

HK

MAYEKAWA
MYCOM

Series

Reciprocating Compressor



Single Stage
Open Type

<https://americas.mayekawa.com/mna>

HK

Series

HK-Series Reciprocating Compressor

Compact, Lightweight, High-Pressure

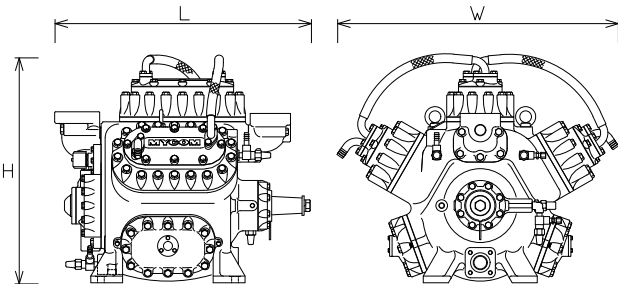
HK FOR HIGH PRESSURE

STANDARD FEATURES

- A versatile range of pressures and speeds
- Compressor gas up to 725 psi
- Best suited for CO₂ refrigeration and NH₃ heat pumps
- Directly contributes to high efficiency and energy savings
- CO₂ defrosting mode; making a separate hot gas CO₂ compressor redundant
- Produces hot water over 80 C (175 F) in NH₃ heat pump applications

DIMENSIONS & SPECIFICATIONS

Dimensions are for reference only. Please contact MYCOM for more detailed drawings.



mm [inch]

MODEL	L	W	H
4HK	750 [29.5]	360 [14.1]	640 [25.1]
6HK	750 [29.5]	360 [14.1]	640 [25.1]

		4HK	6HK
Refrigerant		NH ₃ / CO ₂	
Weight of Compressor	kg/lbs	360 / 794	360 / 794
Cylinder Diameter	mm/inch	85 / 3.35	
Stroke	mm/inch	65 / 2.56	
Design Pressure LP	MPa/PSI	2.5 / 363	
Design Pressure HP	MPa/PSI	5.6 / 812	
Number of Cylinders		4	6
Revolution	rpm	NH ₃ : 900 ~ 1,600 / CO ₂ : 900 ~ 1,800	
Displacement (CFM)	900rpm	46.9	70.3
	1,200rpm	62.5	93.8
	1,450rpm	75.5	113.0
	1,800rpm	93.8 (CO ₂ only)	141 (CO ₂ only)
Driving Method		Direct Drive	
Volume Control	Load %	0, 50, 100	33, 66, 100
	Method	Hydraulic Control Solenoid Valve (Unload When Energized)	
	Voltage V	120	
Refrigerant Oil		ISO-VG 46 to 68 (Ask Mayekawa Branch)	
Cooling Configuration	CO ₂	Head cover cooling : Air cooled / Oil cooling : None	
	NH ₃	Head cover cooling : Water cooled / Oil Cooling : Water cooled	

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