

TOTALINE



2020 Product Catalogue

www.Totaline.co.nz

WELCOME TO TOTALINE

Totaline is the internationally recognised name in H.V.A.C.R parts and accessories solution for our industry and our four New Zealand trade stores offer a wide array of options to assist you in finding the right item for the right price.

Our four showrooms in Auckland, Napier, Wellington and Christchurch service the entire country with next day delivery and stock with an ever widening selection of quality Air Conditioning and Refrigeration accessories at very competitive prices.

The focus of this 'Buyers Guide' is to provide an uncluttered presentation of the range of products we display and stock in our one-stop shops as well as other equipment that we can readily access via our immense global supply sourcing chain.

When compiling this guide we sought the opinion of our customers - and the overwhelming response was a request for a streamlined, easy to use, reference document to aid in accurate pricing and product selection.

An in-depth analysis of individual products (including specifications, technical data, suggested applications and instructions) can be found online at totaline.co.nz.

All product enclosed is supplied in accordance with AHI Carrier (NZ) Ltd's Terms and Conditions of Sale.

HOW TO USE THIS CATALOGUE

This catalogue covers Air Movement Products.

Please see our Carrier and Toshiba Air Conditioning pricing catalogues for the full range of air conditioning equipment and accessories available in New Zealand.

Use this in conjunction with our Technical CD's and the Carrier and Toshiba websites for maximum flexibility. Please keep checking our websites for new releases of products and technical updates.

Prices and specifications are subject to change without notice.

HOW TO ORDER

Call: 0800 800 218

Email: totaline.parts@ahi-carrier.co.nz

Fax: 0800 800 217

Mail: Private Bag 92128, Victoria Street West, Auckland 1142

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TOTALINE



Air Movement

X-POWER TITANIUM HI-WALL SYSTEM



Product Code		Operating Capacity Range (kW)		EER C.O.P (Rated)	Outdoor Temp Range (°C)	Dimensions H x W x D (mm)	Pipe Size (inch)	Pipe Max (m)		Weight (kg)	Maximum Current (A)
		Cool kW	Heat kW					Length Heights	Ch/less Length		
42QHB026N8	Indoor	2.5 (0.5 - 3.1)	3.1 (0.6 - 4.2)	4.63	C: -15~50	189 x 802 x 297	1/4	25	5	9	9.5
38QHB026N8	Outdoor			4.56	H: -15~30	333 x 800 x 554	3/8	10		33	
SYSTEM 53QHB026											
42QHB035N8	Indoor	3.5 (0.6 - 3.8)	3.9 (0.7 - 4.3)	4.17	C: -15~50	189 x 802 x 297	1/4	25	5	9	10.5
38QHB035N8	Outdoor			4.19	H: -15~30	333 x 800 x 554	1/2	25		33	
SYSTEM 53QHB035											
42QHB050N8	Indoor	5.1 (0.9 - 5.8)	5.9 (1.0 - 6.2)	4.08	C: -15~50	226 x 1080 x 335	1/4	30	5	13	15.5
38QHB050N8	Outdoor			3.81	H: -15~30	363 x 845 x 702	1/2	20		44	
SYSTEM 53QHB050											
42QHB070N8	Indoor	7.0 (1.5 - 8.0)	7.8 (1.8 - 8.6)	3.54	C: -15~50	226 x 1080 x 335	3/8	50	5	14	17.5
38QHB070N8	Outdoor			3.58	H: -15~30	363 x 845 x 702	5/8	25		53	
SYSTEM 53QHB070											
42QHB090N8	Indoor	9.0 (3.3 - 9.6)	9.7 (3.6 - 12.0)	3.46	C: -15~50	282 x 1259 x 362	3/8	50	5	20	19.5
38QHB090N8	Outdoor			3.59	H: -15~30	410 x 946 x 810	5/8	25		65	
SYSTEM 53QHB090											

R32



QHB026 to 070



QHB090

KITS

Part	Descriptions
HT-KIT2	2 Room Supply Heat Transfer Kit
HT-KIT3	3 Room Supply Heat Transfer Kit
DKIT-1 ROOM	Ducted 1 Room Kit
DKIT-3 ROOM	Ducted 3 Room Kit
DKIT-4ROOM	Ducted 4 Room Kit
PKIT-TOSHIBA 561	Toshiba Plenum Kit
PKIT-TOSHIBA 801	Toshiba Plenum Kit
PKIT-TOSHIBA 1101/1601	Toshiba Plenum Kit
PKIT-CARRIER 070	Carrier Plenum Kit
PKIT-CARRIER 090/100	Carrier Plenum Kit
PKIT-CARRIER 125/140	Carrier Plenum Kit

Ducted and Plenum Kits



NUDE PREMIUM CLIP FLEXIBLE DUCTING

Part	Descriptions
15016FNDD	125Ø Nude Premium Clip Flexible Ducting - 3 Metre
15014FNDD	125Ø Nude Premium Clip Flexible Ducting - 3 Metre
15017FNDD	150Ø Nude Premium Clip Flexible Ducting - 3 Metre
15018FNDD	200Ø Nude Premium Clip Flexible Ducting - 3 Metre
15019FNDD	250Ø Nude Premium Clip Flexible Ducting - 3 Metre
15020FNDD	300Ø Nude Premium Clip Flexible Ducting - 3 Metre
15021FNDD	350Ø Nude Premium Clip Flexible Ducting - 3 Metre
15022FNDD	400Ø Nude Premium Clip Flexible Ducting - 3 Metre
15023FNDD	450Ø Nude Premium Clip Flexible Ducting - 3 Metre
15024FNDD	500Ø Nude Premium Clip Flexible Ducting - 3 Metre

INSULATED WIRE CORE FLEXIBLE DUCTING

Part	Descriptions
TTL150C3M	150Ø Insulated Wire Core Flexible Ducting - 3 Metre
TTL200C3M	200Ø Insulated Wire Core Flexible Ducting - 3 Metre
TTL250C3M	250Ø Insulated Wire Core Flexible Ducting - 3 Metre
TTL300C3M	300Ø Insulated Wire Core Flexible Ducting - 3 Metre
TTL350C3M	350Ø Insulated Wire Core Flexible Ducting - 3 Metre
400C3M	400Ø Insulated Wire Core Flexible Ducting - 3 Metre
450C3M	450Ø Insulated Wire Core Flexible Ducting - 3 Metre
500C3M	500Ø Insulated Wire Core Flexible Ducting - 3 Metre
TTL150C6M	150Ø Insulated Wire Core Flexible Ducting - 6 Metre
TTL200C6M	200Ø Insulated Wire Core Flexible Ducting - 6 Metre
TTL250C6M	250Ø Insulated Wire Core Flexible Ducting - 6 Metre
TTL300C6M	300Ø Insulated Wire Core Flexible Ducting - 6 Metre
TTL350C6M	350Ø Insulated Wire Core Flexible Ducting - 6 Metre
400C6M	400Ø Insulated Wire Core Flexible Ducting - 6 Metre
450C6M	450Ø Insulated Wire Core Flexible Ducting - 6 Metre

NUDE WIRE CORE FLEXIBLE DUCTING

Part	Descriptions
100N3M	100Ø Nude Wire Core Flexible Ducting - 3 Metre
150N3M	150Ø Nude Wire Core Flexible Ducting - 3 Metre
200N3M	200Ø Nude Wire Core Flexible Ducting - 3 Metre
250N3M	250Ø Nude Wire Core Flexible Ducting - 3 Metre
300N3M	300Ø Nude Wire Core Flexible Ducting - 3 Metre
350N3M	350Ø Nude Wire Core Flexible Ducting - 3 Metre
400N3M	400Ø Nude Wire Core Flexible Ducting - 3 Metre
450N3M	450Ø Nude Wire Core Flexible Ducting - 3 Metre
500N3M	500Ø Nude Wire Core Flexible Ducting - 3 Metre
100N6M	100Ø Nude Wire Core Flexible Ducting - 6 Metre
150N6M	150Ø Nude Wire Core Flexible Ducting - 6 Metre
200N6M	200Ø Nude Wire Core Flexible Ducting - 6 Metre
250N6M	250Ø Nude Wire Core Flexible Ducting - 6 Metre
300N6M	300Ø Nude Wire Core Flexible Ducting - 6 Metre
350N6M	350Ø Nude Wire Core Flexible Ducting - 6 Metre
400N6M	400Ø Nude Wire Core Flexible Ducting - 6 Metre
450N6M	450Ø Nude Wire Core Flexible Ducting - 6 Metre
500N6M	500Ø Nude Wire Core Flexible Ducting - 6 Metre

NudeWire Core Flexible Ducting



Nude Premium Clip Flexible Ducting



INSULATED PREMIUM CLIP DUCTING

Part	Descriptions
15117CDT	100Ø Insulated Premium Clip Flexible Ducting - 3 Metre
15118CDT	125Ø Insulated Premium Clip Flexible Ducting - 3 Metre
15119CDT	150Ø Insulated Premium Clip Flexible Ducting - 3 Metre
15115CDT	175Ø Insulated Premium Clip Flexible Ducting - 3 Metre
15120CDT	200Ø Insulated Premium Clip Flexible Ducting - 3 Metre
15116CDT	225Ø Insulated Premium Clip Flexible Ducting - 3 Metre
15121CDT	250Ø Insulated Premium Clip Flexible Ducting - 3 Metre
15122CDT	300Ø Insulated Premium Clip Flexible Ducting - 3 Metre
15123CDT	350Ø Insulated Premium Clip Flexible Ducting - 3 Metre
15124CDT	400Ø Insulated Premium Clip Flexible Ducting - 3 Metre
15125CDT	450Ø Insulated Premium Clip Flexible Ducting - 3 Metre
15126CDT	500Ø Insulated Premium Clip Flexible Ducting - 3 Metre
15132CDT	150Ø Insulated Premium Clip Flexible Ducting - 6 Metre
15128CDT	200Ø Insulated Premium Clip Flexible Ducting - 6 Metre
15127CDT	250Ø Insulated Premium Clip Flexible Ducting - 6 Metre
15129CDT	300Ø Insulated Premium Clip Flexible Ducting - 6 Metre
15130CDT	350Ø Insulated Premium Clip Flexible Ducting - 6 Metre
15131CDT	400Ø Insulated Premium Clip Flexible Ducting - 6 Metre
308242	Duct Strap 915mm long - Duct size up to 250Ø
308243	Duct Strap 1220mm long - Duct size up to 350Ø

Insulated Premium Clip Ducting





STANDARD EGGCRATE GRILLES

Part	Descriptions
150150EC	150 x 150mm Standard Eggcrate Return Grille
200200EC	200 x 200mm Standard Eggcrate Return Grille
250250EC	250 x 250mm Standard Eggcrate Return Grille
300300EC	300 x 300mm Standard Eggcrate Return Grille
350350EC	350 x 350mm Standard Eggcrate Return Grille
400400EC	400 x 400mm Standard Eggcrate Return Grille
450450EC	450 x 450mm Standard Eggcrate Return Grille
500500EC	500 x 500mm Standard Eggcrate Return Grille
550550EC	550 x 550mm (T-Rail) Standard Eggcrate Return Grille

REMOVABLE EGGCRATE GRILLES

Part	Descriptions
150150REC	150 x 150mm Removable Eggcrate Return Grille
200200REC	200 x 200mm Removable Eggcrate Return Grille
250250REC	250 x 250mm Removable Eggcrate Return Grille
400400REC	400 x 400mm Removable Eggcrate Return Grille

NON-VISION EGGCRATE GRILLES

Part	Descriptions
150150NVEC	150 x 150mm Non-Vision Eggcrate Return Grille
200200NVEC	200 x 200mm Non-Vision Eggcrate Return Grille
250250NVEC	250 x 250mm Non-Vision Eggcrate Return Grille
300300NVEC	300 x 300mm Non-Vision Eggcrate Return Grille
400400NVEC	400 x 400mm Non-Vision Eggcrate Return Grille
500500NVEC	500 x 500mm Non-Vision Eggcrate Return Grille
550550NVEC	550 x 550mm Non-Vision Eggcrate Return Grille

OUTSIDE AIR LOUVRE

Part	Descriptions
AV150	Plastic Eggcrate Magnetically Secured Removable Core Grille
PFL100	Outside Air Louvre 100mm
PFL125	Outside Air Louvre 125mm
PFL150	Outside Air Louvre 150mm

LOUVRE RETURN GRILLE

Part	Descriptions
HC25-300300	300 x 300mm Louvre Return Grille
HC25-400400	400 x 400mm Louvre Return Grille

GRILLES

Part	Descriptions
200HRG/F	200 x 200mm Hinged Filtered Return Grille
250HRG/F	250 x 250mm Hinged Filtered Return Grille
400HRG/F	350 x 350mm Hinged Filtered Return Grille
HRG/F-400400	400 x 400mm Hinged Filtered Return Grille
450HRG/F	450 x 450mm Hinged Filtered Return Grille
600HRG/F	550 x 550mm (T Rail) Hinged Filtered Return Grille
HRGF-1150550	1150 x 550mm (T Rail) Hinged Filtered Return Grille
SAHV-300100	300 x 100mm Double Deflection Supply Grille
SAHV-300300	300 x 300mm Double Deflection Supply Grille
400/100SAHV	400 x 100mm Double Deflection Supply Grille
SAHV-400150	400 x 150mm Double Deflection Supply Grille
600/200SAHV	600 x 200mm Double Deflection Supply Grille
SAHV-500300	500 x 300mm Double Deflection Supply Grille

NON-VISION DOOR GRILLES

Part	Descriptions
300/300FGF-A	300 x 300mm Non-Vision Door Grille
500/100FGF-A	500 x 100mm Non-Vision Door Grille
500/150FGF-A	500 x 150mm Non-Vision Door Grille
500/200FGF-A	500 x 200mm Non-Vision Door Grille
500/300FGF-A	500 x 300mm Non-Vision Door Grille
500/400FGF-A	500 x 400mm Non-Vision Door Grille



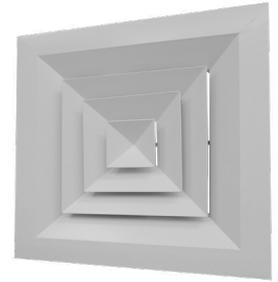
PFGS-W

GRILLES

Part	Descriptions
PFGS-RB	300 x 100mm neck ABS Floor Grille - Brown
PFGS-W	300 x 100mm neck ABS Floor Grille - White
PFGS-B	300 x 100mm neck ABS Floor Grille - Beige
PFGS-C	300 x 100mm neck ABS Floor Grille - Cream
PFGS-B350	350 x 150mm - Beige Floor Register
PFGS-S350	350 x 150mm - Slate Floor Register
CBA	300 x 100mm - Angled Floor Boot 150Ø
CBA-350	350 x 150mm - Angled Floor Boot 200Ø
OAL1-300300	300 x 300mm Outside Air Louvre

DIFFUSERS

Part	Description
ALCD150-4W	150 x 150mm Neck Aluminium Louvred Ceiling Diffuser
ALCD225-4W	225 x 225mm Neck Aluminium Louvred Ceiling Diffuser
ALCD300-4W	300 x 300mm Neck Aluminium Louvred Ceiling Diffuser
ALCD375-4W	375 x 375mm Neck Aluminium Louvred Ceiling Diffuser
ALCD450-4W-LF	450 x 450mm Neck Aluminium Louvred Ceiling Diffuser T-Rail
150-P-ALCDF	150 x 150mm Neck Aluminium Louvred Ceiling Diffuser In T-Rail Plaque
225-P-ALCDF	225 x 225mm Neck Aluminium Louvred Ceiling Diffuser In T-Rail Plaque
300-P-ALCDF	300 x 300mm Neck Aluminium Louvred Ceiling Diffuser In T-Rail Plaque
375-P-ALCDF	375 x 375mm Neck Aluminium Louvred Ceiling Diffuser In T-Rail Plaque
ALCD150-3W	3-Way 150 x 150mm Neck Aluminium Louvred Ceiling Diffuser
ALCD225-3W	3-Way 225 x 225mm Neck Aluminium Louvred Ceiling Diffuser
ALCD300-3W	3-Way 300 x 300mm Neck Aluminium Louvred Ceiling Diffuser
ALCD375-3W	3-Way 375 x 375mm Neck Aluminium Louvred Ceiling Diffuser
ALCD450-3W-LF	3-Way 450 x 450mm Neck Aluminium Louvred Ceiling Diffuser T-Rail
ALCD150-2W(OPP)	2-Way Opposite 150 x 150mm Neck Aluminium Louvred Ceiling Diffuser
ALCD225-2W(OPP)	2-Way Opposite 225 x 225mm Neck Aluminium Louvred Ceiling Diffuser



4-Way Diffuser



3-Way Diffuser



2-Way Diffuser

DIFFUSERS

Part	Description
ALCD300-2W(OPP)	2-Way Opposite 300 x 300mm Neck Aluminium Louvred Ceiling Diffuser
ALCD375-2W(OPP)	2-Way Opposite 375 x 375mm Neck Aluminium Louvred Ceiling Diffuser
ALCD450-2W(OPP)-LF	2-Way Opposite 450 x 450mm Neck Aluminium Louvred Ceiling Diffuser T-Rail
ALCD150-2W(CNR)	2-Way Corner 150 x 150mm Neck Aluminium Louvred Ceiling Diffuser
ALCD225-2W(CNR)	2-Way Corner 225 x 225mm Neck Aluminium Louvred Ceiling Diffuser
ALCD300-2W(CNR)	2-Way Corner 300 x 300mm Neck Aluminium Louvred Ceiling Diffuser
ALCD375-2W(CNR)	2-Way Corner 375 x 375mm Neck Aluminium Louvred Ceiling Diffuser
ALCD450-2W(CNR)-LF	2-Way Corner 450 x 450mm Neck Aluminium Louvred Ceiling Diffuser T-Rail
ALCD150-1W	1-Way 150 x 150mm Neck Aluminium Louvred Ceiling Diffuser
ALCD225-1W	1-Way 225 x 225mm Neck Aluminium Louvred Ceiling Diffuser
ALCD300-1W	1-Way 300 x 300mm Neck Aluminium Louvred Ceiling Diffuser
ALCD375-1W	1-Way 375 x 375mm Neck Aluminium Louvred Ceiling Diffuser
ALCD450-1W-LF	1-Way 450 x 450mm Neck Aluminium Louvred Ceiling Diffuser T-Rail
150PLAQUE	T-Rail Plaque
225PLAQUE	T-Rail Plaque
150-D-ALCD	150 x 150mm Opposed Blade Damper - Suit Supply Diffusers
225-D-ALCD	225 x 225mm Opposed Blade Damper - Suit Supply Diffusers



2-Way Diffuser



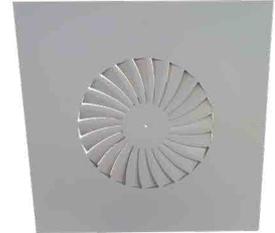
1-Way Diffuser



Opposed Blade Damper

DIFFUSERS

Part	Description
SD-B600/400	B Type Swirl 595cm ² - 400 Neck
SD-C600/24	C Type Swirl 595cm ² - 24 Slot
SD-C600/48	C Type Swirl 595cm ² - 48 Slot
8086GD	MDO Fixed 230 x 230mm
8087GD	MDO Adjustable 300 x 300mm
8088GD	MDO Adjustable 350 x 350mm
8089GD	MDO Fixed 400 x 400mm
8090GD	MDO Adjustable Diffuser 450 x 450mm
911	150mm Dia Round ABS Diffuser
912	200mm Dia Round ABS Diffuser
913	250mm Dia Round ABS Diffuser
914	300mm Dia Round ABS Diffuser
DOWNJET -150	150mm Dia Downjet ABS Diffuser
DOWNJET -200	200mm Dia Downjet ABS Diffuser
DOWNJET -250	250mm Dia Downjet ABS Diffuser
150150D	150 x 150mm Opposed Blade Damper - Suit Return Grilles
200200D	200 x 200mm Opposed Blade Damper - Suit Return Grilles
300300D	300 x 300mm Opposed Blade Damper - Suit Return Grilles
400400D	400 x 400mm Opposed Blade Damper - Suit Return Grilles
550550D	550 x 550mm Opposed Blade Damper - Suit Return Grilles
600200D	600 x 200mm Opposed Blade Damper For SAHV
400100D	400 x 100mm Opposed Blade Damper For SAHV



SD-B600/300



Round Abs Diffuser



Downjet-200



150150D

FANS

Part	Description
RCR150-A	Roof Centrifugal Fan 150mm
RCR200-B	Roof Centrifugal Fan 200mm
RCR200-C	Roof Centrifugal Fan 200mm
VA500	Heat Transfer Kit Speed Controller
VA700	Fan Speed Controller
SBD150-A3	Low Profile Centrifugal Fan 150mm
SBD200-A3	Low Profile Centrifugal Fan 200mm
MFP150	Mixjet Series Inline Mixed Flow 150mm
MFP200	Mixjet Series Inline Mixed Flow 200mm
MFP250	Mixjet Series Inline Mixed Flow 250mm
940	Filter Cassette
BEC150	Bathroom Extractor Centrifugal 150mm



AXC150



MFP200

CENTRIFUGAL FANS

Part	Description
ILC-130	150mm Ø Inline Axial Fan
ILC-150	150mm Ø Inline Centrifugal Fan
ILC-200	200mm Ø Inline Centrifugal Fan
ILC-250	250mm Ø Inline Centrifugal Fan



940



PLASTIC SQUARE TO ROUND ADAPTORS

Part	Description
150/150	150 x 150mm / 150mm Dia Neck Plastic Square To Round Adaptor
150/100	150 x 150mm / 100mm Dia Neck Plastic Square To Round Adaptor
200/200	200 x 200mm / 200mm Dia Neck Plastic Square To Round Adaptor
200/150	200 x 200mm / 150mm Dia Neck Plastic Square To Round Adaptor
225/200	225 x 225mm / 200mm Dia Neck Plastic Square To Round Adaptor
225/150	225 x 225mm / 150mm Dia Neck Plastic Square To Round Adaptor
225/100	225 x 225mm / 100mm Dia Neck Plastic Square To Round Adaptor
250/250	250 x 250mm / 250mm Dia Neck Plastic Square To Round Adaptor
250/200	250 x 250mm / 200mm Dia Neck Plastic Square To Round Adaptor
250/150	250 x 250mm / 150mm Dia Neck Plastic Square To Round Adaptor
250/100	250 x 250mm / 100mm Dia Neck Plastic Square To Round Adaptor
300/300	300 x 300mm / 300mm Dia Neck Plastic Square To Round Adaptor
300/250	300 x 300mm / 250mm Dia Neck Plastic Square To Round Adaptor
300/200	300 x 300mm / 200mm Dia Neck Plastic Square To Round Adaptor
300/150	300 x 300mm / 150mm Dia Neck Plastic Square To Round Adaptor

PLASTIC SQUARE TO ROUND ADAPTORS

Part	Description
350/350	350 x 350mm / 350mm Dia Neck Plastic Square To Round Adaptor
350/300	350 x 350mm / 300mm Dia Neck Plastic Square To Round Adaptor
350/250	350 x 350mm / 250mm Dia Neck Plastic Square To Round Adaptor
350/200	350 x 350mm / 200mm Dia Neck Plastic Square To Round Adaptor
350/150	350 x 350mm / 150mm Dia Neck Plastic Square To Round Adaptor
375/350	375 x 375mm / 350mm Dia Neck Plastic Square To Round Adaptor
375/300	375 x 375mm / 300mm Dia Neck Plastic Square To Round Adaptor
375/250	375 x 375mm / 250mm Dia Neck Plastic Square To Round Adaptor
375/200	375 x 375mm / 200mm Dia Neck Plastic Square To Round Adaptor
400/400	400 x 400mm / 400mm Dia Neck Plastic Square To Round Adaptor
400/350	400 x 400mm / 350mm Dia Neck Plastic Square To Round Adaptor
400/300	400 x 400mm / 300mm Dia Neck Plastic Square To Round Adaptor
400/250	400 x 400mm / 250mm Dia Neck Plastic Square To Round Adaptor
400/200	400 x 400mm / 200mm Dia Neck Plastic Square To Round Adaptor
450/450	450 x 450mm / 450mm Dia Neck Plastic Square To Round Adaptor
450/400	450 x 450mm / 400mm Dia Neck Plastic Square To Round Adaptor
450/350	450 x 450mm / 350mm Dia Neck Plastic Square To Round Adaptor

PLASTIC SQUARE TO ROUND ADAPTORS

Part	Description
450/300	450 x 450mm / 300mm Dia Neck Plastic Square To Round Adaptor
450/250	450 x 450mm / 250mm Dia Neck Plastic Square To Round Adaptor
450/200	450 x 450mm / 200mm Dia Neck Plastic Square To Round Adaptor
500/500	500 x 500mm / 500mm Dia Neck Plastic Square To Round Adaptor
500/450	500 x 500mm / 450mm Dia Neck Plastic Square To Round Adaptor
500/400	500 x 500mm / 400mm Dia Neck Plastic Square To Round Adaptor
500/350	500 x 500mm / 350mm Dia Neck Plastic Square To Round Adaptor
500/300	500 x 500mm / 300mm Dia Neck Plastic Square To Round Adaptor
500/250	500 x 500mm / 250mm Dia Neck Plastic Square To Round Adaptor
500/200	500 x 500mm / 200mm Dia Neck Plastic Square To Round Adaptor
550/550	550 x 550mm / 550mm Dia Neck Plastic Square To Round Adaptor
550/500	550 x 550mm / 500mm Dia Neck Plastic Square To Round Adaptor
550/450	550 x 550mm / 450mm Dia Neck Plastic Square To Round Adaptor
550/400	550 x 550mm / 400mm Dia Neck Plastic Square To Round Adaptor
550/350	550 x 550mm / 350mm Dia Neck Plastic Square To Round Adaptor
550/300	550 x 550mm / 300mm Dia Neck Plastic Square To Round Adaptor
550/250	550 x 550mm / 250mm Dia Neck Plastic Square To Round Adaptor
550/200	550 x 550mm / 200mm Dia Neck Plastic Square To Round Adaptor

DAMPERS

Part	Description
BMSDQ/100	100Ø Flanged Spigots with Quad Damper
BMSDQ/125	125Ø Flanged Spigots with Quad Damper
BMSDQ150/25	150Ø Flanged Spigots with Quad Damper
BMSDQ200/25	200Ø Flanged Spigots with Quad Damper
BMSDQ/225	225Ø Flanged Spigots with Quad Damper
BMSDQ250/25	250Ø Flanged Spigots with Quad Damper
BMSDQ300/25	300Ø Flanged Spigots with Quad Damper
BMSDQ/350	350Ø Flanged Spigots with Quad Damper
150BD	150Ø Balancng Damper With Quadrant Damper
200BD	200Ø Balancng Damper With Quadrant Damper
250BD	250Ø Balancng Damper With Quadrant Damper
300BD	300Ø Balancng Damper With Quadrant Damper
350BD	350Ø Balancng Damper With Quadrant Damper
400BD	400Ø Balancng Damper With Quadrant Damper
BMS200/25	200Ø Bell Mouthed Spigot
BMS/225	225Ø Bell Mouthed Spigot
BMS/250	250Ø Bell Mouthed Spigot
BMS300/25	300Ø Bell Mouthed Spigot
2041DT	125Ø Metal Duct Joiner
2042DT	150Ø Metal Duct Joiner
2043DT	200Ø Metal Duct Joiner
2044DT	250Ø Metal Duct Joiner
2045DT	300Ø Metal Duct Joiner
2046DT	350Ø Metal Duct Joiner
2047DT	400Ø Metal Duct Joiner
2048DT	450Ø Metal Duct Joiner
2049DT	500Ø Metal Duct Joiner



Flanged Spigots with Quad Damper



Balancing Damper with Quad Damper



Bell Mouthed Spigot



Metal Duct Joiner

DAMPERS

Part	Description
SAB 100	100mm 90 degree Adjustable Bend Galv
SAB 150	150mm 90 degree Adjustable Bend Galv
SAB 200	200mm 90 degree Adjustable Bend Galv
SAB 250	250mm 90 degree Adjustable Bend Galv
SAB 300	300mm 90 degree Adjustable Bend Galv
SAB 400	400mm 90 degree Adjustable Bend Galv
PMD150	150Ø Plastic Motorised Damper - Metal Blade
PMD200	200Ø Plastic Motorised Damper - Metal Blade
PMD250	250Ø Plastic Motorised Damper - Metal Blade
PMD300	300Ø Plastic Motorised Damper - Metal Blade
PMD350	350Ø Plastic Motorised Damper - Metal Blade



Madonna Cowl Hat

COWLS/FLASHING/REDUCERS/BRANCHES

Part	Description
MC-100	100mm Ø Cowl
MC-125	125mm Ø Madonna Cowl Hat
MC-150	150mm Ø Cowl
MC-200	200mm Ø Cowl
MC-250	250mm Ø Cowl
MC-300	300mm Ø Cowl
MC-T100	100mm Ø Cowl Tube - 600mm Long
MC-T125	125mm Ø Madonna Cowl Tube
MC-T150	150mm Ø Cowl Tube - 600mm Long
MC-T200	200mm Ø Cowl Tube - 600mm Long
MC-T250	250mm Ø Cowl Tube - 600mm Long
MC-T300	300mm Ø Cowl Tube - 600mm Long
DFE103B	Flashing To Suit 100mm Ø Tube
DFE104B	Flashing To Suit 150mm Ø Tube
DFE106B	Flashing To Suit 200mm Ø Tube
DFE107B	Flashing To Suit 250-300mm Ø Tube



Cowl Tube



Flashing

COWLS/FLASHING/REDUCERS/BRANCHES

Part	Description
SPF5080	Springseal 50-80mm Ø Flashing
SPFZ2070	Springseal Zip 20-70mm Ø Flashing
REDUCER1	200-150mm Ø ABS Duct Reducer
REDUCER2	250-200mm Ø ABS Duct Reducer
REDUCER3	300-250mm Ø ABS Duct Reducer
REDUCER4	350-300mm Ø ABS Duct Reducer
REDUCER5	400-350mm Ø Duct Reducers
150-150-150	150-150-150mm Y Branch
Y1	200, 150, 150mm Ø ABS Y-Branch Uninsulated
Y2	250-200, 200-150, 200-150mm Ø ABS Y-Branch Uninsulated
Y3	300-200, 250-200, 250-200mm Ø ABS Y-Branch Uninsulated
Y4	350-300, 300-250, 350-300mm Ø ABS Y-Branch Uninsulated
Y5	400-350, 350-300, 350-300mm Ø ABS Y-Branch Uninsulated
Y7	500-450, 450-400, 450-400-350mm Ø ABS Y-Branch Uninsulated
200-150-150-150	200-150-150-150mm Ø 4 Way Splitter
250-150-150-150	250-150-150-150mm Ø 4 Way Splitter
Y1-I	200, 150, 150mm Ø ABS Y-Branch INSULATED
Y2-I	250-200, 200-150, 200-150mm Ø ABS Y-Branch INSULATED
Y3-I	300-250, 250-200, 250-200mm Ø ABS Y-Branch INSULATED
Y4-I	350-300, 300-250, 350-300mm Ø ABS Y-Branch INSULATED
Y5-I	400-350, 350-300, 350-300mm Ø ABS Y-Branch INSULATED



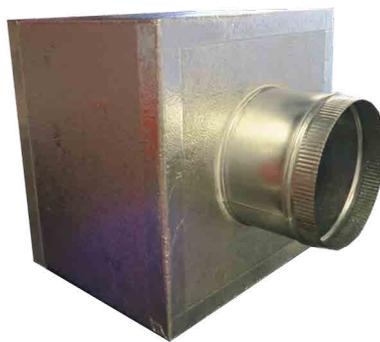
Abs Duct Reducer



Y-Branch

SIDE ENTRY BOXES

Part	Description
672	225 x 225mm / 200mm Ø Neck Insulated Side Entry Box
673	225 x 225mm / 150mm Ø Neck Insulated Side Entry Box
674	300 x 300mm / 300mm Ø Neck Insulated Side Entry Box
675	300 x 300mm / 250mm Ø Neck Insulated Side Entry Box
677	300 x 300mm / 150mm Ø Neck Insulated Side Entry Box
687	400 x 400mm / 300mm Ø Neck Insulated Side Entry Box
688	400 x 400mm / 350mm Ø Neck Insulated Side Entry Box
690	550 x 550mm / 350mm Ø Neck Insulated Side Entry Box
691	550 x 550mm / 200mm Ø Neck Insulated Side Entry Box



Side Entry Box

TOTALINE



AC Install

75MM CAPPING

Part	Descriptions
TTLD7	Pipe Duct 75mm 2m
TTLWA7	Wall Inlet 1 Piece 75
TTLW7	Wall Inlet 75
TTLK7	Flat 90 Elbow 75
TTLC7	90 Deg Corner 75
TTLP7	Ceiling Cap 75
TTLKF7	Flat 45 Elbow 75
TTLJ7	Duct Joiner 75
TTLE7	End Cover 75
TTLCA7	Wall Plate 2 Piece 75
TTLF710	Flexi Joint 75 x 100
TTLF75	Flexi Joint 75 x 500



TTLJ7



TTLP7



TTLC7



TTLW7



TTLF7



TTKF7



TTK7

100MM CAPPING

Part	Descriptions
TTLD10	Pipe Duct 100mm 2m
TTLWA10	Wall Inlet 100 1 Piece
TTLW10	Wall Inlet 100
TTLK10	Flat 90 Elbow 100
TTLC10	90 Deg Corner Elbow 100
TTLP10	Ceiling Cap 100
TTLKF10	Flat 45 Elbow 100
TTLJ10	Duct Joiner 100
TTLE10	End Cover 100
TTLDR107	Reducer 100-75
TTLT107	Tee Joint 100/75
TTLCA10	Wall Plate 2 Piece 100
TTLF108	Flexi Joint 100 x 800

PVC DRAIN PIPING & FITTINGS

Part	Descriptions
2122015	15mm PVC Barrel Union
2122020	20mm PVC Barrel Union
2122025	25mm PVC Barrel Union
15XCE	15mm Pipe 4 Meter Long
20XCE	20mm Pipe 4 Meter Long
25XCE	25mm Pipe 4 Meter Long
PVC1515S	15mm PVC Double Ended Socket
PVC2020S	20mm PVC Double Ended Socket
PVC2525S	25mm PVC Double Ended Socket
PVC1545E	15mm PVC 45° Elbow
PVC2045E	20mm PVC 45° Elbow
PVC2545E	25mm PVC 45° Elbow
PVC1590E	15mm PVC 90° Elbow
PVC2090E	20mm PVC 90° Elbow
PVC2590E	25mm PVC 90° Elbow
PVC15T	15mm PVC Equal Tee
PVC20T	20mm PVC Equal Tee
PVC25T	25mm PVC Equal Tee
PVC2015B	20mm x 15mm Reducing Bush
PVC2520B	25mm x 20mm Reducing Bush
PVC2015S	20mm x 15mm Reducing Socket
PVC2515S	25mm x 15mm Reducing Socket
PVC2520S	25mm x 20mm Reducing Socket
13130	125ml PVC Solvent Cement
8132	250ml PVC Solvent Cement
8136	500ml PVC Solvent Cement



2122015



15XCE



PVC1515S



PVC1590E



PVC15T



PVC2015B



PVC2015S

TUBING AND HOISING

Part	Descriptions
PVC6mm	Clear PVC Tube 6mm
CHDR-CST2	Clear PVC Tube 8mm
CHDR-CST3	Clear PVC Tube 10mm
CHDR-H16N	Flexible Drain Hose 16mm



PVC6mm



CHDR-H16N

MOUNTING & VIBRATION PADS

Part	Descriptions
FOOT360	Condenser Base 360mm L x 85mm W x 70mm H
FOOT460HD	Condenser Base 460mm L x 85mm W x 70mm H
TTLR362	360mm Mounting Block
TTLR452	450mm Mounting Block
B9368SET	Fix It Foot Set W/Fixings 500mm
INDUSTRIAL FOOT	Condenser Base 430mm L x 75mm W x 95mm H
SLAB	Heavy Duty Condenser Slab 895mm L x 470mm W x 50mm H
INDUSTRIAL SLAB	Heavy Duty Condenser Slab 1230mm L x 570mm W x 50mm H
RF-PN-65	Top Hat Roof Lkit 65mm
RF-PN-80SC	Midtop Roofkit (short cap)
RF-PN-110FC	Top Hat Roof Lkit 110mm
A35	Rubber Mount 120kg Set of 4
CHRUPS10	Vibration Pad 1000 x 1
CHBM150	Anti Vibration Pad 15 x 100 x 1000
CHBM200	Anti Vibration Pad 20 x 452 x 452-81 Squares
VWP3030R	Ripper Waffle Pad
1289	Duct Saddles



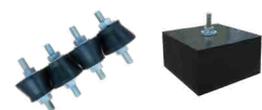
FOOT360



TTLR362



RF-PN-65FC



A35 & RB-P442S



CHRUPS10

CONDENSATE PUMPS

Part	Descriptions	Max Flow	Max Head	Boilers	Water Temp
ULTRA PUMP	Ultra Quiet Minipump 20.2 dBA - A/C	15 l/h @ 0m	6m @ 5 l/h	No	30°C Max
ULTRA TANK	Sunny Condensate Pump 0.7l - A/C	18 l/h @ 0m	7m @ 3.5 l/h	No	60°C Max
TANK1.3L	Tank Max Flow 1.3l - A/C	700 l/h @ 0m	5.5m @ 110 l/h	No	60°C Max
VISION PUMP	Quiet Minipump 21.2 dBA @ 1 Metre	15 l/h	5.5m @ 110 l/h	No	45°C Max
ULTRA DUCT	Ultra Quiet Pump 20.2 dBA	15 l/h	6m @ 5 l/h	No	30°C Max



FP1080



FP1056



FP3312



FP2099

ASPEN PUMPS

Part	Descriptions
FP1056	Mini Tank Pump (35 Ltrs / Hr)
FP1080	Aspen Mini Blanc (12 Ltrs/Hr)
FP2099	HI LIFT CONDENSATE PUMP 1L (11 Ltrs / Hr)
FP2210	Aspen Maxi Orange (35 Ltrs/Hr)
FP2212	Aspen Mini Orange (12 Ltrs / HR)
FP2406	Aspen Mini Aqua Condensate Pumps
FP3312	Aspen Mini Lime Silent (12 Ltrs / Hr)
FP3349	Max Hi Flow Tank Pump (550 Ltrs / Hr)

BRACKETS

Part	Descriptions
CHBR-Y550G	Powder Coated - 1000mm W x 550mm H x 420mm L
CHBR-Y550S	Stainless Steel - 1000mm W x 550mm H x 420mm L
76096	Galvanized Bracket - 780mm Long x 40mm Side
76095	Galvanized Bracket - 630mm Long x 40mm Side
CHBRRB-16S	Stainless Steel - 1000mm W x 850mm Span x 750mm Unit Base



CHBR-Y550G



CHBR-16S

PAIRCOIL

Part	Descriptions
PC1438	Pre Insulated Paircoil 1/4 3/8 X 20Mtr
PC1412	Pre Insulated Paircoil 1/4 1/2 X 20Mtr
PC1458	Pre Insulated Paircoil 1/4 5/8 X 20Mtr
PC3834	Pre Insulated Paircoil 3/8 3/4 X 20Mtr
PC3858	Pre Insulated Paircoil 3/8 5/8 X 20Mtr
PC1438FR	TUBE CU FIRERATED PRE-INSULATED 1/4 X3/8
PC1412FR	TUBE CU FIRERATED PRE-INSULATED 1/4 X1/2
PC1458FR	TUBE CU FIRERATED PRE-INSULATED 1/4 X5/8
PC3858FR	TUBE CU FIRERATED PRE-INSULATED 3/8 X5/8



Paircoil

TOTALINE



Refrigeration

CONDENSING UNITS



	HP	Capacity in w @ 32°C Ambient									Dimensions		
		-30°C	-25°C	-23.3°C	-20°C	-15°C	-10°C	0°C	+7.2°C	+15°C	L	W	H
Low Temp 404A													
CAE2420ZBR	1/2	394	499	533	605	716	832	N/A	N/A	N/A	389	330	257
CAJ2432ZBR	3/4	594	729	796	898	1022	1222	N/A	N/A	N/A	485	342	299
CAJ2446ZBR	1	750	970	1047	1205	1690	1724	N/A	N/A	N/A	486	430	338
CAJ2464ZBR	1 1/2	1080	1463	1491	1692	2067	2296	N/A	N/A	N/A	486	430	338
TFH2480ZBR	2	1628	2030	2223	2519	2980	3417	N/A	N/A	N/A	620	510	450
Medium / High Temp 134A													
CAJ4511YHR	1	N/A	N/A	N/A	N/A	1216	1178	2138	2687	3370	486	430	338
FH4518YHR	1 1/2	N/A	N/A	N/A	N/A	1791	2250	3463	4488	5848	620	510	450
Medium / High Temp 404A													
CAJ9480ZMHR	5/8	N/A	N/A	N/A	N/A	975	1176	1624	1992	2146	480	430	338

CONDENSING UNITS

		Fan							
		No. of Fans	Fan Ø	Air Flow	Throw	Watts	Amps	Volt/Phase	
BOHN Med Temp Evaporator									
KF750	Matched CAE2420ZBR Condenser	3	178	175	N/A	30	0.65	240/1	
BMT017H-NC	Matched CAJ9480ZMHR Condenser	1	178	1368	7.2	73	0.32	240/1	
BMT026H-NC	Match with CAJ4511YHR or CAJ9513ZMHR Condenser	1	300	1224	6.5	73	0.32	240/1	
BMT044H-NC	Match with FH4518YHR or CAJ4519ZMHR or FH4524ZMHR Condensers	2	300	2592	9.8	146	0.64	240/1	
BLT012-NC	Match with CAJ2432ZBR Condenser	1	300	1296	6.4	73	0.32	240/1	
BLT013-NC	Match with CAJ2446ZBR Condenser	1	300	1224	6	73	0.32	240/1	
BLT022-NC	Match with CAJ2464ZBR Condenser	2	300	2592	9.1	146	0.64	240/1	
BLT027-NC	Match with FH2480ZBR Condenser	2	300	2448	8.6	146	0.64	240/1	

Heater Data			Connection		Kg	Dimensions		
Watts	Amps	Volt/ Phase	Liquid	Suction		L	W	H
BOHN Med Temp Evaporator								
720	3	240/1	9.52mm 3/8	9.52mm 3/8	\$8.50	796	410	135
900	3.75	240/1	9.52mm 3/8	9.52mm 3/8	\$9.40	750	470	430
900	3.75	240/1	12.7mm 1/2	12.7mm 1/2	\$11.50	750	470	430
1800	7.5	240/1	12.7mm 1/2	15.9mm 5/8	\$16.90	1155	470	430
BOHN Low Temp Evaporator								
900	3.75	240/1	12.7mm 1/2	15.9mm 5/8	\$10.80	750	470	430
900	3.75	240/1	12.7mm 1/2	15.9mm 5/8	\$11.80	750	470	430
1800	7.5	240/1	12.7mm 1/2	19.1mm 3/4	\$17.50	1155	470	430
1800	7.5	240/1	12.7mm 1/2	22.2mm 7/8	\$19.50	1155	470	430

DRIERS - SWEAT



Part	Descriptions
ALC060012	Alco EK-032S Filter Drier - 1/4 inch Solder
ALC047602	Alco EK-052S Filter Drier - 1/4 inch Solder
ALC047606	Alco EK-082S Filter Drier - 1/4 inch Solder
ALC047604	Alco EK-053S Filter Drier - 3/8 inch Solder
ALC047608	Alco EK-083S Filter Drier - 3/8 inch Solder
ALC047614	Alco EK-163S Filter Drier - 3/8 inch Solder
ALC047610	Alco EK-084S Filter Drier - 1/2 inch Solder
ALC047616	Alco EK-164S Filter Drier - 1/2 inch Solder
ALC048213	Alco EK-304S Filter Drier - 1/2 inch Solder
ALC047618	Alco EK-165S Filter Drier - 5/8 inch Solder
ALC048215	Alco EK-305S Filter Drier - 5/8 inch Solder
ALC048216	Alco EK-306S Filter Drier - 3/4 inch Solder
023Z5048	Danfoss Ek032S Drier - 1/4 Sold.

BI-FLO DRIERS - FLARE



Part	Descriptions
ALC043330	Alco BFK-163 Filter Drier - Bi Flo - 3/8 inch Flare
ALC043325	Alco BFK-084 Filter Drier - Bi Flo - 1/2 inch Flare
ALC043732	Alco BFK-165 Filter Drier - Bi Flo - 5/8 inch Flare

BI-FLO DRIERS - SWEAT



Part	Descriptions
ALC043323	Alco BFK-083S Filter Drier - Bi Flo - 3/8 inch Solder
ALC043333	Alco BFK-163S Filter Drier - Bi Flo - 3/8 inch Solder
ALC043327	Alco BFK-084S Filter Drier - Bi Flo - 1/2 inch Solder
ALC043337	Alco BFK-164S Filter Drier - Bi Flo - 1/2 inch Solder
ALC043734	Alco BFK-165S Filter Drier - Bi Flo - 5/8 inch Solder

DANFOSS DUAL PRESSURE SWITCH



Part	Descriptions
KP15060-1264	Danfoss Pressure Control
KP15060-1265	Danfoss Pressure Control
KP1060-1101	Danfoss Low Pressure Control
KP5060-1171	Danfoss High Pressure Control, Auto Reset
017-8705	Ranco Dual pressure With Manual reset

CRANKCASE PRESSURE REGULATORS



Part	Descriptions
kvl15034I0049	Danfoss Crankcase Pressure Regulator - 0.2 - 6 Bar - 5/8 x 5/8 inch Solder
kvl22034I0045	Danfoss Crankcase Pressure Regulator - 0.2 - 6 Bar - 7/8 x 7/8 inch Solder
kvl28034I0046	Danfoss Crankcase Pressure Regulator - 0.2 - 6 Bar - 1+ 1/8 x 1+ 1/8 inch Solder
kvl35034I0052	Danfoss Crankcase Pressure Regulator - 0.2 - 6 Bar - 1+ 3/8 x 1+ 3/8 inch Solder

EVAPORATOR PRESSURE REGULATORS



Part	Descriptions
KVP15034L0029	Danfoss Evaporator Pressure Regulator 5/8 x 5/8 inch
KVP22034L0025	Danfoss Evaporator Pressure Regulator 7/8 x 7/8 inch
KVP28034L0026	Danfoss Evaporator Pressure Regulator 1+ 1/8 x 1+ 1/8 inch
KVP35034L0032	Danfoss Evaporator Pressure Regulator 1 + 3/8 x 1+ 3/8 inch

DRIERS - FLARE



Part	Descriptions
ALC060009	Alco EK-032 Filter Drier - 1/4 inch Flare
ALC047601	Alco EK-052 Filter Drier - 1/4 inch Flare
ALC047605	Alco EK-082 Filter Drier - 1/4 inch Flare
ALC047603	Alco EK-053 Filter Drier - 3/8 inch Flare
ALC047609	Alco EK-084 Filter Drier - 1/2 inch Flare
ALC047617	Alco EK-165 Filter Drier - 5/8 inch Flare
023Z5038	Danfoss Ek053 Drier - 3/8 Flare
023Z5040	Danfoss Ek083 Drier - 3/8 Flare
023Z5041	Danfoss Ek084 Drier - 1/2 Flare
023Z5043	Danfoss Ek163 Drier - 3/8 Flare
023Z5044	Danfoss Ek164 Drier - 1/2 Flare
023Z5039	Danfoss Ek082 Drier - 1/4 Flare
023Z0050	Danfoss Filter Drier DML 304 M/8
023Z0051	Danfoss Filter Drier DML 305 M/8

REFRIGERATION CONTROLLERS 240V

Part Number	Description	Probe	Temp Range	Comp	Fans	Defrost	Aux
EKC102A	Refrigeration Controller Danfoss	1 NTC or PTC	-50°C to 50°C	Yes	No	No	No
IR33SOER00	Refrigeration Controller	2 NTC	-50°C to 90°C	Yes	Yes	Yes	Yes
IRDICOHB00	Refrigeration Controller	2 NTC	-50°C to 90°C	Yes	No	Yes*	No
MD33A5ER00	Refrigeration Controller	2 NTC	-50°C to 90°C	Yes	No	Yes*	Yes
MD33D5EB00	Refrigeration Controller	2 NTC	-50°C to 90°C	Yes	Yes	Yes	Yes
XR02CX	Refrigeration Controller	1 NTC	-50°C to 90°C	Yes	No	No	No
XR04CX	Refrigeration Controller	2 NTC	-55°C to 99°C	Yes	No	Yes	No
XR06CX	Refrigeration Controller	2 NTC	-55°C to 99°C	Yes	Yes	Yes	No
XR10CX	Refrigeration Controller	2 NTC or PTC	-50°C to 110°C	Yes	No	No	No
XR20CX	Refrigeration Controller	2 NTC or PTC	-50°C to 110°C	Yes	No	No	No
XR30CX	Refrigeration Controller	2 NTC or PTC	-50°C to 110°C	Yes	No	Yes*	Yes
XR40CX	Refrigeration Controller	3 NTC or PTC	-50°C to 110°C	Yes	No	Yes	No
XR60CX	Refrigeration Controller	-50°C	110°C	Yes	Yes	Yes	No
080G3263	Refrigeration Controller Danfoss						
080G3265	Refrigeration Controller Danfoss						



XR Series



Danfoss Controllers



MD33A5ER00/MD33A5EB00

EMERSON TX VALVE (FLARE)



Part	Descriptions
ALC065020	Alco Ti-Hw Txv Int, R22 Flare TX Valve
ALC065028	Alco Ti-Sw Txv Int, R404 Flare TX Valve
ALC065021	Alco Tie-Hw Txv Ext, R22 Flare TX Valve
ALC065017	Alco Ti-Hw Txv Int, R22 Flare TX Valve
ALC065031	Alco Tie-Sw Txv Ext, R404 Flare TX Valve

ORIFICE TI SERIES



Part	Descriptions
ALC065087	Alco #00 Orifice Ti Series Thermo Expansion Valves
ALC065088	Alco #0 Orifice Ti Series Thermo Expansion Valves
ALC065090	Alco #1 Orifice Ti Series Thermo Expansion Valves
ALC065091	Alco #2 Orifice Ti Series Thermo Expansion Valves
ALC065092	Alco #3 Orifice Ti Series Thermo Expansion Valves
ALC065093	Alco #4 Orifice Ti Series Thermo Expansion Valves
ALC065094	Alco #5 Orifice Ti Series Thermo Expansion Valves
ALC065095	Alco #6 Orifice Ti Series Thermo Expansion Valves

EXTERNAL ROTOR MOTORS



Part	Descriptions
YWF4E-250	Axial fan/motor/grille - Generic AF-4E-250-S-92/25G
YWF4E-300	Axial fan/motor/grille - Generic AF-4E-300-S-92/35G
YWF4E-350	Axial fan/motor/grille - Generic AF-4E-350-S-102/34G1
YWF4E-400	Axial fan/motor/grille - Generic AF-4E-400-S-102/47G
YWF4E-450	Axial fan/motor/grille - Generic AF-4E-450-S-P137/35
YWF4E-500	Axial fan/motor/grille - Generic AF-4E-500-S-137/35G
YWF4E-600	Axial fan/motor/grille - Generic AF-4E-600-S
YWF4E-630	Axial fan/motor/grille - Generic AF-4E-630-S-137/70-G

EBM FAN MOTORS



Part	Descriptions
M4Q045CA0138 -CTN	EBM fan AC Q-MOTOR 83x82mm 31/7W 230V 50Hz 4 POLES
M4Q045CA0338 A01-CTN	EBM fan AC Q-MOTOR 83x82mm 36/10W 230V 50Hz 4 POLES
M4Q045CF0138 -CTN	EBM fan AC Q-MOTOR 83x87mm 60/16W 230V 50Hz 4 POLES
M4Q045DA0538 -CTN	EBM fan AC Q-MOTOR 83x93mm 86/23W 230V 50Hz 4 POLES
M4Q045EA0138 -CTN	EBM fan AC Q-MOTOR 83x103mm 90/25W 230V 50Hz 4 POLES
M4Q045EF0138 -CTN	EBM fan AC Q-MOTOR 83x125mm 110/34W 230V 50Hz 4 POLES

DANFOSS SOLENOID VALVES



Part	Descriptions
EVR3032F1204	Danfoss Solenoid Valve 3/8 ODS
EVR3032F8107	Danfoss Solenoid Valve 1/4 Flare
EVR3S032F1206	Danfoss Solenoid Valve 1/4 ODS
EVR6032F1209	Danfoss Solenoid Valve 1/2 ODS
EVR6032F8072	Danfoss Solenoid Valve 3/8 Flare
EVR6S032F1212	Danfoss Solenoid Valve 3/8 ODS
EVR10032F8095	Danfoss Solenoid Valve 1/2 Flare
EVR15032F8101	Danfoss Solenoid Valve 5/8 Flare
EVR15S032F1228	Danfoss Solenoid Valve 5/8 ODS
220V018F6701 018F6701	Danfoss EVR Solenoid Valve Coil - 10 Watt @ 50Hz 230V solenoid coil 10Watt 50Hz

DANFOSS SIGHT GLASSES



Part	Descriptions
014L0162	Danfoss Sight Glass 3/8 x 3/8 Flare (014-0162SGN10)
014L0163	Danfoss Sight Glass 1/2 x 1/2 Flare (014-0163SGN12)
014L0181	Danfoss Sight Glass 1/4 x 1/4 ODF (014-0181SGN6S)
014-0161SGN6	Danfoss Sight Glass 1/4 x 1/4 Flare
014-0183SGN12S	Danfoss Sight Glass 1/2 x 1/2 ODF
014-0182SGN10S	Danfoss Sight Glass 3/8 x 3/8 ODF
014-0184SGN16S	Danfoss Sight Glass 5/8 x 5/8 ODF
014-0185SGN19S	Danfoss Sight Glass 3/4 x 3/4 ODF
014-0186SGN22S	Danfoss Sight Glass 1+1/8 x 1+1/8 ODF

DANFOSS TX VALVES (FLARE)



Part	Descriptions
TN2068Z3346	Danfoss Tx Valve - R134a 3/8 x 1/2 INT
TS2068Z3400	Danfoss Tx Valve - R404a 3/8 x 1/2 INT
TS2068Z3408	Danfoss Tx Valve - R404a 3/8 x 1/2 INT
TEN2068Z3348	Danfoss Tx Valve - R134a 3/8 x 1/2 EX
TES2068Z3409	Danfoss Tx Valve - R404a 3/8 x 1/2 EX
068Z3206	Danfoss Tx Valve - R22 3/8 x 1/2 INT (TX2068Z3206)
068Z3209	Danfoss Tx Valve - R22 3/8 x 1/2 EX (TEX2068Z3209)
068Z3403	Danfoss Tx Valve - R404a 3/8 x 1/2 EX (TES2068Z3403)
068Z3430	Danfoss Tx Valve
068-2006	EXP VALVE T2 ORIFICE #.03
068-2007	#4 ORIFICE
068-2008	EXP VALVE T2 ORIFICE #.05
068-2009	EXP VALVE T2 ORIFICE #.06
068-2015	EXP VALVE T2 ORIFICE #.02

DANFOSS TX VALVES (SOLDER)



Part	Descriptions
068Z3383	Danfoss Tx Valve - R134a 3/8 x 1/2 INT (TN2S068Z3383)
068Z3414	Danfoss Tx Valve - R404a 3/8 x 1/2 INT (TS2S068Z3414)
TX2S068Z3281	Danfoss Tx Valve - R22 3/8 x 1/2 INT
TEN2S068Z3385	Danfoss Tx Valve - R134a 3/8 x 1/2 EX
068Z3284	Danfoss Tx Valve - R22 3/8 x 1/2 EX (TEX2S068Z3284)
068Z3415	Danfoss Tx Valve - R404a 3/8 x 1/2 EX (TES2S068Z3415)

DANFOSS T 2TE 2 ORIFICES



Part	Descriptions
ORIFICE0X	Danfoss T2 Orifice With Filter #.0X
ORIFICE01	Danfoss T2 Orifice With Filter #.01
ORIFICE04	Danfoss T2 Orifice With Filter #.04
ORIFICE05	Danfoss T2 Orifice With Filter #.05
ORIFICE06	Danfoss T2 Orifice With Filter #.06

ROTALOCK FOR DANFOSS COMPRESSOR



Part	Descriptions
RTLK1.1/8	Stub & Rotalock Valve 1+3/4 x 1+ 1/8
RTLK1.3/4	Stub & Rotalock Valve 1+1/4 x 3/4
RTLK1/2	Stub & Rotalock Valve 1/2
RTLK7/8	Stub & Rotalock Valve 1+1/4 x 7/8

TECUMSEH R134A & R404A



Part	Descriptions
AE4430YS	0.25 HP - R134a Tecum Comp
CAE2420Z-T	0.5 HP - R404a Tecum Comp Low
CAE9460Z-T	0.5 HP - R404a Tecum Comp High
CAJ4461Y-T	0.5 HP - R134a Tecum Comp Med
CAJ4492Y-T	0.75 HP - R134a Tecum Comp Med
CAJ4511Y-T	1 HP - R134a Tecum Comp Med
CAJ4519Z-T	1.75 HP - R404a Tecum Comp High
CAJ9480Z-T	5/8 HP - R404a Tecum Comp High
CAJ9510Z-T	1 HP - R404a Tecum Comp High
FH4518Y-V	1.5 HP - R134a Tecum Comp Med
FH4525Y	2 HP - R134a Tecum Comp Med
FH4531Z-V	2.5 HP - R404a Tecum Comp High
FH4531Z-V	2.5 HP - R404a Tecum Comp High
TFH4540Z-V	3 HP - R404a Tecum Comp High

COPELAND COMPRESSORS

Part	Descriptions
ZB15KQE-TFD-588	2 HP - R404a Cope Comp
ZB21KQE-PFJ-588	3 HP - R404a Cope Comp
ZB21KQE-TFD-588	3 HP - R404a Cope Comp
ZB26KQE-PFJ-588	3.5 HP - R404a Cope Comp
ZB26KQE-TFD-588	3.5 HP - R404a Cope Comp
ZB29KQE-TFD-588	4 HP - R404a Cope Comp
ZB38KQE-TFD-588	5 HP - R404a Cope Comp
ZB58KQE-TFD-524	8 HP - R404a Cope Comp
ZB66KQE-TFD-524	9 HP - R404a Cope Comp
ZR28K3-TFD-522	Zr28K3 - R22 Cope Comp Scroll

DANFOSS COMPRESSORS

Part	Descriptions
SZ084-4	Sz084-4 R-407c Perf Comp
SZ090-4	Sz090 R-407c Perf Comp
SZ100-4	Sz100 R-407c Perf Comp
SZ110-4	Sz110 R-407c Perf Comp
SZ120-4	Sz120 R-407c Perf Comp
SZ148-4	Sz148 R-407c Perf Comp
SZ160-4	Sz160 R-407c Perf Comp
SZ161-4	Sz161 R-407c Perf Comp
SZ185-4	Sz185 R-407c Perf Comp



Copeland
Compressor



Danfoss
Compressor

TOTALINE



Tools

BENDING SPRINGS

Part	Descriptions
TBS04	1/4 Tube Bending Spring
TBS06	3/8 Tube Bending Spring
TBS08	1/2 Tube Bending Spring
TBS10	5/8 Tube Bending Spring



TBS04



TBS06



TBS08



TBS10

TUBE DEBURRING

Part	Descriptions
TLRM	Reamer
TLDB	Tube Deburring Tool - Toolbox version
BTLDDB3	Deburring Tool - Blackmax



TLRM



TLDB



BTLDDB3

DIGITAL (Fix)

Part	Descriptions
VG200	CPS Elec Vac Gauge
VG200W	CPS Elec Vac Gauge - Wireless
TESTO552	Testo 552 digital vacuum gauge with Bluetooth
LS2	LEAK SEEKER II
TESTO316-3	Testo 316-3 Leak detector
TESTO316-41	Testo 316-4 Set 1 Leak detector
TS-100	Temperature & Humidity Data Logger
TS-100-6PK	Temperature & Humidity Data Logger 6 Pack
ABM-100	Airflow Balancing Meter
ABM-200	Airflow & Enviromental Meter
ABM-HOOD-200	AMB Easy Hood
TESTO405i	Testo Thermal Anemometer operated by smartphone
TESTO410i	Testo Vane Anemometer operated by smartphone
TESTO549i	Testo High Pressure Meter operated by smartphone
TESTO510i	Testo Differential Pressure Meter operated by smartphone
TESTO605i	Testo Thermohygrometer operated by smartphone
TESTO05630002	Testo Smart Probes Refrigeration Set
TESTO05630003	Testo Smart Probes VAC Set
TESTO06135505	Testo Clamp Probe
TESTO06321270	Testo Co probe head
TESTO06350551	Testo Lux probe
TESTO174HSET	Testo 174H-Set Mini Temp/Humidity Datalogger w/USB interface
TMINI	CPS Temperature Seeker
TESTO05601113	Testo Stainless Steel Mini Thermometer
TESTO805i	Testo Infrared Thermometer operated by smartphone
TESTO830T2	Testo 830T2 2-Point IR Thermometer



VG200W



LS2



TESTO316-3



TS-100



TESTO549i



TESTO174HSET



TESTO805i

DUCT STRAPPING

Part	Descriptions
305529	Duct Strapping Tool



TLPK

FLARE EXPANDING & SWAGING

Part	Descriptions
FS275	R22 Flaring & Swaging Kit
TLPK	Swaging Tool Kit
BTLE9	Premium Tube Expanding Kit
BTLH5E	Hydraulic Tube Expander Kit
BFT850FN	Blackmax Lightweight Flaring Tool
BFT850D	R-410A Clutch-Type Eccentric Flaring Tool/ Drill Attachment



TCPVC



BFT850D



FS275



BTLH5E



BTLE9

LPG

Part	Descriptions
JP211067	Turbo Blow Torch Kit (1077)
JP211056	Swivel Blow Torch Kit (1077)



JP211056



JP211067

GAUGES & MANIFOLD SETS

Part	Descriptions
RGBH	R410A Gauge
RGBL	R410A Gauge
RGX68BB	Blue Gauge Boot
RGX68RB	Red Gauge Boot
RGYH	R407C Gauge
RGYL	R407C Gauge
MT11B7J5	R410A, Manifold set
MT2TP75	R134,R22,R404 Manifold set



RGBH



RGBL



RGX68BB



RGX68RB



MT2TP75

HOSE & FITTINGS

Part	Descriptions
AD47	Hose Union 1/4" Male
AD78	Adaptor
AD87	Adaptor
AVT45	1/4 Safe Male Tee
AVT48	Swivel Female Tee
AW44000	R410A Control Valve
QCL134	Automotive Quick Coupler R134A 14mm Female Thread
QCH134	Automotive Quick Coupler R134A 14mm Female Thread
BV38	3/8 M X 3/8 F Ball Valve
BVAD24	14" M X 1/2" F BALL VALVE
HP6	1/4" All Refrigerant Charging Hose set 6'
HJ5	5,3 PACK PREMIUM HOSES
HJ5E	Hose 150CM 5ft with ball valve, R410A



AD47



AD47



AVT45



AVT45



QCH134

INTERNAL TUBE BENDERS - POLYBEN

Part	Descriptions
PB38	Polybender suits internal 3/8" copper tube
PB12	Polybender suits internal 1/2" copper tube
PB58	Polybender suits internal 5/8" copper tube



HP6



PB12

PLIERS

Part	Descriptions
TLPO	Pinch-Off Pliers
TLPP	Tube Piercing Pliers



TLPO



TLPO

DIGITAL MANIFOLD SET

Part	Descriptions
MD50VHE	2 Valve Digital Manifold Kit
MD100VHE	4 Valve Digital Manifold Kit
TESTO550	Testo 550 Set - Digital Manifold
TESTO557	Testo 557 Set- digital manifold



MD50VHE



AC750

CLAMP METER - TORQUE WRENCH

Part	Descriptions
AC750	CPS Clamp Meter
TESTO770-2	Testo 770-2 True-rms Clamp Meter
TESTO770-3	Testo 770-3 True-rms Clamp Meter
TESTO760-2	Testo 760-2 True-rms Multimeter
TESTO745	Testo 745 Non-Contact Voltage
TESTO760-3	Testo 760-3 True-rms Multimeter
TLTWSM	Metric Head Torque Wrench
ATQS41	Torque Wrench Set
BTLDTW	Digital Torque Wrench



TESTO770-2



TESTO760-3



BTLDTW

INSPECTION LIGHT

Part	Descriptions
EIMFL360	Extendable Mag Inspection Light

REPLACEMENT PARTS

Part	Descriptions
HXG	Rubber Gasket
HXG2	Hose Gasket 410A
LS2XF	SENSOR FILTER FOR LS2
LSXS3	Sensor To Suit Ls300
MXPK	Blackmax Valve Handel
MXPVO	O'Ring
TCX4C	Cutting Wheel
TCX4S	Repacement Piercing Pin
TCX6CTS	Cutting Wheel
TCX7CS	Replacement Cutting Wheel



HXG



MXPVO



BTB12



TCX4C

SOLENOID MAGNET - TUBE BENDERS

Part	Descriptions
TLMKC18	Solenoid Magnet
BTB06	Color Coded Lever Tube Bender 3/8"
BTB08	Color Coded Lever Tube Bender 1/2"
BTB10	Color Coded Lever Tube Bender 5/8"
BTB12	Color Coded Lever Tube Bender 3/4"
BTB14	Color Coded Lever Tube Bender 7/8"
BTB300	Premium Ratcheting Tube Bender w/Reverse Bend



TLMKC18



BTB06



BTB10

VACUUM PUMPS - VALVE CORE TOOLS

Part	Descriptions
VPS6DA	144/L Spark Proof Vac Pump (All Refrigerants inc R32)
VPS12DAV	12CFM/288L/M with solenoid valve & spark proof
VPC2S-18VDC	18V Cordless Vac Pump 48L/M W-SOLENOID VALVE
VPCXBCAU	18V 3 Amp Li-ion Battery Charger
VPCXB18	Spare 18V 6 A/H Li-on battery
TLVC2	Dual Valve Core Tool
TLVC410	Valve Core Removers 410A



VPS6DA



VPS12DAV



VPCXB18

TUBE CUTTER - RECOVERY EQUIPMENT

Part	Descriptions
TCT127	1/8 to 5/8 Heavy Duty Cutters
TCT174	1/8 to 1 1/8 Heavy Duty Cutters
BTC200	Tube Cutter 1/8-7/8 OD
BTC200R	Ratchet Tube Cutter 1/8" to 7/8"
BTC400	Blackmax Tube cutter
TCPVC	PVC Tube Cutter



TCT127



TCT174



BTC200



BTC300

DRILL BITS - BRUSHES - INSTALL

Part	Descriptions
GTC-211Q-5/8	Grit Brush

TOTALINE



Copper

COPPER 180 BEND



Part	Descriptions
CULB18038	Copper 180 Bend 3/8
CULB18012	Copper 180 Bend 1/2
CULB18058	Copper 180 Bend 5/8
CULB18078	Copper 180 Bend 7/8
CULB1801.18	Copper 180 Bend 1-1/8
CULB1801.38	Copper 180 Bend 1-3/8

COPPER 45 BEND



Part	Descriptions
1025-0606	Elbow (CU 45 degree) - 3/8 ID x 3/8 ID - R410A
1025-0808	Elbow (CU 45 Degree) - 1/2 ID x 1/2 ID - R410A
1025-1010	Elbow (CU 45 Degree) - 5/8 ID x 5/8 ID - R410A
1025-1212	Elbow (CU 45 Degree) - 3/4 ID x 3/4 ID - R410A
1025-1414	Elbow (CU 45 Degree) - 7/8 ID x 7/8 ID - R410A
1025-1818-410A	Elbow (CU 45 Degree) - 1-1/8 ID x 1-1/8 ID - R410A
1025-2222-410A	Elbow (CU 45 Degree) - 1-3/8 ID x 1-3/8 ID - R410A
1025-3434	Elbow (CU 45 Degree) - 2-1/8 ID x 2-1/8 ID - R410A
1025-4242	Elbow (CU 45 Degree) - 2-5/8 ID x 2-5/8 ID - R410A



COPPER 90 BEND

Part	Descriptions
1024-0606	Elbow (CU) - 3/8 ID x 3/8 ID - R410A
1024-0404	Elbow (CU) - 1/4 ID x 1/4 ID - R410A
1024-0606	Elbow (CU) - 3/8 ID x 3/8 ID - R410A
1024-0808	Elbow (CU) - 1/2 ID x 1/2 ID - R410A
1024-1010	Elbow (CU) - 5/8 ID x 5/8 ID - R410A
1024-1212	Elbow (CU) - 3/4 ID x 3/4 ID R410A
1024-1414	Elbow (CU) - 7/8 ID x 7/8 ID - R410A
1024-1818	Elbow (CU) - 1-1/8 ID x 1-1/8 ID
1024-1818-410A	Elbow (CU) - 1-1/8 ID x 1-1/8 ID - R410A
1024-2222-410A	Elbow (CU) - 1-3/8 ID x 1-3/8 ID-410A
1024-2626-410A	Elbow (CU) - 1-5/8 ID x 1-5/8 ID - 410A
1024-3434	Elbow (CU) - 2-1/8 ID x 2-1/8 ID
1024-4242	Elbow (CU) - 2-5/8 ID x 2-5/8 ID

BRAZING/COPPER COUPLERS

Part	Descriptions
1009-0604	Coupling (CU) - 1/4 ID x 1/4 ID - R410A
1009-0606	Coupling (CU) - 3/8 ID x 3/8 ID - R410A
1009-0808	Coupling (CU) - 1/2 ID x 1/2 ID - R410A
1009-1010	Coupling (CU) - 5/8 ID x 5/8 ID - R410A
1009-1212	Coupling (CU) - 3/4 ID x 3/4 ID - R410A
1009-1414	Coupling (CU) - 7/8 ID x 7/8 ID - R410A
1009-1818-410A	Coupling (CU) - 1-1/8 ID x 1-1/8 ID - R410A
1009-2222-410A	Coupling (CU) - 1-3/8 ID x 1-3/8 ID - R410A
1009-2626-410A	Coupling (CU) - 1-5/8 ID x 1-5/8 ID - R410A

COPPER REDUCER/COPPER TEE

Part	Descriptions
1009-0806	Coupling (CU) - 1/2 ID x 3/8 ID - R410A
1009-1006	Coupling (CU) - 5/8 ID x 3/8 ID - R410A
1009-1008	Coupling (CU) - 5/8 ID x 1/2 ID - R410A
1009-1208	Coupling (CU) - 3/4 ID x 1/2 ID - R410A
1009-1210	Coupling (CU) - 3/4 ID x 5/8 ID - R410A
1009-1410	Coupling (CU) - 7/8 ID x 5/8 ID - R410A
1009-1412	Coupling (CU) - 7/8 ID x 3/4 ID - R410A
1009-1814-410A	Coupling (CU) - 1-1/8 ID x 7/8 ID - R410A
1009-2218-410A	Coupling (CU) - 1-3/8 ID x 1-1/8 ID - R410A
1009-2622-410A	Coupling (CU) - 1-5/8 ID x 1-3/8 ID - R410A

1009 Series



COPPER TEE

Part Number	Descriptions
1049-040404	Tee (CU) - 1/4 ID x 1/4 ID x 1/4 ID - R410A
1049-060604	Tee (CU) - 3/8 ID x 3/8 ID x 1/4 ID - R410A
1049-060606	Tee (CU) - 3/8 ID x 3/8 ID x 3/8 ID - R410A
1049-080808	Tee (CU) - 1/2 ID x 1/2 ID x 1/2 ID - R410A
1049-101010	Tee (CU) - 5/8 ID x 5/8 ID x 5/8 ID - R410A
1049-121212	Tee (CU) - 3/4 ID x 3/4 ID x 3/4 ID - R410A
1049-141414	Tee (CU) - 7/8 ID x 7/8 ID x 7/8 ID - R410A
1049-181818	Tee (CU) - 1-1/8 ID x 1-1/8 ID x 1-1/8 ID
1049-222222	Tee (CU) - 1-3/8 ID x 1-3/8 ID x 1-3/8
1049-262626	Tee (CU) - 1-5/8 ID x 1-5/8 ID x 1-5/8 ID
1049-343434	Tee (CU) - 2-1/8 ID x 2-1/8 ID x 2-1/8 ID
1049-424242	Tee (CU) - 2-5/8 ID x 2-5/8 ID x 2-5/8 ID

1049 Series



HARD DRAWN REFRIGERATION COPPER

Part	Descriptions
THD138-STD	Hard Drawn 1-3/8 x 5.8m Standard
THD118-STD	Hard Drawn 1-1/8 x 5.8m Standard
THD158-STD	Hard Drawn 1-5/8 x 5.8m Standard
THD218-STD	Hard Drawn 2-1/8 x 5.8m Standard

HARD DRAWN THICK WALL



Part	Descriptions
THD38-410	Hard Drawn 3/8 x 5.8m R410a Rated
THD12-410	Hard Drawn 1/2 x 5.8m R410a Rated
THD58-410	Hard Drawn 5/8 x 5.8m R410a Rated
THD34-410	Hard Drawn 3/4 x 5.8m R410a Rated
THD78-410	Hard Drawn 7/8 x 5.8m R410a Rated
THD118-410	Hard Drawn 1-1/8 x 5.8m R410a Rated
THD138-410	Hard Drawn 1-3/8 x 5.8m R410a Rated
THD158-410	Hard Drawn 1-5/8 x 5.8m R410a Rated
INSUL3/8	Tube Insulation 3/8 13mm
INSUL1/2	Tube Insulation 1/2 13mm
INSUL5/8	Tube Insulation 5/8 13mm
INSUL3/4	Tube Insulation 3/4 13mm
INSUL7/8	Tube Insulation 7/8 13mm
INSUL1.3/8	Tube Insulation 1.3/8 13mm
INSUL1.3/8-19	1-3/8" INSULATION 19mm WALL
INSUL1.1/8-19	1-1/8" INSULATION 19mm WALL
INSUL12-19	1-2" INSULATION 19mm WALL
INSUL5/8-19	5/8 Insulation 19mm Wall

SOFT DRAWN COPPER - VALVES



Part	Descriptions
1421G	TUBE CU SOFT DRAWN 1/4" R410A RATED
3821G	TUBE CU SOFT DRAWN 3/8" R410A RATED
1221G	TUBE CU SOFT DRAWN 1/2" R410A RATED
5819G	TUBE CU SOFT DRAWN 5/8" R410A RATED
3418G	TUBE CU SOFT 3/4" (R410a) 2PB

VIBRATION ELIMINATOR/FLARE NUT



Part	Descriptions
501-0404	Flare Nut - R410A rated - 1/4" FSAE
501-0606	Flare Nut - R410A rated - 3/8" FSAE
501-0808	Flare Nut - R410A rated - 1/2" FSAE
501-1010	Flare Nut - R410A rated - 5/8" FSAE
1110-04	Flare Washer (CU) - 1/4 SAE
1110-06	Flare Washer (CU) - 3/8 SAE
1110-08	Flare Washer (CU) - 1/2 SAE
1110-10	Flare Washer (CU) - 5/8 SAE
750002	Access Port.With 1/4 Tube

BALL VALVES



Part	Descriptions
937203	3/8" ID Ball Valve, With Access
937204	1/2" ID Ball Valve, With Access
937205	5/8 ID Ball Valve, With Access
937306	3/4 ID Ball Valve, With Access
907203	3/8" ID Ball Valve, No Access
907205	5/8" ID Ball Valve, No Access

TOTALINE



Refrigerants, Oils & Consumables

SUNISO/CASTROL/VACUUM PUMP OIL

Part	Descriptions
610005	Suniso 3GS Oil Low/Med Temp 4L Mineral
610008	Suniso 4GS Oil Med/High Temp 4L Mineral
610009	Suniso 5GS Oil Automotive Marine 4L Mineral
P903-1025	RL-68 Polyester - 1L
P903-1001	RL-68 Polyester - 4L
P903-1005	RL-68 Polyester - 20L
PP680003	Cp-2931A Synthetic Oil
P903-1220L-A	RL-220 Oil 20L
RL220H-PLUS	RL-220 Oil 5L
VPOQ	Vacuum Pump Oil - 1L
VPOG	Vacuum Pump Oil - 4L
RL32H	RL-32H Oil - 5L
RL46H	RL-46H Oil - 5L

Suniso Oils



RL68 & RL220 Oils



Vacuum Pump Oils



REFRIGERANT/DRIER CORE

Part	Descriptions
740016	R134A Refrigerant
740017	R410A Refrigerant
740018	R407C Refrigerant
740019	R404A Refrigerant
740020	R407F Refrigerant
740021	R449A Refrigerant
740027	R427A Refrigerant
740033	R32 Refrigerant
ALC061617	Alco Uk48 Std Drier Core
ALCOD-48	Alco Std Drier Core

*All Refrigerant prices, please talk to your Account Manager



Refrigerant Range

CRC/PAINT/CHEMICALS

Part	Descriptions
1712	Mechanix Orange Hand Cleaner 400ml
2085	CRC Zinc It 350gm
2089	Black Zinc. 400ml
3055	808 Silicone spray 500ml
5005	CRC 5.56.400ml
5089	Brakleen 600gm
5501	Penetrate Hi Speed Penetrant 500ml
8008	F2 250ml
8132	PVC Pipe Cement 250ml
8136	PVC Pipe Cement 500ml
8314	Clean Room Sealant (White) 300 gm
8337	Galvseal 310ml
8359	Contractors Roof & Plumbing Silicon 310 ml
8490	ADOS Leak Stop 300ml
13130	125MI Pvc Solvent Cement
14503	Aerosol Leak Spray
14610	Rust Converter Aerosol 425gm
650051	Black-It Spraycan.Crc
650056	Zinc It
650071	Bright Zinc
BLD/1	Bubble Leak 1L
BLD/5	Bubble Leak 5L
CDD/1	Coil & Duct Spray 1L
CDD/5	Coil & Duct Spray 5L
CDD/20	Coil & Duct Spray 20L
ECC/1	Evaporator Coil Cleaner 1L
ECC/5	Evaporator Coil Cleaner 5L
ECC/20	Evaporator Coil Cleaner 20L
ECD/1	Eucalyptus Cleaner 1L
ECD/5	Eucalyptus Cleaner 5L
ECD/20	Eucalyptus Cleaner 20L



3055



5501



8337



14610



CDD/1/5/20



ECC/1/5/20

CRC/PAINT/CHEMICALS

Part	Descriptions
FCC/1	Foaming Condenser Cleaner 1L
FCC/5	Foaming Condenser Cleaner 5L
FCC/20	Foaming Condenser Cleaner 20L
FCD/1	Filter Cleaner Degreaser 1L
FCD/5	Filter Cleaner Degreaser 5L
FCD/20	Filter Cleaner Degreaser 20L
NSI/1	Ice Machine Cleaner 1L
NSI/5	Ice Machine Cleaner 5L
NYALICAER	Nyalic Aerosol 340gm
NYALIC-QUART	Nyalic Quart



FCC/1/5/20



FCD/1/5/20

TAPE/GALVANISED STEEL STRAPPING

Part	Descriptions
CHTA001PV -BLACK	Black Pvc Tape 19Mm X 20Mm
CHTA001PV -BLUE	Blue Pvc Tape 19Mm X 20Mm
CHTA001PV -GREEN	Green Pvc Tape 19Mm X 20Mm
CHTA001PV -RED	Red Pvc Tape 19Mm X 20Mm
CHTA001PV -WHITE	White Pvc Tape 19Mm X 20Mm
CHTA001PV -YELLOW	Yellow Pvc Tape 19Mm X 20Mm
CHTA005PV -BLACK	48Mm Black Tape
CHTA005PV -WHITE	48Mm White Tape



CHTA001PV Tape

TAPE/GALVANISED STEEL STRAPPING

Part	Descriptions
CHTA005PV -BLACK	48Mm Black Tape
CHTA005PV -WHITE	48Mm White Tape
P904-0101	Foam Insulation Tape
P921-0005	48Mm Cloth Tape.Tiki #116 - 340011648
P921-0008	48Mm Foil Tape.Tiki #917
P921-0009	48Mm Aluminium Reinforced Foil Tape - 340449348
P921-0021	48Mm Insulation Tape - 340303248BK
P921-0021W	48M Builders White Tape - 340003548
280021	48Mm BG Tape Black or White
SIM055	Multi-hole Suspension Band 0.55x25Mmx25M
SIM055/10	Multi-hole Suspension Band 0.55x25Mmx10M



P904-0101



P921-0008



SIM055



TERMS & CONDITIONS OF SALE

AHI CARRIER (NZ) LIMITED ("AHI CARRIER") TERMS AND CONDITIONS

These terms and conditions apply to all orders placed with and goods and services supplied by AHI Carrier but shall be read subject to the terms of any written quotation provided by AHI Carrier, the Buyer's order, except to the extent of any term or condition which is inconsistent with or qualifies or is contrary to these terms and conditions and any written confirmation of the Buyer's order or other written agreement of AHI Carrier (together "the contract").

1. PRICE

1.1. Prices are based on manufacturer's list price and/or cost of labour and raw materials, exchange rates, freight rates, insurance rates, and customs and GST rates ruling, as far as can be ascertained, at the time of quotation but the price payable by the Buyer shall be the price ruling at the time the goods are delivered to the Buyer or the services performed for the Buyer by AHI Carrier adjusted to take account of any changes in such prices, costs and rates, including any margin. Where there is any change in any laws, regulations, bylaws, codes or standards as a result of which additional costs or expenses are incurred or payable by AHI Carrier, such costs and expenses shall be added to the price and payable by the Buyer.

1.2. All prices are expressed in NZ dollars exclusive of GST and any other taxes, duties and levies, freight, insurance and handling charges and installation costs, all of which shall be added to the price and payable by the Buyer.

1.3. AHI Carrier will not be bound by clerical errors or omissions whether in computation or otherwise in any quotation, acknowledgment or invoice and the same shall be subject to correction.

2. ORDERS

2.1. Except as otherwise permitted by AHI Carrier all orders must be in writing and on AHI Carrier's standard purchase order form (if any). Orders may be faxed or emailed. AHI Carrier will not be liable for any errors in filling the terms of any order not in writing.

2.2. No order shall be binding on AHI Carrier until accepted in writing by AHI Carrier.

2.3. If additions or modifications to the goods and/or services quoted or ordered are requested by the Buyer and accepted in writing by AHI Carrier then the quotation or order will be adjusted to such extent as may be necessary having regard to the nature and extent of such additions or modifications but all other terms of the quotation or order shall continue to apply.

2.4. Orders, once accepted may not be cancelled and goods may not be returned for credit unless otherwise agreed.

2.5. AHI Carrier may make goods available on an installment basis with each installment constituting a separate order with the price being payable accordingly.

3. PAYMENT

3.1. If a deposit is required, it shall be paid immediately upon the Buyer's acceptance of the quotation or, where there is no quotation, immediately upon AHI Carrier's acceptance of the Buyer's order.

3.2. The price for the goods and services (excluding any deposit paid) shall be due and payable by the Buyer immediately upon receipt of invoice unless otherwise stipulated. If AHI Carrier stipulates that its standard credit terms apply, payment shall be due on the 20th of the month after invoice.

3.3. AHI Carrier may claim progress payments if quoted works are delayed or extend beyond one calendar month from commencement of the work.

3.4. Payment shall be made in cleared funds to the nominated account of AHI Carrier or in such other manner as AHI Carrier shall stipulate. Where goods and/or services are supplied overseas, payment shall be made in New Zealand currency at the rate of exchange ruling at the time of payment.

3.5. The Buyer shall not be entitled to withhold payment or make any deductions from or set-off against the contract price.

3.6. Any amount not paid on the due date shall incur interest at the rate of 2.5% per month or part month. Any costs, expenses, disbursements including legal costs (on a solicitor/own client basis) incurred by Carrier in the enforcement of its rights shall be paid by the Buyer on demand.

4. DELIVERY AND INSTALLATION

4.1. AHI Carrier will use all reasonable endeavours (subject to availability) to deliver, and where applicable, install the goods or provide the services at the time requested by the Buyer but will not be liable for any loss or damage whatsoever incurred by the Buyer by reason of any delay in or failure to do so and the Buyer shall not be entitled to cancel any order or refuse to accept delivery or refuse or delay payment as a result thereof.

4.2. Carrier shall be entitled to deliver the goods before the time requested by the Buyer.

4.3. AHI Carrier's delivery obligations shall be limited to making the goods available at its premises unless otherwise agreed by AHI Carrier in writing. Where the goods are to be delivered to the Buyer's premises, the Buyer shall ensure that AHI Carrier has full, free and uninterrupted access to the Buyer's premises to enable the goods to be delivered.

4.4. If the Buyer cannot or will not accept delivery of the goods at the requested date or such other date agreed by AHI Carrier in writing the Buyer shall pay on demand to AHI Carrier any storage charges incurred by AHI Carrier for the goods from the day following the date on which delivery was to be made until the date on which the goods are dispatched to the Buyer.

4.5. The Buyer shall promptly check for correctness in deliveries made and advise AHI Carrier of any discrepancy or shortage in the goods delivered or for any damage thereto. No claim for any discrepancy or shortage in the goods delivered or for any damage thereto will be admitted unless it is made in writing to AHI Carrier within 48 hours of delivery.

4.6. If AHI Carrier has agreed to install the goods or provide services at the Buyer's premises, the Buyer shall (at the Buyer's cost):

(a) Ensure that AHI Carrier has full, free and uninterrupted access to the Buyer's premises in all weathers without interruption or interference as and when specified or requested by AHI Carrier;

(b) Ensure that the Buyer's premises and foundations are structurally sound and in a proper condition for the installation to proceed;

(c) Provide all plant, materials, services and amenities required to be provided by the Buyer at such times and such manner as to cause AHI Carrier no delay in carrying out the installation;

(d) Provide safe and secure on site storage for materials and accessories supplied and used by AHI Carrier; and

(e) Obtain any license, permit, certificate or approval required to enable Carrier to carry out the installation.

4.7. If the Buyer does not comply with its obligations under this clause, the Buyer shall pay any additional costs or expenses incurred by AHI Carrier on demand.

5. RISK

5.1. Unless otherwise agreed by AHI Carrier in writing, the risk of any loss or damage to or deterioration of the goods shall pass to the Buyer when those items are removed from AHI Carrier's premises and it shall be the Buyer's responsibility to insure the goods from that time.

5.2. The risk of any loss or damage to or deterioration of any works carried out by AHI Carrier at the Buyer's premises shall pass to the Buyer when those works are no longer under AHI Carrier's direct control.

6. OWNERSHIP

6.1. Ownership of the goods will not pass to the Buyer until the Buyer has paid all monies owing to AHI Carrier (whether or not for the goods). Until such payment is made, ownership of the goods will remain with AHI Carrier and the Buyer will hold the goods as bailee for AHI Carrier with AHI Carrier having the irrevocable right to enter the Buyer's premises and disable or take possession of the goods at any time after payment is due and without being responsible for any damage caused thereby. The Buyer hereby indemnifies and agrees to hold harmless AHI Carrier from and against any costs associated with disabling (and subsequently re-enabling) or repossessing the goods and any damage howsoever caused in relation thereto including consequential loss or damage to any third party to the Buyer.

6.2. If the Buyer resells the goods or any of them before payment is made, the Buyer shall hold the sale proceeds for and account of AHI Carrier. The Buyer shall ensure that any sale proceeds are paid into a separate bank account so that the proceeds are identifiable and traceable. If the Buyer resells the goods or any of them so as to create a debt owed to the Buyer, the Buyer hereby assigns all legal and equitable title to that debt to AHI Carrier and the Buyer hereby irrevocably appoints AHI Carrier as its attorney with all powers permitted by law for the purpose of effecting any such assignment and recovery of any such debt in the name of the Buyer for the benefit of AHI Carrier.

7. SECURITY

7.1. The Buyer acknowledges that these terms and conditions create a security interest in the goods and any proceeds of the sale of the goods as security for all of the Buyer's obligations to AHI Carrier pursuant to the Personal Property Securities Act 1999 ("the PPSA") in respect of which AHI Carrier may register a financing statement

7.2. The Buyer shall provide all information, execute or arrange for execution of all documents and do all other things that AHI Carrier may require to ensure that

AHI Carrier has a perfected first ranking security interest in the goods under the PPSA.

7.3. The Buyer shall immediately upon request by AHI Carrier, procure from any person considered by AHI Carrier to be relevant to its security position such agreements and waivers as AHI Carrier may at any time require.

7.4. The Buyer shall immediately notify AHI Carrier of any change in the Buyer's name, address details and any other information provided to AHI Carrier to enable AHI Carrier to register a financing change statement if required.

7.5. The Buyer waives its rights to receive a verification statement in respect of any financing statement or financing change statement registered by or on behalf of AHI Carrier under the PPSA and agrees that as between AHI Carrier and the Buyer the Buyer will have no rights under (or by reference to) sections 114(1)(a), 116, 117(1)(c), 119, 120(2), 121, 125, 129, 131, 132, 133 and 134 of the PPSA and where AHI Carrier has rights in addition to those in part 9 of the PPSA, those rights shall continue to apply.

7.6. In addition to the security interest in the goods, the Buyer hereby charges in favour of AHI Carrier all right, title and interest of the Buyer in and to the Buyer's premises as further security for the performance of the Buyer's obligations under the contract and agrees that AHI Carrier may register a caveat in respect of the security hereby created.

8. SPECIFICATIONS

8.1. Dimensions and specifications contained or referred to in the contract or in any catalogues or other publications made available by AHI Carrier are estimates only and the goods supplied may not correspond precisely with such dimensions and specifications. The goods will usually be expected to operate within customary or reasonable tolerances but no warranty is given in this regard.

8.2. AHI Carrier reserves the right to make minor modifications to the goods ordered. Any major modifications to the goods must be agreed in writing by the parties.

8.3. Any information provided by AHI Carrier concerning performance capability, noise and/or vibration levels of the goods is given only for advice or guidance and AHI Carrier does not give any warranty or contractual undertaking of any nature whatsoever that such performance or such levels will be achieved or met following installation or operation.

9. WARRANTIES

9.1. Where goods and/or services are supplied to the Buyer by AHI Carrier on the basis of AHI Carrier's Warranty Policy, the only warranties given by AHI Carrier are set out in the Warranty Policy. Where the Warranty Policy applies the extent of AHI Carrier's liability for breach of its express warranties and the procedure for claims are set out in the Warranty Policy.

9.2. In all other cases, AHI Carrier warrants in respect of any defects in material or workmanship in new goods arising within the periods specified in the quotation or confirmation of Buyers order or, where no time is specified, within 12 months from the date of delivery or the installation of the goods by AHI Carrier (whichever is the later) that AHI Carrier will at its sole discretion, replace the defective goods or parts thereof or repair or make good the defects or allow a credit in respect of the goods. No claim will be accepted under this warranty unless written notice of the claim is received by AHI Carrier as soon as reasonably possible after the defect is discovered nor shall any claim be accepted if any attempt to repair any defect is made by any person not authorized by AHI Carrier to effect such repairs. Should AHI Carrier elect to replace any defective goods or parts thereof or repair any defects, the Buyer shall, at its costs, deliver the goods to AHI Carrier or to such other place or places as AHI Carrier may specify.

9.3. AHI Carrier further warrants in respect of packaged liquid chillers and complete refrigerant systems supplied by AHI Carrier as self-contained packaged air conditioning units that, for any applicable period of warranty (and in any event for no longer than 18 months from the date of supply) AHI Carrier will replace refrigerant loss from the equipment caused by any defect in AHI Carrier's goods, materials or workmanship. The replacement of refrigerant by AHI Carrier does not apply where the goods have been abused, misused or adjusted by unauthorized personnel. This warranty will not apply if Carrier does not supply the complete refrigerant system.

9.4. Notwithstanding the above, no warranty is provided in respect of second hand or re-conditioned goods.

9.5. If the Buyer enters into a Service Contract with AHI Carrier in respect of any goods, the Buyer's rights under this clause will be satisfied by the warranty credit specified in the Service Contract, which shall cover the maintenance and servicing of the goods to the exclusion of this contract

with effect from the installation date. AHI Carrier may defer without penalty any maintenance service, to be provided by it for any goods sold, so long as any amounts remain overdue for payment or any credit limit is exceeded by the Buyer.

9.6. All other conditions, guarantees, warranties and assurances of any kind other than those provided above are excluded to the fullest extent permitted by law. The provisions of the Consumers Guarantees Act 1993 are excluded where the Buyer acquires the goods and/or services or holds out that the goods and/or services are being acquired for business purposes.

9.7. AHI Carrier shall not be liable for any representation or statement which is not included in these terms and conditions or any quotation or confirmation of Buyer's order. No agent, employee or representative of AHI Carrier is authorized to make or give any representations, conditions, guarantees or warranties which are not confirmed by AHI Carrier in writing.

10. LIMITATION OF LIABILITY

10.1. To the fullest extent permitted by law, AHI Carrier shall not be liable whether in contract, tort (including negligence) or otherwise for any direct, indirect or consequential loss, damage or injury arising out of the manufacture, sale, delivery, installation, existence or use of the goods or supply of the services.

10.2. Regardless of the legal basis of any claim, AHI Carrier's maximum liability to the Buyer under any circumstances shall be limited to the price paid for the goods and/or services in relation to which the claim relates.

11. FORCE MAJEURE

11.1. AHI Carrier's obligations shall be suspended during any period in which AHI Carrier may be prevented or hindered from carrying out its obligations, through any circumstances outside its reasonable control. AHI Carrier shall not be under any liability in respect of such suspension and in particular AHI Carrier shall be under no obligation to deliver at any particular future date any goods not delivered during the period of suspension.

12. SERVANTS AND AGENTS

12.1. All references in these terms and conditions to AHI Carrier shall, where appropriate to the context, include the servants, employees and agents of AHI Carrier and every exception, limitation, condition and liberty contained and every right, exemption from liability, defence and immunity of whatsoever nature to which AHI Carrier is entitled under these terms and conditions shall also be available and shall extend to protect every such servant, employee or agent of AHI Carrier.

13. ASSIGNMENT

13.1. Unless otherwise agreed in writing, the Buyer will not assign either the benefit or the burden of the contract with AHI Carrier.

13.2. AHI Carrier shall be entitled to assign to any other person or company all or any part of AHI Carrier's right, title and interest under the contract.

14. DEFAULT BY THE BUYER

14.1. If:

(a) The Buyer fails to comply with any of its obligations under these terms and conditions; or

(b) The Buyer goes into liquidation or if an individual, commits any act of bankruptcy; or

(c) A receiver, manager, statutory manager, administrator or like person is appointed in relation to the Buyer or any of its assets; or

(d) The Buyer enters into any compromise with creditors; or

(e) Any distress or execution is levied against the Buyer's property or any judgment or any court against the Buyer remains unsatisfied for more than 7 days; or

(f) AHI Carrier reasonably believes that the Buyer is insolvent or is a credit risk; or

(g) Any of these events occur in relation to or by any guarantor of the Buyer's obligations; then AHI Carrier may exercise any one or more of the following remedies, without prejudice to any other rights or remedies which it may have:

(a) Declare all unpaid moneys to be immediately due and payable;

(b) Cancel any credit terms or discounts in favour of the Buyer and require payment in cash;

(c) Suspend performance of its obligations until the provision of sufficient security (such suspension shall not prevent AHI Carrier from terminating the contract

during the period of suspension); and/or

(d) Cancel and retain as liquidated damages any monies paid by the Buyer and sue the Buyer for damages.

14.2. In addition to any right to recover damages against the Buyer for breach of these terms and conditions (irrespective of whether AHI Carrier cancels the contract), the Buyer hereby indemnifies and agrees to hold harmless AHI Carrier from and against all cost, expenses and losses it may suffer as a result of any breach of these terms and conditions by the Buyer.

15. INTELLECTUAL PROPERTY

15.1. Copyright in all drawings, specifications and other technical information provided to the Buyer by AHI Carrier is vested in AHI Carrier.

15.2. If any goods are to be supplied to the Buyer's design, the Buyer warrants as an essential term that the manufacture and supply of the goods by AHI Carrier will not infringe any patent, copyright, registered design or other rights of any person and the Buyer hereby indemnifies and agrees to hold harmless AHI Carrier from and against any liability incurred by AHI Carrier including any costs and expenses if any claim is made by the manufacturer or supplier of such goods by AHI Carrier infringes any patent, copyright or other rights of any other person.

16. WAIVER AND VARIATION

16.1. No delay forbearance, indulgence or neglect by AHI Carrier shall constitute a waiver of any breach, right or remedy under the contract. AHI Carrier shall not be deemed to have waived any breach, right or remedy unless the waiver is in writing by AHI Carrier or by a person duly authorized by AHI Carrier

16.2. Without affecting orders which have already been accepted, AHI Carrier may alter or replace these terms and conditions at any time and all orders placed subsequently shall be on the altered or replaced terms and conditions.

17. GOVERNING LAW

17.1. These terms and conditions shall be governed by and construed in accordance with the Laws of New Zealand and the parties shall submit to the non-exclusive jurisdiction of the New Zealand Courts. In the event of any dispute arising, any proceedings will be held in Auckland, New Zealand.

17.2. The provisions of the United Nations Convention on the International Sale of Goods shall not apply to any goods supplied pursuant to these terms and conditions.

EASE OF INSTALLATION

**FACTORY™
AUTHORIZED
PARTS**

ENGINEERED QUALITY

TOTALINE

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