



Features

- High thermal performance plate type heat exchangers.
- SUS304, corrosion resistance longer life.
- Eco-friendly HFCs. Reduce energy consumption also mitigating global warming damage.
- 3 in 1 heat exchanger, evaporator and moisture separator, low pressure drop.
- Fully automatic loading control by pressure switch and hot gas by-pass valve.
- External float auto drain, easy maintenance and service.

Specification

Model	MARD-05NP	MARD-08NP	MARD-10NP
Max. capacity (Nm ³ /min)	0.8	1.2	1.6
Connection (inch)	Rc1/2	Rc1/2	Rc1
Power supply	220V/1ø/60Hz		
Consumption (kw) ±5%	0.35		0.43
Refrigerant	R134a		
Dimension (mm)	L	420	420
	W	320	380
	H	525	560
Net weight (kg)	24	25	55

Correction factor

Working pressure (MPa)	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Correction factor (Fp)	0.8	0.88	0.94	1.0	1.04	1.06	1.09
Inlet temperature(°C)	50	55	60	65	70		
Correction factor (Fti)	1.0	0.95	0.85	0.72	0.58		
Ambient temperature (°C)	30	38	40	45	50		
Correction factor (Fta)	1.1	1.0	0.9	0.79	0.63		
Dew point (°C)	3	5	7	10	15		
Correction factor (Ftd)	0.7	0.85	0.91	1.0	1.2		

Design condition

Capacity: @20°C 0.1 MPa (a)
 Inlet temperature: 50°C
 Working pressure: 0.7 MPa
 Dew point: 10°C
 Pressure drop: <0.025 MPa
 Ambient temperature: 38°C

Operating scope

Inlet temperature: 70°C max.
 Ambient temperature: 2~50°C
 Operating pressure range: 0.4~1.0 MPa

Remarks

Customize products available.

Formula

$$= Fp \times Fti \times Fta \times Ftd$$