



RECIPROCATING COMPRESSOR

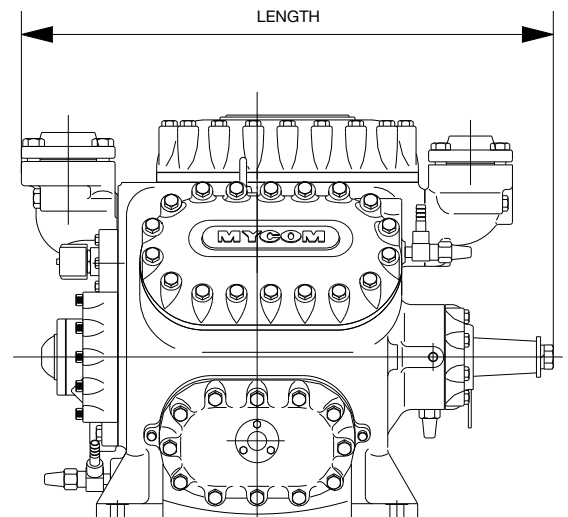
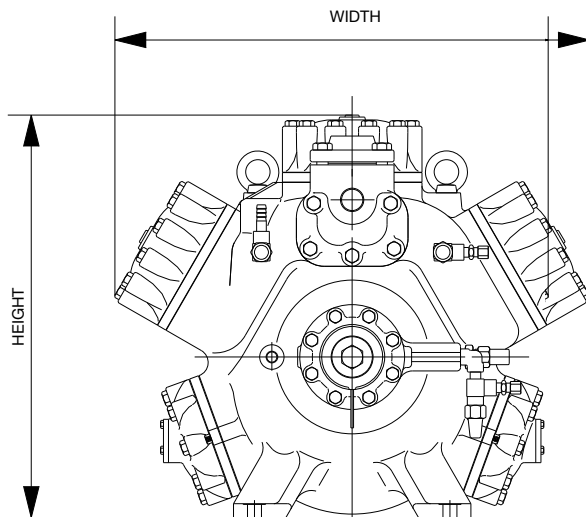
HK-Series



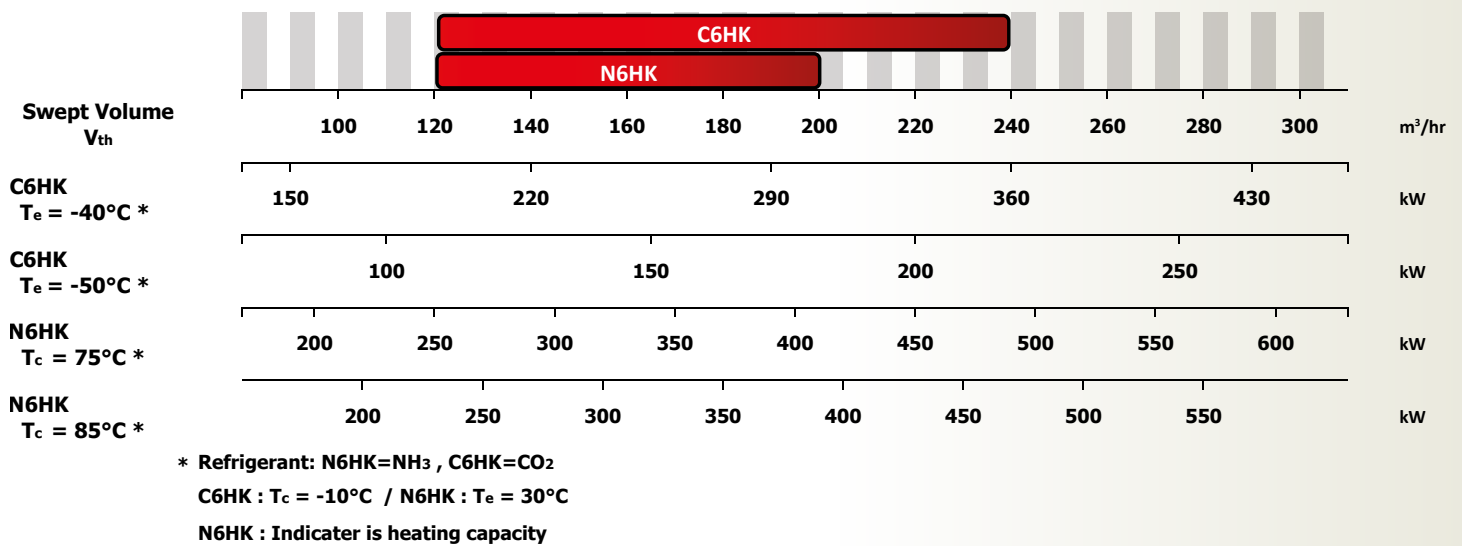
The HK-series

stands for high pressure. The machine can be used to compress the gas up to 50 bar. Today every customer wants to reduce his energy consumption. HK-series compressors are used in CO2 refrigeration systems and in NH3 heat pumps. When using the HK-series compressor in CO2 refrigeration, it is not necessary to foresee a separate defrosting compressor, as the basic refrigeration compressor can also be used in defrosting mode.

HK-series compressor heat pumps are directly contributing to important energy savings. The heat pump can produce hot water over 80 °C with significant reduction of fossil fuels such as gas and oil. HK-series compressors can be used in a wide range of pressures and speeds. HK-series compressors will directly contribute in achieving your plant energy reduction plan.



TYPE	WEIGHT (kg)	WIDTH (mm)	LENGTH (mm)	HEIGHT (mm)
6HK	360	710	750	640



ITEM	LIMIT VALUE	REMARKS
Maximum discharge pressure [barG]	50	
Maximum suction pressure [barG]	20 ¹⁾	
Minimum suction pressure [barG]	-0.733	
Maximum differential pressure [barG]	35	Pd-Ps
Design pressure [barG]	56	
Maximum compression ratio [-]	NH ₃ : ≤ 9	Limited on discharge temperature
Maximum discharge temperature [°C]	NH ₃ et CO ₂ : 140	
Minimum suction temperature [°C]	-60	
Maximum oil supply temperature [°C]	60	Oil cooler outlet
Suction superheat [K]	> 0, ≤ 20	
Minimum/maximum cooling water inlet temperature [°C]	15 / 30 ²⁾	Water temperature for head covers ≤ 50
Minimum/maximum rotation speed (rpm)	NH ₃ : 900 / 1500 CO ₂ : 900 / 1800	

1) Standstill is included.
2) Other temperatures are possible on request.

MAYEKAWA

MYCOM

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