

# PROFESSIONAL SERIES

KME VSD 7-15 kW  
ROTARY SCREW COMPRESSORS  
VARIABLE SPEED DRIVE

DIRECT  
COUPLING

KME VSD 15 500



  
**venti**  
COMPRESSORS

Venti's KME VSD is a professional series of heavy duty workshop compressors engineered for reliability and performance. They offer exceptional energy efficiency, a compact design, and quiet operations across a wide range of working conditions.

The 1:1 direct-drive design connects the airend and motor via an elastic coupling, reducing energy consumption, maintenance costs, and noise.

With a compact footprint, easy installation, and preassembled dryers and tanks, these compressors offer space-saving benefits, eliminate the need for additional installation work, and prevent air leaks, providing significant cost savings.



## KME VSD SERIES

### CHARACTERISTICS

- Electronic controller K-Tronic 10
- Latest generation electric motor
- Frequency inverter
- High efficiency and low noise cooling electric fan
- Direct drive 1:1 white elastic coupling element
- Pack Smart V76C - V90C
- Complete range with four modular configurations

## INTEGRATED COMPACT AIREND

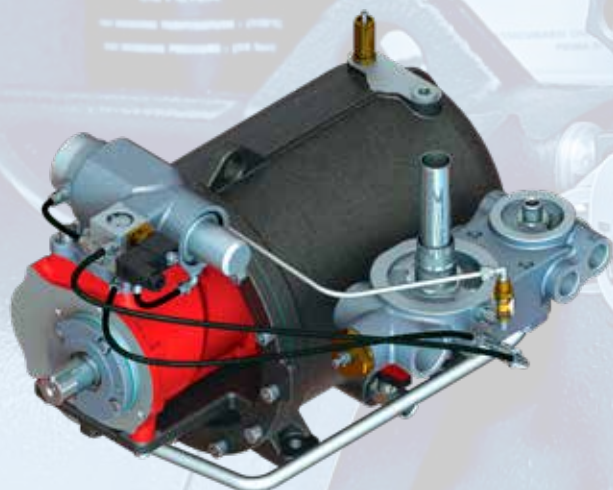
The compact and highly efficient pumping system includes the following components:

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

## MODULAR RANGE

With its exceptional versatility, the KME VSD series offers four distinct models to suit your needs:

- grounded - compressor only
- with refrigeration dryer - compressor and dryer
- tank mounted - tank options: 270/500 L, according to size
- full feature - compressor, receiver, dryer and filters



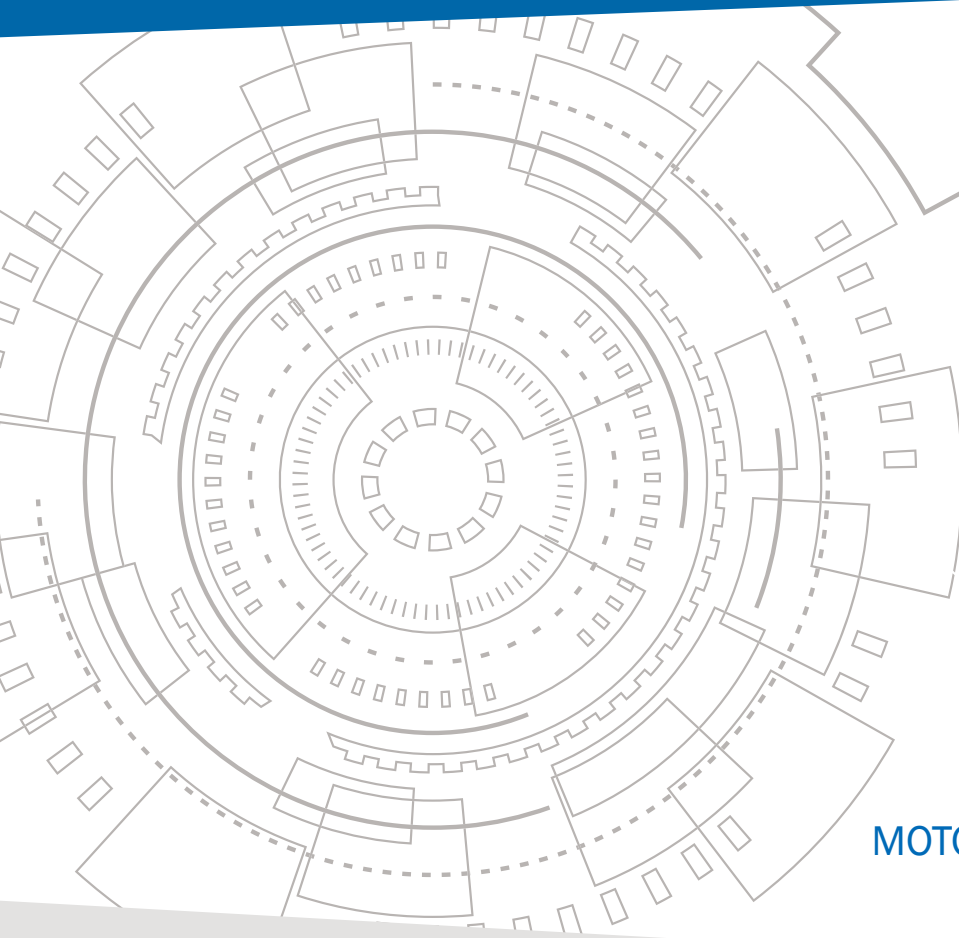
PACK SMART V90C

## ELECTRONIC CONTROLLER

The user-friendly electronic controller, powered by a microprocessor, efficiently manages all compressor functions.

It monitors safety alarms (oil temperature, motor, cooling fan, and maintenance warnings), allows setup of key parameters (times, pressures, and data entry), and enables remote control functions.

Additional features include automatic restart after a power blackout and communication capabilities with external devices, such as programmable logic controller (PLCs).



## MOTOR CONTROL WITH INVERTER

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

Venti's Professional 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.

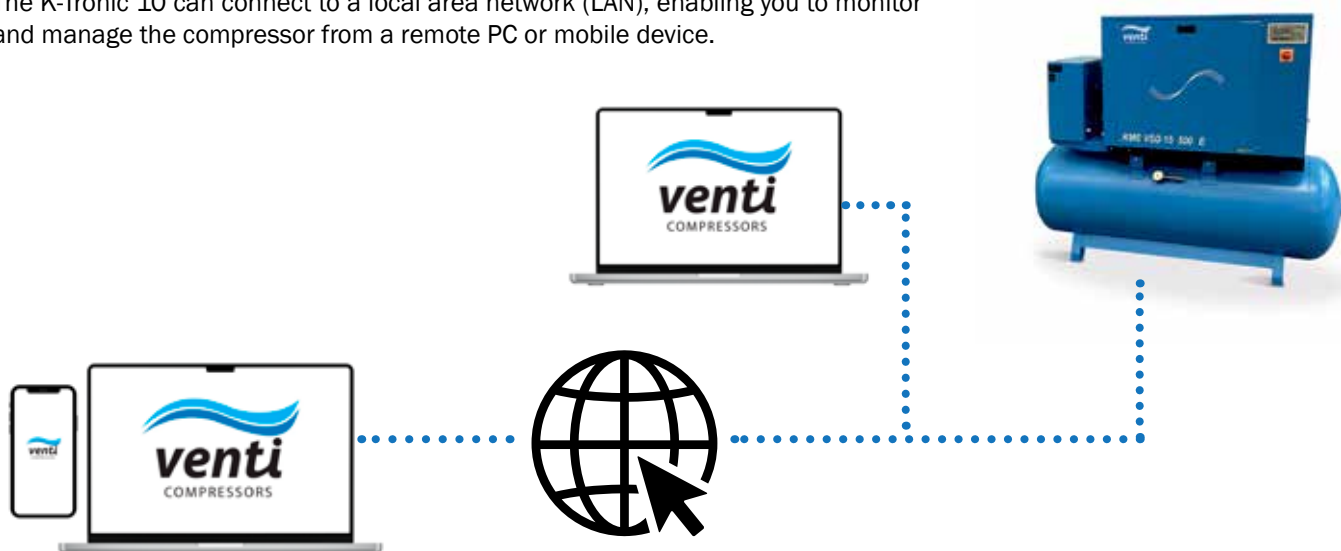
An electronic controller constantly monitors real airflow and pressure values to ensure the pre-set targets are met.



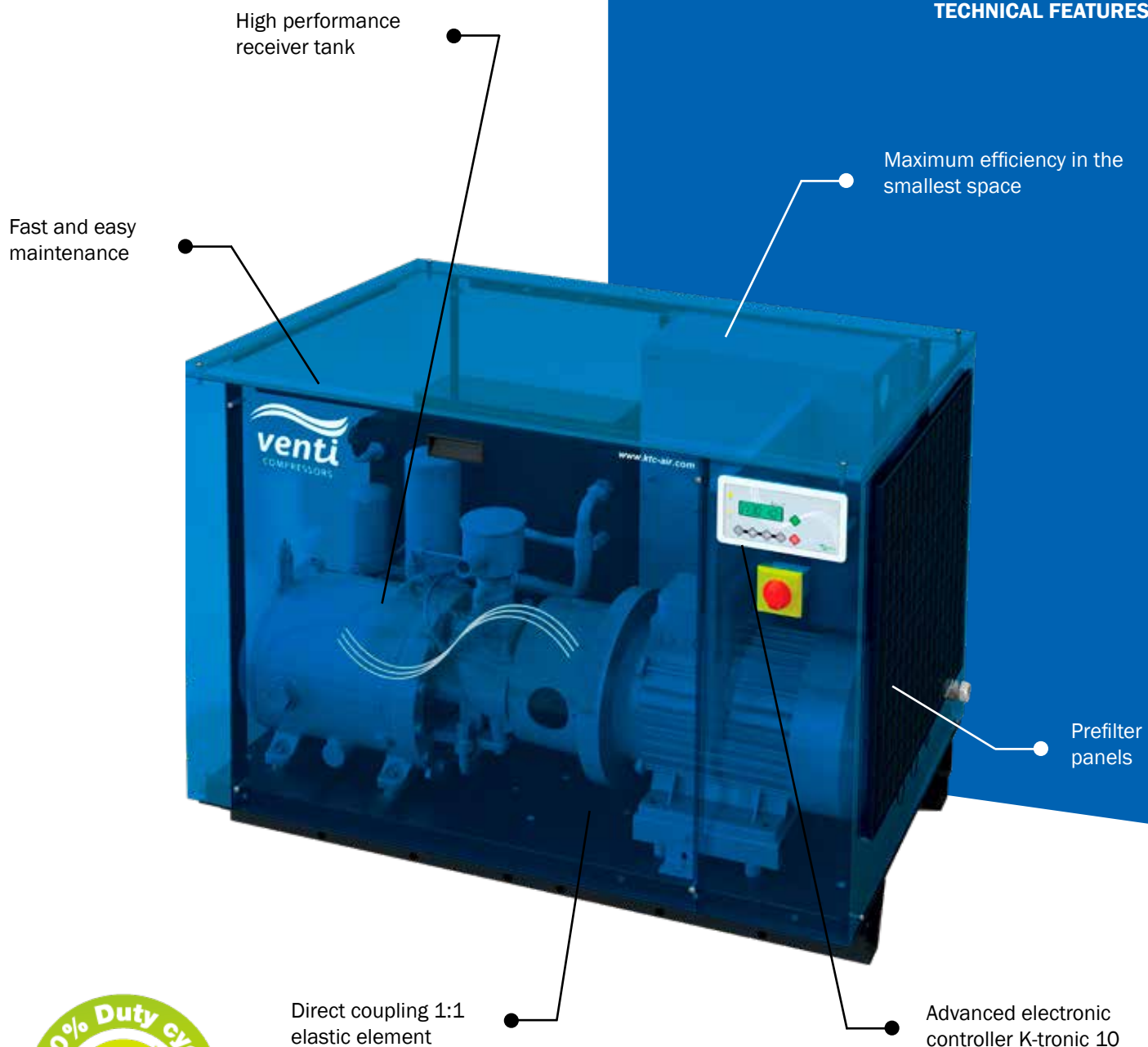


## REMOTE CONTROL & CONNECTIVITY AT YOUR FINGERTIPS

The K-Tronic 10 can connect to a local area network (LAN), enabling you to monitor and manage the compressor from a remote PC or mobile device.



## KME VSD SERIES TECHNICAL FEATURES














## ORIGINAL SPARE PARTS

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















# PROFESSIONAL SERIES

| CODE  | MODEL   | POWER   | SCREW   | PRESSURE  | MAX AIR   | MIN 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  |
| KME 7÷15 VSD grounded   |   |   |   |   |   |  |   |   |   |   |   |
| 171051001C-01B  | KME 7 VSD   | 7.5   | V75C  | 116   | 13.1  | 42.9   | 69  | 400/50/3  | 1/2 Gas   | 890x660x650   | 155.5   |
| 171052001C-01B  |   |   |   | 145   | 12.4  | 37.1   |   |   |   |   |   |
| 171053001C-01B  |   |   |   | 188   | 14.1  | 29.3   |   |   |   |   |   |
| 171071001-01B   | KME 15 VSD  | 15  | V90   | 116   | 14.5  | 82.3   | 71  | 400/50/3  | 3/4 Gas   | 1140x780x820  | 227   |
| 171072001-01B   |   |   |   | 145   | 13.8  | 70.6   |   |   |   |   |   |
| 171073001-01B   |   |   |   | 188   | 18.7  | 56.5   |   |   |   |   |   |
| KME 7÷15 VSD grounded with dryer  |   |   |   |   |   |  |   |   |   |   |   |
| 171051002C-01B  | KME 7 VSD E   | 7.5   | V75C  | 116   | 13.1  | 42.9   | 69  | 400/50/3  | 1/2 Gas   | 1270x660x650  | 187   |
| 171052002C-01B  |   |   |   | 145   | 12.4  | 37.1   |   |   |   |   |   |
| 171053002C-01B  |   |   |   | 188   | 14.1  | 29.3   |   |   |   |   |   |
| 171071002-01B   | KME 15 VSD E  | 15  | V90C  | 116   | 14.5  | 82.3   | 71  | 400/50/3  | 3/4 Gas   | 1480x780x820  | 262.5   |
| 171072002-01B   |   |   |   | 145   | 13.8  | 70.6   |   |   |   |   |   |
| 171073002-01B   |   |   |   | 188   | 18.7  | 56.5   |   |   |   |   |   |

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

\*\* Noise level measured according to ISO 2151.

# PROFESSIONAL SERIES

| CODE  | MODEL   | POWER   | SCREW   | TANK  | PRESSURE  | MAX AIR   | MIN AIR  | NOISE L.  | VOLTAGE   | CONNECTION  | DIMENSIONS  | WEIGHT  |
|---|---|---|---|---|---|---|--|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |   | kW  |   | litres  | psi   | C.F.M   | C.F.M  | dB[A]   | Vol/Ph/Hz   | BSP   | L x W x H (mm)  | Kg  |
| KME 7÷15 VSD on tank  |   |   |   |   |   |   |  |   |   |   |   |   |
| 171051011C-01B  | KME 7 VSD 270   | 7.5   | V75C  | 270   | 116   | 13.1  | 42.9   | 69  | 400/50/3  | 1/2 Gas   | 1560x660x1230   | 236   |
| 171052011C-01B  |   |   |   |   | 145   | 12.4  | 37.1   |   |   |   |   |   |
| 171053011C-01B  |   |   |   |   | 188   | 14.1  | 29.3   |   |   |   |   | 247   |
| 171051014C-01B  | KME 7 VSD 500   | 7.5   | V75C  | 500   | 116   | 13.1  | 42.9   | 69  | 400/50/3  | 1/2 Gas   | 1960x660x1320   | 279   |
| 171052014C-01B  |   |   |   |   | 145   | 12.4  | 37.1   |   |   |   |   |   |
| 171053014C-01B  |   |   |   |   | 188   | 14.1  | 29.3   |   |   |   |   | 312   |
| 171071003-01B   | KME 15 VSD 270  | 15  | V90C  | 270   | 116   | 14.5  | 82.3   | 71  | 400/50/3  | 3/4 Gas   | 1560x780x1400   | 307.5   |
| 171072003-01B   |   |   |   |   | 145   | 13.8  | 70.6   |   |   |   |   |   |
| 171073003-01B   |   |   |   |   | 188   | 18.7  | 56.5   |   |   |   |   | 318.5   |
| 171071005-01B   | KME 15 VSD 500  | 15  | V90C  | 500   | 116   | 14.5  | 82.3   | 71  | 400/50/3  | 3/4 Gas   | 2040x780x1490   | 350.5   |
| 171072005-01B   |   |   |   |   | 145   | 13.8  | 70.6   |   |   |   |   |   |
| 171073005-01B   |   |   |   |   | 188   | 18.7  | 56.5   |   |   |   |   | 383.5   |
| KME 7÷15 VSD on tank with dryer   |   |   |   |   |   |   |  |   |   |   |   |   |
| 171051013C-01B  | KME 7 VSD 270 E   | 7.5   | V75C  | 270   | 116   | 13.1  | 42.9   | 69  | 400/50/3  | 1/2 Gas   | 1560x660x1230   | 267.5   |
| 171052013C-01B  |   |   |   |   | 145   | 12.4  | 37.1   |   |   |   |   |   |
| 171053013C-01B  |   |   |   |   | 188   | 14.1  | 29.3   |   |   |   |   | 278.5   |
| 171051015C-01B  | KME 7 VSD 500 E   | 7.5   | V75C  | 500   | 116   | 13.1  | 42.9   | 69  | 400/50/3  | 1/2 Gas   | 1960x660x1320   | 310.5   |
| 171052015C-01B  |   |   |   |   | 145   | 12.4  | 37.1   |   |   |   |   |   |
| 171053015C-01B  |   |   |   |   | 188   | 14.1  | 29.3   |   |   |   |   | 343.5   |
| 171071004-01B   | KME 15 VSD 270 E  | 15  | V90C  | 270   | 116   | 14.5  | 82.3   | 71  | 400/50/3  | 3/4 Gas   | 1560x780x1400   | 343   |
| 171072004-01B   |   |   |   |   | 145   | 13.8  | 70.6   |   |   |   |   |   |
| 171073004-01B   |   |   |   |   | 188   | 18.7  | 56.5   |   |   |   |   | 354   |
| 171071006-01B   | KME 15 VSD 500 E  | 15  | V90C  | 500   | 116   | 14.5  | 82.3   | 71  | 400/50/3  | 3/4 Gas   | 2040x780x1490   | 386   |
| 171072006-01B   |   |   |   |   | 145   | 13.8  | 70.6   |   |   |   |   |   |
| 171073006-01B   |   |   |   |   | 188   | 18.7  | 56.5   |   |   |   |   | 419   |

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

\*\* Noise level measured according to ISO 2151.



