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# Solo**Power**

VARIABLE SPEED

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# SoloPower

THE SOLOPOWER SERIES SETS A NEW STANDARD IN EFFICIENT, FLEXIBLE, AND COMPACT INDUSTRIAL SCREW COMPRESSORS. WITH A VERTICALLY MOUNTED MOTOR AND AIR END, P A DIRECT 1:1 COAXIAL DRIVE, SOLOPOWER REDUCES TRANSMISSION LOSSES WHILE IMPROVING RELIABILITY AND SAVING SPACE. ITS LOW FOOTPRINT FURTHER OPTIMIZES SPACE EFFICIENCY MAKING IT THE IDEAL CHOICE FOR ENVIRONMENTS WHERE MINIMIZING SIZE IS CRUCIAL WITHOUT SACRIFICING PERFORMANCE.

- Power range: **18,5 – 45 kW**
- Variable speed with HDPM permanent magnet motor
- Vertical arrangement
- The best air outflow rates and specific powers on the market
- Made in Europe

**APPLICATIONS:** ideal for applications where efficient, reliable, and continuous compressed air supply is required, especially with varying air demand.





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# Why Solo**Power**?

## **HIGH EFFICIENCY AND ENERGY SAVINGS**

The high power density HDPM electric motors, with efficiency class IE5, offer outstanding efficiency in extremely compact dimensions and very low operating temperatures.

## **DIGITAL CONTROL**

Touch screen controller for full compressor management and multi-unit control.

## **QUIET OPERATION**

HDPM motors reduce heat loss, extending bearing life and cutting maintenance.

## **COMPACT AND VERTICAL DESIGN**

The motor and air-end system are mounted vertically to save space. Careful positioning of all components reduces both the machine's footprint and the total space required, including maintenance access.

## **SIMPLIFIED MAINTENANCE**

Vertical air end design ensures maximum efficiency and reliability.

## **REMOTE MONITORING AND PREVENTIVE MAINTENANCE**

Vertical air end design ensures maximum efficiency and reliability.





### THERMOSTATIC VALVE

It controls the oil flow by preventing sudden temperature changes and prevents condensation inside the lubrication circuit.

### PRE-FILTERING PANEL

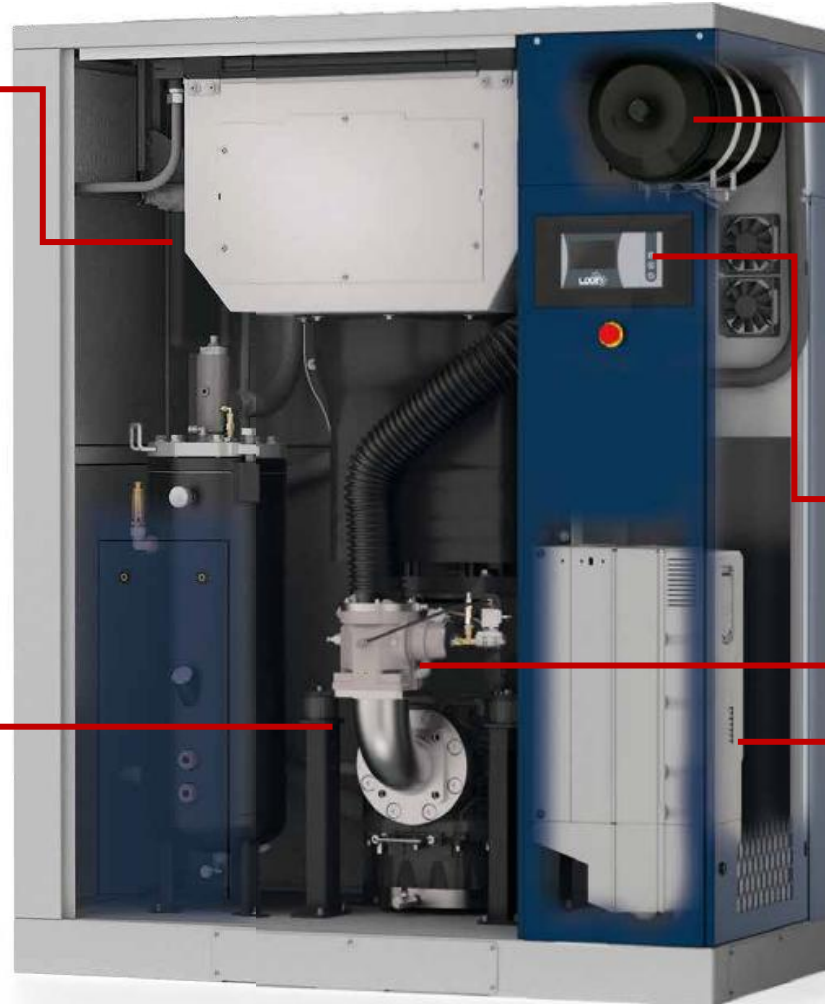
The ventilation circuit is completed by a pre-filtering panel that separates incoming dust, protecting internal components for a longer service life.

### DIRECT COAXIAL 1:1 TRANSMISSION WITH VERTICAL SET-UP

No losses, maximum efficiency. The SoloPower series is equipped with HDPM permanent magnet motors with unique characteristics, air-cooled and characterised by high power density (High Density Permanent Magnet).

### MINIMUM PRESSURE VALVE

It guarantees reduced pressure losses and reduces energy consumption.



### AIR FILTER

Industrial and efficient air filter. Easily accessible and simple to replace element.

### CONTROLLER

The SoloPower compressors are controlled by a simple, intuitive, powerful, and flexible controller. Designed for remote operation and management of multiple compressors. Built for Industry 4.0.

### AIR INTAKE

Guarantees maximum performance, low noise levels, and optimum reliability.

### FREQUENCY INVERTER

Combined with HDPM permanent magnet motors, it ensures operational stability, maximum efficiency, and a long service life..



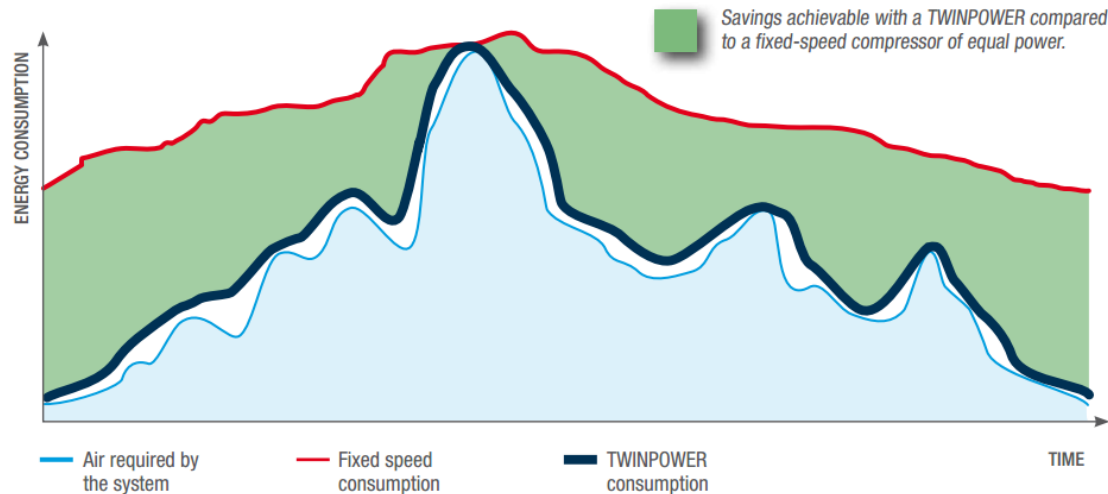
# Design of **air-end**

THE DESIGN OF THE AIR END AND THE VERTICALLY MOUNTED HDPM MOTORS GIVES THE COMPRESSORS IN THE SOLOPOWER SERIES A PREVIOUSLY UNHEARD-OF LEVEL OF EFFICIENCY.

The SoloPower serie offer a control range from 100% down to just 6.5% of the volumetric flow rate, thereby virtually eliminating no-load time, saving energy and minimising component wear.

HDPM motors offer previously unmatched efficiency levels and minimal heat loss. This results in a long bearing life and extended maintenance intervals.

FOR **MAXIMUM EFFICIENCY** IN EVERY APPPLICATION





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# Technical **specification**

MODEL	MOTOR		FAD (L/MIN)		MAX. PRESSURE	SOUND LEVEL	CONNECTION	WEIGHT	DIMENSIONS
	KW	HP	MIN.	AT MAX. PRESSURE	BAR	DB(A)	AANSL.	KG	MM
SOLOPOWER 25	18.5	25	400	3830	10	65	1"1/4	710	1500×750×1920
SOLOPOWER 30	22	30	400	4520	10	66	1"1/4	710	1500×750×1920
SOLOPOWER 35	26	35	400	4950	10	66	1"1/4	710	1500×750×1920
SOLOPOWER 40	30	40	1120	5480	10	72	1"1/2	880	1550×820×1970
SOLOPOWER 50	37	50	1120	7200	10	72	1"1/2	880	1550×820×1970
SOLOPOWER 60	45	60	1120	8800	10	73	1"1/2	880	1550×820×1970