



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
Max. capacity (Nm ³ /min)	0.8	1.2
Connection (inch)	Rc1/2	Rc1/2
Power supply	220V/1ø/60Hz	
Consumption (kw) ±5%	0.35	
Refrigerant	R134a	
Dimension (mm)	L420×W320×H525	
Net weight (kg)	24	25

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

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