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Mzansi Air Compressors (Pty) Ltd.

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The compressed air from these compressors is not suitable for direct human consumption in any form or manner. All brand names in this brochure are the property of their respective owners.



AERIS

Superior Engineering and Acclaimed Productivity...

https://www.macair.co.za/

ABOUT US



At Mzansi Air Compressors, we are dedicated to providing robust and efficient air compression solutions. Our products are the epitome of powerful design and renowned efficiency, engineered to meet the diverse needs of industries worldwide. Our air compressors are built with superior craftsmanship, ensuring robust construction for long-lasting performance. We pride ourselves on our acclaimed productivity, offering air compressors that deliver unmatched performance even in the most demanding conditions.

Our ranges include, but are not limited to, the following:

- AERIS All (Compessor, receiver tank, dryer and line filters)
- AERIS RL (Fixed-speed/Star-Delta)
- AERIS-PM RLV (Variable-speed / VSD)
- AERIS RSV (Rotary screw Vacuum pumps)
- AERIS TS & TSV (Two-stage screw compressors)

Mzansi Air Compressors is more than just a product - it's a guarantee of reliability, durability, and efficiency. Choose MAC, and experience the difference in your business operations.

PRODUCT APPLICATION

The technology behind screw air compressors is continually advancing, reaching new heights of maturity. This progression is marked by a set of distinct features that make these compressors increasingly appealing to a wide range of users.

Firstly, they exhibit high performance. This means they are capable of delivering a powerful output, ensuring that the compressed air is produced efficiently and effectively. This high performance is a testament to the advanced engineering and design principles employed in their construction.

Secondly, these compressors are characterized by their high efficiency. They are designed to maximize the conversion of electrical energy into kinetic energy, minimizing waste and thereby reducing operational costs. This efficiency is not just beneficial from an economic standpoint, but also contributes to environmental sustainability.

Thirdly, screw air compressors are renowned for their high reliability. They are built to last, with robust components that can withstand the rigors of continuous operation. This reliability translates into less downtime, more productivity, and ultimately, greater satisfaction for the user.

Another key characteristic of these compressors is their low maintenance cost. Thanks to their sturdy construction and the use of high-quality materials, they require less frequent servicing compared to other types of compressors. This not only reduces the cost of ownership but also minimizes the inconvenience associated with maintenance activities.

Finally, these compressors come with intelligent control systems. These systems allow for precise control over the compressor's operation, enabling users to fine-tune the performance according to their specific needs. This level of control can lead to further efficiencies and optimizations, making these compressors highly adaptable to a variety of

In conclusion, the maturing technology of screw air compressors, characterized by high performance, high efficiency, high reliability, low maintenance cost, and intelligent control, is well-equipped to cater to the diverse and actual gas demands of various users. This continual evolution and refinement of technology ensure that screw air compressors remain a reliable and efficient choice for users carross different sectors.

We can offer air solutions for 99% of the compressed air application spectrum...





AIR-END

- 1. Our product incorporates the globally recognized third-generation asymmetric wire twin-screw air end. It follows a meticulous manufacturing process, utilizing a high-efficiency tooth shape and an axial air inlet design for optimal efficiency at low pressure.
- The design features an optimized flow channel, large rotors, and operates at a low speed for superior efficiency. This results in an energy efficiency increase of 5% -15% compared to its predecessor.
- 3. Equipped with Swedish SKF heavy-duty bearings and a double-lip shaft seal, our product offers durability and reliability you can trust.



MOTOR

- 1. Our motor is a high-performance model from renowned brands. It features Permanent Magnet Synchronous Motors (PM motors) that utilize high-performance NdFeB permanent magnets. These magnets retain their magnetism up to 200°C and offer a service life of up to 15 years.
- 2. The stator coil is designed with a special halo proof enameled wire for frequency converters, providing exceptional insulation and an extended service life.
- 3. Our motor is equipped with temperature protection and offers a wide range of speed regulation. With its high precision and extensive volume regulation, it significantly improves reliability. Its compact size,
- town obey, and large excess current further enhance its performance.

 4. With a protection grade of IP55 and insulation grade f, our motor is effectively shielded, thereby increasing its service life. Its efficiency is 5%–7% higher than similar products in the market.



FAN

- Our fan features an expansive design that significantly boosts its heat dissipation capabilities. Its motor is specially designed internally to withstand challenging operating conditions.
- 2. The fan's motor is engineered with a unique winding and a high degree of protection to endure harsh
- The fan's operation is managed by a controller, enabling automatic activation and deactivation. This
 feature effectively sustains the optimal working temperature of the air compressor lubricant.



COOLER

- 1. Our heat exchanger, crafted from top-tier materials and featuring a distinctive internal channel layout, expands the heat exchange surface area. This design effectively dissipates heat, optimizing the performance of the air compressor.
- 2. The interior wall of the heat exchanger undergoes a corrosion-resistant treatment, enhancing both the
- 2. The meron want on the meat exchanger and the efficiency of heat transfer.

 3. Our radiator, having passed rigorous factory testing offers dependable quality. It effectively mitigates overheating in the air compressor, thereby extending the machine's operational life.



INTAKE VALVE

- 1. The intake valve stands as the pivotal element in regulating the air intake in the air compressor.

 2. By incorporating a globally recognized brand of air intake valve, it can autonomously modulate
- the air volume from 0-100% based on the system's air demand. This ensures minimal pressure loss, consistent performance, and extended lifespan, thereby leading to a reduction in operational costs.



CONTROLLER

- 1. Our system embraces a PLC multilanguage control system, featuring an aesthetically pleasing and intuitive interface. This user-friendly design allows operators to adjust the compressor swiftly and effortlessly
- The unit is safeguarded by 14 protection functions, including overload protection, short circuit
 protection, reverse protection, low temperature protection, high voltage protection, and more, ensuring comprehensive protection of the unit.
- 3.The state-of-the-art microcomputer control drive system enables intelligent control, variable speed control of air volume, automatic adjustment of load start, and soft start. It offers intelligent dynamic control and dynamic display of the working status of each compressor component, providing visual pressure, temperature, and current working curve.

 4. The system boasts a large memory and is equipped with a printer interface. It supports computer
- remote monitoring or multiple linkage control between air compressors, enhancing operational efficiency.



INVERTER

- The standard model comes equipped with a high-frequency reactor, effectively mitigating the frequency converter and the external magnetic field dry reactance.
- 2. It reliably curtails peak current at startup, ensuring a stable start
- 3. Leveraging high-performance current vector technology, it can effortlessly drive induction motors.

 4. Our design prioritizes high performance, superior quality, and high power density. Significant enhances in usability, maintainability, environmental protection, installation space, and design standards further refine the user experience.
- 5. The independent air duct design offers resistance to all forms of severe environmental pollution.
 6. It swiftly tracks pressure changes and controls pressure fluctuation within ±0.01Mpa. Optimal power is
- utilized to accurately deliver the necessary air.



OIL FILTER

- 1. Utilizes high-density filter material that is enhanced with a nano-electroplating surface treatment.
- 2. The filter component boasts uniform pore dimensions, minimal filter resistance, substantial flux, robust impurity capture capacity, and an extended lifespan.
- 3. Exceptional filtration precision efficiently eliminates contaminants in lubricating oil, thereby extending the equipment's operational longevity



AIR FILTER

Embraces a design characterized by high dust retention capacity and low airflow resistance, capable of filtering minuscule stationary particles in the air. The dust elimination efficiency can achieve up to 99.5%, guaranteeing the system components' regular functionality and prolonging their lifespan.



AIR-OIL SEPARATOR CORE

The superior air-oil separation component and gas-liquid filter component are furnished with a cutting-edge three-stage air-oil separation system. This system maintains the oil content under 3ppm, guaranteeing the delivery of high-caliber compressed air.

RL Range.



AERIS RL Range.FIXED SPEED ROTARY SCREW AIR COMPRESSORS

Advanced High Efficiency Air End

Adopts industry-leading screw air end, high efficiency and low rotating speed. With the third generation tooth type of rotor, cutting-edge geometric design-stable, reliable, energy saving and long service life.

Flexible Coupling Direct Driven

Adopts direct connection structure without any loss, transmission efficiency is 100%, maintenance cost is low, disassembleis convenient, greatly save the downtime.Easy maintenance—air end maintenance only need to disassemble the air end, motor maintenance only need to disassemble motor, do not affect each other.

Intelligent Microcomputer Control System

"Employs a smart control system for completely automated operation. It monitors exhaust pressure, temperature, and other relevant data. By regulating the intake valve, it maintains the exhaust pressure within a predetermined range, ensuring a consistent pressure output."

Safe, Reliable and Efficient Motor

"Utilizes a distinct low-speed motor with a protection grade of IP55 and an insulation grade of F, making it suitable for challenging work environments. It boasts high balance precision and operates smoothly at high speeds."

Unique Heat Removal &Cooling System

Leveraging an innovative design, our product features a harmonica-style radiator that significantly expands the heat dissipation area. This allows for smoother and faster operation while efficiently removing the machine's heat. Compared to traditional coolers, our product's heat exchange efficiency is 30% higher in the same area. Remarkably, it ensures the unit's normal operation even in high-temperature conditions, such as those found in the African region.



Mzansi Air Compressors (Pty) Ltd.

FIXED SPEED SCREW AIR COMPRESSOR

- Advanced High Efficiency Air End
- Flexible Coupling and Direct Drive
- Intelligent Microcomputer Control System
- Safe, Reliable and Efficient Motor
- Unique Heat Removal & Cooling System



Fixed Speed Screw Air Compressor Specification 7.5kw-45kw

	M odel	RL-7.5	RL-11	RL-15	RL-18	RL-22	RL-30	RL-37	RL-45
Motor	Power(kw)	7.5	11	15	18.5	22	30	37	45
Size	Horsepower(hp)	10	15	20	25	30	40	50	60
		1.2/0.7	1.9/0.7	2.5/0.7	3.2/0.7	3.8/0.7	5.3/0.7	6.8/0.7	7.4/0.7
Air displace Operating p		1.1/0.8	1.7/0.8	2.3/0.8	3.0/0.8	3.6/0.8	5.0/0.8	6.2/0.8	7.0/0.8
(M³/Min./N		0.9/1.0	1.6/1.0	2.1/1.0	2.7/1.0	3.2/1.0	4.5/1.0	5.6/1.0	6.2/1.0
		0.8/1.2	1.4/1.2	1.9/1.2	2.4/1.2	2.7/1.2	4.0/1.2	5.0/1.2	5.6/1.2
Air outlet di	ameter	DN20	DN25	DN25	DN25	DN25	DN40	DN40	DN40
Oil volume ((L)	10	16	16	18	18	30	30	30
Noise level	dB(A)	60±2	62±2	62±2	64±2	64±2	66±2	66±2	66±2
Drive metho	od	Direct driven	Direct driver						
Start metho	d	Δ	Y-∆	Y-∆	Y-Δ	Y-∆	Y-∆	Y-∆	Y-∆
Weight (kg)		220	350	360	510	510	650	700	780
Length (mn	n)	900	1100	1100	1200	1200	1460	1460	1460
Width (mm)	·)	600	730	730	880	880	980	980	980
Height (mm)	800	980	980	1080	1080	1230	1230	1230

Fixed Speed Screw Air Compressor Specification 55kw-132kw

	M odel	RL-55	RL-75	RL-90	RL-110	RL-132
Motor	Power(kw)	55	75	90	110	132
Size	Horsepower(hp)	75	100	125	150	175
		10.0/0.7	13.4/0.7	16.2/0.7	21.0/0.7	24.5/0.
Air displacement Working pressu		9.2/0.8	12.6/.0.8	15.0/0.8	19.8/0.8	7
(M³/Min./MPa		8.5/1.0	11.2/1.0	13.8/1.0	17.4/1.0	23.2/0.
		7.6/1.2	10.0/1.2	12.3/1.2	14.8/1.2	8
Air outlet diameter		DN50	DN50	DN50	DN65	20.5/1.
Lubricating oil	volume (L)	65	65	72	90	0
Noise level dB(A)	68±2	68±2	70±2	70±2	17.4/1.
Driven method		Direct driven	Direct driven	Direct driven	Direct driven	直联DN65drive
Start method		Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y9 @
Weight (kg)		1250	1350	1950	2200	2592
Length (mm)		1750	1750	2450	2450	2450
Width (mm)		1280	1280	1660	1660	1660
Height (mm)		1590	1590	1700	1700	1700

RLV Range.



AERIS-PM RLV Range.PM VSD SCREW AIR COMPRESSOR

Intelligent Control System

Our product provides a direct display of key parameters such as discharge temperature and pressure, operating frequency, current, power, and operating state. It also features real-time monitoring capabilities, allowing for immediate tracking of discharge temperature and pressure, as well as any fluctuations in frequency. This ensures optimal performance and reliability at all times.

The Latest Generation High Efficiency Permanent Motor

Grade F insulation and IP55 protection make it appropriate for harsh working environments. With no gearbox design and a direct coupling between the motor and main rotor, there is high transmission efficiency. High precision, broad range of air flow regulation, and wide range of speed regulation. The permanent magnet motor has a constant efficiency that remains high even at lower speeds, ranging from 3% to 5% higher than that of a regular motor.

The Latest Generation Super Stable Inverter

Precision-Controlled Air Supply: Our system ensures a constant air supply pressure, meticulously regulated within ±0.01 MPa. Coupled with a steady temperature setting of 85°C, it optimizes oil lubrication and prevents shutdowns due to overheating.

Energy-Efficient Operation: Designed to operate without an empty load, our system slashes energy consumption by up to 45% and eradicates unperessary pressure buildup.

Optimized Performance: Be aware that increasing the air compressor pressure by just 0.1 MPa can lead to a 7% rise in energy usage. Our vector air supply system employs precise calculations to guarantee a consistent match between the air compressor's output and your system's air demand at all times.

Wide Working Frequency Range To Save Energy

Adaptive Frequency Conversion: Our system boasts a flexible frequency conversion range from 5% to 100%. This adaptability becomes particularly beneficial when dealing with significant fluctuations in gas usage, resulting in pronounced energy savings. Moreover, the system operates with reduced low-frequency noise, making it suitable for any environment.

Small Start-up Impact

Seamless Start-Up with Frequency Conversion: Our permanent magnet motor ensures a smooth and gentle start-up. The motor's start-up current never exceeds its rated current, safeguarding the power grid from disruption and minimizing mechanical wear on the main engine. This careful design significantly reduces power failures and extends the lifespan of the main screw machine.

Low Noise

Inverter Technology for Smooth Operation: Our inverter functions as a soft-start mechanism, ensuring minimal impact during start-up. This advanced feature significantly reduces noise levels, providing a quiet operational experience. Additionally, the Permanent Magnet Variable Speed Drive (PM VSD) compressor operates at a lower frequency compared to traditional fixed-speed compressors, resulting in a substantial decrease in mechanical noise during steady operation. Enjoy a serene and efficient performance with our cutting-edge compressor technology.



Mzansi Air Compressors (Pty) Ltd.

PM VSD SCREW AIR COMPRESSOR

- Intelligent Control System
- The Latest Generation High Efficiency Permanent Motor
- The Latest Generation Super Stable Inverter
- Wide Working Frequency Range To Save Energy
- Small Start-up Impact
- Low Noise



PM VSD Screw Air Compressor specification 7.5kw-45kw

	M odel	RLV-7.5	RLV-11	RLV-15	RLV-18	RLV-22	RLV-30	RLV-37	RLV-45
Motor	Power(kw)	7.5	11	15	18.5	22	30	37	45
Size	Horsepower(ps)	10	15	20	25	30	40	50	60
		1.2/0.7	1.9/0.7	2.5/0.7	3.2/0.7	3.8/0.7	5.3/0.7	6.8/0.7	7.4/0.7
Air displacen Working pres		1.1/0.8	1.7/0.8	2.3/0.8	3.0/0.8	3.6/0.8	5.0/0.8	6.2/0.8	7.0/0.8
(M ³ /Min./MI		0.9/1.0	1.6/1.0	2.1/1.0	2.7/1.0	3.2/1.0	4.5/1.0	5.6/1.0	6.2/1.0
		0.8/1.2	1.4/1.2	1.9/1.2	2.4/1.2	2.7/1.2	4.0/1.2	5.0/1.2	5.6/1.2
Air outlet dia	meter	DN20	DN25	DN25	DN25	DN25	DN40	DN40	DN40
Lubricating o	il volume (L)	10	16	16	18	18	30	30	30
Noise level d	B(A)	60±2	62±2	62±2	64±2	64±2	66±2	66±2	66±2
Driven metho	od	Direct driven							
Start method		PM VSD							
Weight (kg)		220	350	360	510	510	650	700	780
Length (mm)		900	1100	1100	1200	1200	1460	1460	1460
Width (mm)		680	730	730	880	880	980	980	980
Height (mm)		800	980	980	1080	1080	1230	1230	1230

PM VSD Screw Air Compressor Specification 55kw-132kw

	M odel	RLV-55	RLV-75	RLV-90	RLV-110	RLV-132
Motor	Power(kw)	55	75	90	110	132
Size	Horsepower(ps)	75	100	125	150	175
		10.0/0.7	13.4/0.7	16.2/0.7	21.0/0.7	24.5/0.
Air displacemen	nt/	9.2/0.8	12.6/.0.8	15.0/0.8	19.8/0.8	7
Working pressu	ire	8.5/1.0	11.2/1.0	13.8/1.0	17.4/1.0	23.2/0.
(M³/Min./MPa)	7.6/1.2	10.0/1.2	12.3/1.2	14.8/1.2	8
Air outlet diam	Air outlet diameter		DN50	DN50	DN65	20.5/1.
Lubricating oil	Lubricating oil volume (L)		65	72	90	0
Noise level dB(A)	68±2	68±2	70±2	70±2	17.4/1.
Driven method		Direct driven	Direct driven	Direct driven	Direct driven	直联心N&Bdriven
Start method		PM VSD	PM VSD	PM VSD	PM VSD	PM9 0 SD
Weight (kg)		1250	1350	1950	2200	2900
Length (mm)		1750	1750	2450	2450	2450
Width (mm)		1280	1280	1660	1660	1660
Height (mm)		1590	1590	1700	1700	1700

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TSV Range.



AERIS-PM TSV Range.

TWO-STAGE PM VSD AIR COMPRESSOR SERIES

FEATURES

Two-Stage Compression: Our advanced two-stage compression technology reduces the compression ratio for each stage, minimizing internal leakage

and enhancing volumetric efficiency. This results in reduced bearing load and an extended lifespan for the host.

(SD : Replacing single-stage compression, our two-stage PM VSD increases displacement by nearly 15%, yielding an additional

Two-Stage PM VSD : Replacing single-stage compression, our energy saving effect of 15%.

Patented Rotor UV Profile: Our rotors are designed with the latest patented rotor UV profile. Refined through more than 20 procedures, we ensure the

accuracy, reliability, and effectiveness of the rotor profile.

Energy Efficiency : The mainframe of our two-stage PM VSD air compressor is designed for maximum efficiency and energy savings. Compared

to ordinary industrial frequency machines, it can save up to 40% energy. Based on an operation time of 8000 hours per unit per year, this could result in annual electricity cost savings of up to 30,000 USD. Experience the power of efficiency

with our two-stage PM VSD air compressor.

ADVANTAGES

More Energy Efficient

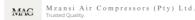
Experience the efficiency of our Two-Stage PM VSD Air Compressor. Engineered with a direct gear-driven rotor, it ensures optimal speed at each stage The air end operates consistently at the most energy-efficient speed, promising you significant savings.

Our compressor features a frequency conversion soft-start, designed to minimize energy consumption during startup. With controlled pressure between stages, the compressor maintains peak efficiency under varying work conditions.

When compared to a single-stage fixed speed air compressor, our two-stage PM VSD air compressor can potentially offer up to 40% energy savings. Upgrade to our Two-Stage PM VSD Air Compressor and experience the difference in energy efficiency and performance.

More Efficient

Discover the power of our PM VSD Motor. Designed for energy efficiency and superior performance, it's a game-changer in the industry. The integrated one-piece structure eliminates the efficiency loss commonly associated with coupling and gears. Experience the difference with our PM VSD Motor - where power meets efficiency, with no compromise.



TWO-STAGE PM VSD AIR COMPRESSOR SERIES

- Improved host lifetime
- Two-stage compression replaces single-stage compression
- Two-stage compression is more reliable and efficient
- Two-stage compression mainframe more efficient, more energy-saving

Two-stage PM VSD Air Compressor Series Specification 22kw-75kw



	M odel	TSV-22	TSV-37	TSV-45	TSV-55	TSV-75
Motor	Power(kw)	22	37	45	55	75
Size	Horsepower(ps)	30	50	60	75	100
		4.2/0.7	7.6/0.7	9.8/0.7	12.8/0.7	16.9/0.7
Air displacem	ent/	4.1/0.8	7.1/.0.8	9.7/0.8	12.5/0.8	16.5/0.8
Working press	sure	3.5/1.0	5.9/1.0	7.8/1.0	10.7/1.0	13.0/1.0
(M³/Min./MP	a)	3.2/1.3	5.4/1.3	6.5/1.3	8.6/1.3	11.0/1.3
Air outlet diar	neter	DN40	DN40	DN65	DN65	DN65
Lubricating oi	l volume (L)	18	30	30	65	65
Noise level dB	B(A)	70±2	72±2	72±2	74±2	74±2
Drive method		Direct driven				
Start method		PM VSD				
Weight (kg)		730	1080	1680	1780	1880
Length (mm)		1500	1900	1900	2450	2450
Width (mm)		1020	1260	1260	1660	1660
Height (mm)		1310	1600	1600	1700	1700

Two-stage PM VSD Air Compressor Series Specification 90kw-185kw

	M odel	TSV-90	TSV-110	TSV-132	TSV-160	TSV-185
Motor	Power(kw)	90	110	132	160	185
Size	Horsepower(ps)	125	150	175	220	250
		20.8/0.7	25.5/0.7	29.6/0.7	33.6/0.7	39.6/0.7
Air displacement/		19.8/0.8	24.6/.0.8	28.0/0.8	32.6/0.8	38.0/0.8
Working pres	sure	17.5/1.0	20.51.0	23.5/1.0	28.5/1.0	32.5/1.0
(M³/Min./MF	Pa)	14.3/1.3	17.6/1.3	19.8/1.3	23.8/1.3	27.6/1.3
Air outlet diameter		DN65	DN65	DN80	DN80	DN80
Lubricating oil volume (L)		120	120 76±2	120 76±2	140 78±2	140
Noise level di	B(A)	76±2				78±2
Driven metho	d	Direct driven				
Start method		PM VSD				
Weight (kg)		2800	3160	3280	3390	3590
Length (mm)		2450	3150	3150	3800	3800
Width (mm)		1660	1980	1980	1980	1980
Height (mm)		1700	2150	2150	2150	2150









No installation/power on & use with easy maintenance and adjustable pressure.

High Efficiency Copper Motor

Protection class IP55, insulation class f, continuous high strength operation design

Durable Body Design

3mm High-strength Low-alloy Steel, fully protected equipment components

Aluminium Alloy Plate Exchanger

Small air resistance, corrosion resistance, full heat transfer, reduce energy consumption by 35%

High Grade Inverter

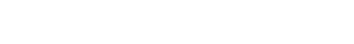
Experience the assurance of a top-tier brand with our products. As a globally recognized leader in the compressor industry, we are the preferred choice for high-end solutions. Trust in our brand strength as we continue to set the standard in quality and innovation.

High Efficiency Precision Filter

Effectively removes water and oil to protect laser cutting machine lens, reduced pressure differnce resulting in reduced energy costs.

Powerful Air-End

The design incorporates 2 x 4 bearings, which after implementation, transitions into an 8 bearing operation. This ensures stability and reliability. The result is a smoother cut and a more level section.



Standard High Efficiency Dryer

High Air quality, ensure pressure dew point, protect laser lens and knife head

16 Bar Air Supply

Can provide 16 Bar continuous constant pressure gas supply, eliminate loading and unloading pressure difference, improve work efficiency

Wide Voltage Design

Wide Voltage range to ensure continuous power supply

Water Auto Drainer

Reduce Dryer/filter load to ensure air quality



AERIS AI1 TYPE SCREW AIR COMPRESSOR

Our product features a unified design that is not only aesthetically pleasing but also minimizes the number of components and connectors, thereby reducing the risk of malfunction and leakage. It discharges dry compressed air directly, ensuring the highest quality of terminal gas for the user. This design significantly cuts down on installation costs and saves space.

The product comes with a modern modular design structure, compact in layout and ready for immediate installation and operation.

The unit has undergone rigorous testing, and the vibration value is significantly below the international standard, ensuring smooth operation.

The optimized pipeline design is integrated, reducing the length and number of pipelines. This decreases the chances of pipeline leakage and internal losses caused by the pipeline system.

The product incorporates a high-performance freeze dryer, a compact rotary refrigeration compressor, and a high cooling capacity configuration scheme. This ensures reliable operation even under high-temperature conditions.

AERIS AI1 Screw Air Compressor Specifications

١	M odel	DKS-7.5F	DKS-7.5V	DKS-11F	DKS-11V	DKS-15F	DKS-15V	DKS-15F	DKS-15V
	Power(kw)	7.5	7.5	11	11	15	15	15	15
Motor	Horsepower(ps)	10	10	10	15	20	20	20	20
Air		1.2/0.7	1.2/0.7	1.6/0.7	1.6/0.7	2.5/0.7	2.5/0.7		
displacement/ Working		1.1/0.8	1.1/0.8	1.5/0.8	1.5/0.8	2.3/0.8	2.3/0.8	4.574.6	4.5.4.6
pressure (M³/Min./MPa)		0.9/1.0	0.9/1.0	1.3/1.0	1.3/1.0	2.1/1.0	2.1/1.0	1.5/1.6	1.5/1.6
(0.8/1.2	0.8/1.2	1.1/1.2	1.1/1.2	1.9/1.2	1.9/1.2		
Air outlet diamet	er	DN25							
Lubricating oil vo	olume (L)	10	10	16	16	16	16	18	18
Noise level dB(A))	60±2	60±2	62±2	62±2	62±2	62±2	62±2	62±2
Driven method		Direct driven							
Start method		Y-∆	PM VSD	Υ-Δ	PM VSD	Y-∆	PM VSD	Y-∆	PM VSD
Weight (kg)		370	370	550	550	550	550	550	550
Length (mm)		1600	1600	1800	1800	1800	1800	1800	1800
Width (mm)		700	700	800	800	800	800	800	800
Height (mm)		1500	1500	1700	1700	1700	1700	1700	1700



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NOTE:

Mzansi Air Compressors (PTY) Ltd. has made every attempt to compile this brochure with all the relevant information provided to us by our suppliers.

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