



HVAC SPARE PARTS CATALOGUE



SPECIAL VEHICLES



KNORR-BREMSE

SPC30622

SIGMA
BUILT FOR THE TOUGHEST AIR CONDITIONS

The SIGMA T SERIES severe-duty range of mobile air conditioners are designed for applications where very high levels of shock, vibration and dust laden corrosive environments are experienced and the applications require high cooling and heating capacity. They suit production critical earthmoving, quarry and mining equipment.



SERIES

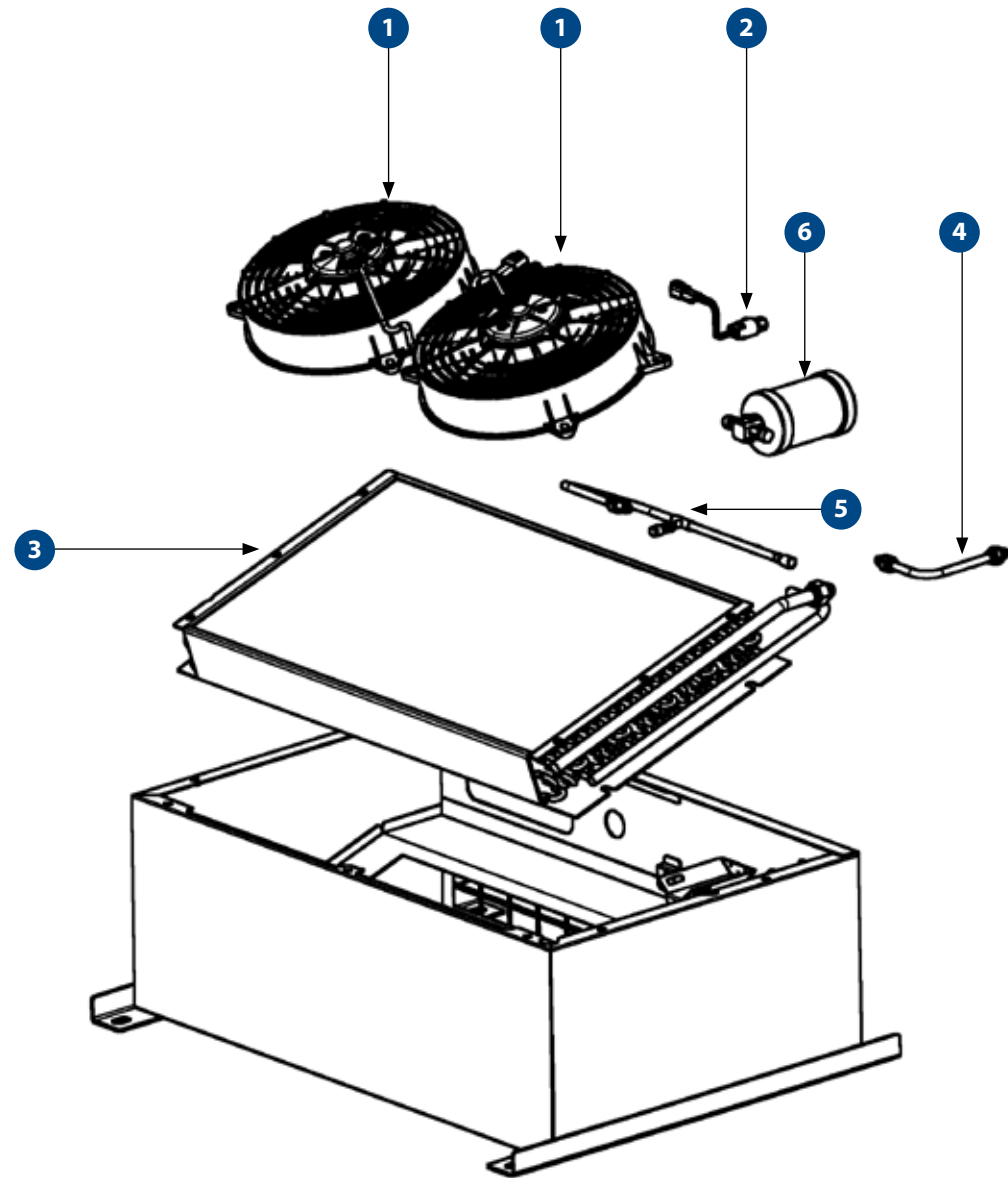
OVERVIEW
PRESSURISERS
E SERIES
H SERIES
M SERIES
T SERIES
PILOT CONTROL BOXES
SERVICABLE PARTS
UNDERSTANDING HVAC
POLICIES



TCF6BX2

ROOFTOP CONDENSER

H0095174
Wall Mount Condenser 6kW 24V



SPARE PARTS

PART NO.	DESCRIPTION	QTY
1 H0144118	CONDENSER FAN ASSEMBLY	2
2 H0148597	HIGH PRESSURE SWITCH ASSEMBLY	1
3 H0095176	CONDENSER COIL 650MM X 381MM X 66MM 4R	1
4 H0095336	LIQUID LINE ASSEMBLY - RECEIVER DRIER OUT	1
5 H0095339	LIQUID LINE ASSEMBLY - RECEIVER DRIER IN	1
6 AU531422	RECEIVER DRIER	1

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	6.0 kW	20472 BTU
Fan Speeds	1	1
Power Supply	24 V	24 V
Current Draw	11 A	11 A
Refrigerant	R134a	R134a
Minimum Ambient Temperature	-10°C	14°F
Maximum Ambient Temperature	54°C	129°F
Weight (nominal)	35.0 Kg	77.0 lbs
Dimension (L X W X H)	792mm X 515mm X 377mm	31.2in X 20.3in X 14.8in

MAINTENANCE

ANNUAL / 4,800 HOURS

AU531422	RECEIVER DRIER
H0144118	CONDENSER FAN ASSEMBLY
3 YEARS / 14,400 HOURS	
H0148597	HIGH PRESSURE SWITCH ASSEMBLY

Please contact SIGMA for more information including details on an overhaul scope and interval.
Maintenance periods and scope are dependent on application and site conditions, and are to be used as a guide.

COMPANION ITEMS

PART NO.	DESCRIPTION
TFC6BX2	Rooftop Evaporator (6kW)
EB9P4X	Fresh Air Pressuriser
H0017481	Hydraulic Compressor

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	7.0 kW	23884 BTU
Fan Speeds	1	1
Air Flow	650 l/s	1377 CFM
Power Supply	24V	24V
Current Draw	20 A	20 A
Refrigerant	R134a	R134a
Maximum Ambient Temperature	54°C	129°F
Weight (nominal)	35.0 Kg	77.0 lbs
Dimension (L X W X H)	523mm X 856mm X 311mm	20.6in X 33.7in X 12.2in

MAINTENANCE

6 MONTHS / 2,400 HOURS

AU320621 BRUSH MOTOR 24VDC EACH

ANNUAL / 4,800 HOURS

AU531357 DRIER 3/8" MF

AU531411 RECEIVER DRIER 3/8" 24UNF165MM HIGH

UE026 MOTOR 0.14W 24VDC S/S

3 YEARS / 14,400 HOURS

AU523655 HIGH PRESSURE SWITCH 1/4" FF 2415kPa

Please contact SIGMA for more information including details on an overhaul scope and interval.
Maintenance periods and scope are dependent on application and site conditions, and are to be used as a guide.

COMPANION ITEMS

PART NO.	DESCRIPTION
TFR7BX2	Rooftop Evaporator (7kW)
EB9P4X	Pressuriser
H0017479	Hydraulic Compressor
H0017481	Hydraulic Compressor
AU270307E	Engine Driven Compressor
AU2790311E	Engine Driven Compressor
AU270312E	Engine Driven Compressor

SPARE PARTS

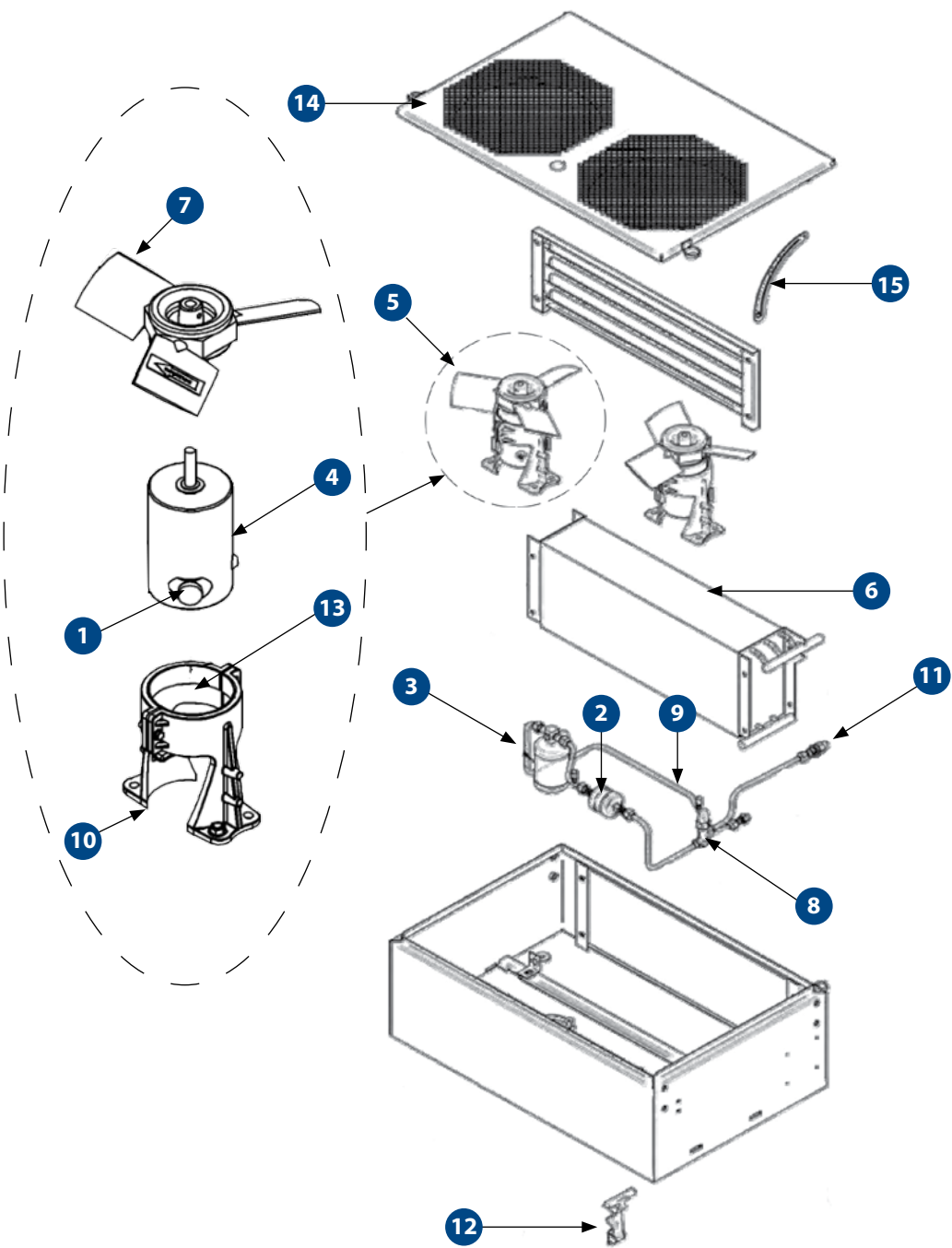
PART NO.	DESCRIPTION	QTY
1 AU320621	BRUSH MOTOR 24VDC EACH	4
2 AU531357	DRIER 3/8" MF	1
3 AU531411	RECEIVER DRIER 3/8" 24UNF 165MM HIGH	1
4 UE026	MOTOR 0.14kW 24VDC S/S	2
5 AS5000170	CONDENSER FAN ASSEMBLY 24V	2
AU110631	CONDENSER COIL 600 MM X 229MM X 132MM 6RW (TCF7BX1)	1
6 AU110029	CONDENSER COIL 600MM X 229MM X 132MM 6R (TCF7BX2)	1
7 AU420229	FAN AXIAL 300MM 3 BLADES LB	2
8 AU517254	PCAV 3/8" SOLDER	2
9 AU517505	VALVE ACCESS 1/4" 1/8" OD SOLDER	1
10 UC028	CONDENSER MOTOR MOUNT	4
11 UR009	BULKHEAD FITTING 3/8" MF #6 (TCF7BX1)	1
AU512C065	BULKHEAD FITTING O-RING 3/8" (TCF7BX2)	1
12 AU851590	TOGGLE CLAMP RUBBER (TCF7BX2)	2
13 AU935432	FLAT NEOPRENE EXTRUSION	2
14 AS5000125	CONDENSER LID W/ASSEMBLY	1
15 S5000149	LID PROP	1
AU523655	HIGH PRESSURE SWITCH 1/4" FF 2415kPa	1
AS515203	LIQUID LINE VALVE TO DRIER	3
AS515204	LIQUID LINE DRIER TO RECEIVER	3
AS515205	LIQUID LINE RECEIVER TO VALVE	3

TCF7 ROOFTOP CONDENSER

TCF7BX1*
Rooftop Condenser 7kW 24V with Flare Fittings

TCF7BX2
Rooftop Condenser 7kW 24V with O-Ring Fittings

* HVAC obsolete, spares support only





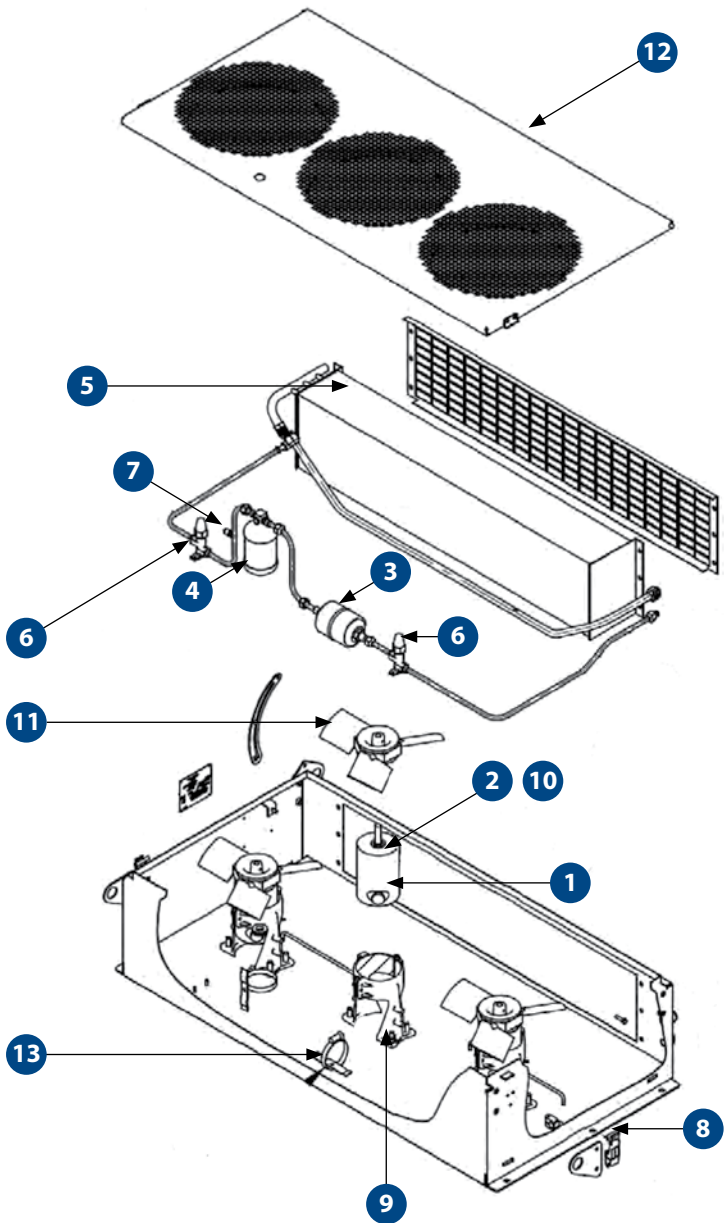
TCF8

FLOOR MOUNTED CONDENSER

TCF8BX1*
Floor Mounted Condenser 8kW 24V Hinged Lid

TCF8BX2
Floor Mounted Condenser 8kW 24V Removable Lid

* HVAC obsolete, spares support only



SPARE PARTS

PART NO.	DESCRIPTION	QTY
1 AU320622	BRUSH MOTOR 24VDC EACH HEAVY DUTY	6
2 H0039230	MOTOR UE026 WITH UPGRADED BRUSH	3
3 AU531138	DRIER 3/8" MF	1
4 AU531411	RECEIVER DRIER 3/8" 24UNF 165MM HIGH	1
5 AU110009	CONDENSER COIL 946MM X 203MM X 132MM 6RW TCF8	1
6 AU517254	PCAV 3/8" SOLDER	2
7 AU517505	VALVE ACCESS 1/4" 1/8" OD SOLDER	1
8 AU851593	LATCH TOGGLE WITH MANUAL SAFETY LOCK (TCF8BX1) LATCH TOGGLE WITH MANUAL SAFETY LOCK (TCF8 BX2)	2 4
9 UC028	CONDENSER MOTOR MOUNT-SUIT UE025/26	6
10 UE026	MOTOR 0.14W 24VDC S/S	3
11 AU420229	FAN AXIAL 300MM 3 BLADES LB	3
12 AS520725 AS327833	LID ASSEMBLY (TCF8BX1) LID ASSEMBLY (TCF8BX2)	1 1
13 AU553654	CLAMP UTILUX NO 4 SS	2
AS327817	LIQUID LINE - COIL TO VALVE ASSEMBLY	1
AS327818	LIQUID LINE - VALVE TO FILTER ASSEMBLY	1
AS327825	LIQUID LINE - FILTER TO VALVE ASSEMBLY	1
AU523655	HIGH PRESSURE SWITCH 1/4" FF 2415kPa	1

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	8.0 kW	27296 BTU
Fan Speeds	1	1
Air Flow	980 l/s	2077 CFM
Power Supply	24V	24V
Current Draw	30 A	30 A
Refrigerant	R134a	R134a
Maximum Ambient Temperature	54°C	129°F
Weight (nominal)	50.0 Kg	110.0 lbs
Technical Manual Reference	SM278-2715	SM278-2715
Dimension (L X W X H)	1236mm X 600mm X 294 mm	48.7in X 23.6in X 11.6in

MAINTENANCE

6 MONTHS / 2,400 HOURS	
AU320622	BRUSH MOTOR 24VDC EACH HEAVY DUTY
ANNUAL / 4,800 HOURS	
H0039230	MOTOR UE026 WITH UPGRADED BRUSH
AU531138	DRIER 3/8" MF
AU531411	RECEIVER DRIER 3/8" 24UNF165MM HIGH
3 YEARS / 14,400 HOURS	
AU523655	HIGH PRESSURE SWITCH 1/4" FF 2415kPa

Please contact SIGMA for more information including details on an overhaul scope and interval.
Maintenance periods and scope are dependent on application and site conditions, and are to be used as a guide.

COMPANION ITEMS

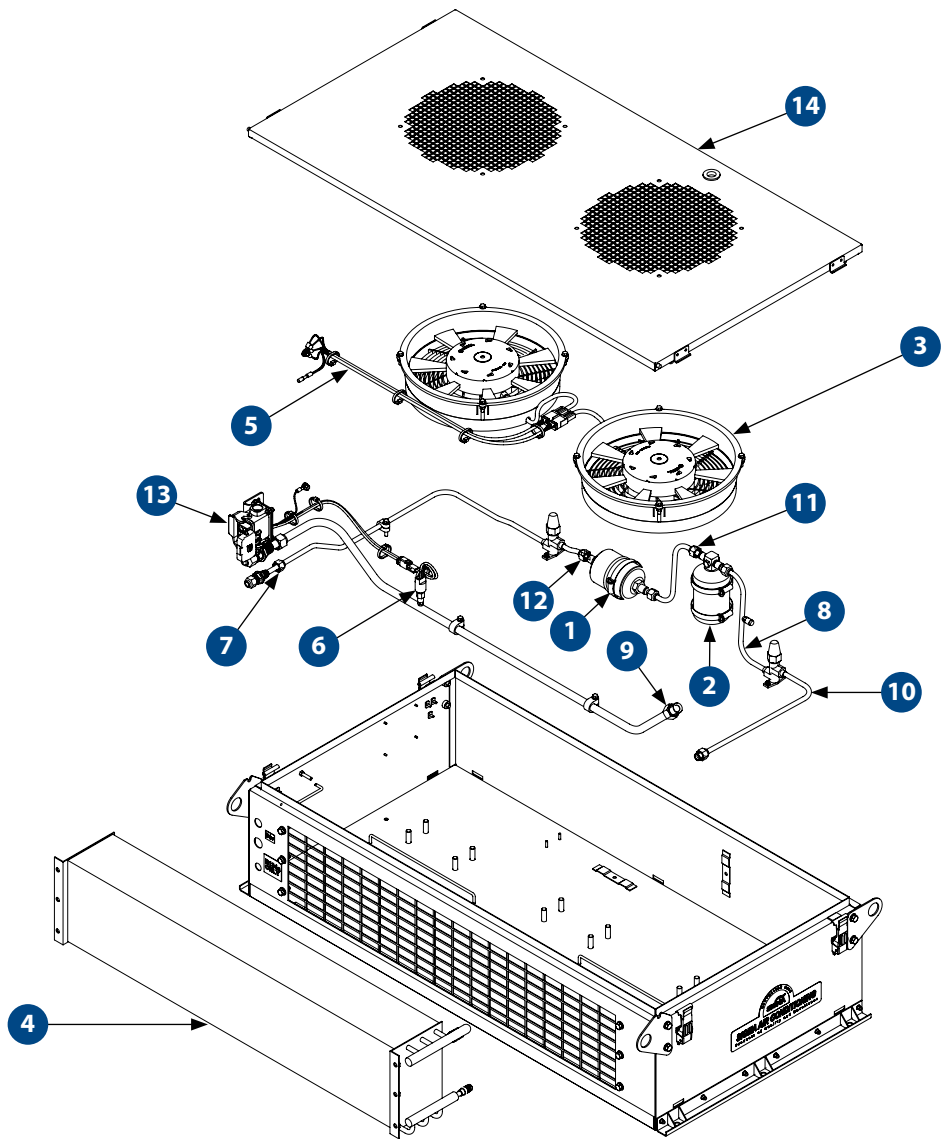
PART NO.	DESCRIPTION
TFC8BX1	8kW Evaporator Unit 24VDC
TFC8BX2	8kW Evaporator Unit 24VDC C/W 415 Heating
EB9P4X	Pressuriser
H0017489	Hydraulic Compressor
H0017493	Hydraulic Compressor
AU260203	Compressor 3Ph
H0193262	Brushless Fan Assembly Kit



TCF8BX6

FLOOR MOUNTED CONDENSER

H0235424
Floor Mounted Condenser 8kW 24V Removable Lid with Brushless fan



SPARE PARTS

PART NO.	DESCRIPTION	QTY
1 AU531138	DRIER 3/8" MF	1
2 AU531411	RECEIVER DRIER 3/8" 24UNF 165MM HIGH	1
3 H0192021	AXIAL BRUSHLESS FAN 24VDC DIA 305MM	2
4 AU110009	CONDENSER COIL 946X203X132MM 6RW	1
5 H0184113	WIRING HARNESS ASSEMBLY	2
6 AU523655	HIGH PRESSURE SWITCH 1/4" FF 2415KPA	1
7 AS327820	BULKHEAD TO VALVE LINE ASSEMBLY	1
8 AS327818	LIQUID LINE - VALVE TO FILTER ASSEMBLY	1
9 AS327821	DISCHARGE LINE ASSEMBLY	1
10 AS327817	LIQUID LINE - COIL TO VALVE ASSEMBLY	1
11 AS327819	VALVE TO FILTER TUBE ASSEMBLY	1
12 AS327825	LIQUID LINE - FILTER TO VALVE ASSEMBLY	1
13 H0234526	BULKHEAD HOUSING, SIDE ENTRY	1
14 H0192013	CONDENSER COVER ASSEMBLY	1

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	8.0 kW	27296 BTU
Fan Speeds	1	1
Air Flow	980 l/s	2077 CFM
Power Supply	24V	24V
Current Draw	30 A	30 A
Refrigerant	R134a	R134a
Maximum Ambient Temperature	54°C	129°F
Weight (nominal)	50.0 Kg	110.0 lbs
Dimension (L X W X H)	1236mm X 600mm X 294 mm	48.7in X 23.6in X 11.6in

MAINTENANCE

ANNUAL / 4,800 HOURS

AU531138	DRIER 3/8" MF
AU531411	RECEIVER DRIER 3/8" 24UNF165MM HIGH
3 YEARS / 14,400 HOURS	
AU523655	HIGH PRESSURE SWITCH 1/4" FF 2415kPa
H0192021	FAN BRUSHLESS 24VDC Ø305mm

Please contact SIGMA for more information including details on an overhaul scope and interval. Maintenance periods and scope are dependent on application and site conditions, and are to be used as a guide.

COMPANION ITEMS

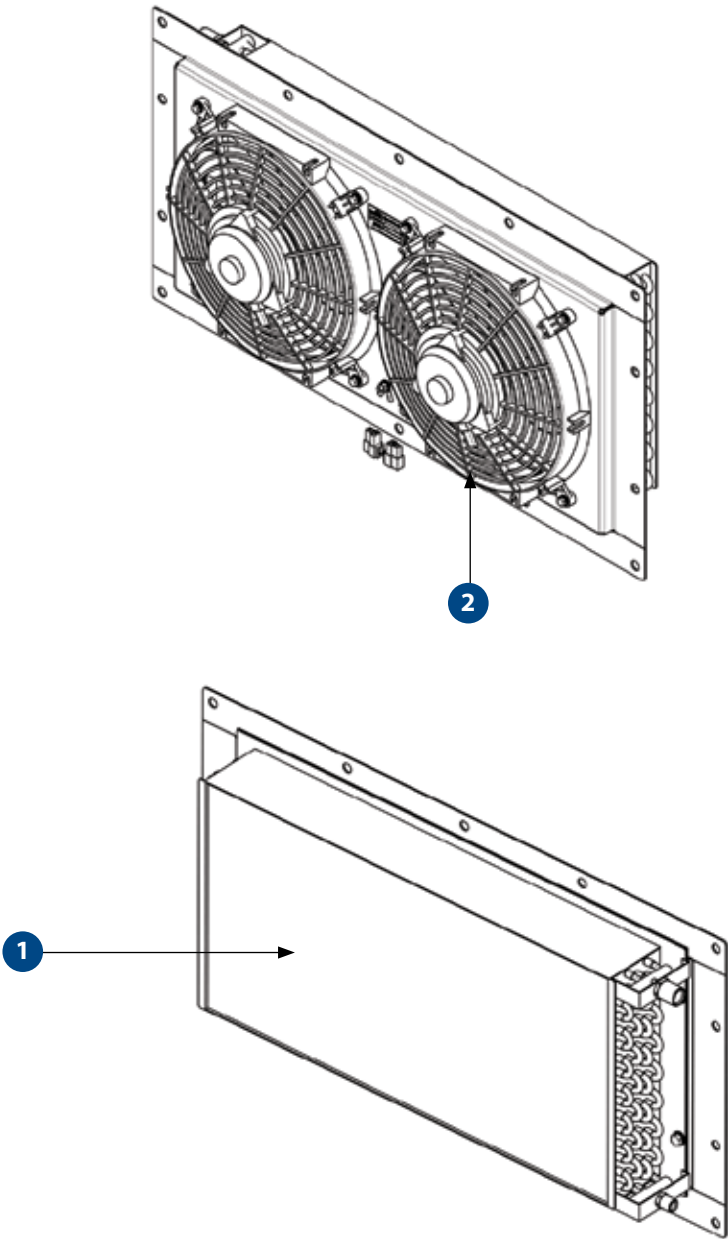
PART NO.	DESCRIPTION
TFC8BX1	8kW Evaporator Unit 24VDC
TFC8BX2	8kW Evaporator Unit 24VDC C/W 415 Heating
EB9P4X	Pressuriser
H0017489	Hydraulic Compressor
H0017493	Hydraulic Compressor
AU260203	Compressor 3Ph 60Hz



TCW5

WALL MOUNTED CONDENSER

TCW5BX1
Wall Mounted Condenser 5kW 24V Captive 'O'Ring



SPARE PARTS

PART NO.	DESCRIPTION	QTY
1	H0039196 CONDENSER COIL 600MM X 305MM X 66MM 4RW (TCW5BX1)	1
	H0095147 CONDENSER COIL 600MM X 305MM X 66MM 4RW (TCW5B2)	1
2	H0051777 FAN AXIAL ASSEMBLY 280MM 24VDC	2

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	4.0 kW	13648 BTU
Fan Speeds	1	1
Air Flow	500 l/s	1059 CFM
Power Supply	24 VDC	24 VDC
Current Draw	8 A	8 A
Refrigerant	R134a	R134a
Maximum Ambient Temperature	54°C	129°F
Weight (nominal)	19.0 Kg	41.9 lbs
Technical Manual Reference	-	-
Dimension (L X W X H)	780mm X 400mm X 196mm	30.7in X 15.7in X 7.7in

MAINTENANCE

ANNUAL / 4,800 HOURS	
H0051777	FAN AXIAL ASSEMBLY 280MM 24VDC
Please contact SIGMA for more information including details on an overhaul scope and interval. Maintenance periods and scope are dependent on application and site conditions, and are to be used as a guide.	

COMPANION ITEMS

PART NO.	DESCRIPTION
TFF5BX1	5kW Evaporator Floor Mounted 12V
TFF5BX2	5kW Evaporator Floor Mounted 24V
EB9P4X	Pressuriser
HDC150	Hydraulic Compressor
AU2961001	Electric Compressor
AU270312	Engine Driven Compressor
AU270311	Engine Driven Compressor
H0081855	Receiver Drier
AU531422	Receiver Drier
KNHV90043	Fitting Kit
KNHV90044	Installation Kits



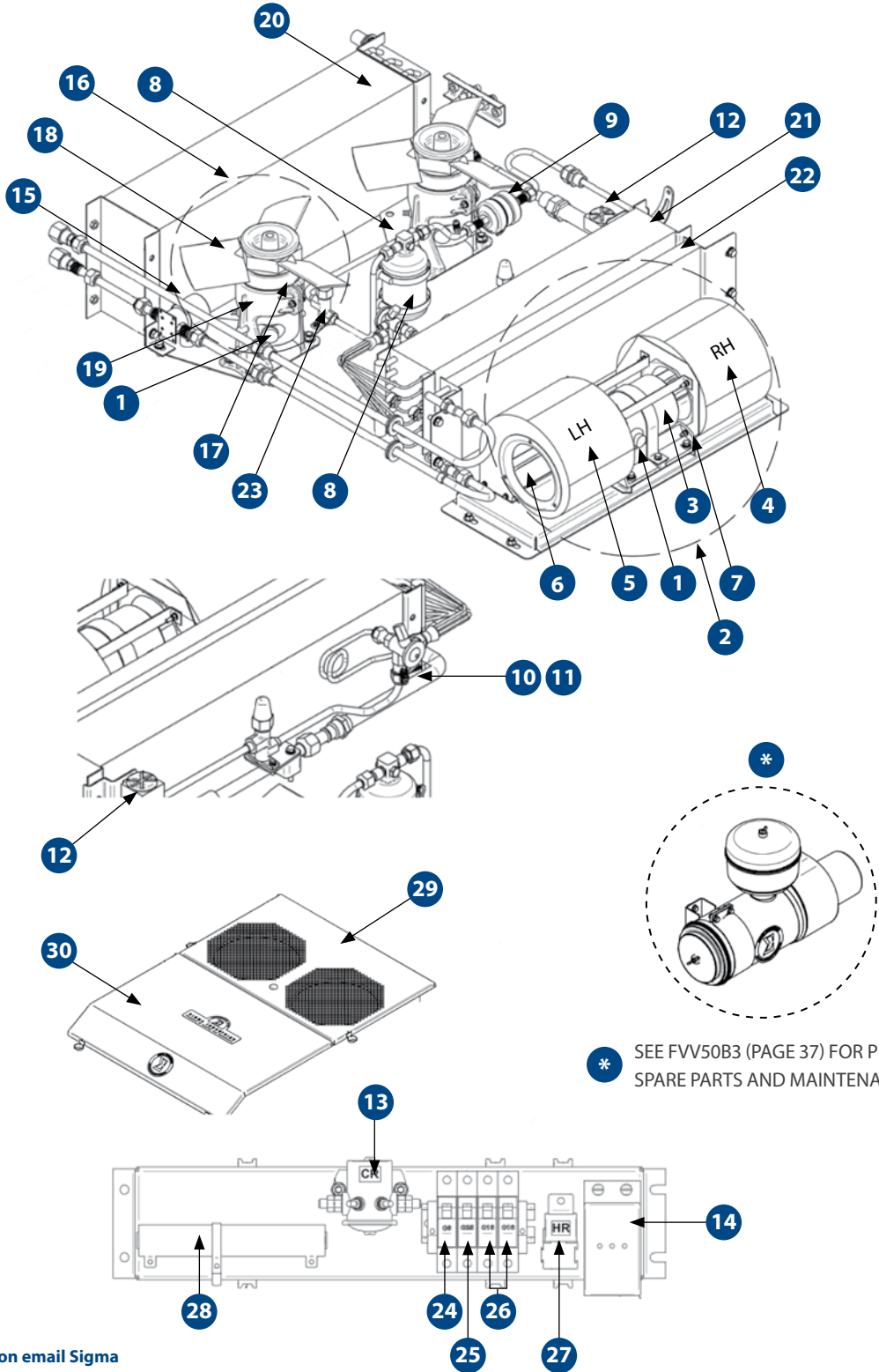
TDR7

TRUCK ROOFTOP HVAC UNIT

TDR7BX1*
Rooftop Packaged Evaporator and Condenser 7kW
24V Heating (10kW) with Heating (6kW) Flare Fittings

TDR7BX2
Rooftop Packaged Evaporator and Condenser 7kW
24V Heating (10kW) with Heating (6kW) O-Ring Fittings

* HVAC obsolete, spares support only



SPARE PARTS

PART NO.	DESCRIPTION	QTY
MC044S	RETURN AIR FILTER ASSEMBLY	1
1 AU320621	BRUSH MOTOR 24VDC EACH	6
2 AS5000224	EVAPORATOR FAN ASSEMBLY 24V	1
3 UE023	MOTOR 0.14W 24VDC D/S	1
4 AS5000222	BLOWER HOUSING W/ASSEMBLY RH	1
5 AS5000223	BLOWER HOUSING W/ASSEMBLY LH	1
6 UF171	BLOWER 121D X 127W X 3/8" DUAL INLET	2
7 UC027	EVAPORATOR MOTOR MOUNT SUIT	1
8 AU531411	RECEIVER DRIER 3/8" 24UNF165MM HIGH	1
9 AU531357	DRIER 3/8" MF	1
10 AU521509	TX VALVE 2T 3/8" IN 1/2" OUT 1/4" EQ R134A	1
11 AU521508	TX ORIFICE 2T R22 #06	1
12 UE016	THERMOSTAT DEICE STUD	1
13 UE072	RELAY 24VDC 70A AUTOMOTIVE	1
14 AU681925	THERMOSTAT 12 - 24 VDC WITH SENSOR + POT	1
15 UE057	VALVE SOLENOID 1/4" BSP 24VDC WATER	1
16 AS5000170	CONDENSER FAN ASSEMBLY 24V	2
17 UE026	MOTOR 0.14W 24VDC S/S	2
18 AU420229	FAN AXIAL 300MM 3 BLADES LB	2
19 UC028	CONDENSER MOTOR MOUNT SUIT UE025/26	4
20 AU110631	CONDENSER COIL 600 X 229 X 132 6RW (TDR7BX1)	1
AU110029	CONDENSER COIL 600 X 229 X 123 6RW (TDR7BX2)	1
21 AU120954	EVAPORATOR COIL 570MM X 152MM X 95MM 6RW	1
22 AU130002	HEATER COIL 570 X 152 X 32 2RW	1
23 AU517254	PCAV 3/8" SOLDER	2
24 AU641091	CIRCUIT BREAKER 6A 1 POLE	1
25 AU641092	CIRCUIT BREAKER 25A 1 POLE	1
26 AU641119	CIRCUIT BREAKER 16A 1 POLE	2

* SEE FVV50B3 (PAGE 37) FOR PRESSURISER SPARE PARTS AND MAINTENANCE

SPARE PARTS LIST CONTINUED NEXT PAGE

153 For more information email Sigma
mid. aus@sigma-hvac.com

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	7.0 kW	23884 BTU
Heating Capacity	6.0 kW	20472 BTU
Fan Speeds	3	3
Air Flow	250 l/s	530 CFM
Fresh Air	30 l/s	64 CFM
Power Supply	24V	24V
Current Draw	33.5 A	33.5 A
Refrigerant	R134a	R134a
Maximum Ambient Temperature	54°C	129°F
Weight (nominal)	110.0 Kg	242.0 lbs
Technical Manual Reference	SM395-5000	SM395-5000
Dimension (L X W X H)	1100mm X 800mm X 288mm	43.3in X 31.5in X 11.3in

MAINTENANCE

MONTHLY / 400 HOURS

MC044S RETURN AIR FILTER ASSEMBLY

6 MONTHS / 2,400 HOURS

AU320621 BRUSH MOTOR 24VDC EACH
AU320028 MOTOR BRUSH KIT - ASSEMBLY + HOLDER

ANNUAL / 4,800 HOURS

UE023 MOTOR 0.14W 24VDC D/S
AU531411 RECEIVER DRIER 3/8" 24UNF165MM HIGH
AU531357 DRIER 3/8" MF
UE026 MOTOR 0.14W 24VDC S/S
AU320C007 MOTOR SINGLE SHAFT

3 YEARS / 14,400 HOURS

AU521509 TX VALVE 2T 3/8"IN 1/2"OUT 1/4"EQ R134a
AU521508 TX ORIFICE 2T R22 #06
UE016 THERMOSTAT DEICE STUD
UE072 RELAY 24VDC 70A AUTOMOTIVE
AU681925 THERMOSTAT 12-24VDC WITH SENSOR + POT
AU523655 HIGH PRESSURE SWITCH 1/4" FF 2415kPa
AU523365 LOW PRESSURE SWITCH 1/4" FF 205kPa
AU862211 LID RUBBER SEAL

Please contact SIGMA for more information including details on an overhaul scope and interval.
Maintenance periods and scope are dependent on application and site conditions, and are to be used as a guide.

COMPANION ITEMS

PART NO.	DESCRIPTION
H0017479	Hydraulic Compressor
H0017481	Hydraulic Compressor
AU270306	Engine Driven Compressor
AU270307	Engine Driven Compressor



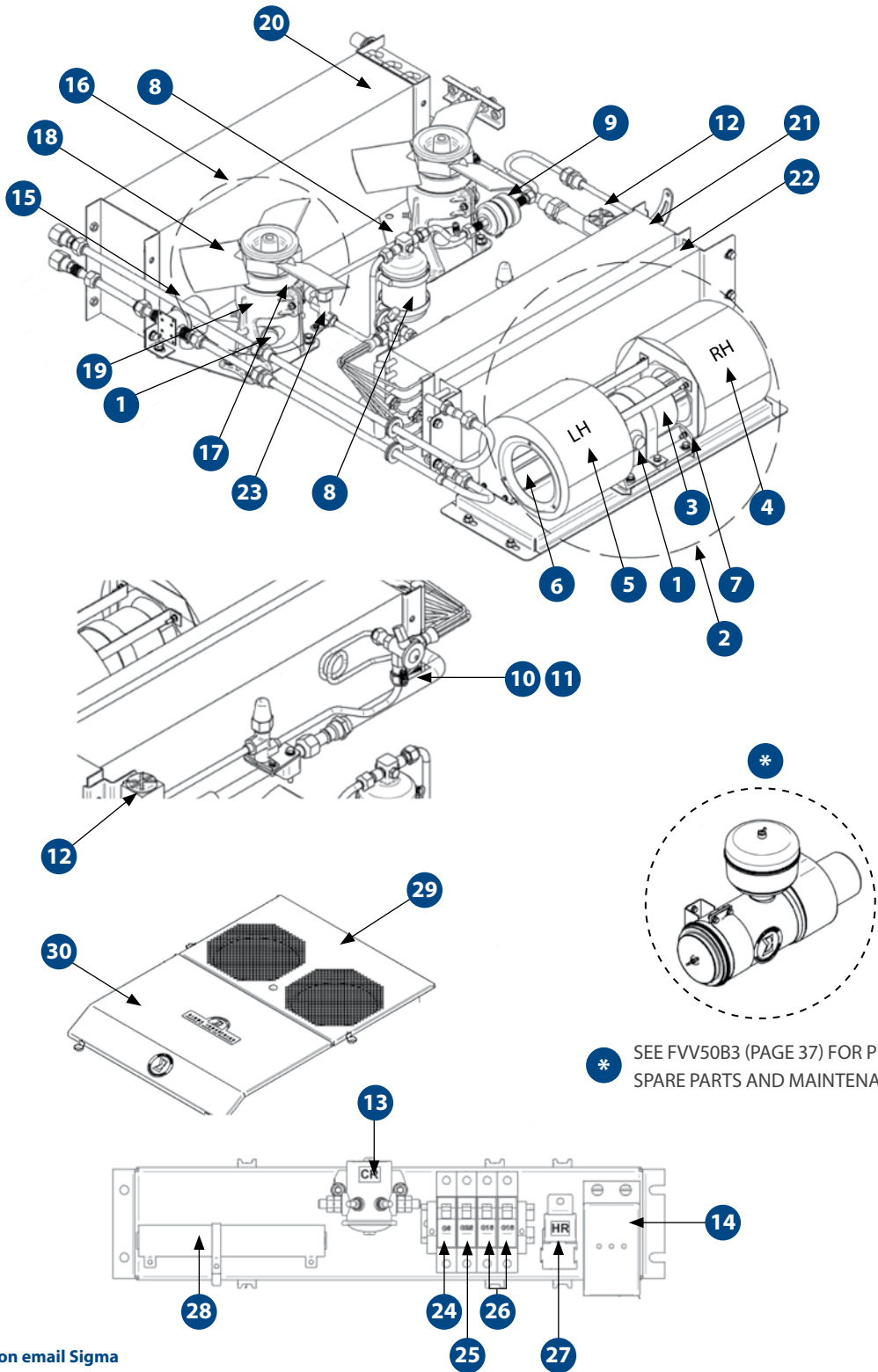
TDR7

TRUCK ROOFTOP HVAC UNIT

TDR7BX1*
Rooftop Packaged Evaporator and Condenser 7kW
24V Heating (10kW) with Heating (6kW) Flare Fittings

TDR7BX2
Rooftop Packaged Evaporator and Condenser 7kW
24V Heating (10kW) with Heating (6kW) O-Ring Fittings

* HVAC obsolete, spares support only



SPARE PARTS

PART NO.	DESCRIPTION	QTY
27	AU661483 RELAY 20A 24VDC 5 PIN	1
28	AU692105 RESISTOR 2 OHM 100W 1 CLIPS ADJUSTABLE	1
29	AS5000123 LID ASSEMBLY CONDENSER	1
30	AS5000124 LID ASSEMBLY EVAPORATOR	1
AU523655	HIGH PRESSURE SWITCH 1/4" FF 2415kPa	1
AU523365	LOW PRESSURE SWITCH 1/4" FF 205kPa	1
AU862211	LID RUBBER SEAL	6.2
AU663562	ROTARY SWITCH A B C D MODE	1
AU663563	ROTARY SWITCH A B C D FAN	1
UC901	DIFFUSER 246MM X 104MM	2
UE700	CIRCUIT BEAKER 40A STUD TYP MANUAL	1
AU517502	VALVE ACCESS 1/4" 1/4" & 3/8" OD SOLDER	1
AU519074	ADAPTOR 134A 1/4" HIGH SIDE RED	1
AU519075	ADAPTOR 134A 1/4" LOW SIDE BLUE	1
AU635485	END BRACKET KLIPPON	2
AU851590	TOGGLE CLAMP RUBBER	4
AU853507	LEAF SPRING 105MM X 13MM	1
AU935432	FLAT NEOPRENE EXTRUSION	0.20
S5000159	UNIT TO CAB SEAL	1
S5006029	MOTOR MOUNT CLAMP 97MM	1
UC020	HOSE CLEAR PVC 12 5MM ID	6
UC504	DRAIN NOZZLE 13MM	4
UF034	INLET RING 103.5MM	1
AU320028	MOTOR BRUSH KIT - ASSEMBLY + HOLDER	1

* SEE FVV50B3 (PAGE 37) FOR PRESSURISER SPARE PARTS AND MAINTENANCE

SPARE PARTS LIST CONTINUED ON PREVIOUS PAGE

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SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	7.0 kW	23884 BTU
Heating Capacity	6.0 kW	20472 BTU
Fan Speeds	3	3
Air Flow	250 l/s	530 CFM
Fresh Air	30 l/s	64 CFM
Power Supply	24V	24V
Current Draw	33.5 A	33.5 A
Refrigerant	R134a	R134a
Maximum Ambient Temperature	54°C	129°F
Weight (nominal)	110.0 Kg	242.0 lbs
Technical Manual Reference	SM395-5000	SM395-5000
Dimension (L X W X H)	1100mm X 800mm X 288mm	43.3in X 31.5in X 11.3in

MAINTENANCE

MONTHLY / 400 HOURS	
MC0445	RETURN AIR FILTER ASSEMBLY
6 MONTHS / 2,400 HOURS	
AU320621	BRUSH MOTOR 24VDC EACH
AU320028	MOTOR BRUSH KIT - ASSEMBLY + HOLDER
ANNUAL / 4,800 HOURS	
UE023	MOTOR 0.14W 24VDC D/S
AU531411	RECEIVER DRIER 3/8" 24UNF165MM HIGH
AU531357	DRIER 3/8" MF
UE026	MOTOR 0.14W 24VDC S/S
AU320C007	MOTOR SINGLE SHAFT
3 YEARS / 14,400 HOURS	
AU521509	TX VALVE 2T 3/8"IN 1/2"OUT 1/4"EQ R134a
AU521508	TX ORIFICE 2T R22 #06
UE016	THERMOSTAT DEICE STUD
UE072	RELAY 24VDC 70A AUTOMOTIVE
AU681925	THERMOSTAT 12-24VDC WITH SENSOR + POT
AU523655	HIGH PRESSURE SWITCH 1/4" FF 2415kPa
AU523365	LOW PRESSURE SWITCH 1/4" FF 205kPa
AU862211	LID RUBBER SEAL

Please contact SIGMA for more information including details on an overhaul scope and interval.
Maintenance periods and scope are dependent on application and site conditions, and are to be used as a guide.

COMPANION ITEMS

PART NO.	DESCRIPTION
H0017479	Hydraulic Compressor
H0017481	Hydraulic Compressor
AU270306	Engine Driven Compressor
AU270307	Engine Driven Compressor

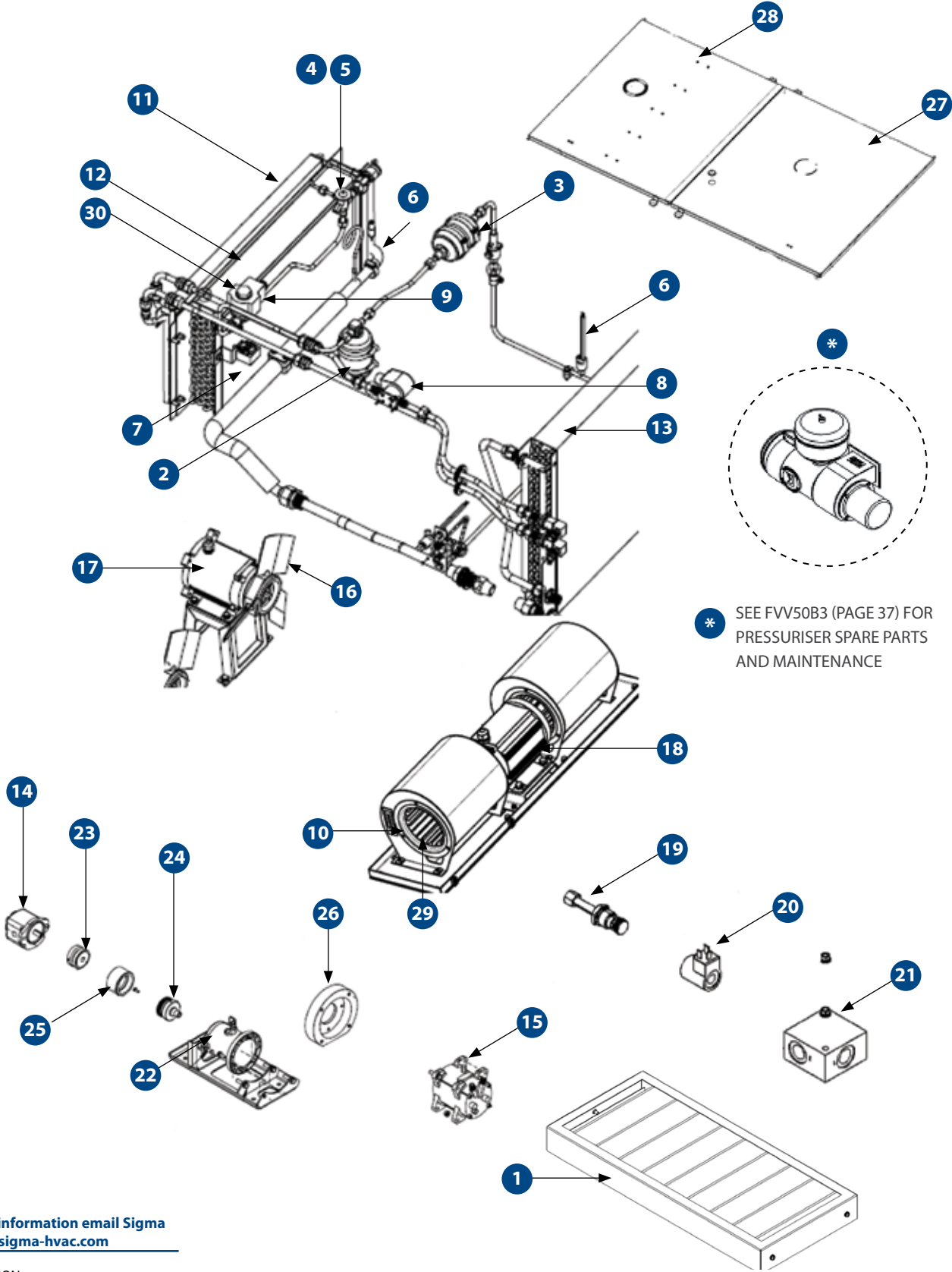
154 For more information email Sigma
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TDR10 - REFRIGERATION & ASSEMBLY

TRUCK ROOFTOP HVAC UNIT

TDR10BX1
Rooftop Packaged Evaporator and Condenser HVAC 10kW
24V Heating (10kW) without Hydraulic Compressor

TDR10BX2
Rooftop Packaged Evaporator and Condenser HVAC 10kW
24V Heating (10kW) and Hydraulic Compressor



SPARE PARTS

PART NO.	DESCRIPTION	QTY
1 AS3754056 S3754098	RETURN AIR FILTER ASSEMBLY RETURN AIR FILTER MEDIA	1 1
2 AU531411	RECEIVER DRIER 3/8" 24UNF 165MM HIGH	1
3 AU531138	DRIER 3/8" MF	1
4 AU521509	TX VALVE 2T 3/8" IN 1/2" OUT 1/4" EQ R134A	1
5 AU521508	TX ORIFICE 2T R22 #06	1
6 AU523655	HIGH PRESSURE SWITCH 1/4" FF 2415kPa	1
7 UE016	THERMOSTAT DEICE STUD	1
8 UE057	VALVE SOLENOID 1/4" BSP 24VDC WATER	1
9 AU522021	SOLENOID VALVE 3/8" SOLDER NC	1
10 AU410902	INLET RING 105MM	4
11 AU130036	HEATER COIL 570MM X 305MM X 33MM 2RW TDR10	1
12 AU120036	EVAPORATOR COIL 570MM X 305MM X 83MM 5RW TDR10BX1	1
13 AU110036	CONDENSER COIL 650MM X 533MM X 66MM 4RW TDR10	1
14 AU340000	MOTOR HYDRAULIC DRIVE 14CC	1
15 AU270019E	COMPRESSOR VMO NO CLUTCH (TDR10BX2)	1
16 AU420227	FAN AXIAL 300MM 3 BLADES RA	2
17 AU320032	MOTOR 0.15kW 71 FT 4P 24VDC S/S	2
18 AU320033	MOTOR 0.37kW 71 FT 4P 24VDC D/S	1
19 AU522000	SOLENOID VALVE CARTRIDGE SIZE 12 (BX2)	1
20 AU522001	SOLENOID VALVE COIL (BX2)	1
21 AU522003	SOLENOID VALVE BODY SIZE 12 3/4" BSPP (BX2)	1
22 AS509727	COMPRESSOR MOTOR HOUSING (TDR10BX2)	1
23 AS509742	COUPLING MALE MOTOR (TDR10BX2)	1
24 H0130377	COUPLING MALE-COMPRESSOR (TDR10BX2)	1
25 AS509744	COUPLING FEMALE (BX2)	1

* SEE FVV50B3 (PAGE 37) FOR PRESSURISER SPARE PARTS AND MAINTENANCE

SPARE PARTS LIST CONTINUED NEXT PAGE

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	10.0 kW	34120 BTU
Heating Capacity	10.0 kW	34120 BTU
Fan Speeds	3	3
Air Flow	350 l/s	742 CFM
Fresh Air	30 l/s	64 CFM
Power Supply	24V	24V
Current Draw	33 A	33 A
Refrigerant	R134a	R134a
Maximum Ambient Temperature	54°C	129°F
Weight (nominal)	220.0 Kg	484.0 lbs
Technical Manual Reference	SM478-3754	SM478-3754
Dimension (L X W X H)	1484mm X 833mm X 650mm	58.4in X 32.8in X 25.6in

MAINTENANCE

MONTHLY / 400 HOURS	
AS3754056	RETURN AIR FILTER ASSEMBLY
ANNUAL / 4,800 HOURS	
AU531411	RECEIVER DRIER 3/8" 24UNF165MM HIGH
AU531138	DRIER 3/8" MF
3 YEARS / 14,400 HOURS	
AU521509	TX VALVE 2T 3/8"IN 1/2"OUT 1/4"EQ R134A
AU521508	TX ORIFICE 2T R22 #06
AU523655	HIGH PRESSURE SWITCH 1/4" FF 2415kPa
AU523365	LOW PRESSURE SWITCH 1/4" FF 205kPa
UE016	THERMOSTAT DEICE STUD
UE057	VALVE SOLENOID 1/4" BSP 24VDC WATER
AU522021	SOLENOID VALVE 3/8" SOLDER NC
AU862211	LID RUBBER SEAL
UC269	ANTI VIBRATION MOUNT 1/2"-20UNF

Please contact SIGMA for more information including details on an overhaul scope and interval.
Maintenance periods and scope are dependent on application and site conditions, and are to be used as a guide.

COMPANION ITEMS

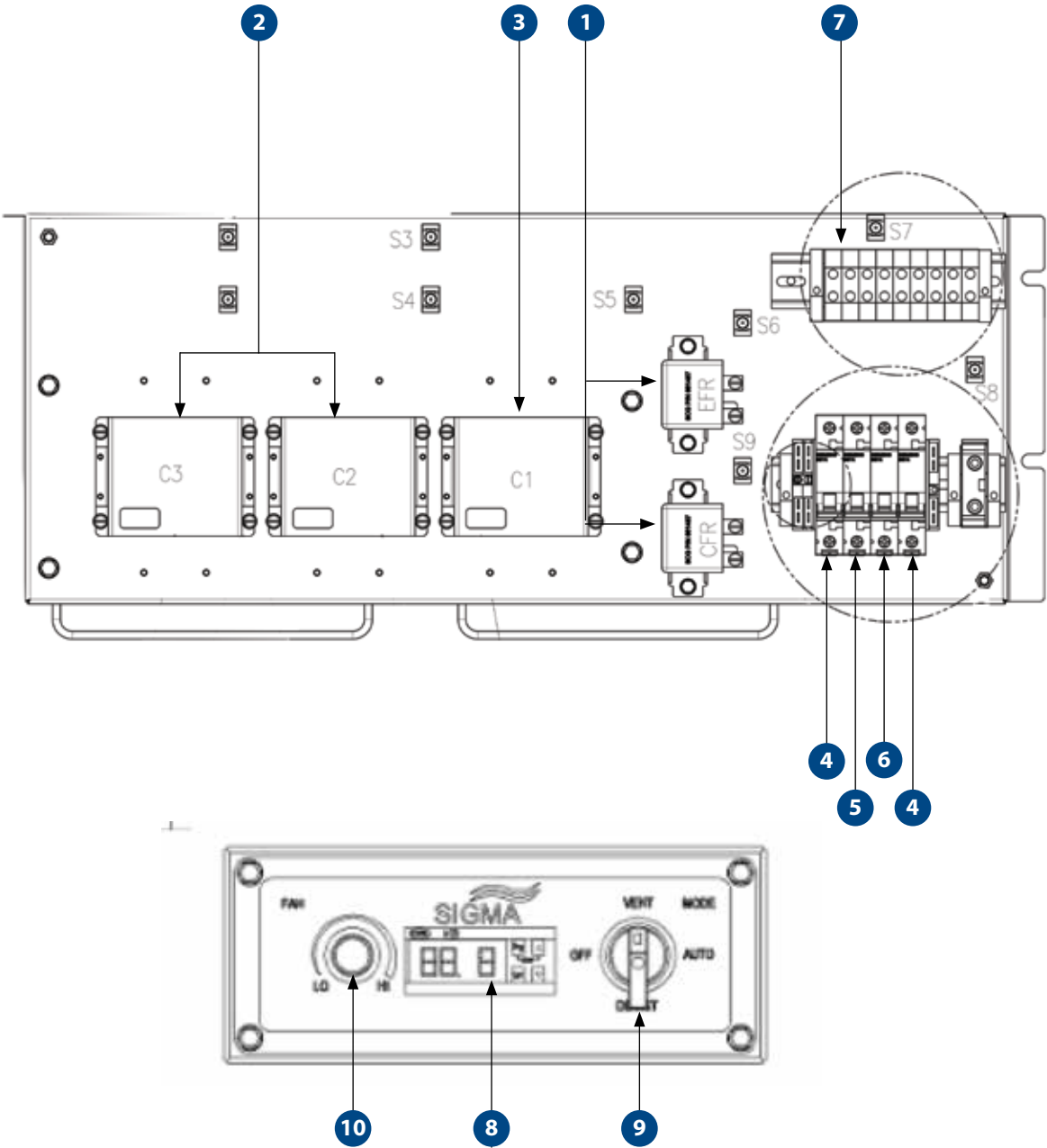
PART NO.	DESCRIPTION
H0017489	Hydraulic Compressor (TDR10BX1)
H0017493	Hydraulic Compressor (TDR10BX1)
AU270314E	Engine Driven Compressor (TDR10BX1)
AU270318E	Engine Driven Compressor (TDR10BX1)
KIT375401	Installation Kits

TDR10 - ELECTRICAL

TRUCK ROOFTOP HVAC UNIT

TDR10BX1
Rooftop Packaged Evaporator and Condenser HVAC 10kW
24V Heating (10kW) without Hydraulic Compressor

TDR10BX2
Rooftop Packaged Evaporator and Condenser HVAC 10kW
24V Heating (10kW) and Hydraulic Compressor



SPARE PARTS

PART NO.	DESCRIPTION	QTY
1 AU661487	RELAY 50A 24VDC 1 POLE	2
2 AU6761003	MOTOR CONTROL CONDENSER 24V 30A	2
3 AU6761004	MOTOR CONTROL EVAPORATOR 24V 30A	1
4 AU641092	CIRCUIT BREAKER 25A 1POLE	2
5 AU641091	CIRCUIT BREAKER 6A 1POLE	1
6 AU641090	CIRCUIT BREAKER 10A 1POLE	1
7 AU635521	TERM BLOCK 6MM² M4 SCREW	9
8 AU681960	THERMOSTAT DIGITAL 24V 2 STAGE	1
9 AU663117	ROTARY SWITCH 4 POSITION	1
10 AU6791057	CABLE JST- POTENTIOMETER 22K	1
AU641070	CIRCUIT BREAKER 63A 1POLE	1
AU681961	THERMOSTAT SENSOR PROBE NTC WITH LEAD	1
AU635616	BUSBAR TERMINAL	1
AU641172	BUSBAR 10MM²	1
AU674014	DIODE 1000V 1A	2
AU861071	SEAL FRESH AIR 153MM X 160MM	1
AU861072	GASKET FRESH AIR FAN 160MM	2

* SEE FVV50B3 (PAGE 37) FOR PRESSURISER PARTS AND MAINTENANCE

SPARE PARTS LIST CONTINUED ON PREVIOUS PAGE

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	10.0 kW	34120 BTU
Heating Capacity	10.0 kW	34120 BTU
Fan Speeds	3	3
Air Flow	350 l/s	742 CFM
Fresh Air	30 l/s	64 CFM
Power Supply	24 V	24 V
Current Draw	33A	33A
Refrigerant	R134a	R134a
Maximum Ambient Temperature	54°C	129°F
Weight (nominal)	220.0 Kg	484.0 lbs
Technical Manual Reference	SM478-3754	SM478-3754
Dimension (L X W X H)	1484mm X 833mm X 650mm	58.4in X 32.8in X 25.6in

MAINTENANCE

3 YEARS / 14,400 HOURS	
AU661487	RELAY 50A 24VDC 1 POLE
AU681960	THERMOSTAT DIGITAL 24V 2 STAGE
Please contact SIGMA for more information including details on an overhaul scope and interval. Maintenance periods and scope are dependent on application and site conditions, and are to be used as a guide.	

COMPANION ITEMS

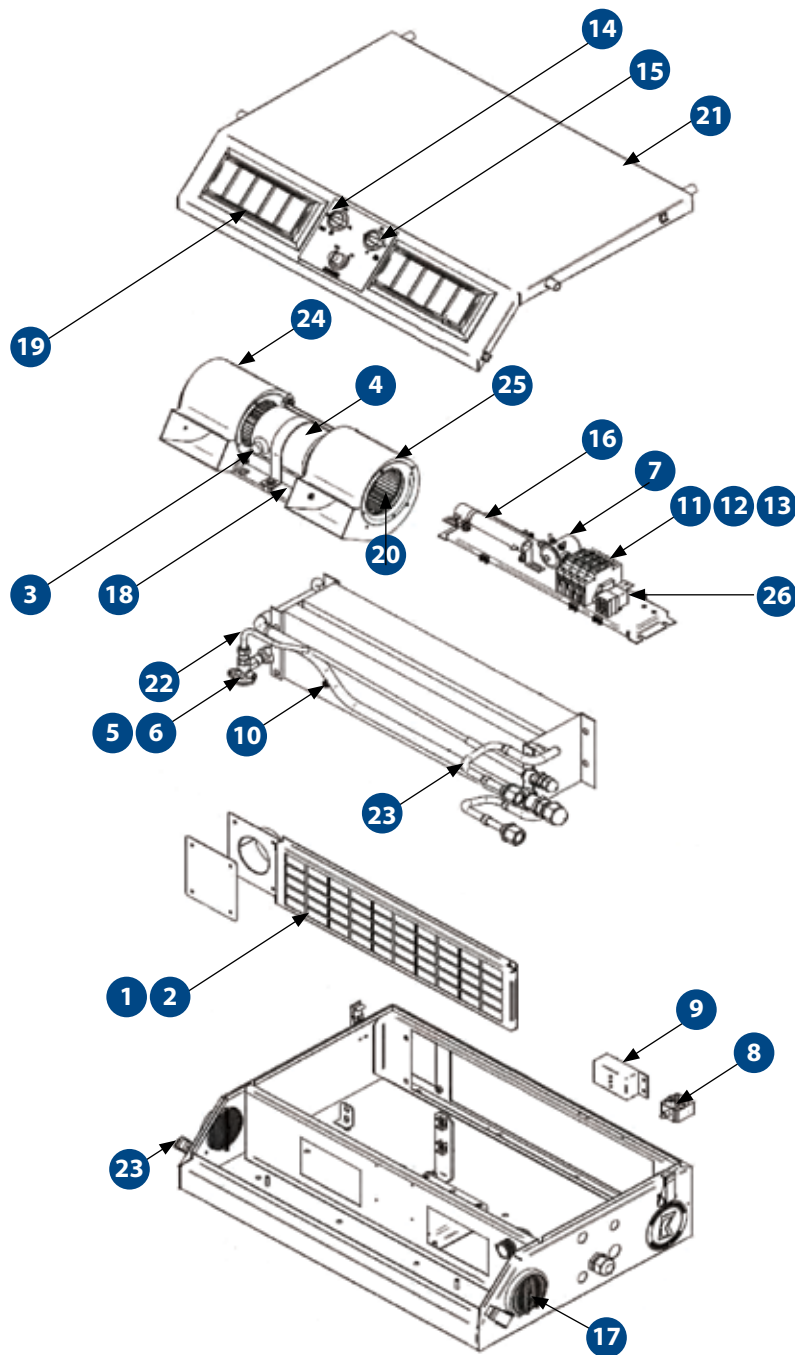
PART NO.	DESCRIPTION
H0017489	Hydraulic Compressor
H0017493	Hydraulic Compressor
KIT375401	Installation Kits
AU270314E	Engine Driven Compressor
AU270318E	Engine Driven Compressor



TFC6

CEILING EVAPORATOR

TFC6BX1
Ceiling Evaporator 6kW 24V with Heating (6kW)



SPARE PARTS

PART NO.	DESCRIPTION	QTY
1	AS502003S RETURN AIR FILTER	1
2	UC151 FILTER MEDIA 10MM GREY G2	1
3	AU320621 BRUSH MOTOR 24VDC EACH	1
4	UE023 MOTOR 0.14KW 24VDC D/S	1
5	AU521509 TX VALVE 2T 3/8" IN 1/2" OUT 1/4" EQ R134A	1
6	AU521505 TX ORIFICE 2T R22 #05	1
7	UE072 RELAY 24VDC 70A AUTOMOTIVE	1
8	UE016 THERMOSTAT DEICE STUD	1
9	AU681925 THERMOSTAT 12-24VDC WITH SENSOR + POT	1
10	AU523365 LOW PRESSURE SWITCH 1/4" FF 205kPa	1
11	AU641091 CIRCUIT BREAKER 6A 1POLE	1
12	AU641092 CIRCUIT BREAKER 25A 1POLE	2
13	AU641119 CIRCUIT BREAKER 16A 1 POLE	1
14	AU663562 ROTARY SWITCH A B C D MODE	1
15	AU663563 ROTARY SWITCH A B C D FAN	1
16	AU692107 RESISTOR 2 OHM 100W 3 CLIPS ADJUSTABLE	2
17	AU821704 DIFFUSER ROUND 92MM PVC	2
18	UC027 EVAPORATOR MOTOR MOUNT	2
19	UC901 DIFFUSER 246MM X 104MM	1
20	UF048 BLOWER 108D X 104W X DUAL INLET	2
21	AS502018 LID ASSEMBLY	1
22	AS502036 SUCTION LINE - COIL TO BULKHEAD	1
AS502038	LIQUID LINE - TX VALVE TO BULKHEAD	1
23	UC310 CATCH TOGGLE OVERCENTRE SS	1
24	AS502009 FAN HOUSING ASSEMBLY L H TFC6	1
25	AS502010 FAN HOUSING ASSEMBLY R H TFC6	1
26	AU661483 RELAY 20A 24VDC 5 PIN	1
AU681926	POT LINEAR 10kOHM WITH PLUG	1
UE057	VALVE SOLENOID 1/4" BSP 24VDC WATER	1
UC310	CATCH TOGGLE OVERCENTRE SS	1
AU853507	LEAF SPRING 105MM X 13MM	1
AU935432	FLAT NEOPRENE EXTRUSION	0.2
S5006029	MOTOR MOUNT CLAMP 97MM	1
UC020	HOSE CLEAR PVC 125MM ID	6
UC096	FTG P3 5/8 STR BRB X 1/4 MBSPT	2
UC311	CATCH STRIKER SS FOR UC310	4
UR008	BULKHEAD FITTING 1/2" MF	1
UR009	BULKHEAD FITTING 3/8" MF	1
UR010	BULKHEAD FITTING 3/4" MF	1
AU517502	VALVE ACCESS 1/4" 1/4" & 3/8" OD SOLDER	1
AU120603	EVAPORATOR+HEATER COIL 600x153x79+33	1
AU854034	CONTROL LABEL	1

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	6.0 kW	20472 BTU
Heating Capacity	6.0 kW	20472 BTU
Fan Speeds	3	3
Air Flow	250 l/s	530 CFM
Fresh Air	30 l/s	64 CFM
Power Supply	24V	24V
Current Draw	10.5 A	10.5 A
Refrigerant	R134a	R134a
Maximum Ambient Temperature	54°C	129°F
Weight (nominal)	36.0 Kg	79.2 lbs
Technical Manual Reference	SM395-5000	SM395-5000
Dimension (L X W X H)	743mm X 530mm X 210mm	29.3in X 20.9in X 8.3in

MAINTENANCE

MONTHLY / 400 HOURS	
AS502003S	RETURN AIR FILTER
UC151	FILTER MEDIA 10MM GREY G2
AU320621	BRUSH MOTOR 24VDC EACH
ANNUAL / 4,800 HRS	
UE023	MOTOR 0.14W 24VDC D/S
3 YEARS / 14,400 HRS	
AU521509	TX VALVE 2T 3/8"IN 1/2"OUT 1/4"EQ R134a
AU521505	TX ORIFICE 2T R22 #05
AU523365	LOW PRESSURE SWITCH 1/4" FF 205kPa
UE016	THERMOSTAT DEICE STUD
UE072	RELAY 24VDC 70A AUTOMOTIVE
AU661483	RELAY 20A 24VDC 5 PIN
UE057	VALVE SOLENOID 1/4" BSP 24VDC WATER
AU681925	THERMOSTAT 12-24VDC WITH SENSOR + POT
Please contact SIGMA for more information including details on an overhaul scope and interval. Maintenance periods and scope are dependent on application and site conditions, and are to be used as a guide.	

COMPANION ITEMS

PART NO.	DESCRIPTION
TCF7BX2	Electric Condenser
EB9P4X	Pressuriser
H0017479	Hydraulic Compressor
H0017481	Hydraulic Compressor
AU270306	Engine Driven Compressor
AU270307	Engine Driven Compressor
AU531411	Receiver Drier
AU531422	Receiver Drier

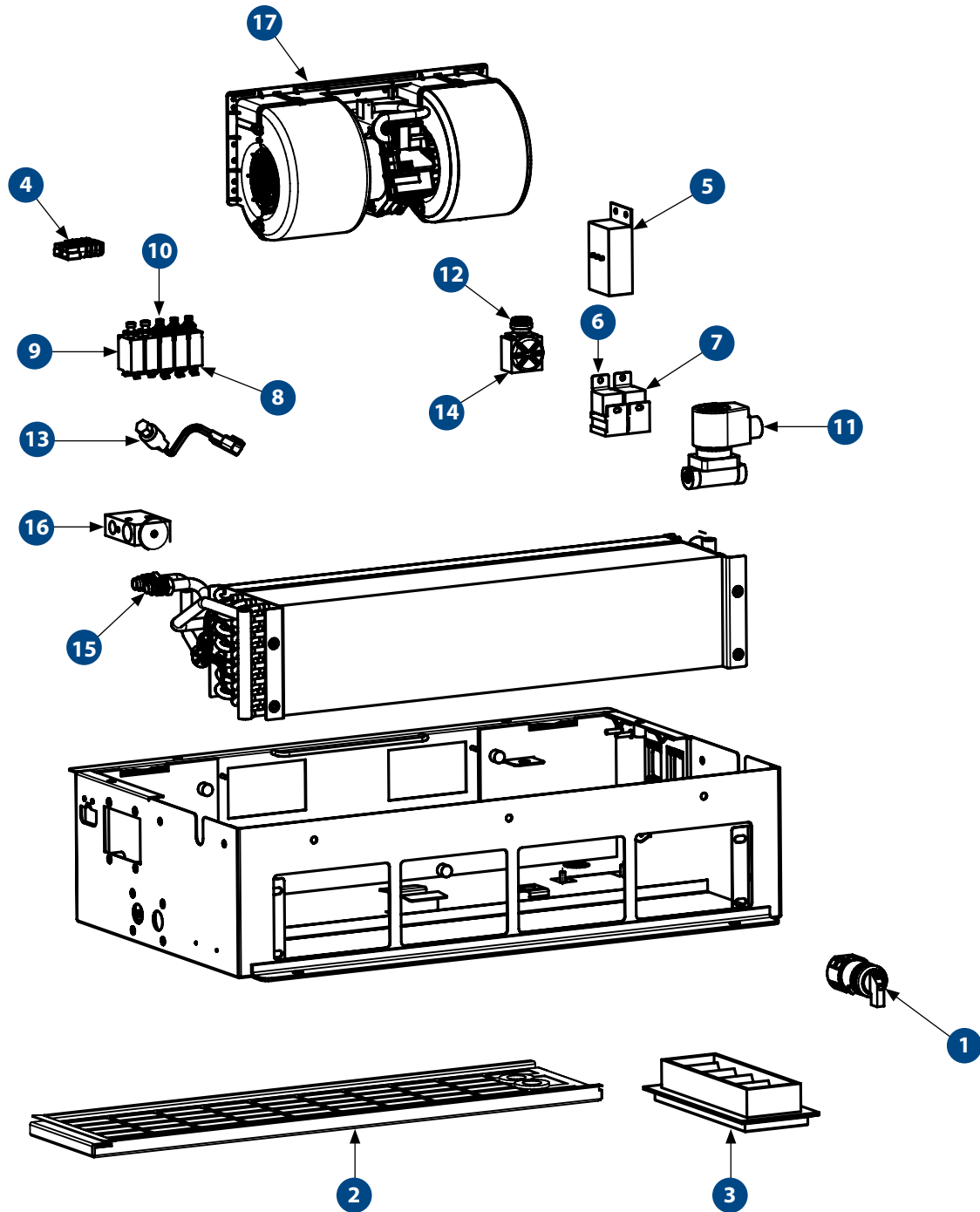
- DRAGLINE & SHOVEL
- DRILL
- EXCAVATOR
- DOZER
- TRUCK
- WHEEL LOADER
- CONSTRUCTION
- UNDERGROUND EQUIPMENT
- INDUSTRIAL
- SMELTERS
- RAIL SPECIAL VEHICLES



TFC6BX2

CEILING EVAPORATOR

H0094278
Rooftop Evaporator 6kW 24V with Heating (6kW)



SPARE PARTS

PART NO.	DESCRIPTION	QTY
1	AU663562 ROTARY SWITCH	1
2	AS502003 RETURN AIR FILTER	1
3	UC901 DIFFUSER 246MM X 104MM	1
4	AU631547 CONNECTOR 2 WAY 50A HEAVY DUTY	1
5	AU681925 THERMOSTAT 12-24 VDC WITH SENSOR + POT	1
6	AU661483 RELAY 20A 24VDC 5 PIN	2
7	ERR023 RELAY BASE 5 PIN (PANEL MOUNT)	2
8	AU641C107 CIRCUIT BREAKER 10A PUSH PULL	2
9	AU641C110 CIRCUIT BREAKER 15A PUSH PULL	1
10	AU641065 CIRCUIT BREAKER 25A PUSH PULL	2
11	H0112397 SOLENOID VALVE 24VDC 1/2" BSP WATER	1
12	UC022 KNOB SNOWFLAKE 6.35MM	1
13	H0152017 LP SWITCH ASSEMBLY	1
14	UE016 THERMOSTAT DEICE STUD	1
15	H0094351 EVAPORATOR + HEATER COIL 600MM X 133MM	1
16	AU521946 TX VALVE BLOCK 2T 3/8" IN 1/2" OUT R134A	1
17	H0088451 BLOWER ASSEMBLY - 24VDC 3 SPEED	

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	6.0 kW	20472 BTU
Heating Capacity	7.0 kW	23884 BTU
Fan Speeds	3	3
Air Flow	200 l/s	424 CFM
Fresh Air	40 l/s	85 CFM
Power Supply	24V	24V
Current Draw	13 A	13 A
Refrigerant	R134a	R134a
Minimum Ambient Temperature	-10°C	14°F
Maximum Ambient Temperature	54°C	129°F
Weight (nominal)	35.0 Kg	77.0 lbs
Technical Manual Reference	HD0041895	HD0041895
Dimension (L X W X H)	735mm X 528mm X 190mm	28.9in X 20.8in X 7.5in

MAINTENANCE

MONTHLY / 400 HOURS	
AS502003	RETURN AIR FILTER
ANNUAL / 4,800 HRS	
H0088451	BLOWER ASSEMBLY - 24VDC 3 SPEED
3 YEARS / 14,400 HRS	
AU681925	THERMOSTAT 12-24 VDC WITH SENSOR + POT
AU661483	RELAY 20A 24VDC 5 PIN
H0112397	SOLENOID VALVE 24VDC 1/2" BSP WATER
UE016	THERMOSTAT DEICE STUD
AU521946	TX VALVE BLOCK 2T 3/8" IN 1/2" OUT R134A
H0152017	LP SWITCH ASSEMBLY

Please contact SIGMA for more information including details on an overhaul scope and interval.
Maintenance periods and scope are dependent on application and site conditions, and are to be used as a guide.

COMPANION ITEMS

PART NO.	DESCRIPTION
TCF7BX2	Rooftop Wallmount Condenser 6kW 24V
EB9P4X	Pressuriser
H0123925	Evaporator to Switch Loom
H0124104	Switch Panel Remote Assembly

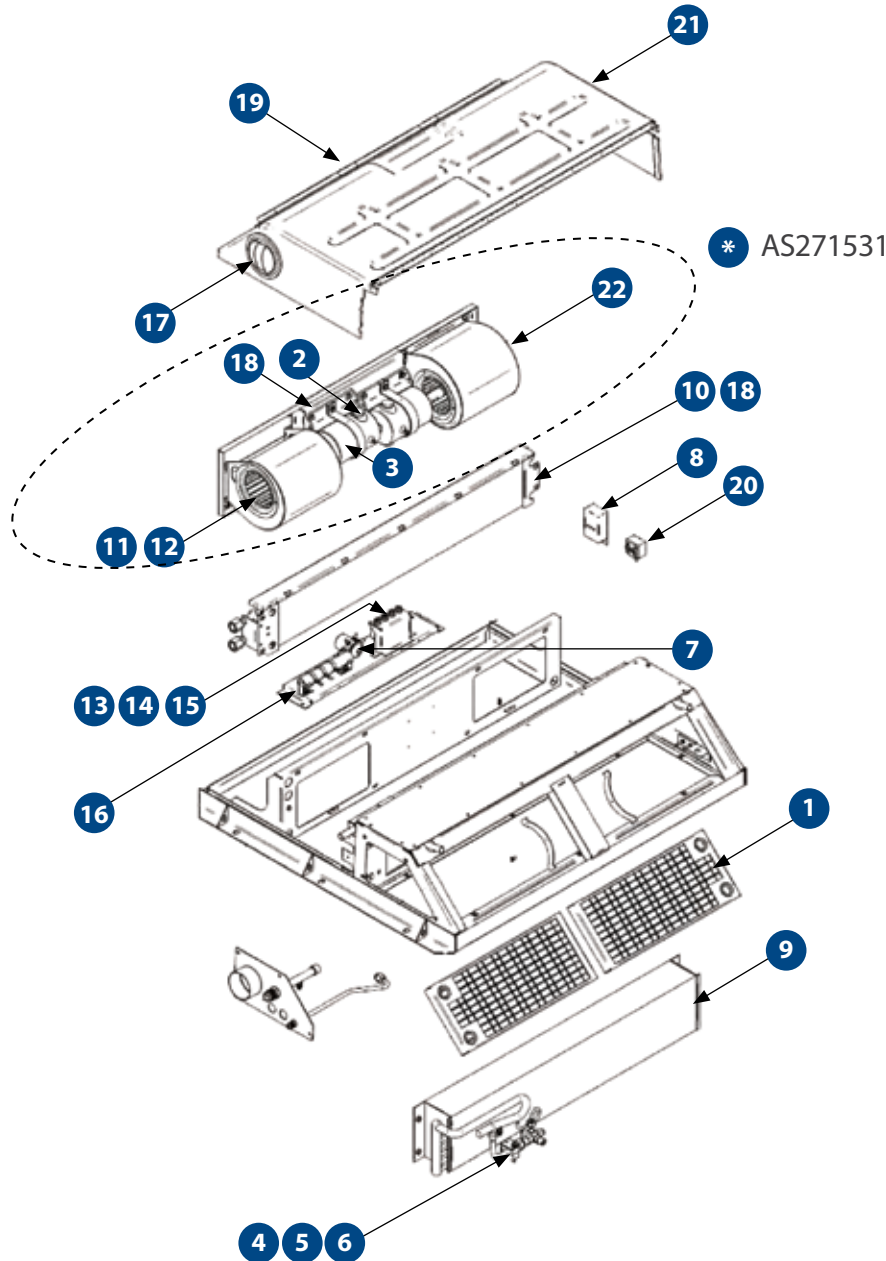


TFC8

CEILING EVAPORATOR

TFC8BX1
Ceiling Evaporator 8kW 24V

TFC8BX2
Ceiling Evaporator 8kW 24V with Electric Heating



SPARE PARTS

PART NO.	DESCRIPTION	QTY
1 AS271535	RETURN AIR FILTER	2
AS271535S	RETURN AIR FILTER - DISPOSABLE OPTION	2
2 AU320622	BRUSH MOTOR 24VDC EACH HEAVY DUTY	4
3 H0039230	MOTOR UE026 WITH UPGRADED BRUSH	2
4 AU521509	TX VALVE 2T 3/8" IN 1/2" OUT 1/4" EQ R134A	1
5 AU521508	TX ORIFICE 2T R22 #06	1
6 AU523365	LOW PRESSURE SWITCH 1/4" FF 205kPa	1
7 UE072	RELAY 24VDC 70A AUTOMOTIVE	1
8 AU681925	THERMOSTAT 12-24VDC WITH SENSOR + POT	1
9 AU120394	EVAPORATOR COIL 864MM X 166MM X 95MM 4RW TFC8	1
10 AU130009	HEATER COIL 864MM X 152MM X 32MM 2RW TFC8	1
11 AU410105	BLOWER 120D X 178W X 3/8 CW DUAL INLET	2
12 AU410902	INLET RING 105MM	4
13 AU641065	CIRCUIT BREAKER 25A PUSH PULL	1
14 AU641067	CIRCUIT BREAKER 35A PUSH PULL	1
15 AU641C111	CIRCUIT BREAKER 5A PUSH PULL	2
16 AU692107	RESISTOR 2 OHM 100W 3 CLIPS ADJUSTABLE	1
17 AS271531	DIFFUSER ROUND 120MM POLYAMIDE	2
18 UC027	EVAPORATOR MOTOR MOUNT	2
19 UC901	DIFFUSER 246 X 104MM	3
20 UE016	THERMOSTAT DEICE STUD	1
21 S271531	TFC8 EVAPORATOR COVER PLASTIC	1
22 AS198603	SUPPLY AIR BLOWER ASSEMBLY	2
AS271531	SUPPLY AIR FAN ASSEMBLY	
AS271576	HEATER ASSEMBLY (TFC8BX2)	1

SPARE PARTS LIST CONTINUED NEXT PAGE

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	8.0 kW	27296 BTU
Heating Capacity	10.0 kW / 6kW	34120 BTU / 20473 BTU
Fan Speeds	3	3
Air Flow	325 l/s	689 CFM
Fresh Air	30 l/s	64 CFM
Power Supply	24V	24V
Current Draw	30 A	30 A
Refrigerant	R134a	R134a
Maximum Ambient Temperature	54°C	129°F
Weight (nominal)	70.0 Kg	154.0 lbs
Technical Manual Reference	SM278-2715	SM278-2715
Dimension (L X W X H)	1100mm X 900mm X 221mm	43.3in X 35.4in X 8.7in

MAINTENANCE

MONTHLY / 500 HOURS	
AS271535	RETURN AIR FILTER
AS271535S	RETURN AIR FILTER - DISPOSABLE OPTION
6 MONTHS / 2,400 HOURS	
AU320622	BRUSH MOTOR 24VDC EACH HEAVY DUTY
ANNUAL / 4,800 HOURS	
H0039230	MOTOR UE026 WITH UPGRADED BRUSH
3 YEARS / 14,400 HOURS	
AU521509	TX VALVE 2T 3/8" IN 1/2" OUT 1/4" EQ R134a
AU521508	TX ORIFICE 2T R22 #06
AU523365	LOW PRESSURE SWITCH 1/4" FF 205kPa
UE072	RELAY 24VDC 70A AUTOMOTIVE
UE057	VALVE SOLENOID 1/4" BSP 24VDC WATER
AU681925	THERMOSTAT 12-24VDC WITH SENSOR + POT
Please contact SIGMA for more information including details on an overhaul scope and interval. Maintenance periods and scope are dependent on application and site conditions, and are to be used as a guide.	

COMPANION ITEMS

PART NO.	DESCRIPTION
TFC8BX2	Electric Condenser
EB9P4X	Pressuriser
H0017489	Hydraulic Compressor
H0017493	Hydraulic Compressor
AU110240	Radiator Condenser
AU1102401	Radiator Condenser
AU270306	Engine Driven Compressor
AU270307	Engine Driven Compressor
AU270314	Engine Driven Compressor
AU2701001	Engine Driven Compressor
AU531411	Receiver Drier
AU531422	Receiver Drier

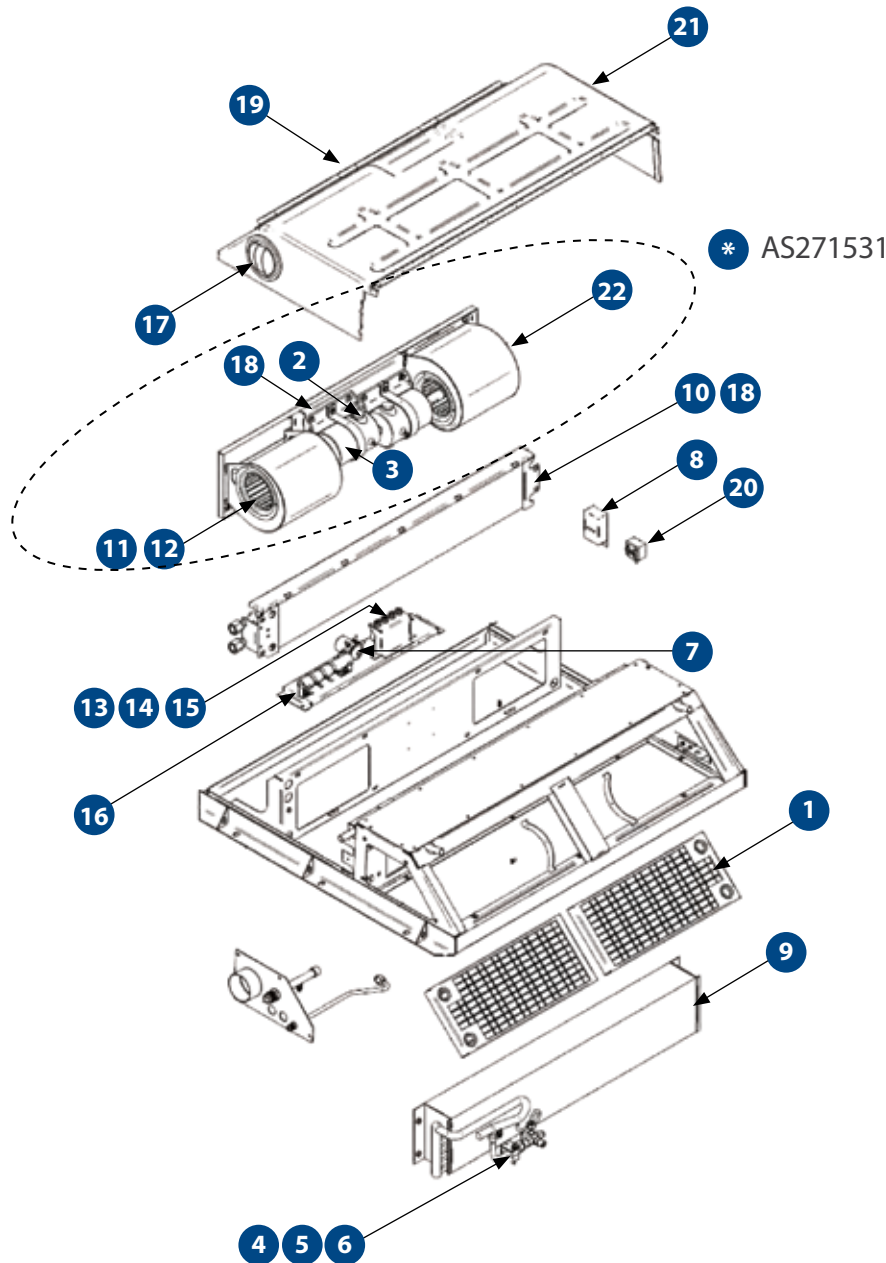


TFC8

CEILING EVAPORATOR

TFC8BX1
Ceiling Evaporator 8kW 24V

TFC8BX2
Ceiling Evaporator 8kW 24V with Electric Heating



SPARE PARTS

PART NO.	DESCRIPTION	QTY
AU641601	CIRCUIT BREAKER 6.3-10A 3 POLE (TFC8BX2)	1
AU641612	CIRCUIT BREAKER 16A 3POLE (TFC8BX2)	1
UE699	CIRCUIT BREAKER 60A STUD TYP MANUAL (TFC8BX1)	1
AU651346	CONTACTOR 12A 24VDC 3 POLE 1NO 1NC (TFC8BX2)	2
AU663563	ROTARY SWITCH A B C D FAN	1
AU663569	ROTARY SWITCH MODE	1
AU681065	THERMOSTAT T3 80°C SPST AUTO (TFC8BX2)	1
AU691191	HEATER U SHAPE 2.0kW 240V 675MM SS FIN (TFC8BX2)	3
AU681926	POTENTIOMETER	1
UE057	VALVE SOLENOID 1/4" BSP 24VDC WATER	1
AU662410	SWITCH KEYED 20A	1
AU517502	VALVE ACCESS 1/4" 1/4" & 3/8" OD SOLDER	1
AU635302	TERM BLK SIE 3 POLE 2 5MMSQ (TFC8BX2)	3
AU636255	TERM BLK BRIDGE SIE 4WAY 2 5MM (TFC8BX2)	1
AU853505	LEAF SPRING 145MM X 25 MM	2
AU872135	SHAFT EXTENSION 1/2" FEMALE X 1/2" MALE	2
AU935432	FLAT NEOPRENE EXTRUSION	1
S5006029	MOTOR MOUNT CLAMP 97MM	2
UC020	HOSE CLEAR PVC 12 5MM ID	10
UC031	FASTENER ASSEMBLY 1/4 TURN - STUD & RECEPT	3
UC096	FITTING P3 5/8 STR BRB X 1/4 MBSPT (TFC8BX1)	2
UC504	DRAIN NOZZLE 13MM	4

SPARE PARTS LIST CONTINUED ON PREVIOUS PAGE

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	8.0 kW	27296 BTU
Heating Capacity	10.0 kW / 6kW	34120 BTU / 20473 BTU
Fan Speeds	3	3
Air Flow	325 l/s	689 CFM
Fresh Air	30 l/s	64 CFM
Power Supply	24V	24V
Current Draw	30 A	30 A
Refrigerant	R134a	R134a
Maximum Ambient Temperature	54°C	129°F
Weight (nominal)	70.0 Kg	154.0 lbs
Technical Manual Reference	SM278-2715	SM278-2715
Dimension (L X W X H)	1100mm X 900mm X 221mm	43.3in X 35.4in X 8.7in

MAINTENANCE

MONTHLY / 500 HOURS	
AS271535	RETURN AIR FILTER
AS271535S	RETURN AIR FILTER - DISPOSABLE OPTION
6 MONTHS / 2,400 HOURS	
AU320622	BRUSH MOTOR 24VDC EACH HEAVY DUTY
ANNUAL / 4,800 HOURS	
H0039230	MOTOR UE026 WITH UPGRADED BRUSH
3 YEARS / 14,400 HOURS	
AU521509	TX VALVE 2T 3/8" IN 1/2" OUT 1/4" EQ R134a
AU521508	TX ORIFICE 2T R22 #06
AU523365	LOW PRESSURE SWITCH 1/4" FF 205kPa
UE072	RELAY 24VDC 70A AUTOMOTIVE
UE057	VALVE SOLENOID 1/4" BSP 24VDC WATER
AU681925	THERMOSTAT 12-24VDC WITH SENSOR + POT
Please contact SIGMA for more information including details on an overhaul scope and interval. Maintenance periods and scope are dependent on application and site conditions, and are to be used as a guide.	

COMPANION ITEMS

PART NO.	DESCRIPTION
TFC8BX2	Electric Condenser
EB9P4X	Pressuriser
H0017489	Hydraulic Compressor
H0017493	Hydraulic Compressor
AU110240	Radiator Condenser
AU1102401	Radiator Condenser
AU270306	Engine Driven Compressor
AU270307	Engine Driven Compressor
AU270314	Engine Driven Compressor
AU2701001	Engine Driven Compressor
AU531411	Receiver Drier
AU531422	Receiver Drier

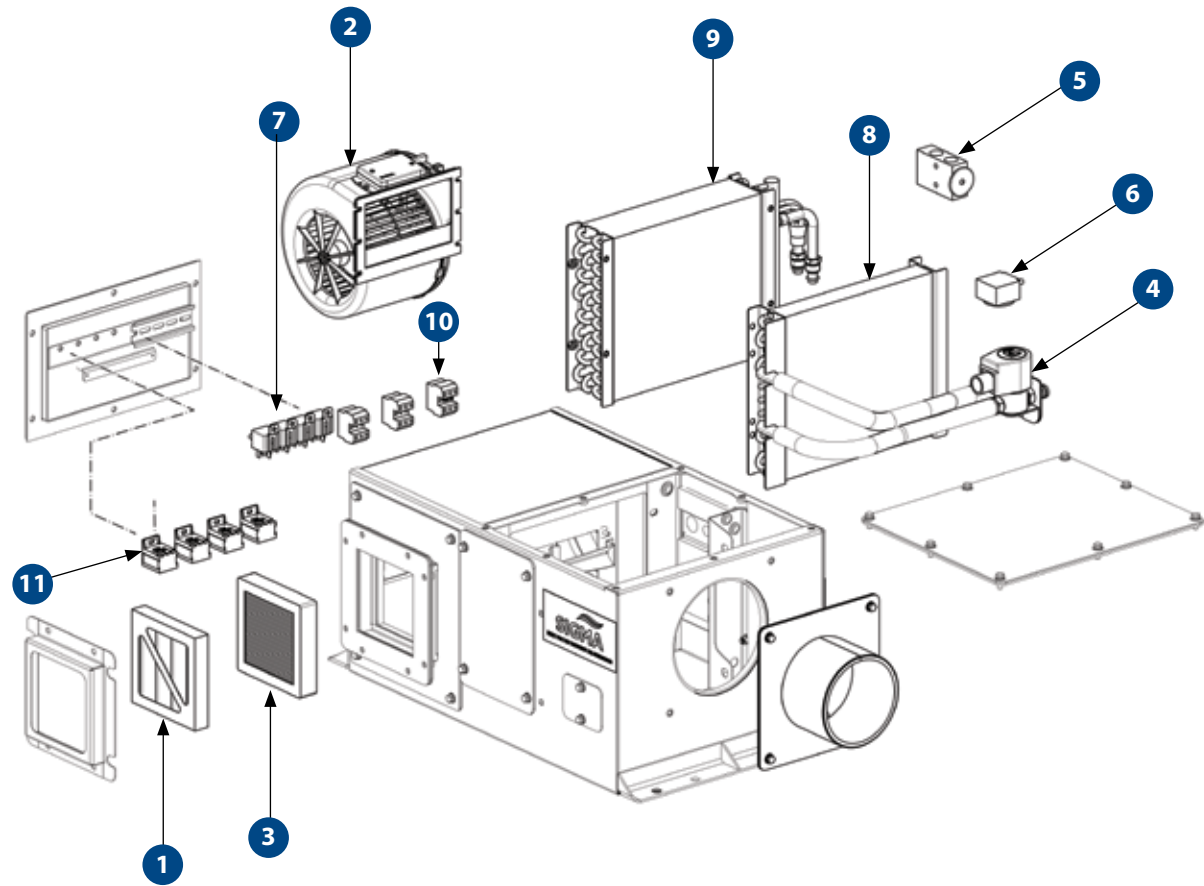


TFF5

FLOOR MOUNTED EVAPORATOR

TFF5BX1
Floor Mounted Evaporator 5kW 24V with Heating (4kW) Solenoid Valve Front Mounted

TFF5BX2
Floor Mounted Evaporator 5kW 24V with Heating (4kW) Solenoid Valve Rear Mounted



SPARE PARTS

PART NO.	DESCRIPTION	QTY
1 AU4601021	FILTER PLEATED 30/30 130MM X 130MM X 22MM	1
2 AU4301014	FAN DECK	1
3 AU4601020	FILTER HEPA 95% EFF 130MM X 130MM X 27MM	1
4 UE057	SOLENOID VALVE 24VDC 1/4BSP WATER	1
5 H0081856	TX VALVE BLK PARKER 2T R134A	1
6 UE016	THERMOSTAT DEICE STUD	1
7 H0076255	RELAY 24V 40A-DIODE PROTECTED	4
8 AU1301002	HEATER COIL 250MM X 228MM X 33MM 2ROW	1
9 AU1201014	EVAPORATOR COIL 250MM X 228MM X 66MM 4ROW	1
10 AU635300	TERMINAL BLOCK SIE 8WA1011-3DH21	3
11 ERR023	RELAY BASE 5 PIN (PANEL MOUNT)	1
H0037067	FILTER - OPTIONAL	1
AU679519	CONTROLLER ELECTRICAL 24VDC DISPLAY	1
AU674003	DIODE P600M 1000V 6A	4
AU635485	END BRACKET KLIPPON EW35 038356	2
UC020	HOSE CLEAR PVC 12 5MM ID X 3MM W	2

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	5.0 kW	17060 BTU
Heating Capacity	4.0 kW	13648 BTU
Fan Speeds	3	3
Air Flow	125 l/s	265 CFM
Fresh Air	10 l/s	21 CFM
Power Supply	24V	24V
Current Draw	20 A	20 A
Refrigerant	R134a	R134a
Maximum Ambient Temperature	54°C	129°F
Weight (nominal)	30.0 Kg	66.0 lbs
Technical Manual Reference	SM510-4044	SM510-4044
Dimension (L X W X H)	690mm X 441mm X 295mm	27.2in X 17.4in X 11.6 in

MAINTENANCE

MONTHLY / 400 HOURS	
AU4601021	FILTER PLEATED 30/30 130 X 130 X 22MM
H0037067	FILTER - OPTIONAL
ANNUAL /4,800 HOURS	
AU4301014	FAN DECK
AU4601020	FILTER HEPA 95% EFF 130MM X 130MM X 27MM
3 YEARS / 14,400 HOURS	
UE057	SOLENOID VALVE 24VDC 1/4BSP WATER
H0081856	TX VALVE BLK PARKER 2T R134A
UE016	THERMOSTAT DEICE STUD
H0076255	RELAY 24V 40A-DIODE PROTECTED
AU679519	CONTROLLER ELECTRICAL 24VDC DISPLAY

Please contact SIGMA for more information including details on an overhaul scope and interval.
Maintenance periods and scope are dependent on application and site conditions, and are to be used as a guide.

COMPANION ITEMS

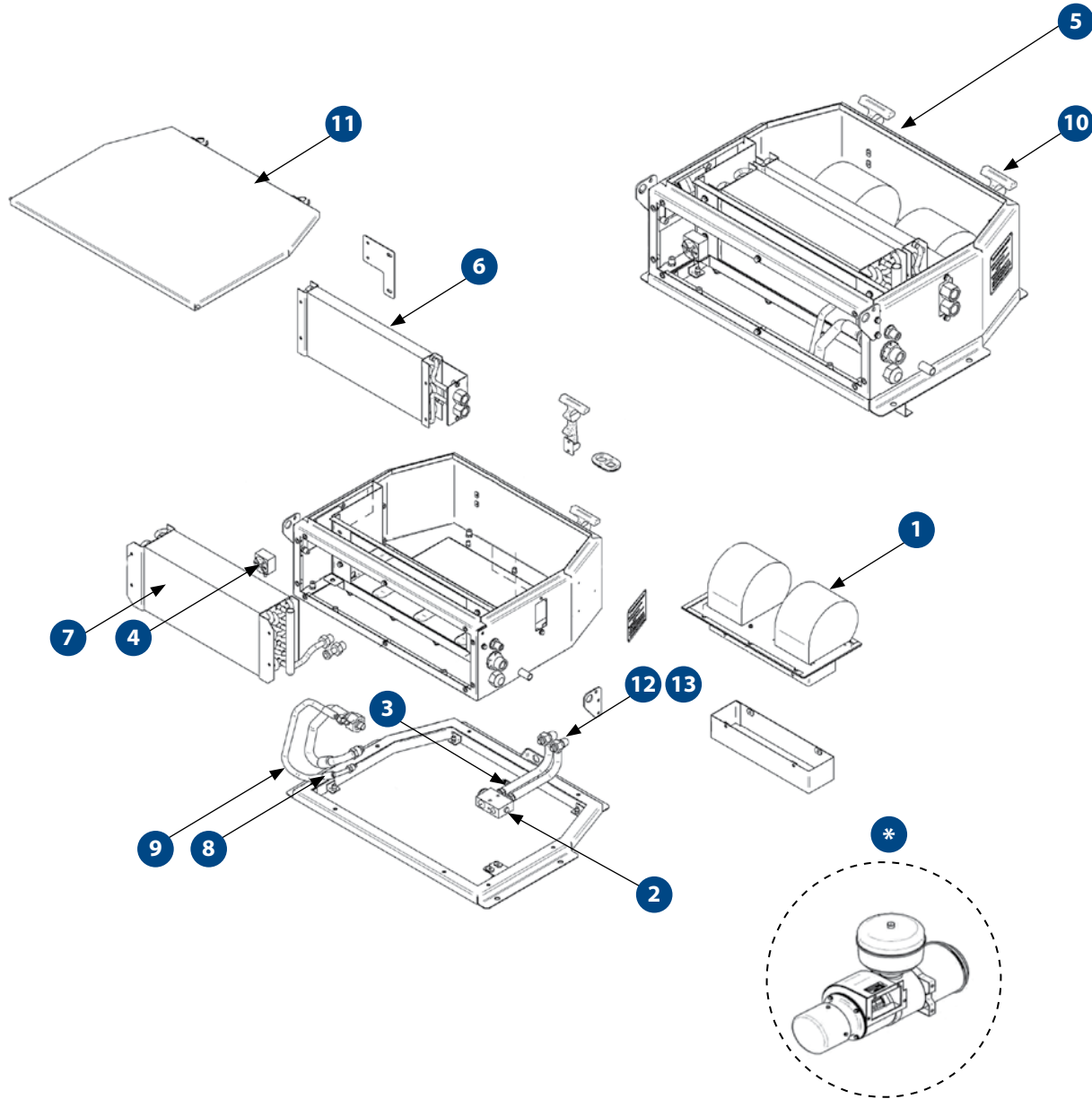
PART NO.	DESCRIPTION
TCW5BX1	Electric Condenser
TCW5BX2	Electric Condenser
EB9P4X	Pressuriser
HDC150	Hydraulic Compressor
AU2961001	Electric Compressor
AU270311	Engine Driven Compressor
AU270312	Engine Driven Compressor
H0081855	Receiver Drier
KNHV90043	TX Valve Fitting Kit
KNHV90044	R/A Box Duct Kit
AU531422	Receiver Drier
H0023631	Return Air Box - 6
AS4044301	Return Air Duct - 5



TFR6

ROOFTOP EVAPORATOR

TFR6BX3
Rooftop Evaporator 5kW 24V with Heating (4.5kW)



* SEE FVV50B3 (PAGE 37) FOR PRESSURISER SPARE PARTS AND MAINTENANCE

SPARE PARTS

PART NO.	DESCRIPTION	QTY
MC044S	RETURN AIR FILTER ASSEMBLY E&T SERIES	1
1 AU400051	FAN DECK 24V 3SPEED	1
2 AU521946	TX VALVE BLOCK 2T 3/8" IN 1/2" OUT R134A	1
3 AU523365	LOW PRESSURE SWITCH 1/4" FF 205kPa	1
4 UE016	THERMOSTAT DEICE STUD	1
5 AU862213	SEAL RUBBER	2
6 AU130024	HEATER COIL 376MM X 178MM X 32MM 2RW TFR6BX3	1
7 AU120853	EVAPORATOR COIL 376 X 178 X 95 6RW (TFR6BX3)	1
8 AS3337059	FLEXIBLE HOSE ASSEMBLY SUCTION TFR6	1
9 AS3337058	FLEXIBLE HOSE ASSEMBLY LIQUID LINE TFR6	1
10 AU851590	TOGGLE CLAMP RUBBER	2
11 AS3337050	LID ASSEMBLY	1
12 AS3337056	PIPE ASSEMBLY TX TO EVAPORATOR SUCTION	1
13 AS3337057	PIPE ASSEMBLY TX TO EVAPORATOR DISCHARGE	1
UE057	VALVE SOLENOID 1/4" BSP 24VDC WATER	1
AU661487	RELAY 50A 24VDC 1 POLE	1
AU681925	THERMOSTAT 12-24VDC WITH SENSOR + POT	1
AU862217	SEAL EMKA	1
AU663563	ROTARY SWITCH	1
AU663569	ROTARY SWITCH 1 2 3 4 WITH DUST BOOT	1
AU641C107	CIRCUIT BREAKER 10A PUSH PULL	1
AU641065	CIRCUIT BREAKER 25A PUSH PULL	1
AU821707	DIFFUSER 196MM X 83MM PLASTIC	2
AU641C110	CIRCUIT BREAKER 15A PUSH PULL	1
AU641C111	CIRCUIT BREAKER 5A PUSH PULL	1
UC504	DRAIN NOZZLE 13MM	4
UC020	HOSE CLEAR PVC 12 5MM ID	6
AU681925	THERMOSTAT 12 - 24 VDC WITH SENSOR + POT	1
AU681926	POT 10K WITH PLUG	1
S3337060	CASE SEAL (TFR6BX3)	1

* SEE PVV50B3 (PAGE 37) FOR PRESSURISER SPARE PARTS AND MAINTENANCE

173 For more information email Sigma
mid.aus@sigma-hvac.com

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	6.0 kW	20472 BTU
Heating Capacity	4.5 kW	15354 BTU
Fan Speeds	3	3
Air Flow	170 l/s	360 CFM
Fresh Air	30 l/s	64 CFM
Power Supply	24V	24V
Current Draw	13.5 / 27 A	13.5 / 27 A
Refrigerant	R134a	R134a
Maximum Ambient Temperature	54°C	129°F
Weight (nominal)	75.0 Kg	165.0 lbs
Technical Manual Reference	SM395-5000	SM395-5000
Dimension L X W X H	774mm X 600mm X 266mm	30.5in X 23.6in X 10.5in

MAINTENANCE

MONTHLY / 400 HOURS	
MC044S	RETURN AIR FILTER ASSEMBLY E&T SERIES
ANNUAL / 4,800 HOURS	
AU400051	FAN DECK 24V 3SPEED
3 YEARS / 14,400 HOURS	
AU521946	TX VALVE BLOCK 2T 3/8" IN 1/2" OUT R134A
AU523365	LOW PRESSURE SWITCH 1/4" FF 205kPa
UE016	THERMOSTAT DEICE STUD
AU661487	RELAY 50A 24V DC 1 POLE
UE057	VALVE SOLENOID 1/4" BSP 24VDC WATER
AU681925	THERMOSTAT 12-24VDC WITH SENSOR + POT
AU862213	SEAL RUBBER
AU862217	SEAL EMKA

Please contact SIGMA for more information including details on an overhaul scope and interval.
Maintenance periods and scope are dependent on application and site conditions, and are to be used as a guide.

COMPANION ITEMS

PART NO.	DESCRIPTION
TCF7BX2	Electric Condenser
EB9P4X	Pressuriser
H0017479	Hydraulic Compressor
H0017481	Hydraulic Compressor
AU1102401	Radiator Condenser
AU270306	Engine Driven Compressor
AU270307	Engine Driven Compressor
AU2790311	Engine Driven Compressor
AU270312	Engine Driven Compressor
AU531422	Receiver Drier

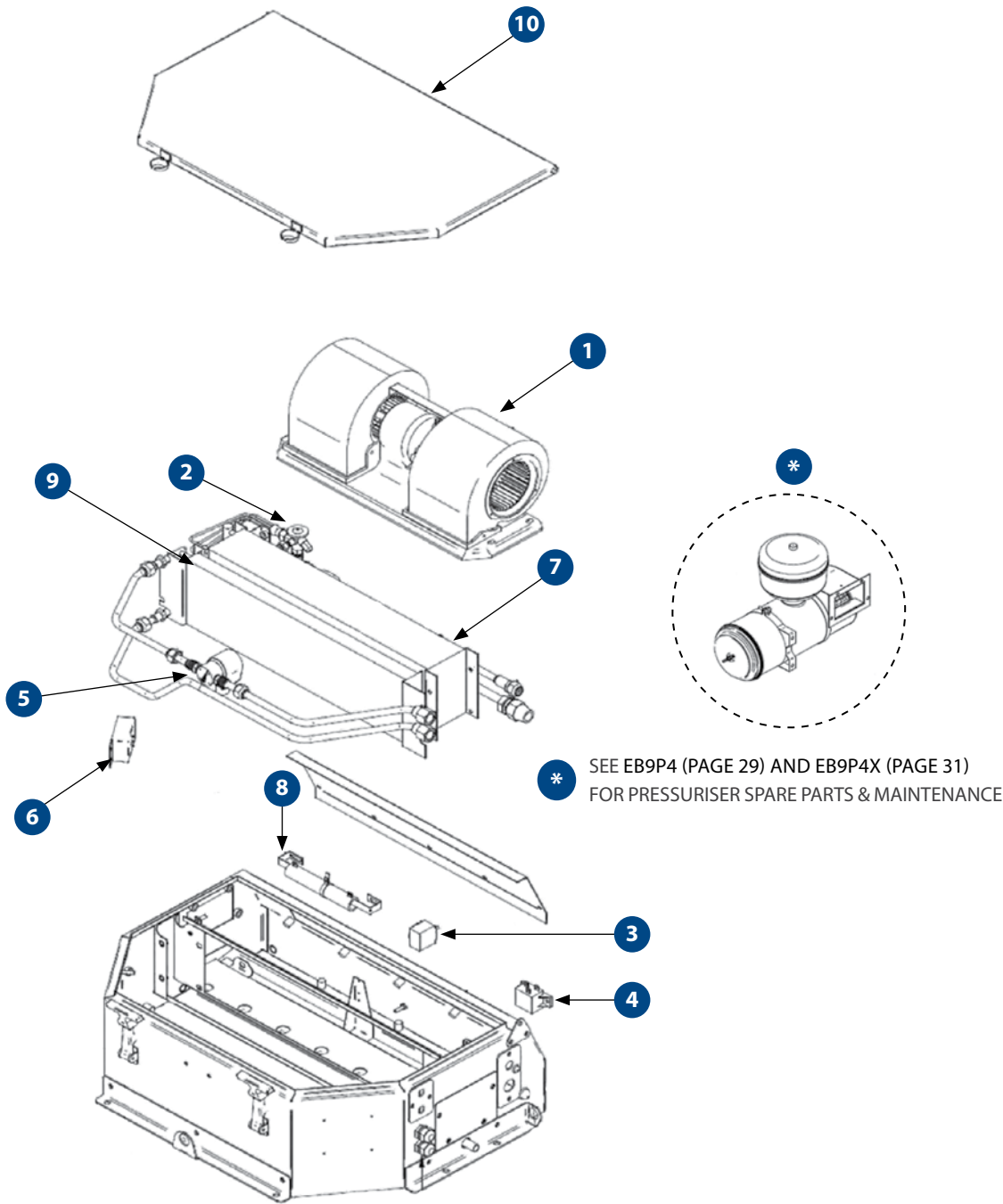
- DRAGLINE & SHOVEL
- DRILL
- EXCAVATOR
- DOZER
- TRUCK
- WHEEL LOADER
- CONSTRUCTION
- UNDERGROUND EQUIPMENT
- INDUSTRIAL
- SMELTERS
- RAIL SPECIAL VEHICLES



TFR7

ROOFTOP EVAPORATOR

TFR7BX2
Rooftop Evaporator 7kW 24V with Heating (6kW)



SPARE PARTS

PART NO.	DESCRIPTION	QTY
MC044S	RETURN AIR FILTER ASSEMBLY E&T SERIES	1
1 AS500037	SUPPLY FAN ASSEMBLY	1
AU320C053	MOTOR 3450-263 27VDC D/S	1
UF171	BLOWER 121D X 127W X 3/8" DI	2
UF173	BLOWER HOUSING LEFT HAND	1
UF174	BLOWER HOUSING RIGHT HAND	1
AU320028	MOTOR BRUSH KIT - ASSEMBLY + HOLDER	1
UF034	INLET RING 103.5MM	1
2 AU521509	TX VALVE 2T 3/8"IN 1/2" OUT 1/4"EQ R134A	1
AU521508	TX ORIFICE 2T R22 #06	1
3 UE016	THERMOSTAT DEICE STUD	1
4 AU661487	RELAY 50A 24VDC 1 POLE	1
5 UE057	VALVE SOLENOID 1/4" BSP 24VDC WATER	1
6 AU681925	THERMOSTAT 12-24VDC WITH SENSOR + POT	1
7 AU120954	EVAPORATOR COIL 570MM X 152MM X 95MM 6RW TDR6	1
8 AU692105	RESISTOR 2 OHM 100W 1 CLIPS ADJUSTABLE	1
9 AU130014	HEATER COIL 570 X 152 X 32 2RW TFR6BX2	1
10 AS247423	LID ASSEMBLY	1
AU862213	SEAL 1011-10 RUBBER	1
AU851590	TOGGLE CLAMP RUBBER	2
AU641065	CIRCUIT BREAKER 25A PUSH PULL	1
AU641C110	CIRCUIT BREAKER 15A PUSH PULL	1
AU821300	DIFFUSER ROUND 120MM POLYAMIDE	4
AU517505	VALVE ACCESS 1/4" 1/8" OD SOLDER	1
UC020	HOSE CLEAR PVC 12 5MM ID	6.00
UC504	DRAIN NOZZLE 13MM	4
AU523365	LOW PRESSURE SWITCH 1/4" FF 205kPa	1
AU663563	ROTARY SWITCH FAN	1
AU663569	ROTARY SWITCH MODE	1
AU681926	POT 10K WITH PLUG	1
*	SEE EB9P4 (PAGE 29) AND EB9P4X (PAGE 31) FOR PRESSURISER SPARE PARTS AND MAINTENANCE	

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	7.0 kW	23884 BTU
Heating Capacity	6.0 kW	20472 BTU
Fan Speeds	3	3
Air Flow	170 l/s	360 CFM
Fresh Air	30 l/s	64 CFM
Power Supply	24V	24V
Current Draw	13.5 A	13.5 A
Refrigerant	R134a	R134a
Maximum Ambient Temperature	54°C	129°F
Weight (nominal)	80.0 Kg	176.0 lbs
Technical Manual Reference	SM395-5000	SM395-5000
Dimension L X W X H	774mm X 600mm X 266mm	30.5in X 23.6in X 10.5in

MAINTENANCE

MONTHLY / 400 HOURS	
MC044S	RETURN AIR FILTER ASSEMBLY E&T SERIES
ANNUALLY / 4,800 HOURS	
AU320C053	MOTOR 3450-263 27VDC D/S
3 YEARS / 14,400 HOURS	
AU521509	TX VALVE 2T 3/8"IN 1/2"OUT 1/4"EQ R134A
AU521508	TX ORIFICE 2T R22 #06
UE016	THERMOSTAT DEICE STUD
AU661487	RELAY 50A 24VDC 1 POLE
UE057	VALVE SOLENOID 1/4" BSP 24VDC WATER
AU681925	THERMOSTAT 12-24VDC WITH SENSOR + POT
AU862213	SEAL EMKA 1011-10 RUBBER
Please contact SIGMA for more information including details on an overhaul scope and interval. Maintenance periods and scope are dependent on application and site conditions, and are to be used as a guide.	

COMPANION ITEMS

PART NO.	DESCRIPTION
TCF7BX2	Electric Condenser
EB9P4X	Pressuriser
H0017479	Hydraulic Compressor
H0017481	Hydraulic Compressor
AU1102401	Radiator Condenser
AU270306	Engine Driven Compressor
AU270307	Engine Driven Compressor
AU2790311	Engine Driven Compressor
AU270312	Engine Driven Compressor
AU531411	Receiver Drier
AU531422	Receiver Drier
AU523655	HP Switch

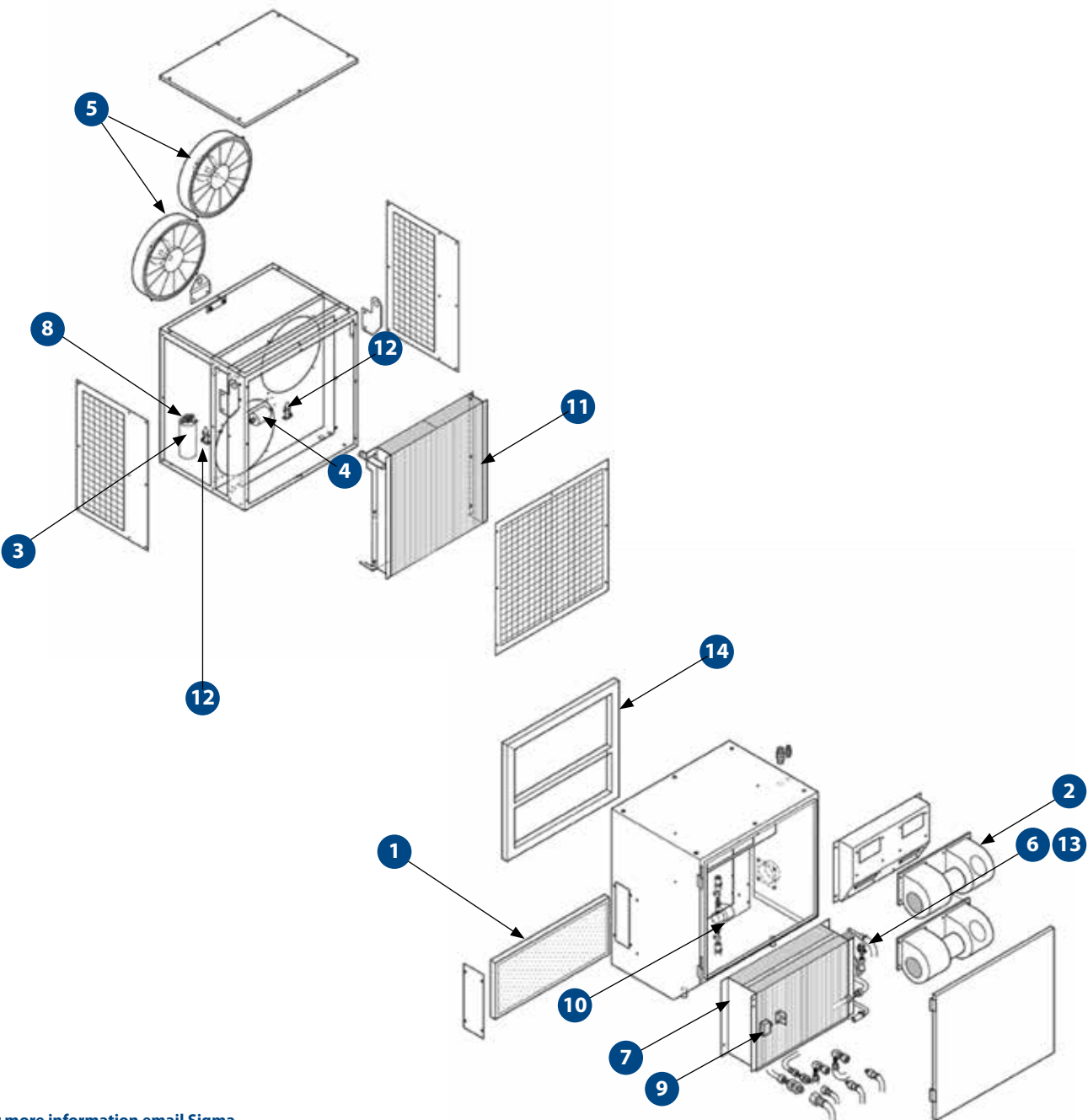


TPW8

WALL MOUNTED HVAC UNIT

TPW8BX1*
Wall Mount Packaged HVAC 8kW 24V with Heating (6kW)

* HVAC obsolete, spares support only



SPARE PARTS

PART NO.	DESCRIPTION	QTY
1 AU4601012	FILTER CARTRIDGE PLEAT 577MM X 250MM X 25MM RA	1
2 AU400051	FAN DECK 24V 3SPEED	2
3 AU531411	RECEIVER DRIER 3/8" 24UNF 165MM HIGH	1
4 AU531138	DRIER 3/8" MF	1
5 AU4301010	FAN AXIAL 24VDC 315MM	2
6 AU521509	TX VALVE 2T 3/8" IN 1/2" OUT 1/4" EQ R134A	1
7 AU1201008	EVAPORATOR+HEATER COIL 470MM X 332MM X 66MM +44	1
8 UE064	DPC 1/4" MF HIGH PRESSURE 2206kPa LOW PRESSURE 196kPa	1
9 UE016	THERMOSTAT DEICE STUD	1
10 UE057	VALVE SOLENOID 1/4" BSP 24VDC WATER	1
11 AU1101013	CONDENSER COIL 490MM X 555MM X 66MM 4RW	1
12 AU517254	PCAV 3/8" SOLDER	2
13 AU521508	TX ORIFICE 2T R22 #06	1
14 AU8621003	SEAL CABIN SA & RA INTERFACE	1
AU230C012	VALVE 5/8 TUBE #10 R134A SUCTION	1
AU230C011	VALVE 1/2 TUBE #8 R134A DISCHARGE	1
AU5551003	HOSE ASSEMBLY - SUCTION	1
AU5551002	HOSE ASSEMBLY - DISCHARGE	1
AU862211	LID RUBBER SEAL	1.20

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	8.0 kW	27296 BTU
Heating Capacity	6.0 kW	20472 BTU
Fan Speeds	3	3
Air Flow	400 l/s	848 CFM
Fresh Air	30 l/s	64 CFM
Power Supply	24V	24V
Current Draw	35 A	35 A
Refrigerant	R134a	R134a
Maximum Ambient Temperature	54°C	129°F
Weight (nominal)	110.0 Kg	242.0 lbs
Dimension L X W X H	1300mm X 500mm X 465mm	51.2in X 19.7in X 18.3in

MAINTENANCE

MONTHLY / 400 HOURS	
AU4601012	FILTER CARD PLEAT 577MM X 250MM X 25MM RA
ANNUAL / 4,800 HOURS	
AU400051	FAN DECK 24V 3SPEED
AU531411	RECEIVER DRIER 3/8" 24UNF 165MM HIGH
AU531138	DRIER 3/8" MF
AU4301010	FAN AXIAL 24VDC 315MM
3 YEARS / 14,400 HOURS	
AU521508	TX ORIFICE 2T R22 #06
AU521509	TX VALVE 2T 3/8" IN 1/2" OUT 1/4" EQ R134A
UE064	DPC 1/4" MF HIGH PRESSURE 2206kPa LOW PRESSURE 196kPa
UE016	THERMOSTAT DEICE STUD
UE057	VALVE SOLENOID 1/4" BSP 24VDC WATER

Please contact SIGMA for more information including details on an overhaul scope and interval. Maintenance periods and scope are dependent on application and site conditions, and are to be used as a guide.

COMPANION ITEMS

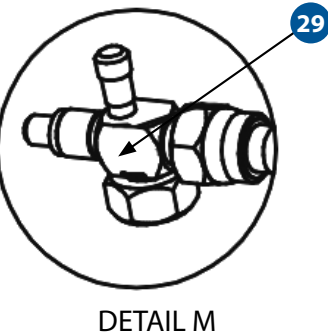
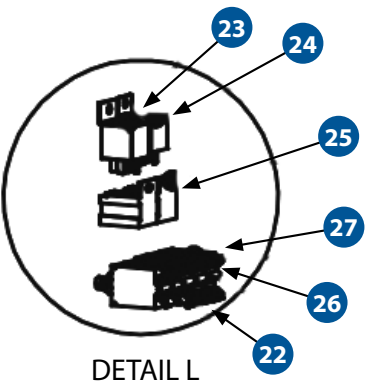
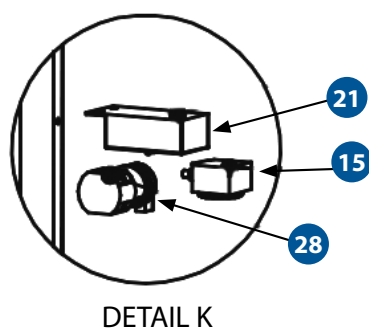
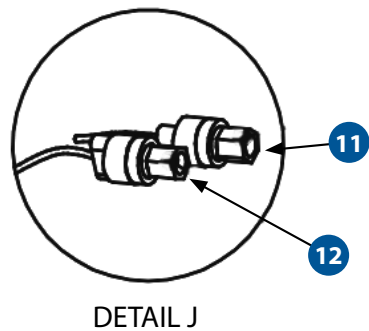
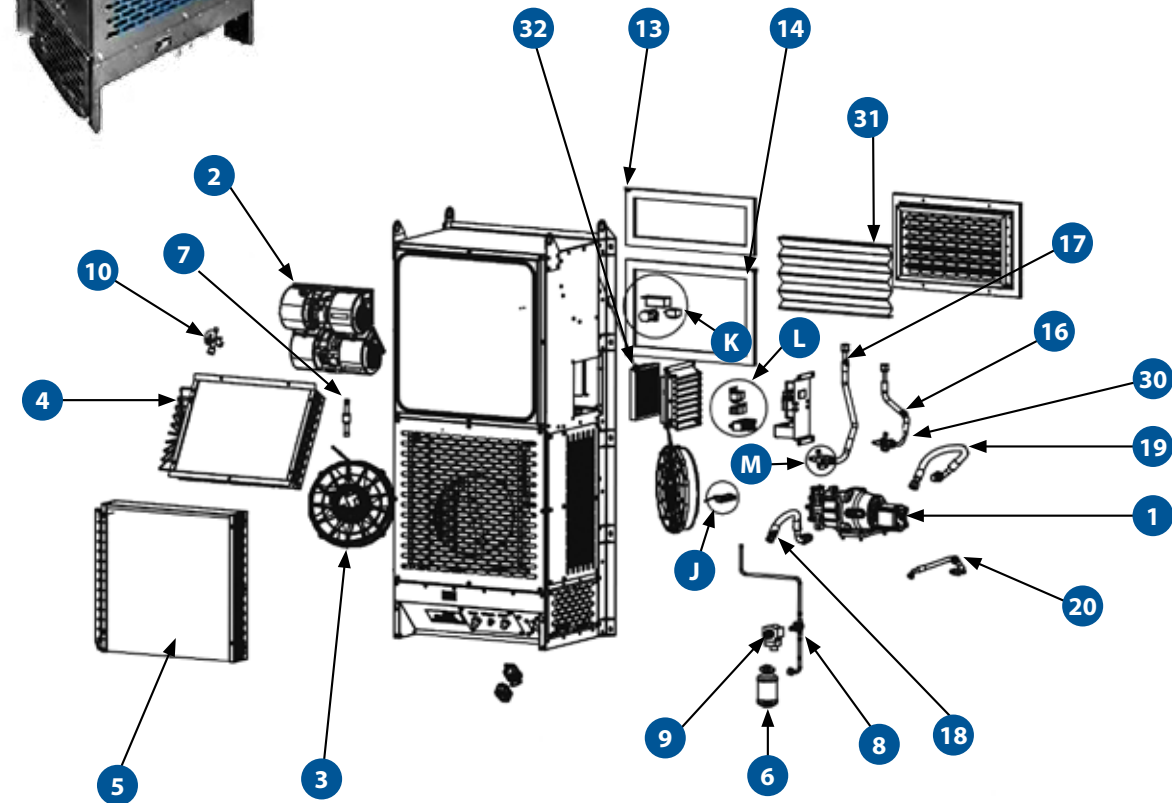
PART NO.	DESCRIPTION
EB9P4X	Pressuriser
H0017489	Hydraulic Compressor
H0017493	Hydraulic Compressor
AU270314	Engine Driven Compressor



TPW10BX1

WALL MOUNT PACKAGED UNIT

H0145650
Wall Mount Packaged HVAC10kW 24V without heating



SPARE PARTS

PART NO.	DESCRIPTION	QTY
1	H0017489 COMPRESSOR, FLEX COUPLING, HOUSING HYD MOTOR ASSEMBLY	1
2	H0156797 EVAPORATOR FAN ASSEMBLY	2
3	H0156798 CONDENSER FAN ASSEMBLY	1
4	H0139217 EVAPORATOR COIL	1
5	H0139972 CONDENSER COIL	1
6	AU531411 RECEIVER DRIER 3/8" 24UNF 165MM HIGH	1
7	654D003 CHECK VALVE	1
8	654098 SOLENOID VALVE BODY	1
9	AU668140 SOLENOID VALVE COIL	1
10	AU521537 TX VALVE	1
11	H0156794 HIGH PRESSURE SWITCH	1
12	H0156795 LOW PRESSURE SWITCH	1
13	H0139910 SEALING RUBBER SUPPLY AIR	1
14	H0139909 SEALING RUBBER RETURN AIR	1
15	UE016 THERMOSTAT DEICE STUD	1
16	H0141844 DISCHARGE REFRIGERANT HOSE	1
17	H0141843 SUCTION REFRIGERANT HOSE	1
18	H0173490 PRESSURE OIL HOSE	1
19	H0173492 RETURN OIL HOSE	1
20	H0141060 DRAIN OIL HOSE	1
21	AU681925 THERMOSTAT 12-24VDC WITH SENSOR+POT	1
22	AU641065 CIRCUIT BREAKER 25A PUSH PULL	1
23	AU661484 RELAY 20A 24VDC 5 PIN CHANGEOVER	1
24	AU661483 RELAY 20A 24VDC 5 PIN	1
25	ERR023 RELAY BASE 5 PIN (PANEL MOUNT)	1
26	AU641C107 CIRCUIT BREAKER 10A PUSH PULL	1
27	AU641C110 CIRCUIT BREAKER 15A PUSH PULL	1
28	H0143675 SELECTOR SWITCH	1
29	AU230C012 VALVE 5/8 TUBE #10 R134a SUCTION	1
30	AU230C011 VALVE 1/2 TUBE #8 R134a DISCHARGE	1
31	H0143292 RETURN AIR FILTER MEDIA G3	1
32	H0142578 AIR FILTER ELEMENT	1

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	10.0 kW	34120 BTU
Fan Speeds	3	3
Air Flow	350 l/s	742 CFM
Fresh Air	100 l/s	212 CFM
Power Supply	24V	24V
Current Draw	43 A	43 A
Refrigerant	R134a	R134a
Minimum Ambient Temperature	25°C	77°F
Maximum Ambient Temperature	54°C	129°F
Weight (nominal)	160.0 Kg	352.7.0 lbs
Technical Manual Reference	HD0030589	HD0030589
Dimension (L X W X H)	770mm X 500mm X 1550mm	30.3in X 19.7in X 61.0in

MAINTENANCE

3 MONTHS / 500 HOURS	
H0142578	AIR FILTER ELEMENT
H0143292	RETURN AIR FILTER MEDIA G3
ANNUAL / 2,000 HOURS	
AU531411	RECEIVER DRIER 3/8" 24UNF 165MM HIGH
H0156797	EVAPORATOR FAN ASSEMBLY
H0156798	CONDENSER FAN ASSEMBLY
3 YEARS / 6,000 HOURS	
AU230C011	VALVE 1/2 TUBE #8 R134a DISCHARGE
AU681925	THERMOSTAT 12-24VDC WITH SENSOR + POT
H0156794	HIGH PRESSURE SWITCH
H0156795	LOW PRESSURE SWITCH
UE016	THERMOSTAT DEICE STUD
Please contact SIGMA for more information including details on an overhaul scope and interval. Maintenance periods and scope are dependent on application and site conditions, and are to be used as a guide.	

COMPANION ITEMS



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Colin Jamieson Drive Welshpool, Australia

United States:

Arthur Peck Drive, Westminster MD, USA

India:

Delhi-Mathura Road, Palwal, Haryana, Delhi, India

China:

Jingui Road, Wuxi Jiangsu Province, China



SIGMA

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