



Technical Specification of H10 series Hydraulically Driven Hydrogen Gas Compressor

***More series will be launched gradually**

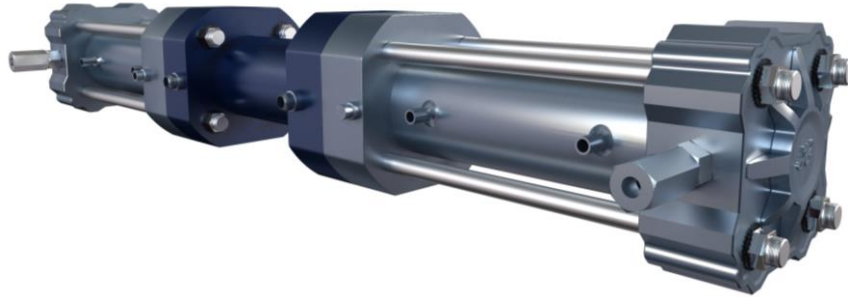
1 Main Technical Parameters:

No.	Description	Technical Parameters
1.	Complete Compressor Unit	Hydraulically Driven Hydrogen Gas Compressor
2.	Compressor Model	H10 series
3.	Structure Type	Hydraulic driven piston type (symmetrical balanced type)
4.	Number of Compression Stage	2 Stages
5.	Medium	Hydrogen Gas
6.	Inlet Pressure	30~350Bar, Design @320Bar
7.	Inlet Air Temperature	15~30°C, Design @25°C
8.	Outlet Pressure	1400Bar
9.	Outlet Temperature	≤40°C
10.	Number of Cylinders	2
11.	Displacement	110Nm ³ /h@320Bar
12.	Cooling Method	Circulating water cooling
13.	Cooling Water Pressure	3~4Bar
14.	Cooling Water Temperature	10~17°C
15.	Cooling Water Circulation Flowrate	Approx.10m ³ /h
16.	Main Motor Power	22kW
17.	Noise	≤70d(B)A
18.	Vibration	≤7.1mm/s
19.	Effective Volume of Hydraulic Tank	500L
20.	Inlet Tubing Design Pressure	1400Bar
21.	gas inlet connection	9/16"MP Female
22.	Outlet Tubing Design Pressure	1400Bar
23.	Gas Outlet Connection	9/16"MP Female
24.	Breathing Port Connection	1/2" FNPT
25.	Cooling Water Port Connection	1" FNPT
26.	Single Pump Hydraulic Unit Spec	22kw, 100L, 210Bar
27.	Overall Dimensions (L × B × H)	2800×1000×1200mm
28.	Weight	1.8Tons



2 Performance Data Table:

No.	Description	Unit	Parameters					
			300	310	320	330	340	350
1	Inlet Pressure	Bar	300	310	320	330	340	350
2	Outlet Pressure	Bar	1400	1400	1400	1400	1400	1400
3	Outlet Flowrate (20°C)	Nm ³ /h	99.77	102.17	109.64	112.04	119.73	122.12
5	Average Outlet Flowrate	Nm ³ /h	110					



3 Performance Curve:

