



RECIPROCATING COMPRESSOR

WA-Series

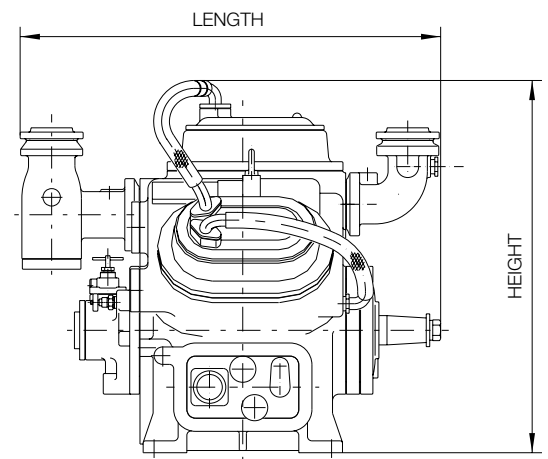
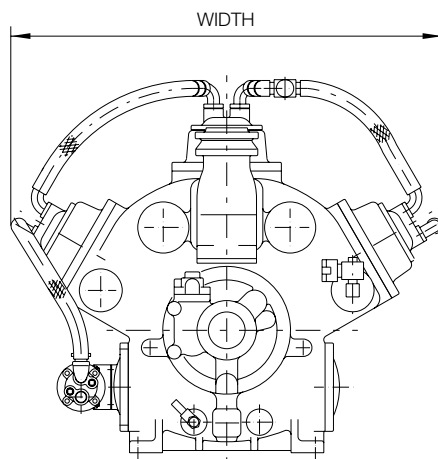


The WA-series

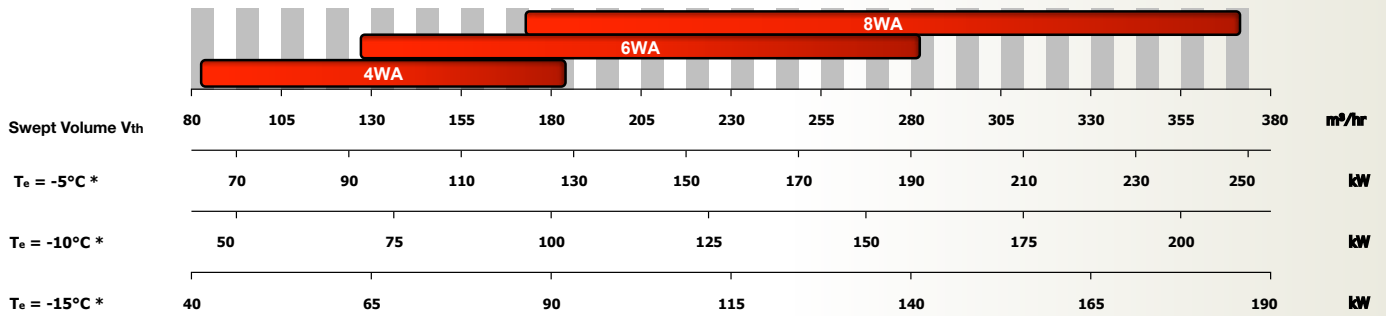
is one of the popular **MAYEKAWA** mid-range displacement compressors.

The compressor is sold since 1955, and has since then gone through several minor design changes resulting in its current top performance model. This compressor can run at a maximum speed of 1450 rpm and has an excellent opportunity for creating a small, lightweight, high speed economical system design.

Our WA series is designed to operate with natural refrigerants (NH₃, CO₂, and hydrocarbons), HFC's (R507, R404a, R134a, etc.) and CFC's and is suitable for cooling, freezing, air conditioning systems and leisure markets.



DIMENSIONS	HEIGHT (mm)	WIDTH (mm)	LENGTH (mm)	WEIGHT (kg)
4WA	1165	965	1070	580
6WA	1220	1045	1105	700
8WA	1290	1055	1125	820



* Refrigerant NH₃

T_c = 35°C

Item	Limit Value	Remarks
Maximum discharge pressure [barG]	20	Casing design pressure High: 26 Low: 14.6
Maximum suction pressure [barG]	6	
Minimum suction pressure [barG]	-0.733	
Maximum compression ratio [-]	NH ₃ ≤ 9 HFCs ≤ 10	Limited on discharge temperature
Maximum discharge temperature [°C]	NH ₃ : 140	
Minimum suction temperature [°C]	-60	
Maximum oil supply temperature [°C]	50	Oil cooler outlet
Suction superheat [K]	> 0, ≤ 20	
Minimum/maximum cooling water inlet temperature [°C]	15 / 50	
Minimum/maximum rotation speed (rpm)	650/1450	

Standstill is included.

Other temperatures are possible on request

WORLDWIDE

- 47 countries / 99 offices
- 11 production plants



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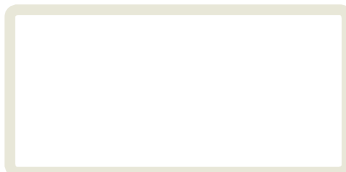
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