

INDUSTRIAL SERIES

KLE PLUS 15-55 kW VSD
ROTARY SCREW COMPRESSORS
VARIABLE SPEED DRIVE

DIRECT
COUPLING



venti
COMPRESSORS

Venti's KLE Plus is an industrial range of direct-drive, inverter compressors offering exceptional reliability, compact design, energy efficiency, and quiet operation under all conditions.

Featuring direct transmission, advanced separation tanks, and high-efficiency motors, the KLE Plus delivers significant advantages, including:

- Simplified operation and management
- Exceptional reliability
- Energy savings
- Ultra-quiet performance
- Reduced maintenance costs

With intelligent technology, the KLE Plus minimises energy costs by adjusting the motor's RPM, and the airend speed, to match the precise air demand of your operations, all while maintaining a consistent air pressure.



KLE PLUS SERIES

CHARACTERISTICS

- Pack Smart V90-V110-V130-V150
- K-tronic 100 touchscreen controller (optional)
- High performance electric motor: premium efficiency
- Variable speed drive motor control
- High efficiency, low-noise cooling fan
- Direct-driven
- Easy access for quick maintenance
- Oil resistant soundproof panels
- Oversized air-oil heat exchanger
- Aftercooler condense separator (37-45-55 kW)

COUPLING TRANSMISSION SYSTEM

The KLE Plus series features direct-driven compressors with a 1:1 ratio, ensuring the airend and motor are directly connected via an elastic joint.

This innovative design allows both units to rotate at the same speed, delivering significant benefits including: lower energy consumption, reduced maintenance costs, and quieter operation.

Equipped with high-efficiency motors, the KLE Plus series outperforms traditional belt-driven compressors, providing superior energy savings and operational efficiency.



INTEGRATED COMPACT AIRENDS

Our airends are engineered for efficiency and durability, delivering optimal airflow with minimal energy use. Built with high-quality bearings, they ensure ultra-quiet operation and low maintenance costs, maximising performance and reliability.

This compact and highly efficient pumping system includes the following components:

- Oil-injected airend
- Minimum pressure valve
- Thermostatic valve
- Intake valve
- Separator tank



PACK SMART V90C - V110C



PACK SMART V130C - V150C

BENEFITS OF SPEED CONTROL

Speed control allows for precise detection of working pressure and motor speed, ensuring the optimal flow rate based on actual air demand, which results in significant energy savings.

Electronic Controller

The user-friendly KTronic 100 touch screen panel provides full access to all functions, parameter settings, and diagnostics, helping to boost the compressor's efficiency.



MOTOR CONTROL WITH INVERTER

ENERGY SAVINGS: VSD VS FIXED SPEED UNIT (LOAD-UNLOAD) COMPARISON

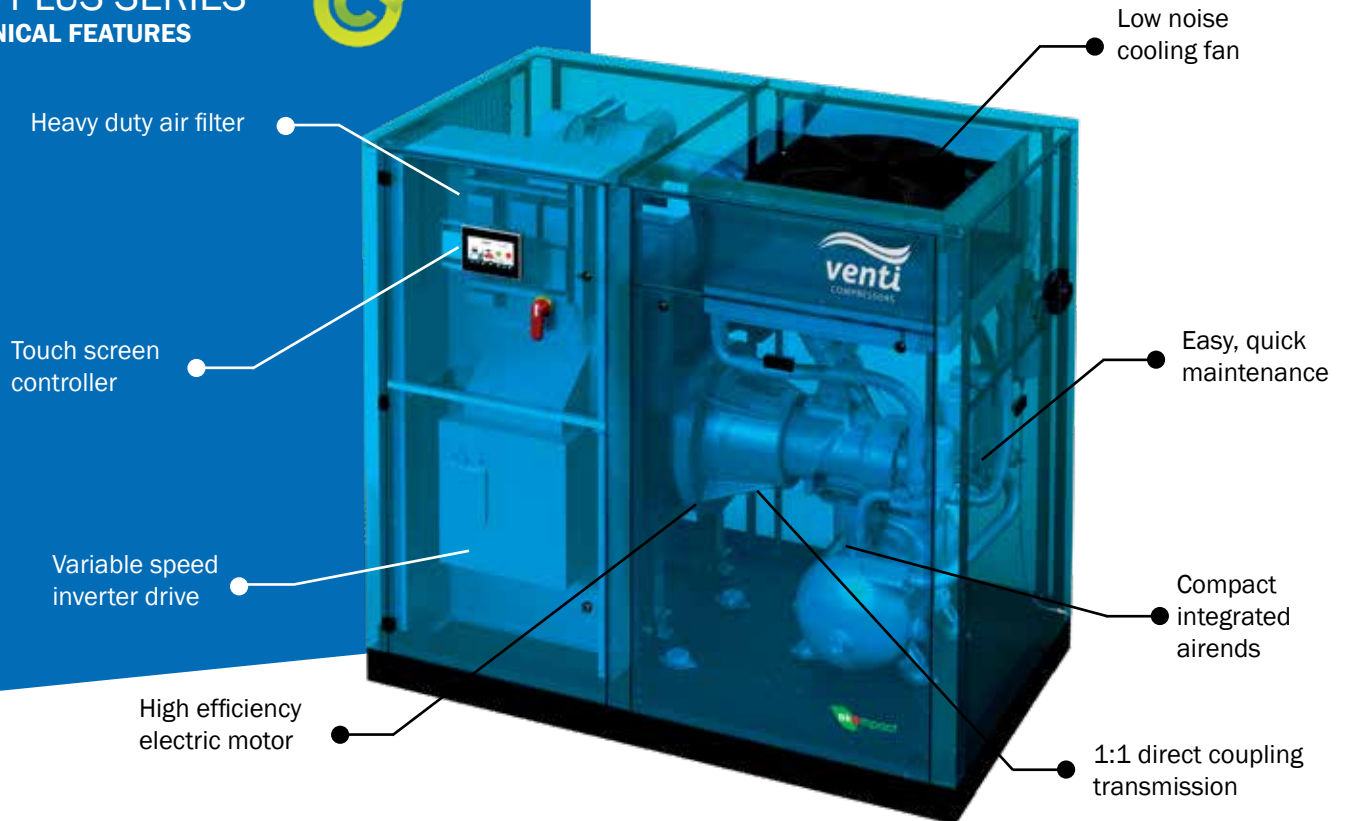
Venti's Industrial Series of VSD compressors delivers exceptional flexibility and efficiency in responding to variations in air demand.

Compared to traditional fixed speed (on/off) compressors, variable speed units offer greater flexibility, reduced energy consumption, and less mechanical stress.

They meet the required air demand by continuously adjusting the electric motor's speed through an inverter. VSD units can also enter standby mode when the inverter reaches its lowest rotation speed.

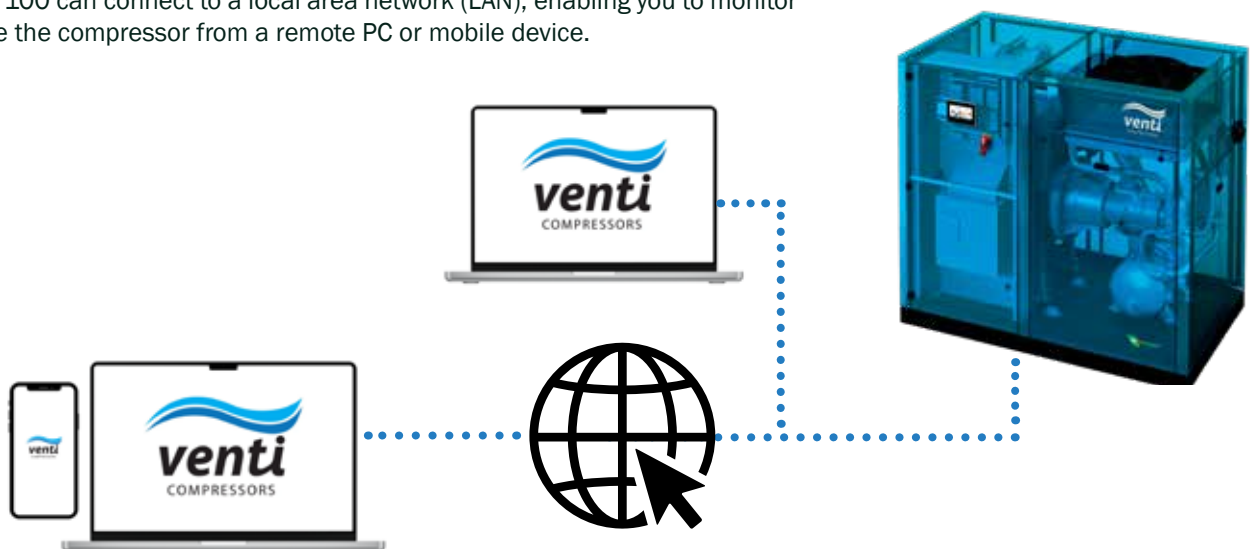
An electronic controller constantly monitors real airflow and pressure values to ensure the pre-set targets are met.

KLE PLUS SERIES TECHNICAL FEATURES



REMOTE CONTROL & CONNECTIVITY AT YOUR FINGERTIPS

The KTronic 100 can connect to a local area network (LAN), enabling you to monitor and manage the compressor from a remote PC or mobile device.



FINAL CONDENSE SEPARATOR

Our Venti KLE Plus series includes an integrated aftercooler condense separator on 37-45-55 kW models.



AIR - OIL COOLERS

Venti compressors' air-oil coolers are equipped with an expanded heat exchange surface, ensuring efficient temperature control for both oil and air.

Designed for reliable performance in extreme conditions, they maintain optimal operating temperatures even in ambient environments up to 45°C.

This advanced cooling boosts system efficiency, minimises wear, and extends equipment lifespan.



HOT WATER AT NO COST

Water-oil heat exchangers are designed to capture and reuse the excess heat generated by your compressed air system during the air compression process.

Air compressors, especially larger industrial models, can produce significant heat as a byproduct of compressing air, and without a heat recovery system, this energy is typically wasted.

By capturing the waste heat from your compressed air system and redirecting it to other areas of your business, a water-oil heat exchanger can help offset energy consumption in these areas.

This could include heating water or air on site, channelling the heat into other areas of your production process, using it as part of the heating of your business space or for hot air blasts.

Save up to

85% for usable heating

By installing a water-oil heat exchanger, you could save up to 85 percent of the heat generated by your compressed air system.

Hot water up to

70°C

A heat exchanger system allows you to produce hot water up to 70°C from reusable compressor heat.



“Exceptional reliability, compact design, energy efficiency, and quiet operation.”















ORIGINAL SPARE PARTS

Choose genuine spare parts to ensure optimal performance, reliability, and a longer lifespan for your Venti compressor.



INDUSTRIAL SERIES

CODE	MODEL	POWER	SCREW	PRESSURE	MIN AIR	MAX AIR	NOISE L.	VOLTAGE	CONNECTION	DIMENSIONS	WEIGHT
											
		kW		psi	C.F.M	C.F.M	dB[A]	Vol/Ph/Hz	BSP	L x W x H (mm)	kg
KLE Plus 15÷55 VSD grounded											
131071342	KLE 15 PLUS	15	V90	116	14.5	82.3	65	400/50/3	3/4" Gas	1380x680x1200	373
131072342				145	13.8	70.6					
131731342				188	18.7	56.5					
131081342C	KLE 18 PLUS	18.5	V110C	116	24.7	103.1	66	400/50/3	1-1/4" Gas	1660x760x1420	556
131082342C				145	37.1	90.4					
131083342C				188	39.9	78.7					
131091342C	KLE 22 PLUS	22	V110C	116	33.2	123.6	66	400/50/3	1-1/4" Gas	1660x760x1420	601
131092342C				145	33.2	105.9					
131093342C				188	40.5	85.5					
131101342C	KLE 30 PLUS	30	V110C	116	33.2	166.3	66	400/50/3	1-1/4" Gas	1660x760x1420	657
131102342C				145	33.2	143.4					
131103342C				188	37.1	119.0					
131111342	KLE 37 PLUS	37	V130	116	49.4	224.9	68	400/50/3	1-1/2" Gas	1940x1070x1800	984
131112342				145	67.1	198.1					
131113342				188	74.2	168.4					
131121342	KLE 45 PLUS	45	V130	116	49.4	264.8	69	400/50/3	1-1/2" Gas	1940x1070x1800	1057
131122342				145	78.0	236.6					
131123342				188	77.3	204.8					
131131342	KLE 55 PLUS	55	V150	116	60.0	317.8	70	400/50/3	1-1/2" Gas	1940x1070x1800	1215
131132342				145	58.3	282.5					
131133342				188	81.6	229.5					

* Performance measured according to ISO1217, annex C, latest edition.

** Noise level measured according to ISO 2151.



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