

compressors



clean and quiet

air



**JUN-AIR®**

# quiet and reliable



Clean air is essential for the eagle as well as for half a million satisfied JUN-AIR customers all over the world. They take quiet operation and high air quality for granted.

JUN-AIR introduced the first compressor almost 50 years ago and started the development of the technology and design, which has made it possible to use compressed air for an increasing number of applications. In dental clinics, laboratories, for food and beverages, graphics, door opening devices, medical and health equipment - just to mention a few.

JUN-AIR invests in the latest technology. The compressors have a compact and elegant design, reflecting quality and it is, therefore,



highly suitable for installation at the place of use.

Performance and design will always play a key role in the further development of JUN-AIR compressors. At the same time, concern for the environment, low energy consumption, minimum maintenance and user-friendly operation are given high priority.

JUN-AIR supplies clean and quiet air – a complete compressed air solution.



# clean air



Sophisticated use of clean and dry compressed air in laboratories, within the dental and medical industry results in an increasing demand for higher quality oil-less air compressors. JUN-AIR's extensive range complies with the company's traditional values – low noise level, reliability and long lifetime. Easy maintenance, a unique cooling system and wear-resisting piston rings ensure 100% continuous operation - even under extreme conditions.

The JUN-AIR models 1000 and 2000 are traditional piston compressors, providing reliable operation and long lifetime. In addition, JUN-AIR has developed a new generation of oil-less compressors, based on the WIP technology (Waving Integrated Piston technology) – the OF series. This series meets all present requirements for professional and quiet compressed air solutions.

Flexibility is one of the key features of the OF series. This range is available as a separate compressor unit or as a complete solution. The compact motor may be placed in any plane

and the adjustable footprints allow retrofitting of existing installations.

The unique design of the compact and robust OF series is based on the latest technology in materials and an innovative principle of compression with few moving parts. This design ensures further reduction of noise, vibration and wear. Several outlet ports, adjustable feet and multiple mounting positions, make the OF series the perfect choice for integrated, customized solutions.

The compact, quiet 12 and 24V DC compressors are suitable for various applications, including advanced control equipment, military vehicles, trams, trains, emergency vehicles, and remote medical equipment.

All receivers for oil-less compressors are internally powder-coated in order to avoid corrosion, ensuring high air quality throughout the lifetime of the receiver. Having the lowest noise and vibration level in the market, JUN-AIR compressors are suitable for installation directly at or near the place of use. Even without a noise

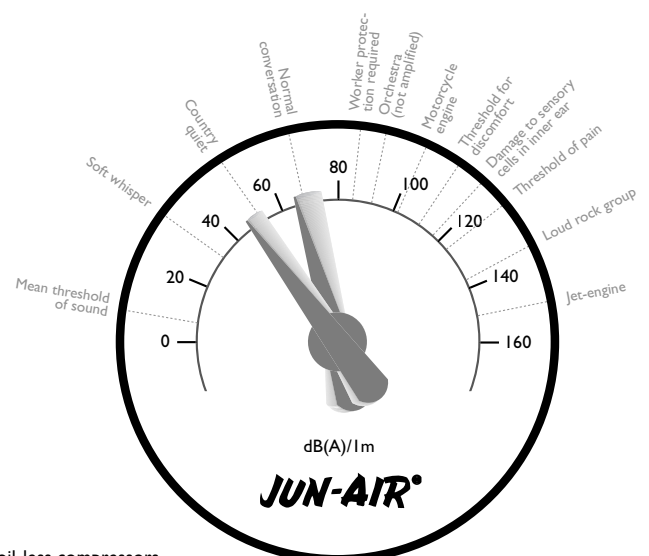


Model		OF301	OF302	2xOF302	1000	2000	4000	6000	8000
Motor	HP	0.33	0.60	1.20	1.02	1.50	3.00	4.50	6.00
	kW	0.25	0.45	0.90	0.75	1.10	2.20	3.30	4.40
Displacement - 50Hz	l/min	54	108	216	88	176	352	528	704
	CFM	1.91	3.81	7.63	3.11	6.22	12.44	18.65	24.86
Displacement - 60Hz	l/min	68	138	276	106	212	424	636	848
	CFM	2.40	4.87	9.75	3.74	7.49	14.56	22.46	29.95
FAD @ 8 bar/120 psi - 50Hz	l/min	20	38	76	45	90	180	270	360
	CFM	0.71	1.34	2.68	1.59	3.18	6.36	9.53	12.71
FAD @ 8 bar/120 psi - 60Hz	l/min	23	44	88	55	110	220	330	440
	CFM	0.81	1.55	3.11	1.94	3.88	7.77	11.65	15.54
Tank size	litres	4	4 - 15 - 25	40	25	40	40 - 150	150	150
	gallon	1.1	1.1 - 4.0 - 6.6	10.6	6.6	10.6	10.6 - 39.6	39.6	39.6
12V DC		•							
24V DC		•							
100V/50Hz		•	•	•		•			
100V/60Hz		•	•	•					
120V/60Hz		•	•	•	•	•			
200V/50Hz		•	•	•		•	•	•	
200V/60Hz		•	•	•		•	•	•	
230V/50Hz		•	•	•	•	•	•	•	
230V/60Hz		•	•	•	•	•	•	•	
3x200V/50Hz						•	•	•	•
3x200V/60Hz						•	•	•	•
3x208V/60Hz						•	•	•	•
3x400V/50Hz		•	•	•		•	•	•	•
3x440V/60Hz		•	•	•		•	•	•	•

Please refer to [www.jun-air.com](http://www.jun-air.com) for data sheets with specifications on each model

reduction cabinet, the noise level is only 65-75 dB(A). The optimum solution is the M series where a metal cabinet reduces the noise level by 75%, resulting in a level of only 47-55 dB(A), which is below normal conversation level.

Alternatively, JUN-AIR offers the P series where an acoustic canopy for the models 2000 and 4000 reduces the noise level by 50%.



Noise level for oil-less compressors

# quiet air



When a reliable supply of quiet compressed air is required, JUN-AIR's oil-lubricated range of compressors is the perfect choice. The noise level is as low as 35 dB(A) - far below the level of normal conversation.

The quiet, vibration-free and reliable compressors have a compact design and are easily mounted at the place of use.

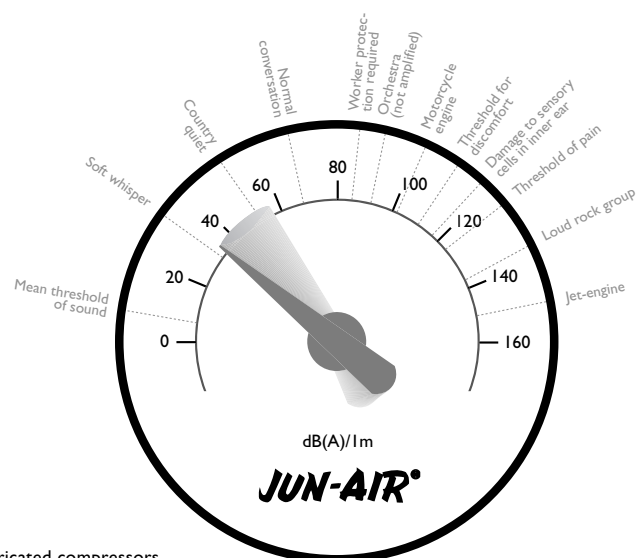
The oil-lubricated piston compressor is supplied ready for use with a range of receiver sizes.

Furthermore, the compressors are available with various types of accessories, including trolleys and different filters for removal of oil and dirt particles as well as possible oil vapour and odours to improve the air quality.



Model		3	6	12	18	24	36		
Motor	HP	0.18 - 0.20	0.46 - 0.54	0.92 - 1.08	1.38	1.84	2.76		
	kW	0.13 - 0.15	0.34 - 0.40	0.68 - 0.80	1.02	1.36	2.04		
Displacement - 50Hz	l/min	17	50	100	150	200	300		
	CFM	0.60	1.77	3.54	5.31	7.08	10.62		
Displacement - 60Hz	l/min	20	60	120	180	240	360		
	CFM	0.71	2.12	4.24	6.36	8.48	12.72		
FAD @ 8 bar/120 psi - 50Hz	l/min	11	32	64	96	128	192		
	CFM	0.39	1.13	2.26	3.39	4.52	6.78		
FAD @ 8 bar/120 psi - 60Hz	l/min	13	37	74	111	148	222		
	CFM	0.46	1.31	2.61	3.92	5.23	7.84		
Tank size	litres	4	4 - 15 - 25	25 - 40	40	40	150		
	gallon	1.1	1.1 - 4.0 - 6.6	6.6 - 10.6	10.6	10.6	39.6		
12V DC									
24V DC									
100V/50Hz		•	•	•					
100V/60Hz		•	•	•					
120V/60Hz		•	•	•					
200V/50Hz		•	•	•	•	•			
200V/60Hz		•	•	•	•	•			
230V/50Hz		•	•	•	•	•			
230V/60Hz		•	•	•	•	•			
3x200V/50Hz						•	•		
3x200V/60Hz						•	•		
3x208V/60Hz						•	•		
3x400V/50Hz						•	•		
3x440V/60Hz						•	•		

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Noise level for oil-lubricated compressors



Atmospheric air contains water vapour, which condenses to water droplets when the compressed air cools. Water in compressed air causes a major inconvenience to the user, as it may damage the equipment connected to the compressor. At the same time, moisture and heat from the compression of the air create favourable conditions of growth for microorganisms. If the compressed air is in direct contact with human beings, animals, food or medical equipment, hygiene problems may arise.

To ensure both clean and dry compressed air, JUN-AIR offers two types of dryers: adsorption air dryers and membrane dryers. They are – unlike many types of dryers in the market – designed for continuous operation.

The adsorption air dryer removes water vapour before accumulating the dry compressed air in the receiver – ensuring a constant and absolute pressure dew point of  $-40^{\circ}\text{C}$ . Bacteria become inactive at a pressure dew point below  $-23^{\circ}\text{C}$  and may subsequently be removed.

The risk of corrosion is eliminated at  $-30^{\circ}\text{C}$ .

The membrane dryer is smaller and requires less service. The membrane dryer may be preferred where the dew point only has to be lower than the ambient temperature. This will ensure moisture free air.





JUN-AIR offers a dryer/filter combination complying with the EU standard for breathing air (Pharmacopia) and with other international standards for classification of compressed air quality.



# individual accessories



As the number of applications continue to grow, the need for higher quality air and more automated functionality increases.

JUN-AIR has introduced a wide variety of accessories for the compressors to comply with the requirements of the user, resulting in increased satisfaction and efficiency.

The wide range of filters - separately or combined with air dryers - ensures the compressed air quality needed for the actual requirement.

To simplify service, both filters and receivers may be supplied with an automatic drain and drain bottle for drainage and collection of condensate. This ensures efficient removal of contamination and is another example of JUN-AIR's concern for the environment.

During operation, compressors generate heat, and to ensure optimum performance and lifetime of the oil-lubricated compressors, they may be supplied with an external fan. This is particularly useful in high ambient temperatures.

One of the results is that the compressor can operate for longer periods on load. The max. operation of the compressor without an external fan is 50% of the operation time.

Flexibility and mobility in the placing of the compressor may save time and investment. Therefore, the M series is supplied with wheels as standard. All other models may be supplied with wheels as option for improved mobility.





please contact JUN-AIR  
regarding other accessories

# custom-built compressors



The chameleon has evolved a method of adapting to its surroundings, and JUN-AIR has also adapted the products to the changing demands of OEM customers.

JUN-AIR manufactures complete custom design solutions worldwide to suit a wide range of applications, whatever shape or size, it is designed for the individual customer.

More and more customers have individual requirements for their compressed air solutions, low noise

and vibration levels are essential for a built-in compressor. JUN-AIR's association with major customers in OEM projects lasts from the initial contact, to the design and final installation of the compressor solution.

After half a century as a manufacturer of compressors, JUN-AIR has a depth of experience and knowledge in many applications. A product range for customized solutions has been developed, using the latest advances in compressor technology and therefore enhancing

the performance of customer products worldwide.





JUN-AIR supplies clean and quiet air – a complete compressed air solution.



development of  
**OEM** compressors

# global advantages



The JUN-AIR products are sold in more than 100 countries. The network of JUN-AIR distributors and service partners ensures the availability of compressors, spare parts and service support for customers worldwide.

JUN-AIR has worldwide approvals for compressors and pressure receivers to ensure proper and legal use of the products globally. This is an advantage for the customers integrating a JUN-AIR solution in their equipment for worldwide use.

All products are covered by a two-year warranty (and a five-year warranty on the air receivers). They are CE-marked and approved by Demko, Gost, CSA and UL. In addition, ASME approval is included for most of the pressure vessels as part of the range.



For further information and guidance on specific applications as well as technical details on all products, please refer to [www.jun-air.com](http://www.jun-air.com)

**please visit [www.jun-air.com](http://www.jun-air.com)  
for further information**

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