

Technical Specifications: **V04G to V18G.**

10 to 48 l/s

21 to 102 ft³/min

Compression and delivery systems for:

- natural gas fuelling of micro turbines
- gas boost applications

With over 100 years of experience CompAir gas compressors and package solutions set high quality standards in world-wide markets. We have manufacturing plants in Europe, Asia and North America, supported by a world-wide network of distribution outlets, offering the highest level of after-sales support.

The 'VG' range of CompAir vane gas boost compressors are offered in a modular format to allow customers to choose the level of pre-packaging required. All compression packages are designed to meet the most exacting of international standards.



Features and Benefits

Key Points:

- Established rotary vane technology
- 500,000 vane units operating world-wide
- Outputs to match specific Micro Turbines
- Totally integrated compression unit
- Continuous 100% duty
- No 'through life' decline in performance
- Variable speed/output versions
- Floor or storage tank mounted
- Electric motors: -50 Hz Eff1 or -60 Hz EpAct NEMA
- Automatic control of gas delivery
- Compressor controlled stop/start
- Turbine controlled stop/start
- Small footprint

And more:

- Simple installation
- Direct drive
- Slow running speed
- Thermistor over-temperature protection
- Up to 2 bar (30psi) inlet pressure
- Externally adjustable pressure facility
- Integral gas line vacuum switch
- Natural gas compatible lubricant
- Lubricant level sight glass
- Hours counter
- Pressure gauge
- Gas connection kits
- Full range of service kits

Gas Boost Compressor Systems

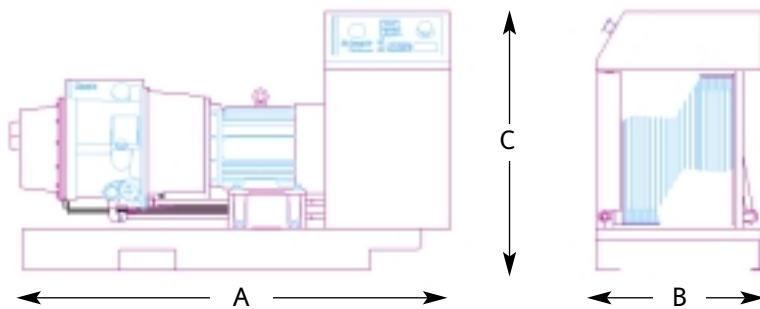
Technical Data

Performance and data for typical natural gas fuel micro turbine applications!

PERFORMANCE	V04G		V05G		V05G-RS		V07G		V07G-RS		V18G	
Full Flow - litres/s (cfm) **	10 (21)	10 (21)	15 (32)	14.5 (31)	8 to 14 (17 to 29)		21 (44)	19 (40)	12 to 20 (25 to 43)		48 (102)	45 (95)
Motor Frequency (Hz)	50	60	50	60	50/60		50	60	50/60		50	60
Compressor Speed - rpm	1460	1750	1460	1750	1050 to 2100		1460	1750	1050 to 2100		1460	1750
Intake Pressure Range - mbar (psi) gauge	0 to 700 (0 to 10)											
Delivery Pressure - bar (psi) gauge	5.5 (80) Full Load											
Motor Size - kW (HP)	4 (5.5)		5.5 (7.5)		7.5 (10)		7.5 (10)		18 (25)		18 (25)	
Noise Level - dB(A)	70	71	70	71	68 to 72		71	72	69 to 73		76	77
Starter	DOL (ACL)				VSD		DOL (ACL)		VSD		DOL (ACL)	
Motor to Compressor Drive	DIRECT											
Controls	Auto stop start/continuous run				Stop/start/variable		Auto stop start/continuous run		Stop/start/variable		Auto stop start/continuous run	
Lubricant Capacity - litres (US gallons)	4.3 (1.1)										13.6 (3.6)	
INSTALLATION												
Gas Inlet Size "G	2											
Gas Outlet Size Rp	3/4											
Voltage	400	230/460/480	400	230/460/480	400/480		400	230/460/480	400/480		400	230/460/480
Voltage Tolerance	-10% +10%	-6% +6%	-10% +10%	-6% +6%	-10% +10%		-10% +10%	-6% +6%	-10% +10%		-10% +10%	-6% +6%
Phase	3											
Ambient Temp. Range °C (°F)	-5 to + 40 (28 to 104)											
DIMENSIONS												
A Length - mm (ins)	1252 (49)										1772 (69)	
B Width - mm (ins)	480 (19)										610 (24)	
C Height - mm (ins)	751 (30)										1087 (43)	
Weight - kg (lbs)	155 (341)										428 (17)	
OPTIONS												
Receiver - litre (Galls)	200	(60)	200	(60)	200(60)		200	(60)	200(60)		N/A	N/A
Inlet Connection Kit	34587	\	34587	\	34587 (50Hz only)		34586	\	34586 (50Hz only)		N/A	N/A
Outlet Connection Kit	34588	\	34588	\	34588 (50Hz only)		34588	\	34588 (50Hz only)		N/A	N/A

Notes:

- ** At 70 mbar (1 psi) Gas Inlet Pressure and 20°C (68°F) inlet temperature.
- Abbreviations: 'RS' Regulated Speed; 'DOL' Direct on Line; 'ACL' Across the Line; 'VSD' Variable Speed Drive.
- Free Gas Delivery (F.G.D.) in accordance with ISO 1217. Noise: Tested to Pneuop PN8NTC2.3. Lubricants: CompAir rotary vane Polyalkylene Glycol (PAG) quality lubricant.
Warranty: 12 months. Quality: CompAir UK Ltd Quality Management System approved to BS EN ISO 9002. Registered Design.



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