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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	-10.00
Evaporating Abs. Pressure bar a	4.34
Dew Point °C	-10.00
Bubble Point °C	-10.59
With vapour at °C	0.00
Specific volume cu.dm/kg	47.99
Enthalpy kJ/kg	369.46

Operating Conditions:

Evaporating Temperature °C	-10.00
Condensing Temperature °C	52.00
Suction Superheat K	10.00
Subcooling K	0.00

Compressor Selected

D8DJ-600X

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**PERFORMANCE AT SPECIFIED OPERATING POINT
D8DJ-600X Data at 50Hz**

Cooling Capacity kW	77.60
Power kW	45.10
COP	1.72
Current at 400V, A	82.59
Mass Flow g/s	872.00
Heat Rejection kW	120.50
Isentropic Eff. %	69.54

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

