

SAPM SERIES 7.5KW - 45KW VSD

PERMANENT MAGNET VSD

SCREW AIR COMPRESSOR SINGLE-STAGE

MAXIMUM EFFICIENCY. SUPERIOR ENERGY SAVINGS.

At Supa-Air, we understand that energy efficiency is key to reducing operating costs. Our Permanent Magnet VSD range combines PM motor technology with Variable Speed Drive intelligence – the future of energy-efficient compressed air, built for Africa.

35%

ENERGY SAVINGS
VS FIXED SPEED



WHY PM + VSD?

35%

ENERGY SAVINGS

VSD adjusts speed to match actual air demand - you only use the power you need, every shift.

SMARTER VARIABLE SPEED CONTROL

Automatically adjusts motor speed to match actual air demand - eliminating waste at every level of production.

ENERGY EFFICIENT PERFORMANCE

Cuts unnecessary power use, lowering electricity bills and lifetime operating costs significantly.

REDUCED COMPONENT STRESS

Smooth startups and fewer stop/start cycles extend the life of all key components

DESIGNED FOR AFRICAN CONDITIONS

18 years proven across Africa's harshest environments - heat, dust, demanding, duty cycles.

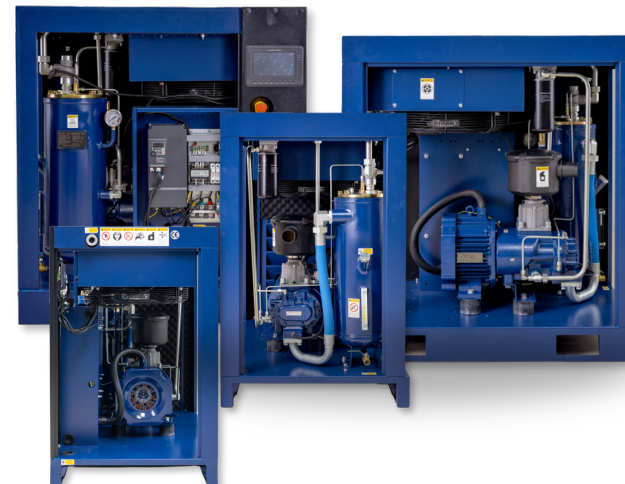
DECADES OF KNOW-HOW

48 years of collective expertise ensures every Supa-Air unit delivers peak performance.

PM VSD SCREW COMPRESSOR SPECIFICATIONS

SAPM-VSD Square Frame ZONC - Permanent Magnet VSD only | AC Air-Ends | All specs at rated working pressure

MODEL			0.7 MPA		0.8 MPA		1.0 MPA		1.3 MPA		DIMENSIONS (MM) L x W x H	OUTLET SIZE
	HP	KW	M ³ /MIN	CFM	M ³ /MIN	CFM	M ³ /MIN	CFM	M ³ /MIN	CFM		
SAPM-7.5VSD VSD	10HP	7.5kW	—	—	1.2	42.40	1	35.34	0.85	30.04	806×590×949	G3/4"
SAPM-15VSD VSD	20HP	15kW	—	—	2.3	81.27	2	70.67	1.7	60.07	1024×700×1030	G3/4"
SAPM-22VSD VSD	30HP	22kW	—	—	3.6	127.21	3.2	113.07	2.8	98.78	1140×780×1210	G1"
SAPM-37VSD VSD	50HP	37kW	—	—	6.2	219.1	5.6	197.9	4.6	159.0	1264×890×1300	G1 1/2"
SAPM-45VSD VSD	60HP	45kW	—	—	7.3	257.0	6.7	236.0	5.8	204.0	1264×890×1300	G1 1/2"



7.5 - 45kW

FULL VSD POWER RANGE

5 models covering workshops through to medium industrial operations - all with up to 35% energy savings over fixed-speed equivalents.

MINIMAL DOWNTIME. MAXIMUM SUPPORT.

● MINIMAL DOWNTIME. MAXIMUM SUPPORT.

Extensive spare parts stock nationwide - we're ready to serve customers countrywide, minimising downtime and keeping operations running.

● GROWING WITH CUSTOMERS

We've grown alongside our clients for 16 years, delivering excellent products and steadfast support every step of the way.

INDUSTRIES SERVED



WORKSHOP



AUTOMOTIVE



FOOD & BEVERAGE



MINING & HEAVY INDUSTRY



AGRICULTURAL



MEDICAL INDUSTRY



AIR ENDS / ROTOR



01

- Double Screw Technology - oversized rotors for better airflow at lower RPM.
- New Generation 5:6 Lobe Profile Rotors for high efficiency.
- German Air-End Technology
- SKF Bearings for balance and smooth operation.
- Cooler running, extended lifespan.

OIL / AIR COOLERS



02

- Oversized cooler design for improved heat control.
- Lower discharge temperature - higher air quality.
- Efficient cooling reduces fan use.

COMPUTER CONTROLLER (PLC)



03

- Adjusts output pressure 4-13 bar (model dependant)
- Built-in protection: phase faults, overheating, low oil, overload.
- Real-time display of hours, current, load status.

SUPA-46 COMPRESSOR OIL



04

- Reduces friction & Wear
- Meets DIN-50506 VDL Standard

OIL FILTER



05

- Model-specific lubrication - longer life
- Quality OEM filters
- Built to German specifications.

MOTORS



06

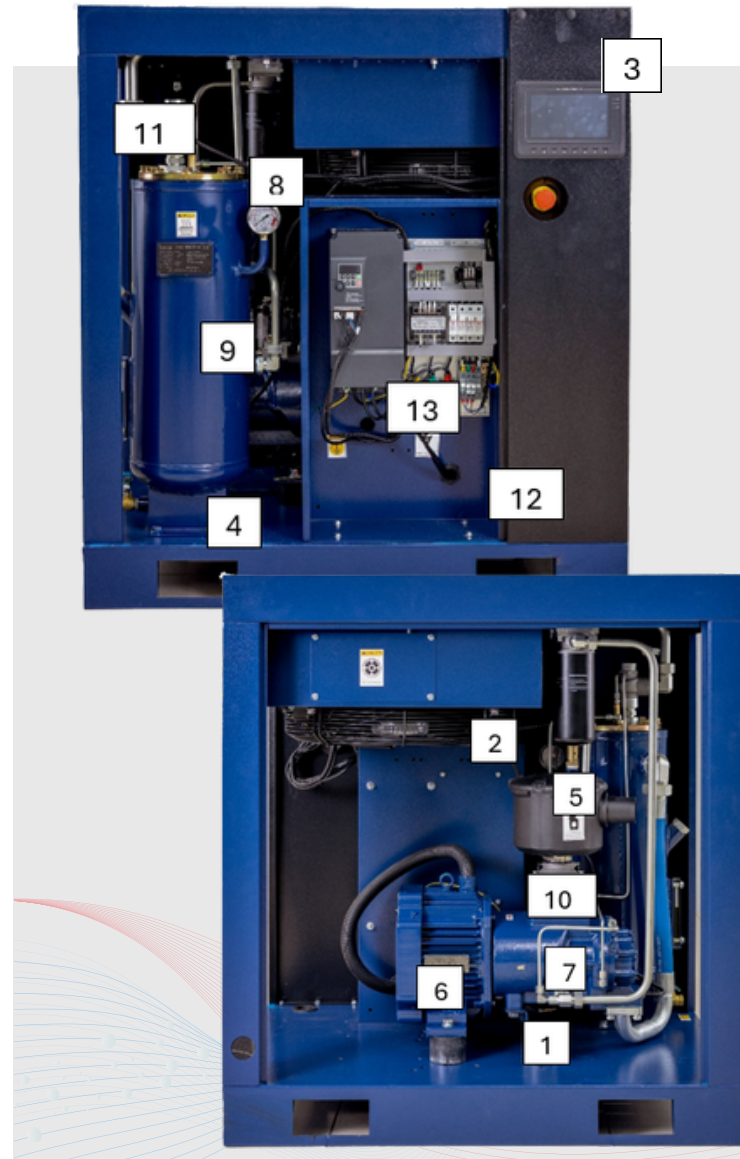
- Reliable 380V with IP23 Permanent Motor
- Motor kW/HP matched to each Air-End

AIR INLET VALVE



07

- New reliable design - fewer moving parts
- Smooth suction valve - reduces bearing shock.
- Modulation control - units above 55kW



OIL / AIR SEPARATOR



08

- Large separator vessel with baffle plates.
- Efficient pre-separation - residual oil to ~3ppm.
- SANS 347 compliant - ASME Certified.

RECEIVER / SEPARATOR VESSEL



09

- Receiver/Separator Vessel - SANS 347 compliant.

AIR FILTERS



10

- High-Efficiency Inlet Filters
- Positioned at Highest Points
- Advanced Filtration Technology - blocks contaminants.

MINIMUM PRESSURE VALVES



11

- Quality Minimum Pressure Valve - keeps system pressure stable.
- Minimal pressure loss for consistent performance.

SWITCH GEAR & ELECTRICAL COMPONENTS



12

- Top international brand (ABB, Siemens and Inovance) used across Models.
- High Quality VSD's and Star/Delta starting systems.

VSD DRIVE



13

- High quality VSD Drives
- South African backup on all drives

OEM-OWNED | OEM-PROUD

OUR PROMISE AS THE OEM.

Every Supa-Air compressor, from 7.5kW to 45kW,
is designed, built, and backed by us.



CONTACT US.

We stand behind our products with conviction and
provide unmatched support to ensure your
success.

DIRECT CONTACTS

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GAUTENG | CAPE TOWN | DURBAN

