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GACO SARL

28, Rue Bencharif Madani

25000 BELLEVUE/CONSTANTINE - ALGERIE

Tel. : 031 92 54 56 / 031 93 22 23 - Fax : 031 92 13 45

Email : gacosarl@gmail.com / benkobbi_fares@yahoo.fr



Project Report

Refrigerant	R404A Dew Point
High Side Properties:	
Condensing Temperature °C	52.00
Condensing Abs. Pressure bar a	24.05
Dew Point °C	52.00
Bubble Point °C	51.71
Saturated vapour enthalpy kJ/kg	381.49
Specific volume of saturated vapour cu.dm/kg	6.84
Liquid Temperature °C	51.71
Liquid enthalpy kJ/kg	280.53
Low Side Properties:	
Evaporating Temperature °C	-25.00
Evaporating Abs. Pressure bar a	2.50
Dew Point °C	-25.00
Bubble Point °C	-25.67
With vapour at °C	-15.00
Specific volume cu.dm/kg	81.63
Enthalpy kJ/kg	360.46
Operating Conditions:	
Evaporating Temperature °C	-25.00
Condensing Temperature °C	52.00
Suction Superheat K	10.00
Subcooling K	0.00
Compressor Selected	D8DJ-600X

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D8DJ-600X Data at 50Hz**

Cooling Capacity kW	36.60
Power kW	32.70
COP	1.12
Current at 400V, A	65.70
Mass Flow g/s	458.00
Heat Rejection kW	67.60
Isentropic Eff. %	67.27

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	8
Displacement @ 50 Hz, cu.m/h	181
Bore/Stroke, mm	74.7/59.2
Length/Width, mm	835/475
Height, mm	610
Net Weight, kg	331
Gross Weight, kg	352
Suction, inch	3 1/8
Discharge, inch	1 5/8
Oil Quantity, l	7.6
Base mounting (hole dia), mm	457 x 305 (18.0)
Sound Pressure @ 1m (MT), dBA	79
Sound Pressure @ 1m (HT), dBA	80
Sound Power (MT), dBA	90
Sound Power (HT), dBA	91
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5

COMPRESSOR ELECTRICAL DATA (380/420V - 3~ - 50Hz)

Maximum Operating Current, A	108
Locked Rotor Current, A	476
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4
Deep Oil Sump	Mounted

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ACCESSORIES OPTIONAL

Additional Cooling
Capacity Control
Crankcase Heater
Enclosure Class
Oil Pressure Switch
Unloaded start
Adapter Kit
Check Valve
Oil Control System
Inverter

70W Vertical Air Flow Fan
Capacity Steps 75/50%
200W Internal
IP 56
OPS2 Electronic Switch
Available
For Parallel Operation
For unloaded start operation
ALCO Trax-Oil OM3
Emerson Industrial Automation,
Unidrive M400 08 401 340

D8D

