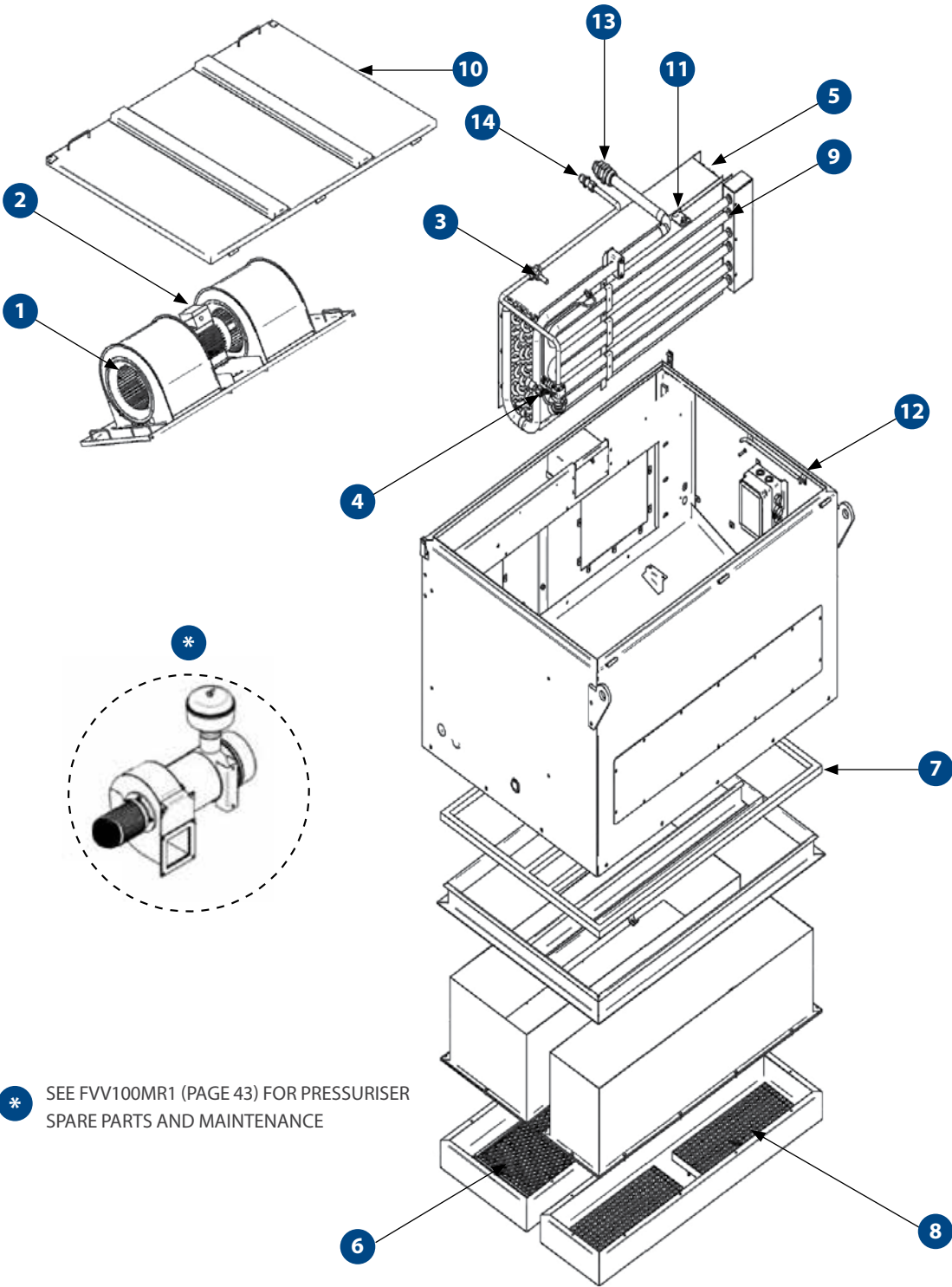




MPR20MX1 - EVAPORATOR

ROOFTOP PACKAGED HVAC UNIT

MPR20MX1
Rooftop Packaged HVAC 20kW 415VAC with Heating (9kW)



* SEE FVV100MR1 (PAGE 43) FOR PRESSURISER SPARE PARTS AND MAINTENANCE

SPARE PARTS

PART NO.	DESCRIPTION	QTY
1 AU410130	BLOWER 250D X 242W X 19MM CW DI	2
2 UE321	MOTOR 1.1/0.37kW 90L 4/6P D/S	1
AU668135	COIL SOLENOID 110VAC	1
3 AU522127	SOLENOID VALVE 200RB 5/8" SOLDER	1
AU631451	PLUG PG9 SOL COIL 240VAC 10A	1
AU521512	TX VALVE 5T ANGLE 1/2" IN 5/8" OUT R134A	1
4 AU521511	TX THERMOSTAT ELEM 5T R134A	1
UR348	TX ORIFICE #02	1
5 AU120484	EVAPORATOR COIL 990 X 318 X 137 5 RW M20	1
6 AS503103S	RETURN AIR FILTER 477MM X 312MM M15 (STANDARD)	2
7 AU08379	ROOF SEAL	1
8 UC342	DIFFUSER 500MM X 200MM OPEN AREA DOUBLE DEFLECTION	2
9 UE272	HEATER U SHAPE 3KW 240V 975MM FIN	3
10 AS508307	EVAPORATOR LID	1
11 AU681020	HEATER OVER TEMPERATURE SWITCH	1
12 AU862211	SEAL RUBBER	5m
UR296	BULKHEAD 1 5/8" MJIC	1
13 UR302	UNION 1 5/8" FJIC X 1 1/2 SL	1
14 UR011	BULKHEAD 5/8" MF	1
AU746906	DRAIN TRAP	1

* SEE FVV100MR1 (PAGE 43) FOR PRESSURISER SPARE PARTS AND MAINTENANCE

SPARE PARTS LIST CONTINUED NEXT PAGE

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	20.0 kW	68240 BTU
Heating Capacity	9.0 kW	30708 BTU
Fan Speeds	2	2
Air Flow	900 l/s	1907 CFM
Fresh Air	100 l/s	212 CFM
Power Supply	415 VAC 3Phase-50Hz	415 VAC 3Phase-50Hz
Current Draw	33 A	33 A
Refrigerant	R134a	R134a
Maximum Ambient Temperature	54°C	129°F
Packaged Weight (nominal)	760.0 Kg	1672.0 lbs
Dimension (L X W X H)	1920mm X 1670 mm X 895mm	75.6in X 65.7in X 35.2in

MAINTENANCE

MONTHLY / 450 HOURS	
AS503103S	RETURN AIR FILTER 477MM X 312MM M15
3 YEARS / 16,200 HOURS	
AU521511	TX THERMOSTAT ELEM 5T R134A
AU521515	TX ORIFICE 5T R134A #04
AU862211	SEAL 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

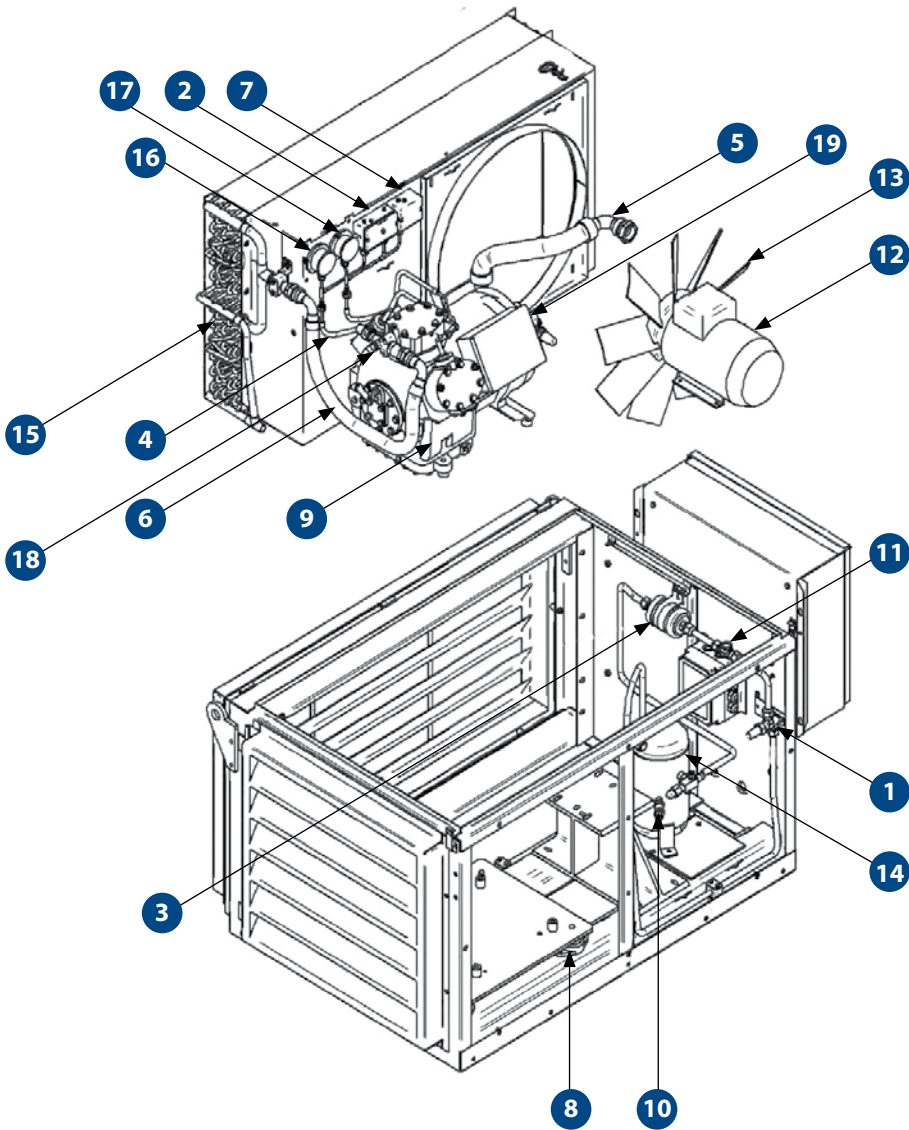
PART NO.	DESCRIPTION
AU460866	FILTER CARTRIDGE PLEAT 505MM X 330MM X 50MM (OPTIONAL)



MPR20MX1 - CONDENSER

ROOFTOP PACKAGED HVAC UNIT

MPR20MX1
Rooftop Packaged HVAC 20kW 415VAC with Heating (9kW)



SPARE PARTS

PART NO.	DESCRIPTION	QTY
1 AU517208	PCLV 5/8" MF	1
2 AU523111	DUAL PRESSURE CONTROL LP AUTO HP MANUAL	1
3 AU531358	DRIER 5/8" MF	1
4 AS160182	HP FLEXIBLE HOSE ASSEMBLY	2
5 AS508426	SUCTION LINE HOSE	1
6 AS508432	HOSE DISCHARGE LINE	1
7 AU523606	HP CONTROL AUTO	1
8 AU845032	ANTI VIBRATION MOUNT	4
9 AU200014	COMPRESSOR WITH 2 ELECTRIC UNLOADER	1
10 AU527126	RELIEF VALVE 3/8"	1
11 AU533408	SIGHT GLASS	1
12 AU319037	MOTOR 1.85/0.55KW 100L 4/6P	1
13 AU420277	FAN AXIAL 560MM 9 BLADES	1
14 UR022	RECEIVER 330 X 168MM 5/8" SL X 5/8" ROTALOK	1
15 AU110428	CONDENSER COIL 1135MM X 635MM X 138MM	1
16 AU532331	GAUGE 63MM R134A 100 TO 1900 kPa	1
17 AU532330	GAUGE 63MM R134A 0 TO 2500kPa	1
18 AS3386352	VALVE DISCHARGE WITH FITTING	1
19 AS3386351	VALVE SUCTION WITH FITTING	1
AU517507	VALVE ACCESS 1/4"	1
AU200045	VALVE UNLOADER PRESSURE	1
AU200079	CRANKCASE HEATER 415V 75W	1
AU519074	ADAPTOR 134A 1/4" HIGH SIDE RED	1
AU519075	ADAPTOR 134A 1/4" LOW SIDE BLUE	1
AS508425	LID ASSEMBLY	1
AU542026	REFRIGERANT OIL	4.4
AU200045	VALVE UNLOADER PRESSURE	1
AU200061	VALVE UNLOADER ELECTRICAL	1

SPARE PARTS LIST CONTINUED NEXT PAGE

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	20.0 kW	68240 BTU
Heating Capacity	9.0 kW	30708 BTU
Fan Speeds	2	2
Air Flow	900 l/s	1907 CFM
Fresh Air	100 l/s	212 CFM
Power Supply	415 VAC 3Phase-50Hz	415 VAC 3Phase-50Hz
Current Draw	33 A	33 A
Refrigerant	R134a	R134a
Maximum Ambient Temperature	54°C	129°F
Packaged Weight (nominal)	760.0 Kg	1672.0 lbs
Dimension (L X W X H)	1920mm X 1670 mm X 895mm	75.6in X 65.7in X 35.2in

MAINTENANCE

ANNUAL / 5,400 HOURS	
AU531358	DRIER 5/8" MF
3 YEARS / 16,200 HOURS	
AU523111	DUAL PRESSURE CONTROL LP AUTO HP MANUAL
AS160182	HP FLEXIBLE HOSE ASSEMBLY
AS508426	SUCTION LINE HOSE
AS508432	HOSE DISCHARGE LINE
AU523606	HP CONTROL AUTO
AU845032	ANTI VIBRATION MOUNT
AS3386352	VALVE DISCHARGE WITH FITTING
AS3386351	VALVE SUCTION WITH FITTING
AU542026	REFRIGERANT OIL

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

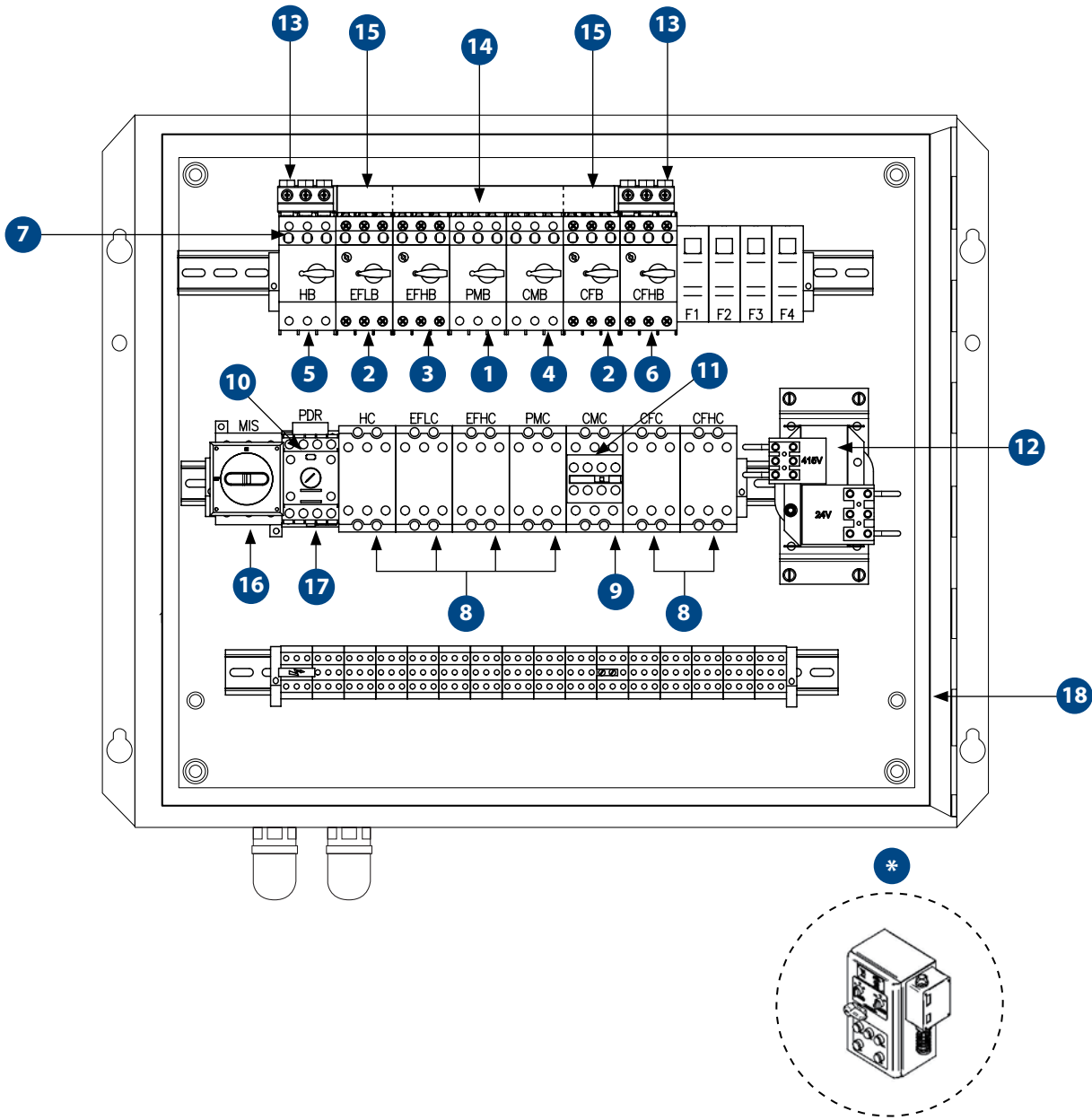
PART NO.	DESCRIPTION
FVV100MR1	Pressuriser



MPR20MX1 - ELECTRICAL

ROOFTOP PACKAGED HVAC UNIT

MPR20MX1
Rooftop Packaged HVAC 20kW 415VAC with Heating (9kW)



* SEE MEWH1/MEWI1 (PAGE 182) PILOT CONTROL BOX FOR SPARE PARTS

SPARE PARTS

PART NO.	DESCRIPTION	QTY
1 AU641486	1.1-1.6A 3 POLE	1
2 AU641488	CIRCUIT BREAKER 1.8-2.5A 3 POLE	2
3 AU641490	CIRCUIT BREAKER 2.8-4.0A 3 POLE	1
4 AU641499	CIRCUIT BREAKER 20.0-25.0A 3 POLE	1
5 AU641496	CIRCUIT BREAKER 11.0-16.0A 3 POLE	1
6 AU641492	CIRCUIT BREAKER 4.5-6.3A 3 POLE	1
7 AU641501	CIRCUIT BREAKER AUX 1CO	7
8 AU651151	CONTACTOR 17A 24VAC 3 POLE 1NO 1NC	6
9 AU651178	CONTACTOR 25A 24VAC	1
10 AU653505	TIMER (3-30 SECONDS)	6
11 AU653602	AUXILIARY CONTACT 2NO 2NC	1
12 AU666089	TRANSFORMER 415V 24V 140VA 115W	1
13 642E10063	BUSBAR TERMINAL	2
14 AU635609	BUSBAR 5 BREAKER 3RV	1
15 AU635610	BUSBAR 2 BREAKER 3RV	2
16 AU642070	SWITCH ISOLATION ROTARY 80A	1
17 AU651056	CONTACTOR 12A 3 POLE 24VAC 1NC	1
18 AU862211	SEAL RUBBER	2.5m
AU851556	LATCH 1/4 TURN DOUBLE WING 5MM PIN	2
AU851588	KEY DOUBLE WING 5MM PIN SUIT AU851556	1

* SEE MEWH1/MEWI1 (PAGE 182) PILOT CONTROL BOX FOR SPARE PARTS

SPARE PARTS LIST CONTINUED ON PREVIOUS PAGE

SPECIFICATIONS

	METRIC	IMPERIAL
Cooling Capacity	20.0 kW	68240 BTU
Heating Capacity	9.0 kW	30708 BTU
Fan Speeds	2	2
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Maximum Ambient Temperature	54°C	129°F
Packaged Weight (nominal)	760.0 Kg	1672.0 lbs
Dimension (L X W X H)	1920mm X 1670 mm X 895mm	75.6in X 65.7in X 35.2in

MAINTENANCE

3 YEARS / 16,200 HOURS

AU653505 TIMER (3-30 SECONDS)

AU651056 CONTACTOR 12A 3 POLE 24VAC 1NC

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
FVV100MR1	Pressuriser