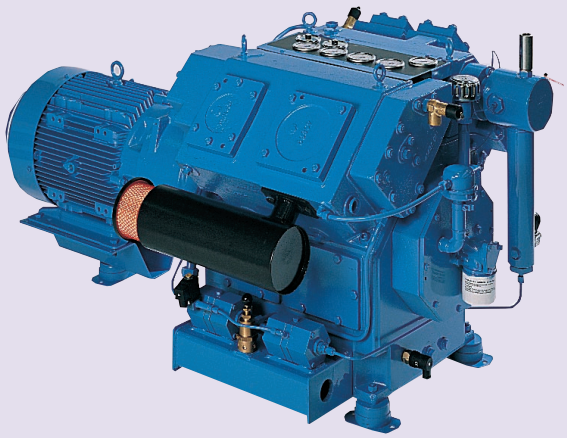
H-Series Water Cooled Compressors

Technical Specifications: **H5212, H5217, H5236, H5317, H5336, H5417, H5420, H5436**

10 to 350 bar g, 25 to 313 m^3/h
145 to 5075 lbf/in^2, 15 to 184 ft^3/min

Heavy duty compressor sets for Industrial, Marine Naval and Breathing Air applications.

With over 100 years of experience CompAir set high quality standards in world-wide compressor markets. Typical uses for these machines are in air blast switchgear, breathing air, motion compensation systems, engine start, dockyard services, gas compression, press accumulator charging, plastic bottle blowing, can forming, test rigs, tyre remoulding and many more.



Model H5417, Direct Driven

Features

- Intake filter/silencer with replaceable element
- 90° Vee configuration for excellent balance
- Built-in inter and afterstage coolers
- Low lift concentric valves
- Direct valve access
- Low piston speed
- Oil and moisture separators with automatic drainage
- Forced lubrication system with oil pump, filter and relief valve
- Corrosion rod in water jacket
- World-wide after sales and service

Benefits

Reduced wear, excellent reliability, longer life, simple maintenance and extended service intervals

- Final delivery non-return valve
- Water Cooling from closed radiator circuit or mains (fresh or sea water)
- Flange coupled or vee belt drive
- Electric motor or diesel engine drive
- TEFV electric motor with flame and explosion proof options
- Anti-vibration mounts for industrial and captive marine applications
- Meets all major survey and certification requirements, world-wide

Quick installation and simply configured to your site and user requirements

- Safety valves on all stages
- High air temperature cut-out switches and gauges
- Final delivery air temperature gauge (optional on H5212 & H5217)
- Low oil pressure cut-out switch and gauge
- Oil sight level glass
- Pressure gauge on each stage
- Controlling air pressure switch
- Bursting disc in water jacket

Complete machine protection and instrumentation

Intelligent Air Technology

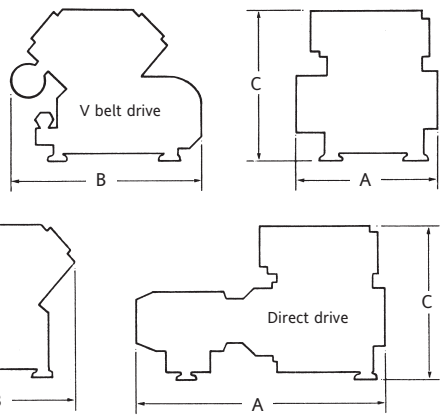
H Series Water Cooled Compressors

Technical Data

MODEL	PRESSURE bar g MIN	MAX	F.A.D. m³/h	RPM	POWER (kW) ABSORBED	MOTOR	STAGES	V-BELT DRIVE DIMS. (A x B x C)mm	kg	DIRECT DRIVE DIMS. (A x B x C)mm	kg
H5212	10		32.3	960	5.3	5.5	2	1290 x 760 x 860	500	1220 x 860 x 860	500
			63.7	1800	8.5	11					
		35	28.9	960	6.3	7.5					
			57.9	1800	12.9	15					
H5217	10		68	960	10.9	11	2	1290 x 870 x 770	730	1470 x 860 x 770	730
			132	1800	22	22					
		40	64.6	960	14.4	15					
			126	1800	28.3	30					
H5236	10		187.4	1040	22.7	37	2	1760 x 970 x 1065	1400	1800 x 1210 x 1050	1400
			313	1800	41.1	75					
		40	173.3	1040	33.1	37					
			291.5	1800	58.2	75					
H5317	40		35.6	960	8.4	11	3	1290 x 870 x 770	740	1560 x 880 x 770	740
			67	1800	16.2	22					
		85	34.2	960	9.5	11					
			64.6	1800	18.5	22					
H5336	40		88.3	960	18.7	22	3	1700 x 1060 x 1100	1430	1850 x 1300 x 1100	1430
			134.8	1500	31	37					
		85	86.3	960	21.9	22					
			132.6	1500	36.4	37					
H5417	140		33.8	960	9.5	15	4	1290 x 870 x 770	750	1560 x 880 x 770	750
			65	1800	19.3	30					
		350	31.8	960	11.5	15					
			63	1800	22.3	30					
H5420	160		58.1	1250	17.4	22	4	1290 x 870 x 770	750	1560 x 880 x 770	750
			85.6	1800	27.3	30					
		350	56.6	1250	20.3	22					
			84.5	1800	31.6	37					
H5436	140		78.9	880	22.5	30	4	1850 x 1300 x 1100	1450	1790 x 1060 x 1100	1500
			132.3	1500	38.4	45					
		350	76.9	880	26.6	30					
			130.4	1500	45.2	45					

Notes:
1. The above data describes ranges of performance available on air and can be increased by approximately 8 % for charging duties. For direct drive sets performance is dependent upon synchronous speed achieved by supply frequency.
2. Performance figures are based on inlet conditions of 20°C, 1.013 bar absolute and 15°C cooling water temperature. Flow rates measured in accordance with ISO 1217:1996.
3. Absorbed, rated motor power and dimensions will differ for radiator cooled sets.
4. Maximum cooling water flow can be approximated by allowing 75 l/hr per kW of absorbed motor power.
5. Selected models available in Naval configurations - specifications may differ from those quoted above.

Gas Applications:
These machines can handle a wide variety of gases, depending on application. Your salesman will be pleased to advise, but typical gases are: argon, bio-gas, carbon monoxide, carbon dioxide, ethane, ethylene, helium, hydrogen, methane, natural gas, neon, nitrous oxide, oxy-helium, sludge gas, sulphur hexaflouride, xenon.



CompAir

www.compair.com
e-mail Sales@CompAir.com

Issue Nº. 98700-375E, 01/02

Ref No. 926290