

Copeland Selection Software

REFRIGERANT

R404A Dew Point

Operating Conditions:

Evaporating Temperature:	-10,0°C
Condensing Temperature:	45,0°C
Liquid subcooling:	0,0K
Suction Return Temperature:	20,0°C

Required Capacity:

34,0 kW

Compressor Selected:

6MI-40X

PERFORMANCE AT SPECIFIED OPERATING POINT 6MI-40X Data at 50 Hz

Capacity kW	64,60
Power Input kW	27,60
COP	2,34
Current 400V, A	49,72
Mass Flow g/s	538,00
Heat Rejection kW	90,90

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders 6	Bore/Stroke, mm 71.5/57.5
Length/Width, mm 695/547	Height, mm 450
Net Weight, kg 219	Suction, inch 2 1/8
Discharge, inch 1 3/8	Oil Quantity, l 3.3
Sound Power (LT), dBA 89	Sound Power (MT), dBA 83
High Side PS, bar(g) 32.5	Low Side PS, bar(g) 22.5
Displacement @ 50 Hz, cu.m/h 120.5	
Base mounting (hole dia), mm 381 x 305 (18.0)	
Sound Pressure @ 1m (LT), dBA 78	
Sound Pressure @ 1m (MT), dBA 72	
Sound Power with Sound Shell (LT), dBA 74	
Sound Power with Sound Shell (MT), dBA 70	

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

Locked Rotor Current, A 304
Maximum Operating Current, A 71.4
Default Enclosure Class IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Parts
CoreSense Diagnostics

Spring
Oil pressure, motor and discharge line temperature p

ACCESSORIES OPTIONAL

Additional Cooling
Capacity Control
Crankcase Heater
Adapter Kit
Check Valve (NRV)
Sound Attenuation
Inverter
Mounting Parts
Digital Modulation
Discharge Shut-off

70 W Vertical Air Flow Fan
Capacity Steps 67/33 %
100 W Internal
For Parallel Operation
For unloaded start operation
Sound Shell
Emerson Industrial Automation, Unidrive M400 07 400
Rubber
33-100 %
Angle valve