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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	55.00
Condensing Abs. Pressure bar a	25.73
Dew Point °C	55.00
Bubble Point °C	54.74
Saturated vapour enthalpy kJ/kg	381.15
Specific volume of saturated vapour cu.dm/kg	6.19
Liquid Temperature °C	54.74
Liquid enthalpy kJ/kg	286.27

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	55.00
Suction Superheat K	10.00
Subcooling K	0.00

Compressor Selected DLE-20X

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**PERFORMANCE AT SPECIFIED OPERATING POINT****DLE-20X Data at 50Hz**

Cooling Capacity kW	3.03
Power kW	2.17
COP	1.39
Current at 400V, A	4.39
Mass Flow g/s	36.40
Heat Rejection kW	4.39
Isentropic Eff. %	62.54

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, cu.m/h	9.86
Bore/Stroke, mm	44.5/36.5
Length/Width, mm	470/330
Height, mm	385
Net Weight, kg	78
Gross Weight, kg	84
Suction, inch	7/8
Discharge, inch	5/8
Oil Quantity, l	2
Frequency Range, Hz	25 - 60
Base mounting (hole dia), mm	295 x 279 (14.0)
Sound Pressure @ 1m, dBA	51
Sound Power, dBA	62
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	5.7
Locked Rotor Current, A	37.6
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
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ACCESSORIES OPTIONAL

Additional Cooling
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Additional Cooling
Crankcase Heater
Adapter Kit
Oil Control System
Inverter

1 or 2 ways water Coil
70W Vertical Air Flow Fan
25W Horizontal Air Flow Fan
70W Internal
For Parallel Operation
ALCO Trax-Oil OM3
Emerson Industrial Automation,
Unidrive M200 03 400 073

DL with pump

