

## Compressors 2

### Operating conditions

Refrigerant:	R449A		
Evaporating dew point temperature:	-10,0 °C	Condensing dew point temperature:	30,0 °C
Evaporating pressure:	3,613 bar	Condensing pressure:	12,77 bar
Useful superheat:	8,0 K	Subcooling:	2,0 K
Additional superheat:	0 K	Additional subcooling:	0 K
Return gas temperature:	-2,0 °C	Total subcooling:	2,0 K
		Liquid temperature (no glide):	28,0 °C
<b>Rating conditions:</b>	<i>Custom</i>		
<b>Required cooling capacity:</b>	<i>10,00 kW</i>		

### Selection: MTZ144-3, R449A

Match percentage (285,7%) is higher than maximum (110%).

Model	MTZ144-3
Technology	Reciprocating
Configuration	Single
Refrigerant	R449A
Capacity control	Fixed speed
Speed [rpm]	3500
Cooling [kW]	28,57
COP cooling [W/W]	3,23
Heating [kW]	37,42
COP heating [W/W]	4,23
Power [kW]	8,852
Current [A]	26,96
Frequency [Hz]	60
Power supply	200 - 230 V 3 ph
Mass flow [kg/h]	616,9

### Selected code number and spare parts

**Code number:** MTZ144-3VI. MTZ144HV3VE