

Compressors 3

Operating conditions

Refrigerant:	R449A		
Evaporating dew point temperature:	-10,0 °C	Condensing dew point temperature:	45,0 °C
Evaporating pressure:	3,613 bar	Condensing pressure:	18,86 bar
Useful superheat:	6,5 K	Subcooling:	2,0 K
Additional superheat:	0 K	Additional subcooling:	0 K
Return gas temperature:	-3,5 °C	Total subcooling:	2,0 K
		Liquid temperature (no glide):	43,0 °C
Rating conditions:	<i>Custom</i>		
Required cooling capacity:	<i>10,00 kW</i>		

Selection: MTZ050-4, R449A

Match percentage (58,1%) is lower than minimum (90%).

Model	MTZ050-4
Technology	Reciprocating
Configuration	Single
Refrigerant	R449A
Capacity control	Fixed speed
Speed [rpm]	2900
Cooling [kW]	5,815
COP cooling [W/W]	2,02
Heating [kW]	8,689
COP heating [W/W]	3,02
Power [kW]	2,874
Current [A]	5,410
Frequency [Hz]	50
Power supply	380 - 400 V (415 V) 3 ph*
Mass flow [kg/h]	148,5

Selected code number and spare parts

Code number: *MTZ50-4VI. MTZ50HK4CVE*