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Project Report

Project Details: sabacool.ir
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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	D6SL-2500

**PERFORMANCE AT SPECIFIED OPERATING POINT
D6SL-2500 Data at 50Hz**

Error Evap. pressure out of range

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	106
Bore/Stroke, mm	74.7/55.6
Length/Width, mm	740/540
Height, mm	490
Net Weight, kg	216
Gross Weight, kg	232
Rotalock Discharge, inch	1 3/8
Suction, inch	2 1/8
Oil Quantity, l	3.3
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~ / 50 Hz)

Maximum Operating Current, A	48.7
Locked Rotor Current, A	192
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

Additional Cooling	70 W Vertical Air Flow Fan
Capacity Control	Capacity Steps 66/33%
Crankcase Heater	100 W Internal
Discharge Temperature Protection	Head PTC sensor
Enclosure Class	IP 56
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
Deep Oil Sump	Mounted
Adapter Kit	For Parallel Operation
Check Valve	For unloaded start operation
Oil Control System	ALCO Trax-Oil OM3

D6SF, D6SA, D6SL,
D6SH2000, D6SH2000

