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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

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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	-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	55.00
Suction Superheat K	10.00
Subcooling K	0.00

Compressor Selected

DLF-30X

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**PERFORMANCE AT SPECIFIED OPERATING POINT**
DLF-30X Data at 50Hz

Cooling Capacity kW	1.79
Power kW	2.13
COP	0.84
Current at 400V, A	4.88
Mass Flow g/s	24.10
Heat Rejection kW	2.98
Isentropic Eff. %	56.06

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, cu.m/h	12.9
Bore/Stroke, mm	50.8/36.5
Length/Width, mm	470/330
Height, mm	385
Net Weight, kg	80
Gross Weight, kg	86
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	6.8
Locked Rotor Current, A	50.6
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
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ACCESSORIES OPTIONAL

Additional Cooling
Additional Cooling
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 03 400 094

DL with pump

