

HS

MAYEKAWA
MYCOM

Series

Reciprocating Compressor



**Single Stage
Open Type**

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

HS

Series

HS-Series Reciprocating Compressor

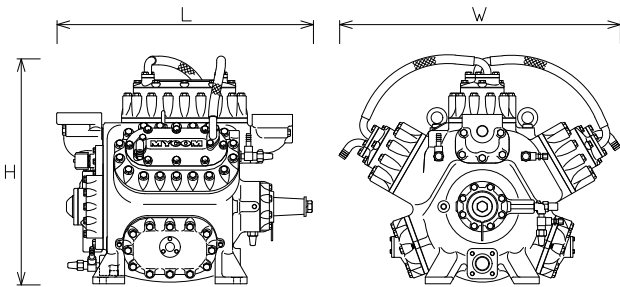
Worldwide Industry Standard | Rigid & High Pressure

HS FOR HIGH PRESSURE & HIGH EFFICIENCY

The HS- Series is a new high pressure compressor focused on the use of natural refrigerants for a more environmental friendly system through energy savings and lower CO2 emissions. It can achieve discharge pressures up to 870 Psi, making it ideal for CO2 refrigeration and ammonia heat pumps. Use in a CO2 system allows for system defrost up to 20°C/ 68°F as well as accommodating a range of system loads that most refrigeration compressors are unable to handle. When hot water is needed, the HS-Series heat pump can provide hot water up to 95°C/ 203°F, reducing fossil fuel use and providing significant energy saving. The MYCOM HS-Series can operate at a wide range of pressures and speeds to better meet your need helping achieve your plants energy reduction plan.

DIMENSIONS & SPECIFICATIONS

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



mm [inch]

MODEL	L	W	H
4HS	1113 [43.8]	1017 [40.0]	1100 [43.3]
6HS	1165 [45.8]	1257 [49.4]	1092 [42.9]

		4HS	6HS
Refrigerant		NH3 / CO2	
Weight of Compressor	kg/lbs	1,650 / 3,638	1,850 / 4,079
Cylinder Diameter	mm/inch	130 / 5.12	
Stroke	mm/inch	84 / 3.31	
Design Pressure LP	MPa/PSI	3.0 / 435	
Design Pressure HP	MPa/PSI	6.6 / 957	
Number of Cylinders		4	6
Revolution	rpm	750-1,500	
Displacement (CFM)	750rpm	118	177
	1,000rpm	157	236
	1,200rpm	189	283
	1,450rpm	228	343
Driving Method		Direct Drive	
Volume Control	Load %	0, 25, 50, 75, 100	0, 17, 33, 50, 66, 83, 100
	Method	Hydraulic Control Solenoid Valve (Unload When Energized)	
	Voltage V	120	
Refrigerant Oil		ISO-VG 46 to 68 (Ask Mayekawa Branch)	
Cooling Configuration	CO2	Head cover cooling : Air cooled / Oil cooling : None	
	NH3	Head cover cooling : Water cooled / Oil Cooling : Water cooled	

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