

Rotary Screw Compressed Air For Industry

Next Generation Screw (NGS) Rotary Screw Compressor Range

PRODUCT CATALOGUE



NGS 7.5kW

Key Features

- Direct-drive transmission
- Variable-speed inverter technology
- Advanced electronic controller
- Built for Australian conditions
- Compact, space-saving design
- Quiet operation – 62 dB(A)
- Backed by Pilot Air warranty & nationwide service



Technical Specifications

No.	Item	Unit	Parameter	
1	Air flow/Working Pressure	(L/S) / BAR	21.67 / 10	
2	Ambient temperature	°C	-5~+45	
3	Cooling method		Air-cooling	
4	Exhaust temperature	°C	≤Ambient temperature+15	
5	Lubricating oil quantity	L	10	
6	Transmission method		Direct	
7	Gas flow control method		Loading/unloading	
8	Gas oil content	ppm	≤3	
9	Noise	dB(A)	62±2	
10	Lubricant Type		46 grade mineral oil	
11	Safety valve set pressure	MPa	Rated working pressurex1.1	
12	Motor	Power	kW	7.5
		Speed	rpm	2900
		Starting Method		Inverted
		Voltage/Frequency	V/Hz	415/50
		Protection Level/Insulation Level		IP55, Grade F
12	Fan	Power	kW	0.12
		Voltage/Frequency	V/Hz	415/50
		Speed	rpm	1440
		Air Volume	m3/h	2100
14	Dimensions	mm	890*650*810	
15	Weight	kg	210	
16	Outlet pipe diameter	in	G 1/2	

NGS 11kW

Key Features

- Direct-drive transmission
- Variable-speed inverter technology
- Advanced electronic controller
- Low noise 64 dB(A)
- Compact, space-saving design
- Energy savings
- Backed by Pilot Air warranty & nationwide service



Technical Specifications

No.	Item	Unit	Parameter	
1	Air flow/Working Pressure	(L/S) / BAR	21.67 / 10	
2	Ambient temperature	°C	-5~+45	
3	Cooling method		Air-cooling	
4	Exhaust temperature	°C	≤Ambient temperature+15	
5	Lubricating oil quantity	L	10	
6	Transmission method		Direct	
7	Gas flow control method		Loading/unloading	
8	Gas oil content	ppm	≤3	
9	Noise	dB(A)	64±2	
10	Lubricant Type		46 grade mineral oil	
11	Safety valve set pressure	MPa	Rated working pressure×1.1	
12	Motor	Power	kW	11
		Speed	rpm	2930
		Starting Method		Inverted
		Voltage/Frequency	V/Hz	415/50
		Protection Level/Insulation Level		IP55, Grade F
12	Fan	Power	kW	0.25
		Voltage/Frequency	V/Hz	415/50
		Speed	rpm	1440
		Air Volume	m ³ /h	3500
14	Dimensions	mm	1160*700*1100	
15	Weight	kg	230	
16	Outlet pipe diameter	in	G 3/4	

NGS 15kW

Key Features

- Energy savings
- Direct drive transmission
- Low noise levels
- Advanced technology MAM-6080 controller
- High-quality electric motors
- Backed by Pilot Air warranty & nationwide service
- Increased air - intelligent cost control



Technical Specifications

No.	Item	Unit	Parameter	
1	Air flow/Working Pressure	(L/S) / BAR	35 / 10	
2	Ambient temperature	°C	-5~+45	
3	Cooling method		Air-cooling	
4	Exhaust temperature	°C	≤Ambient temperature+15	
5	Lubricating oil quantity	L	10	
6	Transmission method		Direct	
7	Gas flow control method		Loading/unloading	
8	Gas oil content	ppm	≤3	
9	Noise	dB(A)	64±2	
10	Lubricant Type		46 grade mineral oil	
11	Safety valve set pressure	MPa	Rated working pressure×1.1	
12	Motor	Power	kW	15
		Speed	rpm	2930
		Starting Method		Inverted
		Voltage/Frequency	V/Hz	415/50
		Protection Level/Insulation Level		IP55, Grade F
12	Fan	Power	kW	0.25
		Voltage/Frequency	V/Hz	415/50
		Speed	rpm	1440
		Air Volume	m ³ /h	4000
14	Dimensions	mm	1160*700*1100	
15	Weight	kg	230	
16	Outlet pipe diameter	in	G 3/4	

NGS 22kW

Key Features

- Energy-saving variable speed drive
- Advanced cooling system with aftercooler
- High-efficiency MEPS-compliant motor
- Automatic restart & intelligent controls
- Easy maintenance & service access
- Backed by Pilot Air warranty & nationwide service
- Ultra-quiet, continuous operation



Technical Specifications

No.	Item	Unit	Parameter	
1	Air flow/Working Pressure	(L/S) / BAR	53.33 / 10	
2	Ambient temperature	°C	-5~+45	
3	Cooling method		Air-cooling	
4	Exhaust temperature	°C	≤Ambient temperature+15	
5	Lubricating oil quantity	L	14.5	
6	Transmission method		Direct	
7	Gas flow control method		Loading/unloading	
8	Gas oil content	ppm	≤3	
9	Noise	dB(A)	68±2	
10	Lubricant Type		46 grade mineral oil	
11	Safety valve set pressure	MPa	Rated working pressure×1.1	
12	Motor	Power	kW	22
		Speed	rpm	2950
		Starting Method		Inverted
		Voltage/Frequency	V/Hz	415/50
		Protection Level/Insulation Level		IP55, Grade F
12	Fan	Power	kW	0.55
		Voltage/Frequency	V/Hz	415/50
		Speed	rpm	1440
		Air Volume	m ³ /h	4000
14	Dimensions	mm	1200*900*1150	
15	Weight	kg	415	
16	Outlet pipe diameter	in	G 1	

NGS 37kW

Key Features

- High-capacity airflow
- Variable-speed drive for maximum energy efficiency
- Designed for 100% continuous duty operation
- Direct-Drive, low-stress air-end technology
- Advanced intelligent control & system integration
- Backed by Pilot Air warranty & nationwide service
- Long-term reliability



Technical Specifications

No.	Item	Unit	Parameter	
1	Air flow/Working Pressure	(L/S) / BAR	93.33 / 10	
2	Ambient temperature	°C	-5~+45	
3	Cooling method		Air-cooling	
4	Exhaust temperature	°C	≤Ambient temperature+15	
5	Lubricating oil quantity	L	20	
6	Transmission method		Direct	
7	Gas flow control method		Loading/unloading	
8	Gas oil content	ppm	≤3	
9	Noise	dB(A)	68±2	
10	Lubricant Type		46 grade mineral oil	
11	Safety valve set pressure	MPa	Rated working pressure×1.1	
12	Motor	Power	kW	37
		Speed	rpm	2950
		Starting Method		Inverted
		Voltage/Frequency	V/Hz	415/50
		Protection Level/Insulation Level		IP55, Grade F
12	Fan	Power	kW	0.75
		Voltage/Frequency	V/Hz	415/50
		Speed	rpm	1440
		Air Volume	m ³ /h	6500
14	Dimensions	mm	1560*1000*1365	
15	Weight	kg	625	
16	Outlet pipe diameter	in	G 1 1/2	

NGS 15kW-16 Bar

Key Features

- Purpose-built for laser cutting
- Complete plug-and-play system
- Clean, dry air protection
- Belt-driven reliability
- Adjustable startup configuration
- Compact footprint for workshop integration
- Backed by Pilot Air warranty & nationwide service
- Engineered for manufacturing



Technical Specifications

No.	Item	Unit	Parameter	
1	Air flow/Working Pressure	(L/S) / BAR	20 / 16	
2	Ambient temperature	°C	-5~+45	
3	Cooling method		Air-cooling	
4	Exhaust temperature	°C	≤Ambient temperature+15	
5	Lubricating oil quantity	L	10	
6	Transmission method		Belt	
7	Gas flow control method		Loading/unloading	
8	Gas oil content	ppm	≤3	
9	Noise	dB(A)	72±2	
10	Lubricant Type		46 grade mineral oil	
11	Safety valve set pressure	MPa	Rated working pressure×1.1	
12	Motor	Power	kW	15
		Speed	rpm	2930
		Starting Method		Inverted
		Voltage/Frequency	V/Hz	415/50
		Protection Level/Insulation Level		IP55, Grade F
12	Fan	Power	kW	0.25
		Voltage/Frequency	V/Hz	415/50
		Speed	rpm	1440
		Air Volume	m ³ /h	2100
14	Dimensions	mm	1785*840*1800	
15	Weight	kg	540	
16	Outlet pipe diameter	in	G 3/4	

Contact Us for pricing & availability

NSW

Head Office & Manufacturing
115 Beaconsfield Street,
Silverwater, Sydney NSW 2128

Service and Spares Division
21-25 Stubbs Street,
Auburn, Sydney NSW 2144

VIC Branch  1300 667 579

QLD Branch  07 3279 1213

WA Branch  08 9424 2800

SA Branch  1300 667 579

Website  www.pilotair.com.au

Email  sales.pilotair.com.au



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