

Compressors 9

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: MTZ100-4, R449A

Match percentage (138,4%) is higher than maximum (110%).

Model	MTZ100-4
Technology	Reciprocating
Configuration	Single
Refrigerant	R449A
Capacity control	Fixed speed
Speed [rpm]	3500
Cooling [kW]	13,84
COP cooling [W/W]	1,99
Heating [kW]	20,50
COP heating [W/W]	2,95
Power [kW]	6,952
Current [A]	11,46
Frequency [Hz]	60
Power supply	460 V 3 ph*
Mass flow [kg/h]	353,4

Selected code number and spare parts

Code number: MTZ100-4VI. MTZ100HS4AVE