



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	DNRM1-0500

**PERFORMANCE AT SPECIFIED OPERATING POINT
DNRM1-0500 Data at 50Hz**

Error Evap. pressure out of range

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	22.8
Bore/Stroke, mm	55.6/54.0
Length/Width, mm	535/330
Height, mm	386
Net Weight, kg	110
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 (0.0)
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~ / 50 Hz)

Locked Rotor Current, A	62.5
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED**ACCESSORIES OPTIONAL**

Model	Discharge valve
D3DA 50X / 500	7/8
D3DC 75X / 750	1 1/8

