



RECIPROCATING COMPRESSOR

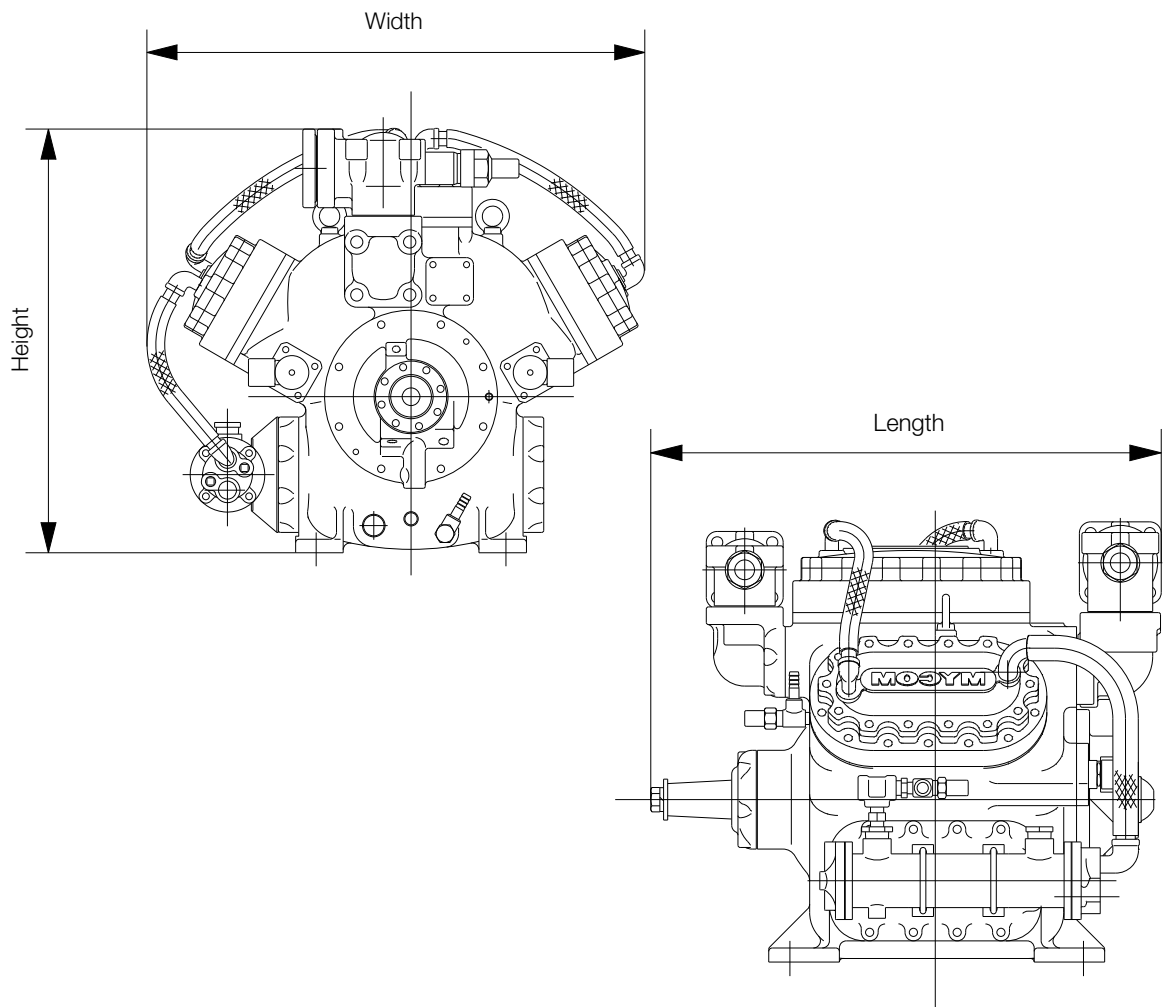
# K-Series



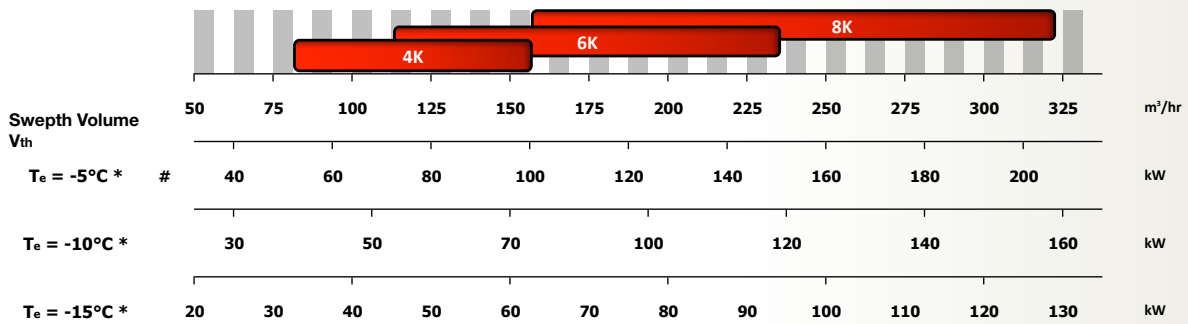
### K – series

Represent the new design of multicylinder compressors. This design allows direct coupling with 4-pole motors , making it ideal for applications requiring small size, light weight and high speed.

**K – Series** compressors have built-in piping for lubrication and unloader operation so there is no external piping at all. They are specifically designed for use of the ozone friendly refrigerants. This equipment is competitively priced and suitable for both industrial and commercial applications, insuring low running and maintenance costs.



TYPE	WEIGHT (kg)	HEIGHT (mm)	WIDTH (mm)	LENGTH (mm)
4K	250	588	575	714
6K	280	625	636	723
8K	300	666	658	763



\* Refrigerant NH<sub>3</sub>  
 T<sub>c</sub> = 35°C

ITEM	LIMIT VALUE	REMARKS
Maximum discharge pressure [barG]	23	
Maximum suction pressure [barG]	6.86 1)	
Minimum suction pressure [barG]	-0.733	
Maximum differential pressure [barG]	19.6	Pd-Ps
Design pressure [barG]	14.6 / 26	Low/High
Maximum compression ratio [-]	NH <sub>3</sub> ≤ 8	Limited on discharge temperature
Maximum discharge temperature [°C]	NH <sub>3</sub> : 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/ outlet temperature [°C]	15 / 50	Water temperature for head covers ≤ 50
Minimum/maximum rotation speed (rpm)	900 / 1800	

1) Standstill is included.

# MAYEKAWA

## MYCOM

### WORLDWIDE

- 35 countries / 122 offices
- 8 production plants



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