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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 | -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 | DLJ-30X |
|---------------------|---------|

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

| | |
|---------------------|-------|
| Cooling Capacity kW | 1.92 |
| Power kW | 2.48 |
| COP | 0.77 |
| Current at 400V, A | 5.09 |
| Mass Flow g/s | 25.80 |
| Heat Rejection kW | 3.19 |
| Isentropic Eff. % | 51.36 |

COMPRESSOR MECHANICAL AND PHYSICAL DATA

| | |
|------------------------------|------------------|
| Number of cylinders | 2 |
| Displacement @ 50 Hz, cu.m/h | 14.5 |
| Bore/Stroke, mm | 54.0/36.5 |
| Length/Width, mm | 470/330 |
| Height, mm | 385 |
| Net Weight, kg | 83 |
| Gross Weight, kg | 89 |
| 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 | 52 |
| Sound Power, dBA | 63 |
| 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 | 7.4 |
| 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 04 400 135

DL with pump

