted, Inverter, Outdoor, 55000 BTU, R410A, 380 V, Heating & Cooling
YRK-DUC-96-IN-IV	Airconditioner, York, Ducted, Inverter, Indoor, 96000 BTU, R410A, 380 V, Heating & Cooling
YRK-DUC-96-OUT-IV	Airconditioner, York, Ducted, Inverter, Outdoor, 96000 BTU, R410A, 220 V, Heating & Cooling



Domestic Airconditioning: Spares & Components

ITEM	DESCRIPTION & SPECIFICATION
KIT-AC09-410-3M	Kit, Pipe, Domestic A/C, 1/4"[6.35mm]" x, 3/8", R410A, 9000 BTU
KIT-AC12/18-410-3M	Kit, Pipe, Domestic A/C, 1/4"[6.35mm]" x, 1/2", R410A, 12000/18000 BTU
KIT-AC24/32-410-3M	Kit, Pipe, Domestic A/C, 3/8"[9.53mm] x, 5/8", R410A, 24000/32000 BTU
TTAC-CANTI-450GALV	Brackets, Cantilever, Galvanised, 450mm, Pair, incl Fixing H/Ware
TTAC-CANTI-450PC	Brackets, Cantilever, Powder Coated, 450mm, Pair, incl Fixing H/Ware
TTAC-CANTI-450PC-CRB	Brackets, Cantilever, Powder Coated, Cross Bar Foldable, 450mm, 100kg, Pair, incl Fixing H/Ware
TTAC-CANTI-450PC-FL	Brackets, Cantilever, Powder Coated, Foldable, 450mm, 100kg, Pair, incl Fixing H/Ware
TTAC-CANTI-450PC-FLB	Brackets, Cantilever, Powder Coated, Flat Pack Econo, 450mm, Pair, incl Fixing H/Ware
TTAC-CANTI-450PC-NFL	Brackets, Cantilever, Powder Coated, Non Foldable, 450mm, 150kg, Pair, incl Fixing H/Ware
TTAC-CANTI-450PC-WLD	Brackets, Cantilever, Powder Coated, Welded, 450mm, 100kg, Pair, incl Fixing H/Ware
TTAC-CANTI-550PC-NFL	Brackets, Cantilever, Powder Coated, Non Foldable, 550mm, 150kg, Pair, incl Fixing H/Ware
TTAC-CANTI-550PC-WLD	Brackets, Cantilever, Powder Coated, Welded, 550mm, 200kg, Pair, incl Fixing H/Ware
TTAC-CANTI-600PC-CRB	Brackets, Cantilever, Powder Coated, Cross Bar Foldable, 650mm, 200kg, Pair, incl Fixing H/Ware
TTAC-CANTI-650GALV	Brackets, Cantilever, Galvanised, 650mm, Pair, incl Fixing H/Ware
TTAC-CANTI-650PC	Brackets, Cantilever, Powder Coated, 650mm, Pair, incl Fixing H/Ware
TTAC-CANTI-650PC-FL	Brackets, Cantilever, Powder Coated, Foldable, 650mm, 200kg, Pair, incl Fixing H/Ware
TTAC-CANTI-650PC-WLD	Brackets, Cantilever, Powder Coated, Welded, 650mm, 200kg, Pair, incl Fixing H/Ware
TTAC-BRACK-CNPY-920	Canopy, Condenser, Powder Coated, L x W x H, 920mm, 540mm, 280mm, Pair, incl Fixing H/Ware
TTAC-BRACK-DRIP-750	Tray, Drip, Powder Coated, L x W x H, 790mm, 350mm, 30mm
TTAC-BRACK-FOOT-1000	Mounting, Foot, Rubber Granule, Alu Alloy Adjustable Bolts, 1000mm, Pair
TTAC-BRACK-FOOT-250	Mounting, Foot, Rubber Granule, Alu Alloy Adjustable Bolts, 250mm, Pair
TTAC-BRACK-FOOT-450	Mounting, Foot, Rubber Granule, Alu Alloy Adjustable Bolts, 450mm, Pair
TTAC-BRACK-FOOT-600	Mounting, Foot, Rubber Granule, Alu Alloy Adjustable Bolts, 600mm, Pair
TTAC-BRACK-STND-1000	Stand, Floor, for A/C Condenser, L x W x H, 1000, 1300, incl 4 Granule Rubber Feet
TTAC-BRACK-STND-2000	Stand, Floor, for A/C Condenser, L x W x H, 2000, 1300, incl 6 Granule Rubber Feet
TTAC-BRACK-STND-3000	Stand, Floor, for A/C Condenser, L x W x H, 3000, 1300, incl 8 Granule Rubber Feet
TTAC-KIT-EXP-865	Kit, Fastener, Expansion Bolt
TTAC-KIT-M8	Kit, Fastener, 8 x Bolt, 6x55 x Nail in Anch, 8 x Spring Nut [M8], 8 x Washer, 4 x Exp Bolt
TTAC-KIT-NIA-655	Kit, Fastener, 6x55 x Nail in Anch
TTAC-KIT-SPN-M8	Kit, Fastener, 8 x Spring Nut [M8]
TTAC-KT-828N	Remote, Universal, Aircon, 2000 in 1
TTAC-KT-E03	Remote, Universal, Aircon, 4000 in 1
TTAC-RK-02B	Remote, Universal, incl PC Board, Standard
TTAC-RK-03C	Remote, Universal, incl PC Board, Auto Restart
TTAC-RK-04S	Sensor, Universal, for TTAC-RK-04M
TTAC-RK-CASS	Remote, Universal, incl PC Board, Cassettes , 5 Modes, incl Remote, Auto Restart
TTAC-RK-U12A	Display Board, LCD, Universal



Condensate Pumps

ITEM	DESCRIPTION & SPECIFICATION
PUMP-08	Pump, Condensate, 2m Suction Lift, 12m Discharge Head, 12 L/Hr
PUMP-08-CLIMDECO	Pump, Saniflow, Condensate, Clim Deco, 2m Suction Lift, 6m Discharge Head, 12 L/Hr, IP24
PUMP-08-CLIMMINI	Pump, Saniflow, Condensate, Clim Mini, 2m Suction Lift, 8m Discharge Head, 15L/Hr, IP20
PUMP-08-CLIMPACK	Pump, Saniflow, Condensate, Clim Pack, 2m Suction Lift, 8m Discharge Head, 15L/Hr, IP20
PUMP-08-MINI	Pump, Saniflow, Condensate, Red Rhino, 1m Suction Lift, 8m Discharge Head, 10 L/Hr
PUMP-08-MINIBOX	Pump, Condensate, Minibox, 2m Suction Lift, 12m Discharge Head, Up to 16kW/54,000BTU/HR
PUMP-08-MPC PUMP	Pump, Condensate, MPC Pump, 2m Suction Lift, 10m Discharge Head, Up to 16kW/54,000BTU/HR
PUMP-08-SLIMBOX	Pump, Condensate, Slimbox, 2m Suction Lift, 12m Discharge Head 16kW/54,000BTU/HR
PUMP-09	Pump, Saniflow, Condensate, 2m Suction Lift, 12m Discharge Head, 36 L/Hr
PUMP-09-001	Pump, Eckerle, Condensate, EE600-Red, 1,5m Suction Lift, 6m Discharge Head, 6 L/Hr
PUMP-09-002	Pump, Eckerle, Condensate, EE1000-Blue, 2,5m Suction Lift, 10m Discharge Head, 10 L/Hr
PUMP-09-003	Pump, Eckerle, Condensate, EE1200-White, Kit with Trunking, 1,5m Suction Lift, 6m Discharge Head, 8 L/Hr
PUMP-09-004	Pump, Eckerle, Condensate, EE1800-Yellow, 2,5m Suction Lift, 10m Discharge Head, 18 L/Hr
PUMP-09-005	Pump, Eckerle, Condensate, Pumpkin®10, 1,5m Suction Lift, 10m Discharge Head, 9 L/Hr
PUMP-09-MAXIBOX	Pump, Condensate, Maxibox, 2m Suction Lift, 12m Discharge Head 46kW/150,000BTU/HR
PUMP-09-MAXPUMP	Pump, Condensate, Maxpump, 2m Suction Lift, 12m Discharge Head 46kW/150,000BTU/HR
PUMP-09-MUTEWEDGE	Pump, Condensate, Mutewedge, 2m Suction Lift, 10m Discharge Head 46kW/150,000BTU/HR
PUMP-10	Pump, Saniflow, Condensate, Hide Away, 2m Suction Lift, 14
PUMP-12C	Pump, Condensate, 10m Suction Lift, 10m Discharge Head, 12 L/Hr
PUMP-35	Pump, Condensate, 4m Suction Lift, 4m Discharge Head, 125L/Hr
PUMP-CONDENSRO	Pump, Saniflow, Condensate, Condens Pro, 2m Suction Lift, 4.5m Discharge Head, 342 L/Hr, 2L Tank, IP20



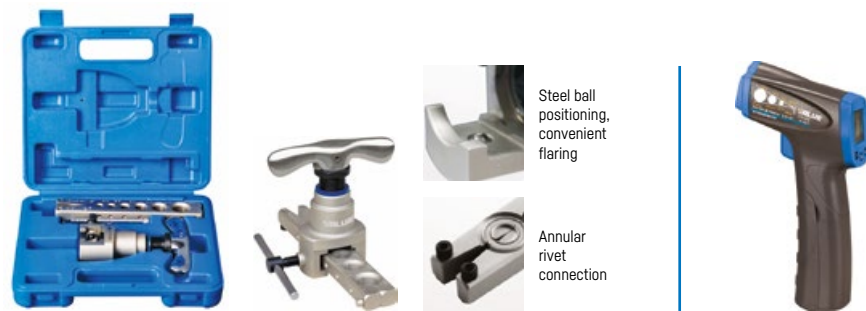
Refrigeration Tools: Value Tube Cutters

ITEM	DESCRIPTION & SPECIFICATION
DAN296177	Cutter, Value, Tube, Sweat to, 1 1/8"
TCVTC19	Cutter, Value, Tube, Sweat to, 3/4"
TCVTC32	Cutter, Value, Tube, Sweat to, 1 1/4"
TCVTC70	Cutter, Value, Tube, 1/4"(6.35mm)" to, 2 5/8"



Refrigeration Tools: Value Tube Expander & Tool Kit

ITEM	DESCRIPTION & SPECIFICATION
TTFS-VST-22	Expander, Value, Tube, Manual
TTFS-VTB-5B	Toolkit, Value, Manifold, Flaring, Cutter & Reamer, 1/4"[6.35mm]" to, 3/4"



Refrigeration Tools: Value Flaring Tool & Thermometer

ITEM	DESCRIPTION & SPECIFICATION
TTFS-808C-410	Tool, Value, Flaring
TTAC-VIT300	Thermometer, Value



Refrigeration Tools: Value Tube Expander & Cutter Tool Kits

ITEM	DESCRIPTION & SPECIFICATION
TTFS-808IE	Toolkit, Value, Tube, incl Tube Expander, 1/4"[6.35mm]" to, 3/4"
TTFS-808IS	Toolkit, Value, Tube, incl Tube Cutter, 1/4"[6.35mm]" to, 3/4"



1. Open the electrical scale



2. Place the refrigerant tank and clear the electrical scale



3. Enter the filling and recovery function, enter the net weight values of the refrigerant, and press Enter



4. When close to fixing weight of filling/recovery, electronic scale will alarm or automatic shut down the valve, and prompts the filling/recovery has been completed



5. After filling/recovery, stop the scale manually, and press Enter



FEATURES:

1. Anti-collision
2. The recovery/recycling weight can be set, convenient for operation
3. High precision valve, accuracy control, filling weight $\pm 20g$

Refrigeration Tools: Value Scale & Charging Station

ITEM	DESCRIPTION & SPECIFICATION
TTAC-ES-50A	Scale, Value, Charging, Prop kg
TTAC-ES-50B	Scale, Value, Charging, incl Solenoid, Prop kg
SCALE-VES100B	Scale, Value, Charging, incl Solenoid, 100 kg



FEATURES:

1. Integrated body structure
2. Enclosed switch



FEATURES:

1. Big sightglass for monitoring oil level
2. Forced oil cycling system

Refrigeration Tools: Value Vacuum Pumps

ITEM	DESCRIPTION & SPECIFICATION
TTVP-SV1.8CFM	Pump, Value, Vacuum, incl Solenoid Valve, incl Gauge, 1.8 CFM
TTVP-2.5CFM	Pump, Value, Vacuum, 2 Stage, 2.5 CFM



FEATURES:

1. High accuracy vacuum gauge shows system pressure
2. Automatic anti-backflow valve design
3. Integrated body structure



FEATURES:

1. Big sightglass for monitoring oil level
2. Forced oil cycling system

Refrigeration Tools: Value Vacuum Pumps

ITEM	DESCRIPTION & SPECIFICATION
TTVP-SV5CFM	Pump, Value, Vacuum, incl Solenoid Valve, incl Gauge, 5 CFM
TTVP-6CFM	Pump, Value, Vacuum, Electrical Protection, 6 CFM



- FEATURES:
1. Big sightglass for monitoring oil level
 2. High accuracy vacuum gauge shows system pressure



- FEATURES:
1. Smaller, lighter and more convenient only 4kg
 2. Big sightglass for monitoring oil level

Refrigeration Tools: Value Vacuum Pumps

ITEM	DESCRIPTION & SPECIFICATION
TTVP-8CFM	Pump, Value, Vacuum, 2 Stage, 8 CFM
TTVP-LW-15	Pump, Value, Vacuum, Light Wieght, 1.5 CFM, 4 kg



- TTVP-LW-1ACDC
FEATURES:
1. Smaller, lighter and more convenient only 4kg
 2. Both AC & DC can be operated



- TTVP-DC12V
FEATURES:
1. Smaller, lighter and more convenient only 4kg

Refrigeration Tools: Value Vacuum Pumps

ITEM	DESCRIPTION & SPECIFICATION
TTVP-LW-1ACDC	Pump, Value, Vacuum, Light Wieght, AC-DC Switchable, 1.0 CFM, 4 kg, R600a
TTVP-DC12V	Pump, Value, Vacuum, with Clamps, 2.5 CFM, 1/3 HP, 70 L/Min, 12 V
DAN296177	Cutter, Value, Tube, Sweat to, 1 1/8"
TCVTC19	Cutter, Value, Tube, Sweat to, 3/4"



- FEATURES:
1. Integrated cylinder structure
 2. Six air-inlet design
 3. Oil anti-sucking
 4. Internal forced oil cycling system, more reliable

Refrigeration Tools: Value Vacuum Pumps

ITEM	DESCRIPTION & SPECIFICATION
TTVP-12CFM	Pump, Value, Vacuum, on Trolley, 12 CFM, 6 Port



- FEATURES:
1. Start switch
 2. Oil-less input/output gauge
 3. Optional 80% over filled protection



Refrigeration Tools: Value Recovery Units & Gauges

ITEM	DESCRIPTION & SPECIFICATION
TTRU-VRR12C	Recovery Unit, Value, HP/LP, Oil Sep, 0.08 HP
TTRU-VRR12L	Recovery Unit, Value, HP Protector, Low Side HP
TTRU-VRR24C	Recovery Unit, Value
TTRU-VRR24L	Recovery Unit, Value
TTVG-A-001	Gauge, Value, Vacuum



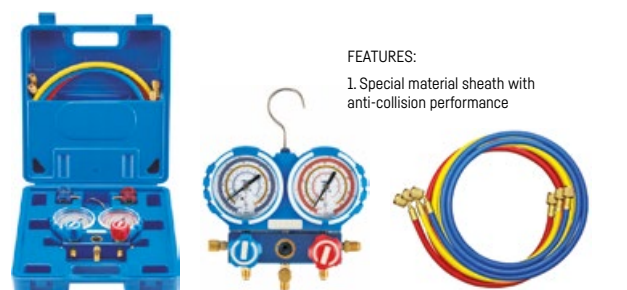
- FEATURES:
1. Metal embedded designed valve to increase strength

Refrigeration Tools: Value Gauge Sets

ITEM	DESCRIPTION & SPECIFICATION
TTAC 75V	Gauge Set, Value, Manifold, Cased, Anti-Collision, R410A, R134A, R22, R407C, incl 2 Adapters
TTAC 84V	Gauge Set, Value, Manifold, Cased, Anti-Collision, R134A, R22, R407C, R404A



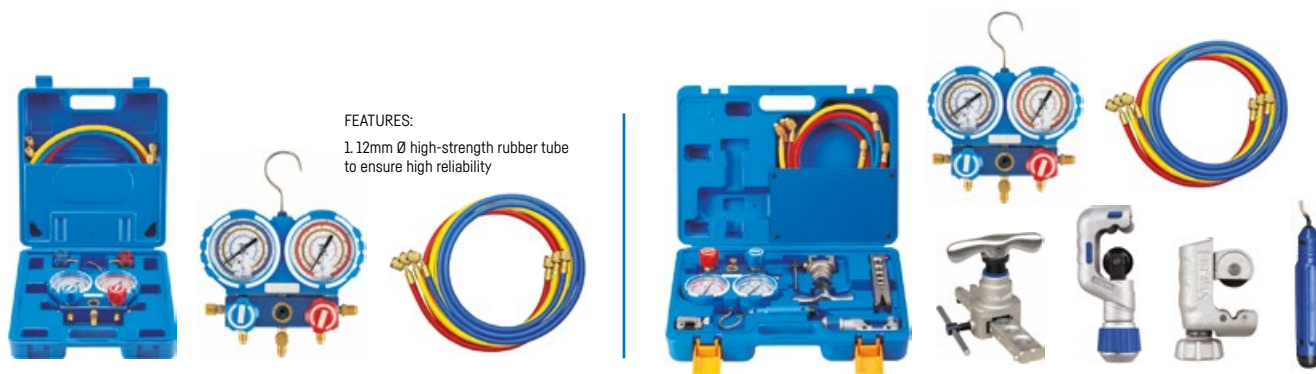
- FEATURES:
1. High precision pressure gauge with class 1.6 accuracy



- FEATURES:
1. Special material sheath with anti-collision performance

Refrigeration Tools: Value Gauge Sets

ITEM	DESCRIPTION & SPECIFICATION
TTAC-VDG-1	Gauge Digital, Value, Manifold, Cased, Anti-Collision, R410A, R134A, R22, R407C, R404A, R417A, All Gasses
TTAC-VMG-2-R134A	Gauge Set, Value, Manifold, Cased, incl Quick Couplers, R134A



FEATURES:
1. 12mm Ø high-strength rubber tube to ensure high reliability

Refrigeration Tools: Value Gauge Sets

ITEM	DESCRIPTION & SPECIFICATION
TTAC-VMG-2-R1234YF	Gauge Set, Value, Manifold, Cased, incl Quick Couplers, R1234YF
TTAC-5b-R410	Toolkit, Value, Gauges, Flaring, Hose, R410A



Refrigeration Tools: Value Gauges

ITEM	DESCRIPTION & SPECIFICATION
TTAC 102L	Gauge Single, Value, Manifold, Low Side, R410A, R134A, R22, R407C, R404A
TTAC 102H	Gauge Single, Value, Manifold, High Side, R410A, R134A, R22, R407C, R404A
TTAC-VDG-2S1	Manifold Gauge Set, Value, Digital, Double, 9 Gases, 1234yF
TTAC-VDG-S1	Manifold Gauge Set, Value, Digital, Single, 9 Gases, 1234yF/R410A



Refrigeration Tools: Value Meters

ITEM	DESCRIPTION & SPECIFICATION
TTAC-VDM151	Multimeter, Value, Digital, 200uF
TTAC-VDM-202	Multimeter, Value, Clamp, Digital, AC/DC, 600 VAC, 400 A
TTAC-VRM-371	Meter, Value, Speed, Rotating Airflow
TTTE-850	Meter, Value, Sound, 30-130 dB

Refrigeration Tools: Value Spares

ITEM	DESCRIPTION & SPECIFICATION
KNOB-L-BLUE-VAL	Gauge Spares, Value, Knob, Low-Side, Blue, All Gauges
KNOB-H-RED-VAL	Gauge Spares, Value, Knob, Hi-Side, Red, All Gauges
HOOK-GAUGE-001-VAL	Gauge Spares, Value, Hook, Single Gauges
HOOK-GAUGE-002-VAL	Gauge Spares, Value, Hook, Dbl Gauges
BODY-VALVE-001-VAL	Gauge Spares, Value, Body, Valve, Low-Side, Blue
BODY-VALVE-002-VAL	Gauge Spares, Value, Body, Valve, Hi-Side, Red
BODY-VALVE-003-VAL	Gauge Spares, Value, Body, Valve, TTAC 75V/85V/VMG2
COVER-GAUGE-001-VAL	Gauge Spares, Value, Protector, Cover, Single, Low Side Blue
COVER-GAUGE-002-VAL	Gauge Spares, Value, Protector, Cover, Single, Hi-Side Red
COVER-GAUGE-003-VAL	Gauge Spares, Value, Protector, Cover, Dbl, TTAC 75V/85V/VMG2
GAUGE-L-84V-VAL	Gauge Spares, Value, Gauge, Low Side, R22/134a/R404a/R407C, TTAC 85V
GAUGE-H-84V-VAL	Gauge Spares, Value, Gauge, High Side, R22/134a/R404a/R407C, TTAC 85V
GAUGE-L-75V-VAL	Gauge Spares, Value, Gauge, Low Side, R410A/R134a/R22/R407C, TTAC 75V
GAUGE-H-75V-VAL	Gauge Spares, Value, Gauge, High Side, R410A/R134a/R22/R407C, TTAC 75V
GAUGE-L-102-VAL	Gauge Spares, Value, Gauge, Low Side, R410A/R134a/R22/R407C, TTAC 102H
GAUGE-H-102-VAL	Gauge Spares, Value, Gauge, High Side, R410A/R134a/R22/R407C, TTAC 102L
GAUGE-L-R134A-VAL	Gauge Spares, Value, Gauge, Low Side, R134a, TTAC-VMG-2-R134a
GAUGE-H-R134A-VAL	Gauge Spares, Value, Gauge, High Side, R134a, TTAC-VMG-2-R134a
SIGHT-GLASS-VAL	Gauge Spares, Value, Gauges, Sight, Glass
BLADE 28/28B	Blade, Value, Replacement, VTC28/28B
BLADE VTC19	Blade, Value, Replacement, VTC19
BLADE VTC32/42	Blade, Value, Replacement, VTC32/42/70



Refrigeration Tools: Various

ITEM	DESCRIPTION & SPECIFICATION
TTIN-34-024	Injector, Dye & Oil, Screw In, 1/4" (6.35mm) Female Flare
TTIN-34-374	Injector, Dye & Oil, Valve, incl R134A Valve, 1/4" (6.35mm) Male Flare, 1/4" Female Flare
TTAC-OP-02	Pump, Oil, Foot Stand, Suction Hose, 250 Psi
TTAC-OP-04	Pump, Oil, Electrical, 90 ml/Stroke, 290 Psi
TTAC-OP-01	Drum, Oilpump
DAN296176	Cutter, Capillary Tube, All Sizes
DAN296178	Cutter, Tube
DAN296179	Cutter, Tube
DAN296179B	Blade, Tube Cutter, DAN296177/9
TTAC-5a-R22	Kit, Tool, Steel Case, Vacuum Pump, Cutter, Flare, R22
TTAC-5a-R410	Kit, Tool, Steel Case, Vacuum Pump, Cutter, Flare, R410A
TTPC-001	Cutter, Pipe - PVC, Manual, 1-5/8" (41.28mm), RTM-PC-201
TTPC-002	Cutter, Pipe - PVC, Manual, Heavy Duty, 1-5/8" (41.28mm), RTM-PC-205
TTPC-003	Cutter, Pipe - PVC, Manual, Heavy Duty, 2 1/2", RTM-PC-208
TTFS-100	Kit, Tool, Expander, Cutter, Reamer, 3/8" (9.53mm), 1/2", 5/8" 3/4" 7/8" 1 1/8", Heads
TTFS-278L	Kit, Tool, Flaring, Swaging, Cutting, 1/8" to, 3/4"
TTHC-201	Cutter, Hose, Manual



Refrigeration Tools: Various continued

ITEM	DESCRIPTION & SPECIFICATION
TTTC-206	Cutter, Tube, Hard Drawn, 3/8"(9.53mm) to, 2 5/8"
DAN297145	Bender, Spring, 5/8"(15.88mm)
DAN297146	Bender, Spring, 1/4"(6.35mm)"
DAN297148	Bender, Spring, 3/8"(9.53mm)
DAN297149	Bender, Spring, 1/2"(12.7mm)
DAN297150	Bender, Spring, 3/4"(19.05mm)
TTAC-FC-999	Bender, Set, 1/4"(6.35mm)", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8"
TTTB-12-180	Bender, Tube, 180 Deg, 1/2"(12.7mm)
TTTB-14-180	Bender, Tube, 180 Deg, 1/4"(6.35mm)"
TTTB-34-180	Bender, Tube, 180 Deg, 3/4"(19.05mm)
TTTB-368	Bender, Tube, 90 Deg, 3 in 1, 1/4"(6.35mm)", 5/16", 3/8"
TTTB-368-180	Bender, Tube, 180 Deg, 3 in 1, 1/4"(6.35mm)", 5/16", 3/8"
TTTB-38-180	Bender, Tube, 180 Deg, 3/8"(9.53mm)
TTTB-58-180	Bender, Tube, 180 Deg, 5/8"(15.88mm)
TTTB-78-180	Bender, Tube, 180 Deg, 7/8"(22.23mm)
TTFL-KIT	Kit, Flushing, Hand Held, Bottle & Hose
DAN297058	Hose, Charging, with Ball Valve, 1.5 m, 1/4" SAE Female
DAN297059	Hose, Charging, with Ball Valve, 1.5 m, 1/4" SAE Female
DAN297060	Hose, Charging, with Ball Valve, 1.5 m, 1/4" SAE Female
DAN297152	Inserts, Hose, Rubber, 6 Pce
DAN297153	Inserts, Hose, Rubber, 3 Pce, +Valve
DAN297049	Hose Set, Charging, R134A, Red/Yellow/Blue, 2 m, 1/2" Male, 1/2" Female
DAN297050	Hose Set, Charging, R134A, Red/Yellow/Blue, 2 m, 1/4" SAE Female
DAN297051	Hose Set, Charging, R410A, Red/Yellow/Blue, 1.5 m
DAN297052	Hose Set, Charging, Red/Yellow/Blue, 1.5 m, 1/4" SAE Female
DAN297061	Hose Set, Charging, R134A/R22, Red/Yellow/Blue, 1.2 m, 1/4" SAE Female
TTAC 79	Hose Set, Charging, with Ball Valve, Red/Yellow/Blue, 1/4" SAE Female, 5/16" Male
TTAC 82	Hose Set, Charging, 12, Red/Yellow/Blue, 2 m, 1/4" SAE Female
TTAC 85	Hose Set, Charging, 12, Red/Yellow/Blue, 5 m, 1/4" SAE Female
TTOR-007	Kit, O-Ring, Hose Gaskets R12/R134A - 1/4", R410A 5/16", 5 Sizes, 110 Pieces
TTAC-DY-007	Kit, UV Inspection Light, 1LED, in Case
TTAC-DY-008	Kit, UV Inspection Light, 21LED
TTFL-004	Kit, Flushing Adapters, for A/C
TTAC-200FRG	Gauge, P/Mnt, R22/R134A/R404A
TTAC 75	Gauge Set, Manifold, R410A, 1.8 m Hoses, 1/4" SAE Female, 3/8", Sight Glass
TTAC 90	Gauge Set, Manifold, R12/R22/R134A/R404, 2-Way, 2 m Hoses, 1/4" SAE Female, Sight Glass
TTAC-CC-75	Gauge Set, Manifold, R410A, Carry Case, 1.8 m Hoses, 1/4" SAE Female
TTAC-CC-84	Gauge Set, Manifold, R12/R22/R134A/R404, Carry Case, 1.8 m Hoses, 1/4" SAE Female, Shut off Valves
TTAC-CC-85	Gauge Set, Manifold, R12/R22/R134A/R404, Glycerine Filled, 1.8 m Hoses, 1/4" SAE Female, Ball Valve
TTAC 84	Gauge Set, Manifold, R12/R22/R134A/R404, Quick Couplers, 1.8 m Hoses, 1/4" SAE Female, Sight Glass
TTAC 51	Gauge, HP, R410A
TTAC 52	Gauge, LP, R410A
TTAC 76	Gauge, LP, Glycerine Filled, R12, R22, R134A
TTAC 77	Gauge, HP, Glycerine Filled, R12, R22, R134A
TTAC 91	Gauge, LP, R404, R507, R134A
TTAC 95	Gauge, LP, R22, R134A, R404A
TTAC 96	Gauge, HP, R22, R134A, R404A
TTAC-PGW-HP	Gauge, Elitech, HP, Pressure, Digital, Wireless -17.8 to 60°C, 0-800psi Multi-Refrigerants, Records with App IP65
TTAC-PGW-LP	Gauge, Elitech, LP, Pressure, Digital, Wireless -17.8 to 60°C, 0-600psi Multi-Refrigerants, Records with App IP65
TTAC 74	Thermometer, Dial, Pocket, 25mm Dial Face, -40/70 degC
DAN296180	Tool, Reamer, Inner/Outer
DBVTT-5	Tool, Value, Deburring
TTAC 80	Coupler, Quick, Low, R134A, incl TTAD-009 Adapter
TTAC 81	Coupler, Quick, High, R134A, incl TTAD-009 Adapter
TTAC-QC-12	Coupler, Quick, Set, R134A, R12
TTAC-FC-300	Kit, Tool, Tube Expander, FC-100, 3/8"(9.53mm) to, 1 1/8"



Refrigeration Tools: Various continued

ITEM	DESCRIPTION & SPECIFICATION
TTFS-100/118	Expander, Tube, Head, for TTFS-100, 1-1/8" [28.58mm]
TTFS-100/138	Expander, Tube, Head, for TTFS-100, 1-3/8" [34.93mm]
TTFS-100/158	Expander, Tube, Head, for TTFS-100, 1-5/8" [41.28mm]
TTFS-806A	Tool, Flaring, Manual, 7 Imp Sizes, 45 Deg
TTFS-275L	Tool, Swaging, 1/8" to, 3/4"
TTFS-808	Tool, Swaging, FC-808
TTAC-VR-134	Tool, Valve Core Remover, Under Pressure, Low and High Ports
TTAC-VR-312	Tool, Valve Core Remover, Under Pressure
TTAC-VR-410	Tool, Valve Core Remover, Under Pressure, VC12, 5/16"
TTCR-81290	Tool, Valve Core Remover, Universal, Double End Metal
TTVC-UN-KIT	Kit, Valve Core
TTTE-86	Meter, Humidity, & Temperature, 0-100% RH, -20/80 Deg
TTTE-FC-838	Multimeter, Digital
TTTE-81	Meter, Anemometer, & Temperature, Mini m/s km/h knots mph
TTTE-FC-2017	Multimeter, Clamp, 200/600 A
TTTE-FC-9030	Multimeter, Clamp, 20/200/600 A
TTFC-352	Comb, Fin, Metal
TTFC-351	Comb, Fin, Plastic
TTUV-SG-001	Goggles, Safety, Yellow
DAN1827011	Tool, Ratchet, 40deg Offset, 3/16", 1/4", 3/8", 5/16"
DAN182709	Tool, Ratchet, 5/16", 3/8"
DAN297181	Plier, Pinch off, 7"



Errecom products

ITEM	DESCRIPTION & SPECIFICATION
TTAD-029	Adapter, Errecom, Plastic, Flex, Connect to Errecom Cartridge, 1/4" SAE
TTAD-030	Adapter, Errecom, Plastic, Flex, Connect to Errecom Cartridge, 5/16" SAE, [R410A]
TTAD-031	Adapter, Errecom, Plastic, Straight, Connect to Errecom Cartridge, 1/4" SAE
TTAD-034	Adapter, Errecom, Plastic, Straight, Connect to Errecom Cartridge, 5/16" SAE, [R410A]
TTAD-14516	Adapter, Errecom, SAE, 1/4" - 5/16"
TTAC-SB-004	Additive, Errecom, Condensate Drain, Tablets, in Split and Fan Coil; No Biocide
TTRD-001	Additive, Errecom, Super Dry, Anti Moisture, for AC&R Systems
TTRD-002	Additive, Errecom, No-Acid, Neutraliser, for AC&R Systems, Cartridge, 12 ml, incl FLEX Adapters
TTAC-DY-REMOVER	Chemical, Errecom, Brilliant, Remover, Aerosol, 400 ml
TTAC-CT-001	Cleaner, Errecom, Coil, Effervescent Tablets
TTAC-SB-003	Cleaner, Errecom, Condenser Acid, Tablets 18, Dilute in 5L Water
TTAC-DY-012	Dye, Errecom, Brilliant, UV Leak Detector, 12x7.5 ml, 1/4", 5/16"
TTAC-DY-013	Dye, Errecom, Brilliant, UV Leak Detector, 60 ml, 1/4", 5/16"
TTAC-DY-014	Dye, Errecom, Brilliant, UV Leak Detector, 120 ml
TTAC-DY-005	Dye, Errecom, UV, Dispensing Bottle, 250 ml
TTAC-FL-001	Fluid, Errecom, Flushing, with Thread, 600 ml
TTAC-FL-002	Fluid, Errecom, with Cone, 600 ml
TTAC-FL-GUN-1	Gun, Errecom, Flushing, with Tank
TTAC-FL-GUN-2	Gun, Errecom, Flushing, used with Aerosol Can (Thread type)
TTIN-DY-001	Injector, Errecom, Dye & Oil, Refillable, Plastic, 50 ml, incl Flex Coupler for R134A
TTAC-DY-001	Kit, Errecom, Leak Detector, Injector, 9LED UV Torch, UV Glasses
TTIN-DY-004	Kit, Errecom, Adatt, 1/4"[6.35mm]" SAE, 5/16" SAE
TTAC-DY-010	Kit, UV Inspection Light, 9 LED, Anodised Metal Casing, incl Batteries & Goggles
TTAC-DY-015	Kit, Errecom, Leak Detection, Goggles, Injector with FLEX adapters, 1/4" x 5/16", Lamp, 250 ml Dye
TTVO-ISO68-1	Oil, Errecom, Vacuum Pump, POE68, 1L
TTAC-AT-001	Oil, Errecom, Acid Test, Compressor Oil, (PAG, POE, PAO, Mineral)
TTIN-DY-002	Quick Coupler, Errecom, Flex Hose, Sealant & Dye Injectors, R134A Systems
TTIN-DY-003	Quick Coupler, Errecom, No Hose, Sealant & Dye Injectors, R134A Systems
TTAC-SS-010	Sealant, Errecom, Tubetto, 50 ml, 1/4", 5/16"
TTAC-SS-011	Sealant, Errecom, Leak Stop, Extreme, Syringe Plastic, 6x 12ml w/ Straight Connections, 1/4" 5/16"
TTAC-SS-012	Sealant, Errecom, Leak Stop, Extreme, Syringe Plastic, 1x 30ml w/ Straight Connections, 1/4" 5/16"
TTAC-SS-013	Sealant, Errecom, Leak Stop, Extreme, Syringe Plastic, 2x 30ml w/ Straight Connections, 1/4" 5/16"
TTAC-SS-014	Sealant, Errecom, Leak Stop, Syringe Plastic, w/ Flex Coupler, 42 ml, 1/4", 5/16"
TTAC-SS-015	Sealant, Errecom, Leak Stop, Syringe Plastic, w/ Flex Coupler, 60 ml, 1/4", 5/16"
TTAC-SS-008	Stop Leak, Errecom, Cartdige, Extreme, with FLEX Coupler, 30 ml
TTAC-SS-016	Stop Leak, Errecom, Putti, External, for AC&R Systems
TTAC-SS-017	Stop Leak, Errecom, White, Extreme, Spec for R600-R290 Refrig Systems
TTAC-PRESSTEST-410	Tester, Errecom, Smart Pressure, R410A
TTAC-FL-GUN-2	Gun, Errecom, Flushing, used with Aerosol Can (Thread type)
TTAC-LT-001	Tool, Errecom, Gauge, Leak Testing, 1/4" SAE, [R410A]
TTAC-LT-002	Tool, Errecom, Gauge, Leak Testing, 5/16" SAE, [R410A]
TTAC-OILGUARD	Tool, Errecom, Guard, Oil, HVAC&R Version
TTAC-DY-004-REF	Trace, Errecom, Brilliant, 12x7.5 ml, 1/4", 5/16", SAE Flex Adapters
TTAC-DY-005-REF	Trace, Errecom, Brilliant, 60 ml, 1/4", 5/16", SAE Flex Adapters
TTAC-DY-011	Trace, Errecom, Brilliant, 120 ml



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