

ΜΑΥΕΚΑΨΑ
MYCOM



HS
series

**Reciprocating
Compressor**

HS

HS-Series Reciprocating Compressor

Worldwide Industry Standard
RIGID & HIGH PRESSURE

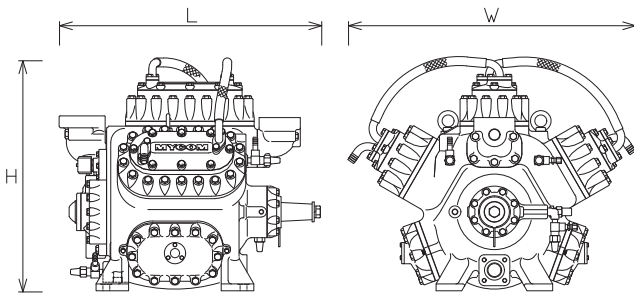
HS FOR HIGH PRESSURE & HIGH EFFICIENCY

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		NH ₃ / CO ₂	
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	CO ₂	Head cover cooling : Air cooled / Oil cooling : None	
	NH ₃	Head cover cooling : Water cooled / Oil Cooling : Water cooled	

* The information contained herein is for reference only. Subject to change without notice.



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