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# Twin**Power**

VARIABLE SPEED

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# TwinPower

THE TWINPOWER ARE EQUIPPED WITH TWO COMPRESSOR SYSTEMS INTEGRATED INTO A SINGLE CASING. THIS INNOVATIVE SOLUTION ENHANCES OPERATIONAL FLEXIBILITY, ENSURING OPTIMAL PERFORMANCE EVEN UNDER HIGHLY VARIABLE CONDITIONS.

- Power range: **55 – 90 kW**
- Variable speed with HDPM permanent magnet motor
- Made in Europe

**APPLICATIONS:** perfect for environments needing compact, efficient, and quiet machines, such as production lines and manufacturing facilities with high compressed air demands.





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# Why TwinPower?

## UNIQUE DESIGN

Performance achievable with two compressors in a single housing – saving space and reducing maintenance requirements.

## ENERGY EFFICIENCY

Reduces energy costs, which can account for over 80% of lifecycle expenses.

## FLEXIBILITY

TwinPower models offer control from 100% down to 6.5% of flow, reducing idle time and energy waste.

## LONGER LIFESPAN

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

## HIGH PERFORMANCE

Vertical air end design ensures maximum efficiency and reliability.

## COMPACT AND VERTICAL DESIGN

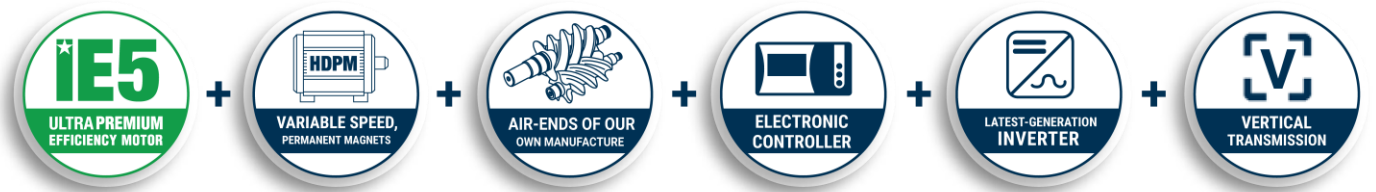
The motor and air-end system are mounted vertically to save space. Careful positioning of all components reduces both the machine's footprint and the total space required, including maintenance access.

## 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.





## VENTILATION

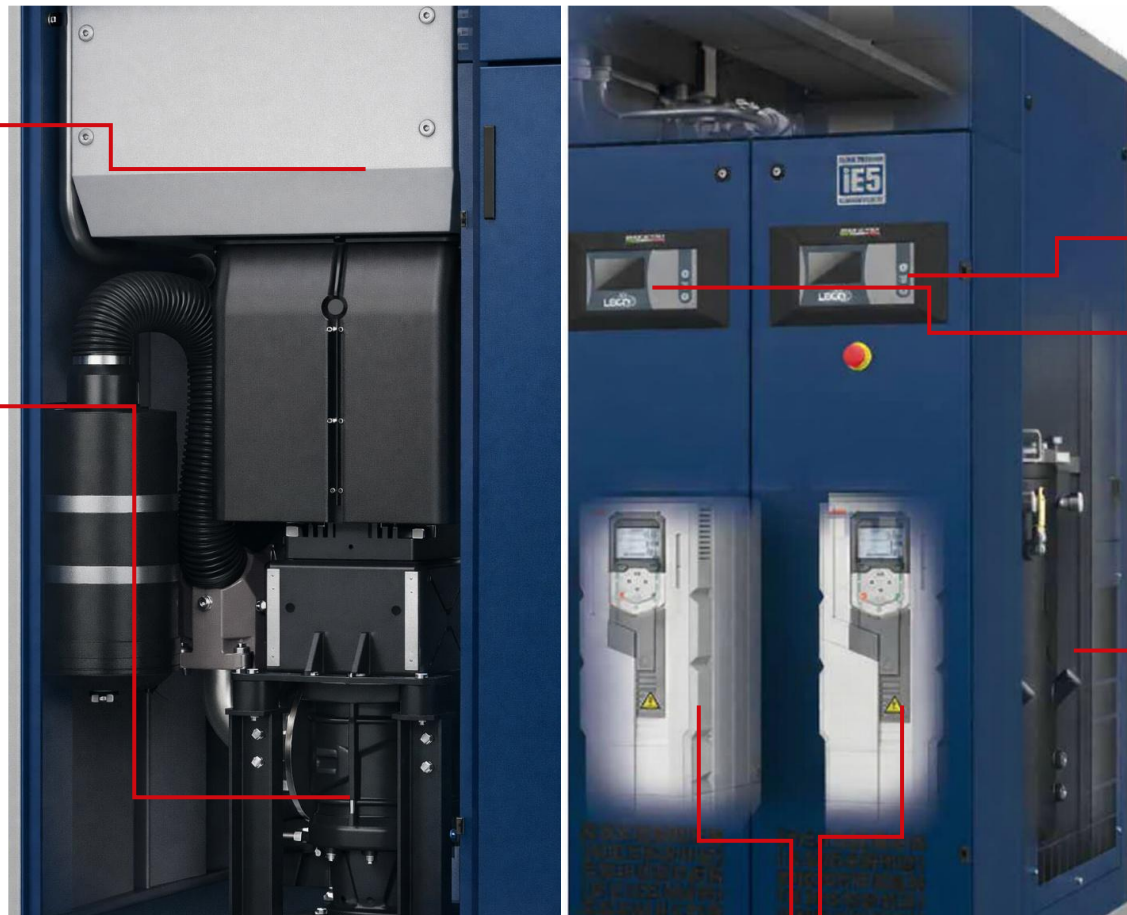
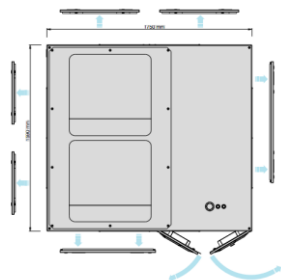
Extremely quiet operation thanks to inverter-controlled radial ventilation, regulated based on the operating temperature. The inverter is integrated into the fan motor across the entire TWIN range. Airflow range coverage of 6.5% -100%,

## TWO MOTOR-AIR END SYSTEMS WITH VERTICAL ARRANGEMENT

The technical choice of two coupled compressor systems enables a previously unreachable control range: Airflow range coverage of 6.5% -100%.

## MAINTENANCE SAVINGS

The wide control range of the compressor allows only one of the two compressors to be active when the situation permits. The ISC function ensures that the operating hours of both machines are balanced, extending maintenance intervals and reducing costs. Airflow range coverage of 6.5% -100%



## TWO CONTROLLERS

The TWINPOWER compressors are controlled by two electronic controllers, independently regulated but interconnected in "ISC" mode (Internal Sequencing of Compressors). In this mode, they manage the sequence and rotation of the two systems based on adjustable parameters, depending on the compressed air demand.

## TWO SEPARATOR TANKS

The circuits of each system are independent but connected through sequential control via the controllers.

## TWO STATE-OF-THE-ART INVERTERS

The inverters are controlled via Modbus and monitored by the electronic controllers, enabling extremely precise pressure control.



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# Advanced control **with Login Controller**

## **INTELLIGENT CONTROL**

All of UltraPower' functions are entirely managed by the centralised Login electronic controller, which constantly monitors the compressors operation ensuring efficient and reliable operation of the machine in all conditions with customized functions to suit any application.

## **ALWAYS CONNECTED**

During an irregular event within the machine, Login reports the presence of such and incident by creating an alert for the user, allowing for prompt operator intervention. The integrated connectivity with remote monitoring (optional), makes it possible to obtain complete information on the compressor status remotely.

## **COMPRESSOR ROTATION MANAGEMENT**

Thanks to the "ISC" system it is possible to simultaneously connect up to 8 different compressors (fixed and/or variable speed combinations), with "master-slave" logic.



EXCLUSIVE DESIGN

MEMORY CARD SLOT

MULTILANGUAGE  
MANAGEMENT

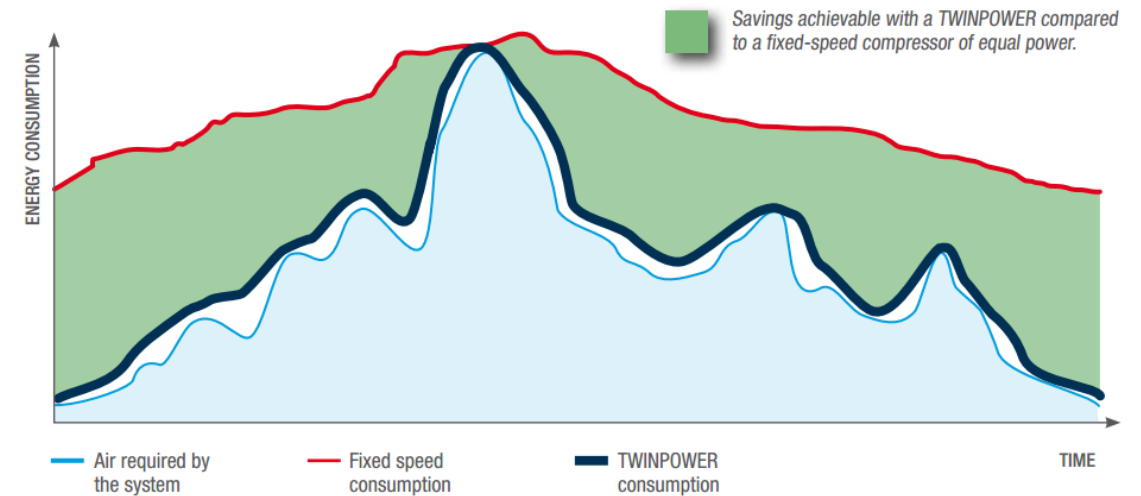
REMOTE CONTROL

MULTICOLOR DISPLAY



# For **maximum efficiency** in every application

- Production of compressed air according to system demand, achieved by regulating the motor speed from 6.5% to 100% of the maximum speed.
- High stability of operating pressure, allowing for operation at lower pressure levels, resulting in energy savings.
- Optimal cooling of the compressor thanks to efficient and powerful inverter-controlled radial fans.
- Proven and highly reliable design.
- Attention to detail, with a maximum focus on quiet operation and reliability.
- The best air delivery and the lowest specific power on the market.





# Technical **specification**

CODE	MODEL	MOTOR		FAD (L/MIN)		MAX. PRESSURE	SOUND LEVEL	CONNECTION	WEIGHT	DIMENSIONS
		KW	HP	MIN.	AT MAX. PRESSURE	BAR	DB(A)	AANSL.	KG	MM
36475TP	TWINPOWER 75	55	75	1120	9400	10	72	1½"	1600	1750x1590x1970
364100TP	TWINPOWER 100	75	100	1120	12800	10	74	1½"	1760	1750x1590x1970
364120TP	TWINPOWER 120	90	125	1120	15480	10	74	1½"	1760	1750x1590x1970

Reference conditions: air intake temperature 20°C (68°F) – atmospheric pressure 1 bar (14.5 p.s.i.).

Air flow was measured in the following operative pressures: 6.5 bar for models at 7 bar - 7.5 bar for models at 8 bar - 9.5 bar for models at 10 bar.

The data and results were measured in accordance with standard ISO 1217.

The sound level was measured in accordance with ISO 2151, with a tolerance of ± 3 dB(A).