



Select 8

Copeland[™]
brand products



EMERSON[™]



Project Report

Project Details: sabacool.ir
Contact: 09128869515-Sarma Tajhiz Saba
Alborz Industrial City, Qazvin, Iran

Author Name:

Refrigerant	R22
High Side Properties:	
Condensing Temperature, °C	50.00
Condensing Abs. Pressure, bar	19.42
Dew Point, °C	50.00
Bubble Point, °C	50.00
Saturated vapour enthalpy, kJ/kg	718.24
Specific volume of saturated vapour, dm ³ /kg	11.71
Liquid Temperature, °C	50.00
Liquid enthalpy, kJ/kg	563.07
Low Side Properties:	
Evaporating Temperature, °C	0.00
Evaporating Abs. Pressure, bar	4.97
Dew Point, °C	0.00
Bubble Point, °C	0.00
With vapour at, °C	20.00
Specific volume, dm ³ /kg	52.08
Enthalpy, kJ/kg	719.99
Operating Conditions:	
Evaporating Temperature, °C	0.00
Condensing Temperature, °C	50.00
Suction Return Temperature, °C	20.00
Subcooling, K	0.00
Compressor Selected	D3SS-1000

**PERFORMANCE AT SPECIFIED OPERATING POINT
D3SS-1000 Data at 60Hz**

Error Evap. pressure out of range

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	3
Displacement @ 60 Hz, m ³ /h	60.2
Bore/Stroke, mm	61.9/63.5
Length/Width, mm	680/370
Height, mm	480
Net Weight, kg	163
Gross Weight, kg	178
Suction, inch	1 3/8
Discharge, inch	1 1/8
Oil Quantity, l	3.7
Frequency Range, Hz	25 - 60
Oil type (original charge)	Suniso 3GS
Oil type (approved oils)	Suniso 3GS, TEXACO Capella WF 32, FUCHS Reniso KM
Base mounting (hole dia), mm	381 x 305 (18.0)
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 60 Hz)

Maximum Operating Current, A	29.1
Locked Rotor Current, A	152
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED**ACCESSORIES OPTIONAL**

Oil Control System	ALCO Trax-Oil OM3
--------------------	-------------------

D3DA 75X / 750
D3DC 100X / 1000
D3DS 100X / 1000

