



Compact rooftop monoblock unit for refrigeration at medium temperature with water-cooled condensation, constructed with high quality components with painted galvanised steel shell. With the following characteristics:

- power supply 230V - I - 50Hz.,
- refrigerant R-449A,
- hermetic reciprocating compressor,
- high and low pressure switches,
- hot gas defrosting,
- inbuilt power board and electronic regulation with inbuilt keypad.

INCLUDED OPTIONS:

- Automatic water pressure valve, controlled by condensation pressure, with direct actuation to condition condensation pressure for commercial range units. Valve supplied separately for installation outside the unit

CHARACTERISTICS

MCR-HG-1024		Water inlet/outlet	
		7 °C/30 °C	40 °C/45 °C
Cooling capacity ① (W)		2390	1959
Absorbed power ② (W)		1040	1190
C.O.P.		2,30	1,65
Installed potential ③ (W)		1589	
Dimensions (L x H x W) (mm)		600x850x574	
Weight (kg)		82	
Sound pressure level ④ (dBA)		34	
Compressor	Type	Hermetic reciprocating	
	Number x model	1x CAJ9513Z	
	Power	1 HP	
	Volumetric displacement per compressor (m³/h)	4,21	
	P. discharge in nominal conditions (rel. bar)	13,71	20,46
	P. suction in nominal conditions (rel. bar)	2,94	3,31
	Load and type of oil each compressor	0,475 litres POE	
Refrigerant		R-449A / Group L1 / PCA-100:1398	
Pressure switch	Type	ACB	
	Brand	Danfoss	
	Model	061F8175	
	Set pressure (rel. bar)	28	
Evaporator fans	Number	1	
	Type	Axial	
	Power supply	230V - I - 50Hz	
	Nominal air flow rate (m³/h)	600	
	Maximum absorbed power (W)	62	
Power supply		230V - I - 50Hz	
Maximum functioning intensity with continuous functioning of compressor (A)		10,20	
Intensity with blocked rotor each compressor (A)		33,50	
Maximum absorbed intensity by evaporator fans (A)		0,27	
Maximum absorbed intensity with continuous functioning of the unit (compressor + fans) ⑤ (A)		10,95	
Total start-up intensity for unit (A)		34,25	

① Cooling capacity calculated from the following functioning conditions:
- Cold room temperature: 4 °C.

② Total absorbed power by compressor and fans in nominal conditions.

③ Definition given in the RD138/2011 Security regulation for refrigeration installations and its I.T. complementary. IF-01.

④ Sound pressure level refers to acoustic pressure level in dB(A), measured in an open field at 10m from the source.

⑤ Maximum absorbed power including working outside of the functional limits of the compressor.