



RECIPROCATING COMPRESSOR
WBHE-Series

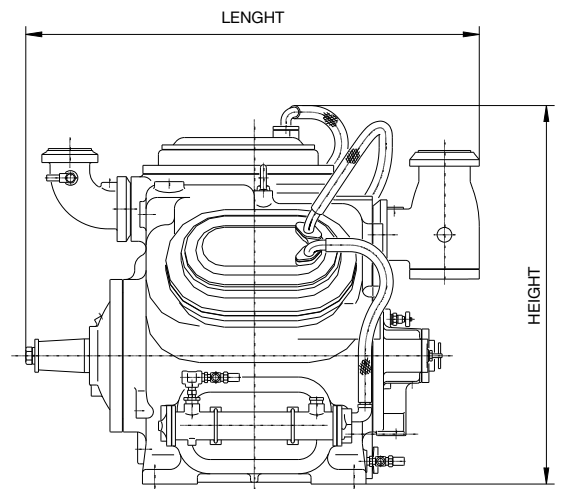
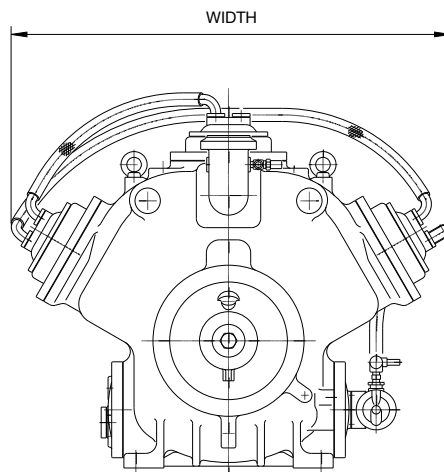


The new WBHE series

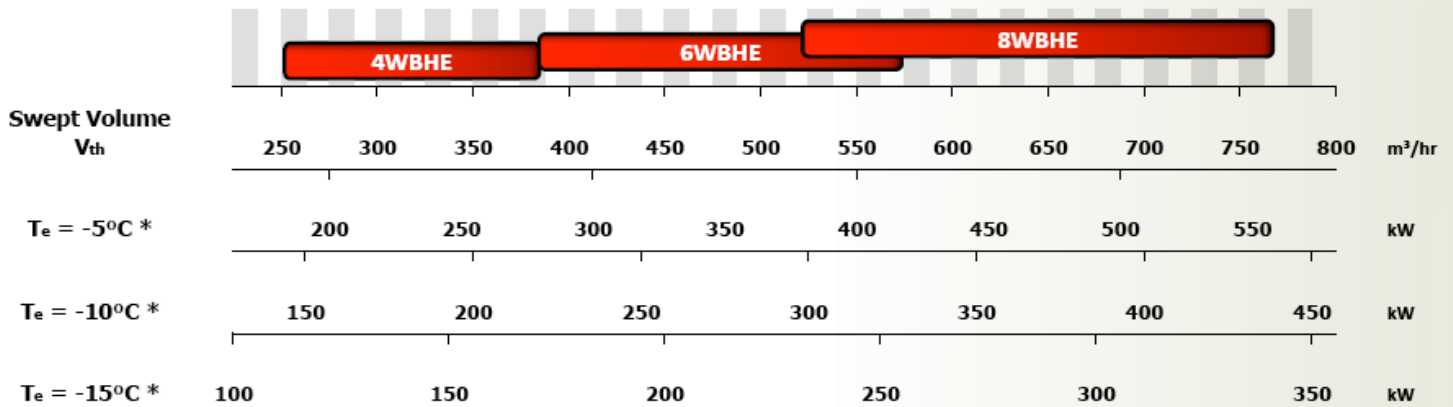
has been designed as an advanced compressor from our popular WB&B series, a compressor type that has proven its reliability and service friendly design with more than 15 000 compressors installed in the field over 50 years worldwide in industry. With this upgraded model we offer a wide range of single stage models for cast iron open type industrial reciprocating compressors.

Our WBHE series is designed to operate with the natural refrigerants (NH3, hydro carbons) HFC's (R507, R404a, R134a, etc.) and CFC's and is suitable for cooling, freezing and air conditioning systems.

The major structural changes on the new WBHE are the new shaft seal, thrust bearing and main bearing upgrade. For the models 6WBHE and 8WBHE we can offer cylinder (instead of bank-) step control and optional 100% unloaded running.



TYPE	POIDS (kg)	LARGEUR (mm)	LONGUEUR (mm)	HAUTEUR (mm)
4WBHE	1020	1050	1100	1180
6WBHE	1200	1240	1340	1314
8WBHE	1450	1300	1390	1334



* Refrigerant NH₃
T_c = 35°C

ITEM	LIMIT VALUE	REMARKS
Maximum discharge pressure [barG]	23.6	8WBHE/8WBHEU ≤ 1.96 Booster specification < 0.6
	19.6	
Minimum discharge pressure [barG]	6	Except the booster specification
Maximum suction pressure [barG]	5.88 ¹⁾²⁾	Standard specification ≤ 0.35 Booster specification ≤ 0.05
	-0.733	
Minimum suction pressure [barG]	-0.733	B.B specification > 0
Design pressure [barG]	26	
Maximum compression ratio [-]	NH ₃ : ≤ 9	Limited on discharge temperature
	HFCs: ≤ 10	
Minimum compression ratio [-]	≥ 1.5	
Maximum discharge temperature [°C]	NH ₃ : 140	
	HFC, HCFC, R22,	
	propane: 120	
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]	15/30 ³⁾	Water temperature for head covers ≤ 50
Minimum/maximum rotation speed (rpm)	800/1200	The rotation speed can be controlled

- 1) Standstill is included. Standstill of booster specification is the same as the one of standard specification.
- 2) If this value exceeds 0.35 MPa, B.B specification should be applied
- 3) Other temperatures are possible on request

WORLDWIDE

- 40 countries / 127 offices
- 8 production plants



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