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CNG Compressor Characteristics:

- 01 High-rigid Skid
- 02 Advanced Way of Connecting
- 03 Ultra-hardened Piston Rod Surface Treatment Technology
- 04 Large Area Multi-process Floating Head Tube-type Water-cooler
- 05 Gas Valve Technology
- 06 Combined Packing Sealing Technology
- 07 Siemens PLC + Touch Screen + Soft-start (or Inverter Start Matching)

CNG COMPRESSOR OF THE STRUCTURE



Z Type



D (or W) Type



M Type

Z Type

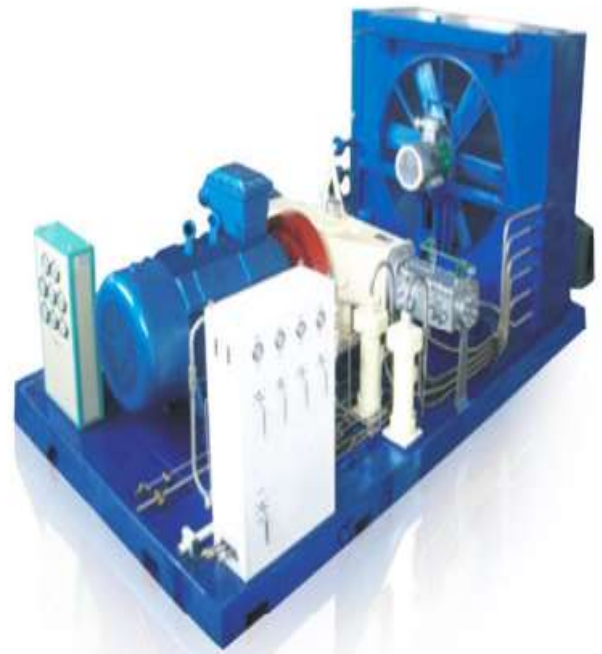


Z (Vertical) Type CNG Compressor

Performance Characteristics:

- Z(vertical) type compressor cylinder which do not bear the weight of the working conditions of piston is conducive to high-pressure cylinder without oil lubrication structural design, no oil (less oil) lubrication operation, higher mechanical efficiency, extended service life of cylinder and piston rings to reduce the running costs.
- All cylinders are equipped with dry cylinder liner wear resistance.
- Compressor has three throws and three cylinders in line, no string-cylinder, and the corresponding packing & the large end bush with the maintenance window, and set up in the skid side, good maintainability.
- Small installation area, easy to transport, saving investment.

D or W Type



D (or W) Type CNG Compressor

Performance Characteristics:

- Two-throw symmetrical balanced horizontal units, throw's alternate angle to each other 180° the inertial force balance, the piston force distribution, performance and running balance.
- By the finite element analysis software simulation load compressor design the overall movement of compressor body, the compressor body and midbody as a whole structure, uniform load transfer, the overall rigid body excellent.
- Compressor body with windows for disassembly and inspection of crosshead, etc., to facilitate inspection and maintenance.
- Compressor body with oil level gauge, if necessary, can be equipped with platinum thermal resistance and electric heaters, oil testing, oil level, and interlock with the unit running.
- With pre-lube oil pump, moving parts of a mandatory pre-lubrication to ensure a reliable operation. D type compressor can be adapted in daughter station, mother station and standard station.

M Type



M Type CNG Compressor

Performance Characteristics:

- M-type (4-throw or 6-throw above) symmetrical balance compressor is the best balance of performance one in various types of piston compressor.
- The inertia force (a first and second order) and the moment of inertia can be completely balanced, uniform shear force, in particular a smooth operation.
- The strength of the relative two throws piston in opposite directions, offsetting each other, thereby substantially improving the neck axis (bearing) stress conditions, a decrease of the main axis between the neck and main bearing wear and prolongs the service life.
- The more throws, and can be one throw for one stage, one stage for one cylinder. Rigid run good, fast and convenient maintenance overhaul.
- Adapt to the larger discharge capacity, the needs of multi-stage compression is the large discharge capacity of gas or CNG mother station with the best type of compressor.

CNG Compressor Technical Parameters:

S/NO.	Model	Suction Pressure		Discharge Pressure		Discharge Capacity	Stage	Motor Power		Overall Dimensions
		MPaG	psiG	MPaG	psiG	Sm³/h		kW	hp	mm
1	ZW-4.3/1-250	0.1	14.5	25	3625	480	4	110	150	3950*1750*2100
2	ZW-5.0/1-250A	0.1	14.5	25	3625	560	4	132	175	3950*1750*2100
3	ZW-7.5/1-250	0.1	14.5	25	3625	800	4	185	250	3950*1750*2100
4	ZW-5.5/2-250	0.2	29	25	3625	900	4	185	250	3950*1750*2100
5	ZW-2.5/3-250	0.3	43.5	25	3625	570	4	110	150	3950*1750*2100
6	ZW-3/3-250	0.3	43.5	25	3625	680	4	132	175	3950*1750*2100
7	ZW-3.9/3-250	0.3	43.5	25	3625	900	4	185	250	6000*2350*2300
8	ZW-3.3/210	Nomal Pressure	Nomal Pressure	21	3045	180	4	55	75	7000*2240*2200
9	ZW-7.5/210	Nomal Pressure	Nomal Pressure	21	3045	400	5	110	150	7000*2240*2200
10	ZW-6/210	Nomal Pressure	Nomal Pressure	21	3045	300	5	90	125	7000*2240*2200
11	ZW-5/210	Nomal Pressure	Nomal Pressure	21	3045	250	5	75	100	7000*2240*2200
12	ZW-4/2-210	0.2	29	21	3045	680	4	132	175	7000*2240*2200
13	ZW-3.2/2-210	0.2	29	21	3045	500	4	110	150	7000*2240*2200
14	ZW-5/2-210(Y)	0.2	29	21	3045	800	4	185	250	7000*2240*2200
15	ZW-1.1/10-250	1	145	25	3625	680	3	110	150	3950*1750*2100
16	ZW-0.7/20-350	2	290	35	5075	800	3	110	150	3950*1750*2100
17	ZW-5.8/1.7-250	0.17	24.65	25	3625	900	4	185	250	3950*1750*2100
18	ZW-6/0.35-250	0.035	5	25	3625	450	5	110	150	3950*1750*2100
19	ZW-7.2/0.35-250	0.035	5	25	3625	640	5	160	215	3950*1750*2100
20	ZW-5.1/0.56-250	0.056	8	25	3625	460	5	110	150	3950*1750*2100
21	ZW-6.2/0.56-250	0.056	8	25	3625	550	5	132	175	3950*1750*2100
22	W-3/1-250	0.1	14.5	25	3625	340	4	75	100	3600*2200*2100
23	W-1/10-250	1	145	25	3625	620	3	90	125	3600*2200*2100
24	W-1.2/10-250	1	145	25	3625	750	3	110	150	3600*2200*2100
25	W-1.4/10-250	1	145	25	3625	880	3	132	175	3600*2200*2100
26	W-1.7/10-250	1	145	25	3625	1100	3	160	215	3600*2200*2100
27	W-2/10-250	1	145	25	3625	1250	3	185	250	3600*2200*2100
28	D-1.2/10-250	1	145	25	3625	750	3	110	150	4000*2600*1250
29	D-1/10-250	1	145	25	3625	600	3	90	125	4000*2600*1250
30	D-0.8/10-250	1	145	25	3625	500	3	75	100	4000*2600*1250
31	D-0.6/10-250	1	145	25	3625	350	3	55	75	4000*2600*1250
32	D-0.20/30-250	3-20	435-2900	25	3625	1100	2	55	75	4500*2700*2600
33	D-0.25/30-250	3-20	435-2900	25	3625	1530	2	75	100	4500*2700*2600
34	D-0.29/30-250	3-20	435-2900	25	3625	1800	2	90	125	4500*2700*2600
35	D-1.3/65-250	6.5	942.5	25	3625	5000	2	315	420	5000*3000*2250

36	D-1.4/60-250	6	870	25	3625	4850	2	315	420	5000*3000*2250
37	D-1.6/55-250	5.5	797.5	25	3625	5100	2	355	475	5000*3000*2250
38	W-0.2/30-250	3-20	435-2900	25	3625	1100	2	55	75	4500*2200*2300
39	W-0.25/30-250	3-20	435-2900	25	3625	1530	2	75	100	4500*2200*2300
40	W-0.29/30-250	3-20	435-2900	25	3625	1800	2	90	125	4500*2200*2300
41	D-1.6/35-250	3.5	507.5	25	3625	3250	2	315	420	5000*3000*2250
42	D-1.6/33-250	3.3	478.5	25	3625	3100	2	280	375	5000*3000*2250
43	D-1.5/45-250	4.5	652.5	25	3625	3900	2	315	420	5000*3000*2250
44	D-1.9/15-250	1.5	217.5	25	3625	1700	3	220	300	5000*3000*2250
45	D-1.8/10-250	1	145	25	3625	1100	3	160	215	5000*3000*2250
46	HD-18/0.5-250	0.05	7.25	25	3625	1500	5	355	475	6000*3150*1750
47	HD-16.3/1-250	0.1	14.5	25	3625	1830	5	400	550	6000*3150*1750
48	HD-18/1-250	0.1	14.5	25	3625	2000	5	450	600	6000*3150*1750
49	HD-13/2-250	0.2	29	25	3625	2200	5	450	600	6000*3150*1750
50	HD-15/1.5-250	0.15	21.75	25	3625	2100	5	450	600	6000*3150*1750
51	M-3.8/6-250	0.6	87	25	3625	1500	4	250	335	4150*2990*1250
52	M-4.9/4-250	0.4	58	25	3625	1400	4	250	335	4150*2990*1250
53	M-7.8/2-250	0.2	29	25	3625	1300	5	280	375	4150*2990*1250
54	M-3.8/6-250	0.6	87	25	3625	1500	4	250	335	4150*2990*1250
55	M-6.5/3-250	0.3	43.5	25	3625	1500	5	280	375	6260*2990*2450
56	M-2.8/12-250	1.2	174	25	3625	2050	4	280	375	6260*2990*2450
57	M-8.7/1.5-250	0.15	21.75	25	3625	1200	5	280	375	4150*2990*2450
58	M-5.8/3.5-250	0.35	50.75	25	3625	1350	4	250	335	4150*2990*2450
59	M-6.8/2-250	0.2	29	25	3625	1150	5	250	335	6260*2990*2450
60	M-8.7/2-250	0.2	29	25	3625	1500	5	315	420	4150*2990*2450
61	M-7.8/2.5-250	0.25	36.25	25	3625	1550	5	315	420	4150*2990*1250
62	M-11/1-250	0.1	14.5	25	3625	1150	5	280	375	4150*2990*1250



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