



COMMERCIAL EQUIPMENT

COMPACT CEILING MOUNTED CENTRIFUGAL

EMF

Compact commercial ceiling-mounted refrigeration units for small volume cold storage rooms, with centrifugal fan, for use in medium and low temperature applications.

R-455A
R-454C



GENERAL CHARACTERISTICS

- Pre-charged with refrigerant.
- Hermetic compressor.
- Expansion by thermostatic valve.
- High and low-pressure control.
- Automatic defrosting by hot gas.
- Automatic evaporation of defrosting water.
- Cable for supply, light and door micro switch (2,5 m).
- Centrifuge fan in the condenser (Max. length 10m, min. diameter 250 mm Series 100 and 315 mm Series 200-300).
- Remote multifunctional electronic control (5 m).
- Watertight light point with energy-saving LED bulb.
- Condensation control by pressure switch.
- Ceramic filter dryer.
- Probe alert "dirty condenser".
- Evaporator located in a totally hermetic and insulated enclosure.
- High performance optimized air flow in the evaporator.
- Indoor use.
- Watertight electrical panel.
- Air extraction fan.

OPTIONS

- Refrigerant R-454C.
- Winter Kit.
- Rotation / failure system for two units.
- Synchronized defrost system for two units.
- Voltage protector.
- Anti-corrosion treatment on condenser / evaporator coil.
- Exhaust air duct.
- Time control.
- Humidifier external to the equipment and control (cooling).
- Anti-corrosive treatment for the condenser unit furniture.
- Monitoring and control system. See page 69.



ELECTRONIC CONTROLLER

KIDE-Split units incorporate the advanced XW60K-2DI electronic controller as standard.

- Temperature control with maximum and minimum temperature recordings.
- "Jet Cool" function for rapid cooling
- Intelligent defrost.



All compact units in the commercial range using A2L refrigerants (R-455A and R-454C) are excluded* from the scope of the Regulation on Safety for Refrigeration Installations (RSIF).

* The exclusion of these units does not mean that the entire installation is exempt from the application of this REGULATION regarding design, safety conditions, and communication with the administration.

0 °C -5 °C ÷ 10 °C		Refrigeration capacity	°C EXT	°C EXT		Compressor		R-455A	Nominal consumption	Max. load current	Flow condens. evapora.	Noise level	Weight
Series	Model	W	m³	m³		HP	kW	kg	A	A	m³/h	dBA	kg
100	EMF1006M1G	1.145	9	7	230/1/50	3/4	0,5	<1	5,2	7,3	1.030 - 1.100	34	102
	EMF1007M1G	1.475	12	9	230/1/50	1	0,7	<1	5,6	8,6	1.030 - 1.100	34	102
200	EMF2010M1G	1.750	16	14	230/1/50	1 1/4	0,9	<1,5	8,9	10,8	1.370 - 2.200	40	113
	EMF2015M5G	2.000	20	17	400/3/50	1 1/2	1,1	<1,5	3,9	4,6	1.370 - 2.200	40	118
300	EMF3017M5G	2.510	30	25	400/3/50	1 3/4	1,3	<1,8	4,6	5,7	1.370 - 3.300	43	140
	EMF3020M5G	3.100	40	32	400/3/50	2	1,5	<1,8	5,3	6,7	1.370 - 3.300	45	143

i If the equipment is to operate in a working range between 0 and -5 °C, it will be necessary to include a drain resistor. (Consult the technical office).

-20 °C -25 °C ÷ -15 °C		Refrigeration capacity	°C EXT	°C EXT		Compressor		R-455A	Nominal consumption	Max. load current	Flow condens. evapora.	Noise level	Weight
Series	Model	W	m³	m³		HP	kW	kg	A	A	m³/h	dBA	kg
100	EMF1010L1G	850	5	4	230/1/50	3/4	0,5	<1	3,6	6,8	1.030 - 1.100	34	99
	EMF1015L1G	1.100	8	5	230/1/50	1 1/4	0,9	<1	5,6	8,5	1.030 - 1.100	35	99
200	EMF2015L1G	1.350	15	10	230/1/50	1 3/4	1,3	<1,5	7,1	10,5	1.370 - 2.200	40	118
300	EMF3017L5G	1.500	21	14	400/3/50	2	1,5	<1,8	4,1	4,9	1.370 - 3.300	44	140
	EMF3020L5G	2.000	25	18	400/3/50	2 1/2	1,8	<1,8	5,7	7,7	1.370 - 3.300	45	143

DIMENSIONS

Unit			
Series	A	B	C
100	400	695	1.050
200	500	950	1.172
300	500	950	1.210

Cut	
H	L
615	405
865	405
865	405

Unit + EMB. / PACK.			
A	B	C	kg
966	780	1.105	115
1.136	1.000	1.350	145
1.136	1.000	1.350	170

