

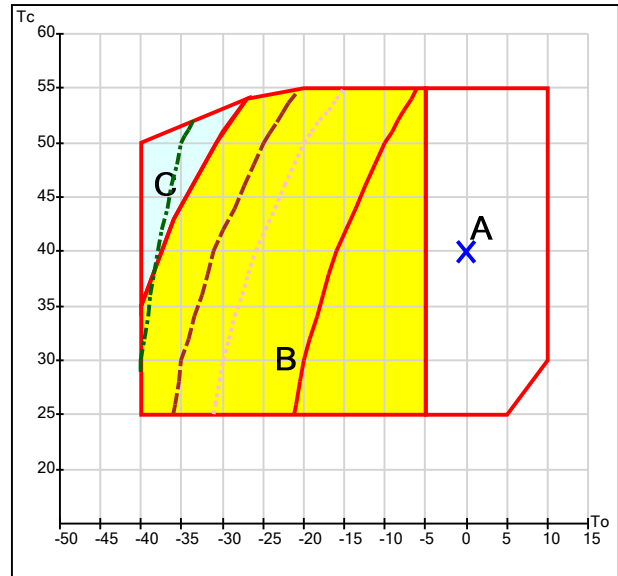
Compressor **H8001CC**

Performance calculation

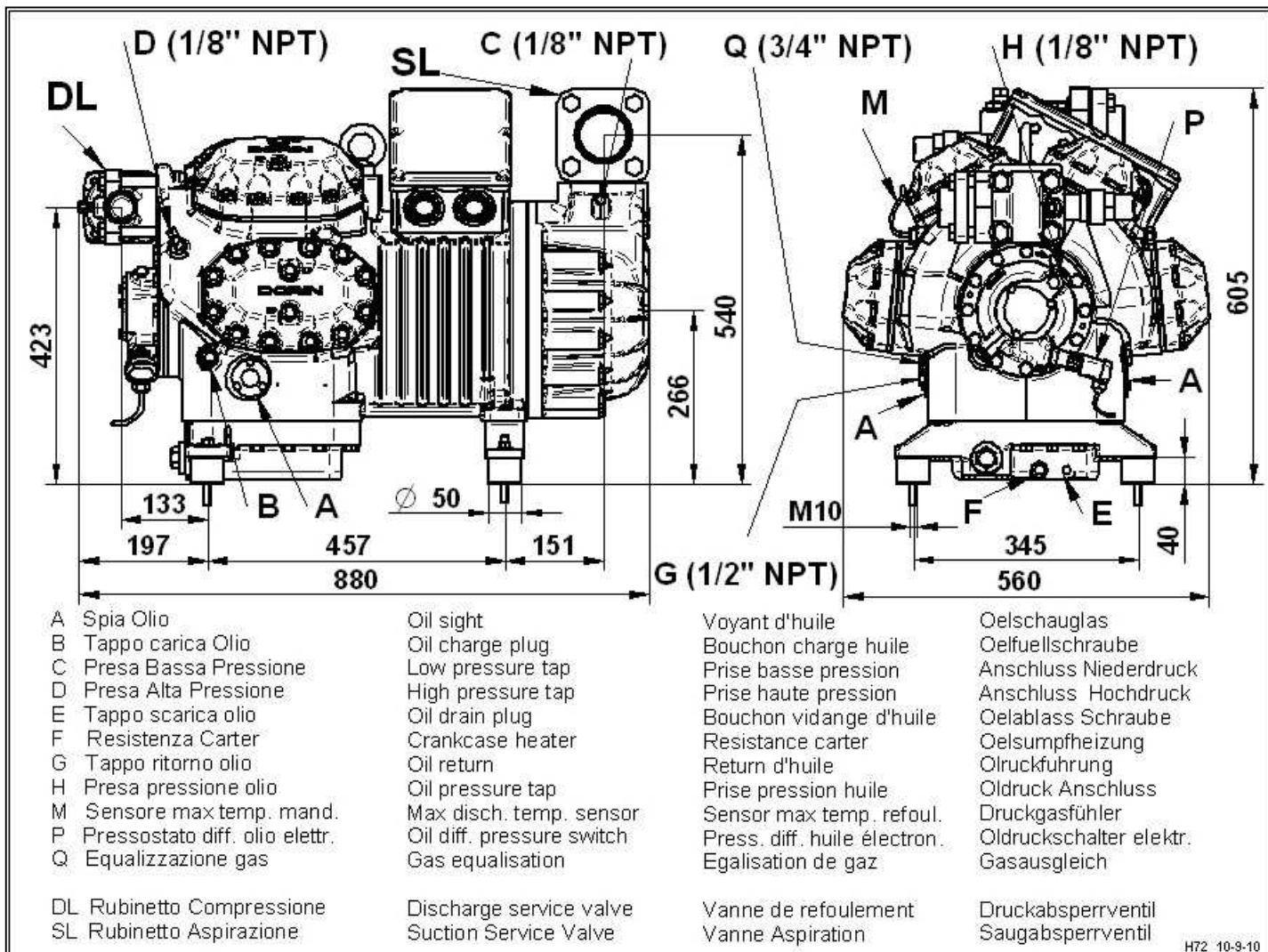
Refrigerant	R404A
Evaporating temperature	0 °C
Condensing temperature	40 °C
Suction temperature	20 °C
Evaporator outlet temperature	20 °C
Liquid temperature	40 °C
Voltage / phases / frequency	380-420 V / 3 / 50 Hz
Standard:	380-420V/3/50Hz (PWS)

Cooling capacity	181893W
Total heat of Rejection	239,55kW
Absorbed power	57,66 kW
COP	3,15
Mass flow	5241 kg/hr
Absorbed current	102,8 Amp

No. Cylinders	8
Bore	79 mm
Stroke	65 mm
Displacement 50Hz	221,8 m3/hr
Suction valve	80 s. mm
Discharge valve	54 s. mm
Oil charge	9 liter
Net weight	366 kg
Max operating current (400V) 50Hz	148 Amp
Locked rotor current (400V) 50Hz	628 Amp



 A = "CC" models only	 Min To 50%
 B = Standard application	 Min To 75%
 C = Head fan cooling	 Min To 50% Head fan cooling
	 Min To 75% Head fan cooling



Compressor

H7 H8001CC

Options

Standard	TE=Thermistor Protection
Standard	RELTM=Motor protection electronic module with delay
Standard	ISV=Internal safety valve
Standard	IP65=Electrical box IP65
Standard	ODPS=Oil differential pressure switch
Standard	TMAX=Max discharge temperature sensor
Optional	CH=Crankcase Heater
Optional	CR=Capacity control system
Optional	BF=Body cooling fan
Optional	US=Unloaded Start By-pass
Optional	CR3=Capacity control 50-75-100%

Voltage / phases / frequency

Standard	380-420V/3/50Hz (PWS)
Optional	220-240V(Delta)-380-420V(Y)/3/50Hz
Optional	250-280V(Delta)-440-480V(Y)/3/60Hz
Optional	220-240V(Delta)-380-420V(Y)/3/60Hz
Optional	440-480V/3/60Hz (PWS)
Optional	208-230V/3/60Hz (PWS)
Optional	220-240V/3/50Hz (PWS)
Optional	380-420V/3/60Hz (PWS)

For operation with HFC refrigerants the compressor must be ordered with POE OIL. For operation with HCFC and HC refrigerant the compressor shall be ordered with mineral oil.

Motors suitable for operation at different voltage from those listed above may be furnished on request

For low temperature application external cooling must be provided.