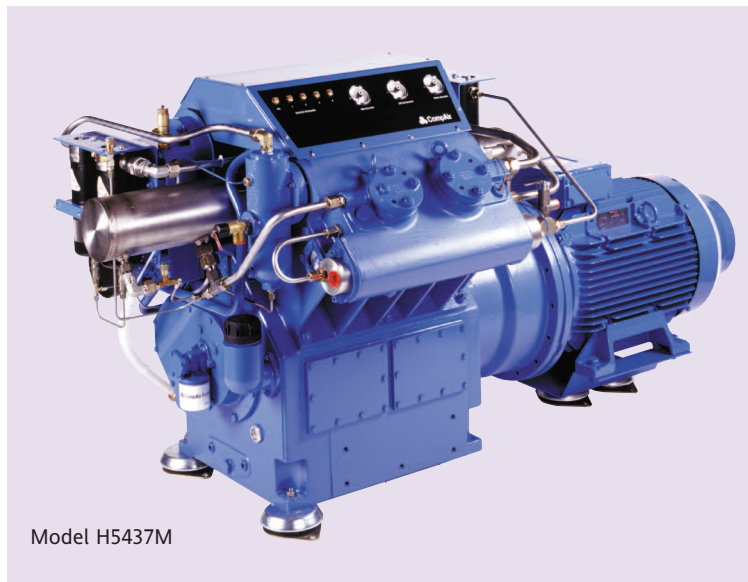


Technical Specifications: **H5437IA, H5437H, H5437N, H5437M, H5437MN**

140 to 414 bar g, 60 to 248 m³/h, 1,000 to 4,100 l/min
2030 to 6000 lbf/in², 35 to 146 ft³/min

Heavy duty compressor sets for Industrial, Naval, Gas and Breathing Air applications, available with integral membrane dehydrator.

With over 100 years of experience CompAir sets high quality standards in world-wide compressor markets. Typical applications are for air blast switchgear, breathing air, motion compensation systems, can blowing, dockyard services, gas compression, naval ship air, accumulator charging, test rigs and many more. The H5437 compressor has been designed for ease of maintenance, with the optional addition of an integral membrane dehydrator that removes unwanted gas or water molecules from the air stream by selective permeation through a hollow fibre membrane bundle.



Model H5437M

Features

- 4 compression stages
 - 90° Vee configuration for excellent balance
 - Intake filter/silencer with replaceable element, high efficiency silencer option available
 - Integral high efficiency corrosion resistant and withdrawable inter and afterstage coolers
 - Low lift concentric valves with polymer plates on 4th stage
 - All compression parts removable without major stripdown
 - Direct valve access via valve cover
 - Replaceable liners
 - Spin on Oil Filter
 - Low piston speed
 - Integral large capacity separators with automatic drainage
 - Forced lubrication system
 - Spheroidal Graphite Cast Iron cylinders
-
- High air temperature switch
 - Final delivery air temperature gauge
 - Pressure gauge on all stages
 - Oil system relief valve, low pressure switch, level and pressure gauge
 - Bursting disc in water jacket
 - Safety valves on all stages
 - Sacrificial anode corrosion rods in water jacket
-
- Suitable for direct cooling by fresh or sea water, optional cooling from integral closed radiator circuit system
 - TEFV electric motor with flame and explosion proof options
 - Anti-vibration mounts
 - Designed to meet all major survey and certification requirements, world-wide
 - World-wide after sales service

OPTIONAL DEHYDRATOR FEATURES

- Passive drying device
- Integral with compressor
- High efficiency drying achieving exceptionally low dewpoint

Benefits

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

Complete machine protection and instrumentation

Quick installation, simply configured to your site and user requirements

Without taking any extra floor space this option has no wearing parts, no consumables, no power consumption and delivers exceptionally dry air

Intelligent Air Technology

H5437 Water Cooled Compressor

Technical Data

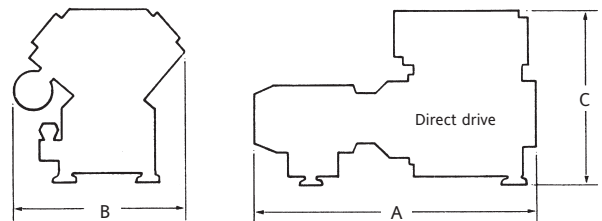
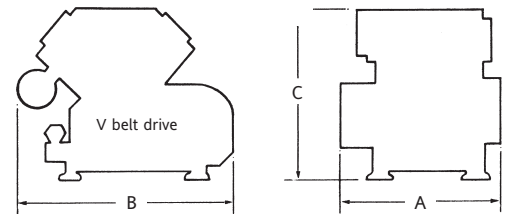
MODEL	Max Suction Press BarG	Discharge Pressure BarG	F.A.D. m ³ /h	SPEED RPM	POWER absorbed/motor kW		V-BELT DRIVE		DIRECT DRIVE		Comment
							DIMS. (LxWxH)mm	kg	DIMS. (LxWxH)mm	kg	
H5437IA Industrial Air	0.55	160	69.7	750	19.2	22	1700 x 1060 x 1090	1600	1820 x 1200 x 1090	1500	Stainless Steel Cooler
			159.2	1800	48.1	55					
		350	64.9	750	22.7	30					
			156.9	1800	52.9	55					
H5437H HP Air	0.55	414	62.3	750	21.0	22	1700 x 1060 x 1090	1600	1820 x 1200 x 1090	1500	Stainless Steel Cooler
			133.0	1500	45.0	45					
H5437N Naval Air	0.03	See Note 5 Available 160 to 350 bar	75.6	750	23.2	30	1700 x 1060 x 1150	1600	1820 x 1200 x 1150	1500	Cupro-Nickel Cooler
			183.6	1800	54.5	55					
H5437M Membrane Air	0.03	140	61.6	750	19.2	22	1700 x 1320 x 1090	1640	1990 x 1200 x 1090	1540	Stainless Steel Cooler and Dehydrator Casing
			149.4	1800	47.8	55					
		310	59.7	750	22.7	30					
			148.3	1800	54.3	55					
H5437MN Membrane Naval	0.03	See Note 5 Available 140 to 310 bar	70	750	21.5	22	1700 x 1320 x 1150	1640	1990 x 1200 x 1150	1540	Cupro-Nickel Cooler and Stainless Steel Dehydrator Casing
			170	1800	50.5	55					
H5437B2 High inlet pressure - 6 bar g	2	150	83.4	1200	17.9	22.0	1700 x 1320 x 1090	1600	1990 x 1200 x 1090	1500	Stainless Steel Coolers
			132.0	1800	29.0	37.0					
	5	350	171.2	1200	35.2	37.0					
			271.4	1800	56.0	75.0					

Notes:

- The above data describes ranges of performance available on air and can be increased by approximately 8% for charging duties.
- 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.
- Absorbed, rated motor power and dimensions will differ for radiator cooled sets.
- Cooling water flow is approximately 75 l/hr per kW of absorbed motor power.
- Flowrate for Naval configurations is charging volume from 35 to 275 bar g referred to British Naval Engineering Standard DEF STAN 02-315 (NES 315). Actual pressure range is as given.
- Performances on electric motor sets are based on a 50 Hz supply.

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, nitrogen, oxy-helium mix, sludge gas, sulphur hexafluoride, xenon.



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