

Compressors 6

Operating conditions

Refrigerant:	R410A		
Evaporating dew point temperature:	-10,0 °C	Condensing dew point temperature:	45,0 °C
Evaporating pressure:	5,724 bar	Condensing pressure:	27,18 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: SH161-4, R410A

Match percentage (216,7%) is higher than maximum (110%).

Model	SH161-4
Technology	Scroll
Configuration	Single
Refrigerant	R410A
Capacity control	Fixed speed
Speed [rpm]	2900
Cooling [kW]	21,67
COP cooling [W/W]	2,20
Heating [kW]	31,50
COP heating [W/W]	3,20
Power [kW]	9,835
Current [A]	17,68
Frequency [Hz]	50
Power supply	380 - 400 V (415 V) 3 ph*
Mass flow [kg/h]	510,4

Selected code number and spare parts

Code number: 120H0023. SH161A4ALC