

FUTURES

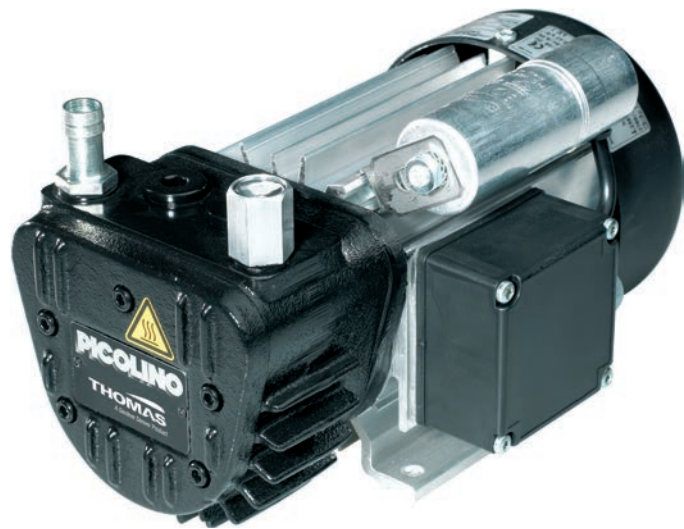
- > Oil-less
- > Long lifetime
- > Compact design
- > Low sound level
- > Pulsation free
- > Low vibration

TYPICAL APPLICATIONS

- > Vacuum lifting
- > Vacuum holding
- > Automation/Pick and place
- > Medical
- > Printing
- > Gas analysis/sampling
- > Aeration

BASE MODEL




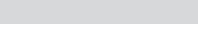



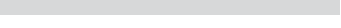

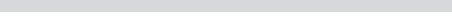

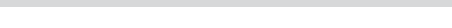

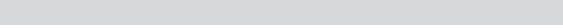

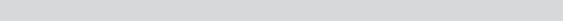
- VTE 3
- DTE 3
- VTE 6
- DTE 6
- VTE 8
- DTE 8
- VTE 10
- DTE 10



Rotary

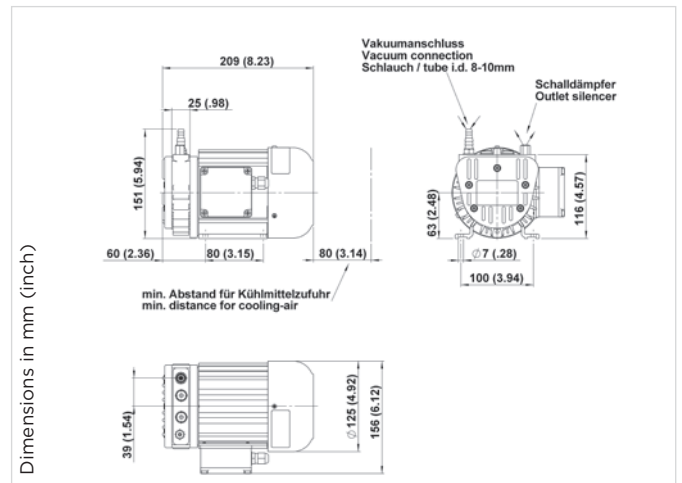
Rotary Vane Pumps

PRODUCT OVERVIEW

Model	Flow	Max. vacuum	Max. pressure	Page
 VTE 3	3.5/4.2 m ³ /hr 	85%	-	3
 DTE 3	3.5/4.2 m ³ /hr 	-	1.0 bar	4
 VTE 6	6.0/7.2 m ³ /hr 	85%	-	5
 DTE 6	6.0/7.2 m ³ /hr 	-	1.0 bar	6
 VTE 8	8.0/9.6 m ³ /hr 	85%	-	7
 DTE 8	8.0/9.6 m ³ /hr 	-	1.0 bar	8
 VTE 10	10.0/12.0 m ³ /hr 	85%	-	9
 DTE 10	10.0/12.0 m ³ /hr 	-	1.0 bar	10

Rotary Vane Pump VTE 3

Flow	3.5/4.2 m ³ /h
Max. vacuum	85%



PNEUMATIC DATA

Description	VTE 3 230/50/60	VTE 3 115/50/60	VTE 3 Three-phase 50/60	VTE 3 24 DC
Part number	25130110	25130111	25130113	25130172
Max. flow	3.5/4.2 m ³ /h	3.5/4.2 m ³ /h	3.5/4.2 m ³ /h	3.5 m ³ /h
Max. intermittent vacuum	85%	85%	85%	85%
Max. continuous vacuum	85%	85%	85%	85%

ELECTRICAL DATA

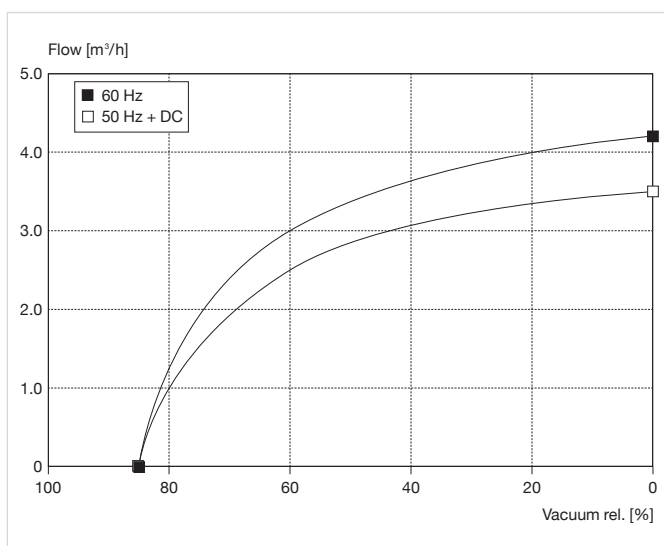
Motor type	Capacitor	Capacitor	Three-phase	Permanent magnet
Nominal voltage	230 V ±10% 50/60 Hz	100 V ±10% 50 Hz	200-255/346-440 V 50 Hz	24 V DC
		100-115 V ±10% 60 Hz	200-277/346-480 V 60 Hz	24 V DC
Nominal speed	2750/3250 rpm	2750/3300 rpm	2860/3360 rpm	2850 rpm
Motor rating	0.120/0.145 kW	0.120/0.145 kW	0.120/0.145 kW	0.120 kW
Current consumption	1.3/1.4 A	2.7/2.9 A	1.12/0.71/1.02/0.62 A	10.5 A
Motor insulation class	F	F	F	F
Protection class	IP54	IP54	IP54	IP55
Thermal protector	yes	yes	no	no
UL recognized motor	no	yes	no	no

GENERAL DATA

Ambient temperature	0 to 50 °C	0 to 50 °C	0 to 50 °C	0 to 50 °C
Weight	6.5 kg	6.5 kg	6.5 kg	7.9 kg
Direction of rotation	ccw	ccw	ccw	ccw
Average noise level	55/57 dB (A)	55/57 dB (A)	55/57 dB (A)	62 dB (A)

All listed flow values relate to air at the pump inlet condition (i.e. expanded under vacuum).
Further information (general usage, installation, servicing etc.) is available in the operating instructions manual.
Further UL recognized motor on request.

FLOW CURVES



SUPPLIED AS STANDARD

- Tube connector G 1/8 (Tube I.D. 8 - 10 mm)
- Outlet silencer G 1/8

ACCESSORIES

- Vacuum regulator ZRV 6 G 1/8 (part number 31430)
- Non-return valve ZRK 6 G 1/8 (part number 61802)

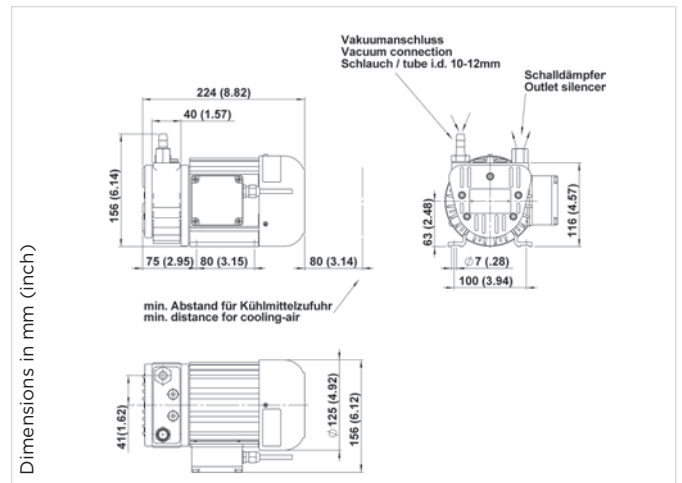
SERVICE PARTS

- Service kit (part number 25130104) consists of:
- 4 x Vanes
 - 1 x Filter cartridge
 - 2 x Filter seal (ring)
 - 1 x Filter seal
 - 3 x Gasket (copper)
 - 1 x O-ring (inside silencer)

2513... Stock programme

Rotary Vane Pump VTE 6

Flow	6.0/7.2 m ³ /h
Max. vacuum	85%



PNEUMATIC DATA

Description	VTE 6 230/50/60	VTE 6 115/50/60	VTE 6 Three-phase 50/60	VTE 6 24 DC
Part number	25160112	25160120	25160114	25160170
Max. flow	6.0/7.2 m ³ /h	6.0/7.2 m ³ /h	6.0/7.2 m ³ /h	6.0 m ³ /h
Max. intermittent vacuum	85%	85%	85%	85%
Max. continuous vacuum	85%	85%	85%	85%

ELECTRICAL DATA

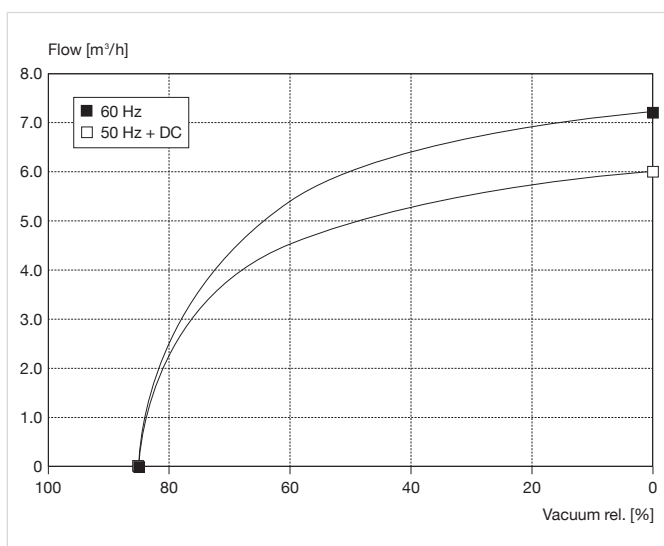
Motor type	Capacitor	Capacitor	Three-phase	Permanent magnet
Nominal voltage	230 V ±10% 50/60 Hz	100 V ±10% 50 Hz	200-255/346-440 V 50 Hz	24 V DC
		100-115 V ±10% 60 Hz	200-277/346-480 V 60 Hz	
Nominal speed	2700/3150 rpm	2700/3250 rpm	2800/3320 rpm	3250 rpm
Motor rating	0.25/0.30 kW	0.25/0.30 kW	0.25/0.30 kW	0.25 kW
Current consumption	2.3/2.5 A	5.0/5.2 A	1.4/0.81/1.6/0.9 A	18.0 A
Motor insulation class	F	B	B	F
Protection class	IP54	IP54	IP54	IP55
Thermal protector	yes	yes	no	yes
UL recognized motor	no	yes	no	no

GENERAL DATA

Ambient temperature	0 to 50 °C	0 to 50 °C	0 to 50 °C	0 to 50 °C
Weight	7.5 kg	7.5 kg	7.5 kg	8.5 kg
Direction of rotation	ccw	ccw	ccw	ccw
Average noise level	57/59 dB (A)	57/59 dB (A)	57/59 dB (A)	64 dB (A)

All listed flow values relate to air at the pump inlet condition (i.e. expanded under vacuum).
Further information (general usage, installation, servicing etc.) is available in the operating instructions manual.
Further UL recognized motor on request.

FLOW CURVES



SUPPLIED AS STANDARD

- Tube connector G 3/8 (Tube I.D. 10 - 12 mm)
- Outlet silencer G 3/8

ACCESSORIES

- Vacuum regulator ZRV 6 G 1/8 (part number 31430)
- Non-return valve ZRK 12 G 3/8 (part number 61803)

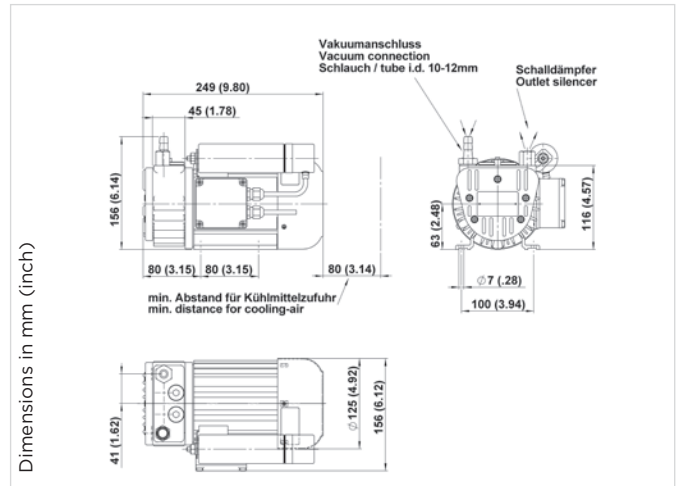
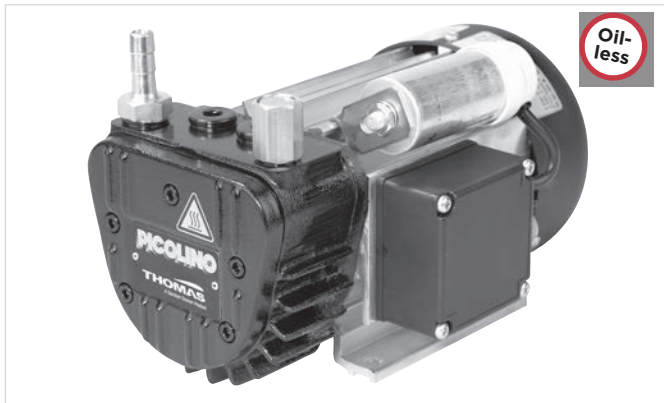
SERVICE PARTS

- Service kit (part number 25160104) consists of:
- 4 x Vanes
 - 1 x Filter cartridge
 - 2 x Filter seal (ring)
 - 1 x Filter seal
 - 3 x Gasket (copper)
 - 1 x O-ring (inside silencer)

2516... Stock programme

Rotary Vane Pump VTE 8

Flow	8.0/9.6 m ³ /h
Max. vacuum	85%



PNEUMATIC DATA

Description	VTE 8 230/50/60	VTE 8 115/50/60	VTE 8 Three-phase 50/60	VTE 8 24 DC
Part number	23630125	23630126	23630127	23630173
Max. flow	8.0/9.6 m ³ /h	8.0/9.6 m ³ /h	8.0/9.6 m ³ /h	8.0 m ³ /h
Max. intermittent vacuum	85%	85%	85%	85%
Max. continuous vacuum	85%	85%	85%	85%

ELECTRICAL DATA

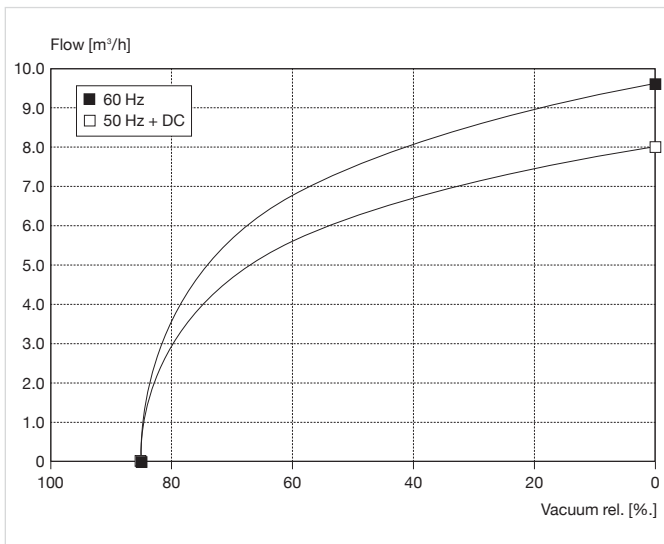
Motor type	Capacitor	Capacitor	Three-phase	Permanent magnet
Nominal voltage	230 V ±10% 50/60 Hz	100 V ±10% 50 Hz	200-255/346-440 V 50 Hz	24 V DC
		115 V ±10% 60 Hz	200-277/346-480 V 60 Hz	
Nominal speed	2700/3200 rpm	2750/3300 rpm	2850/3380 rpm	3300 rpm
Motor rating	0.35/0.42 kW	0.35/0.42 kW	0.37/0.44 kW	0.37 kW
Current consumption	3.9/3.4 A	9.0/8.4 A	2.77/1.60/2.25/1.30 A	21 A
Motor insulation class	F	F	F	F
Protection class	IP54	IP54	IP54	IP55
Thermal protector	yes	yes	no	no
UL recognized motor	no	yes	no	no

GENERAL DATA

Ambient temperature	0 to 50 °C	0 to 50 °C	0 to 50 °C	0 to 50 °C
Weight	8.0 kg	8.0 kg	8.0 kg	9.2 kg
Direction of rotation	ccw	ccw	ccw	ccw
Average noise level	59/61 dB (A)	59/61 dB (A)	59/61 dB (A)	66 dB (A)

All listed flow values relate to air at the pump inlet condition (i.e. expanded under vacuum).
 Further information (general usage, installation, servicing etc.) is available in the operating instructions manual.
 Further UL recognized motor on request.

FLOW CURVES



SUPPLIED AS STANDARD

- Tube connector G 3/8 (Tube I.D. 10 – 12 mm)
- Outlet silencer G 3/8

ACCESSORIES

- Vacuum regulator ZRV 12 G 3/8 (part number 31490)
- Non-return valve ZRK 12 G 3/8 (part number 61803)

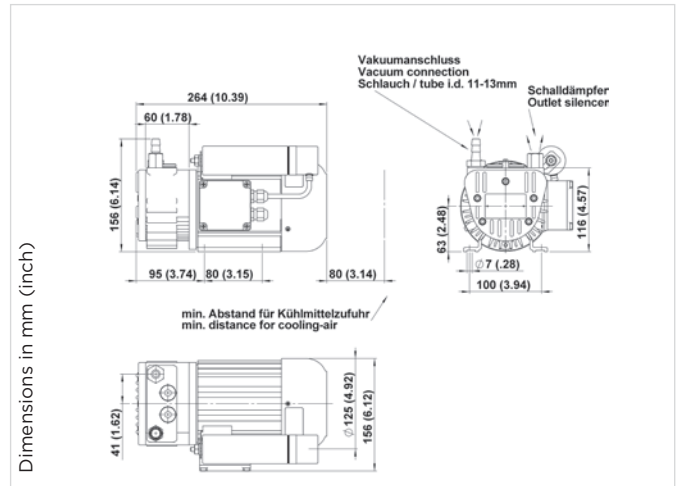
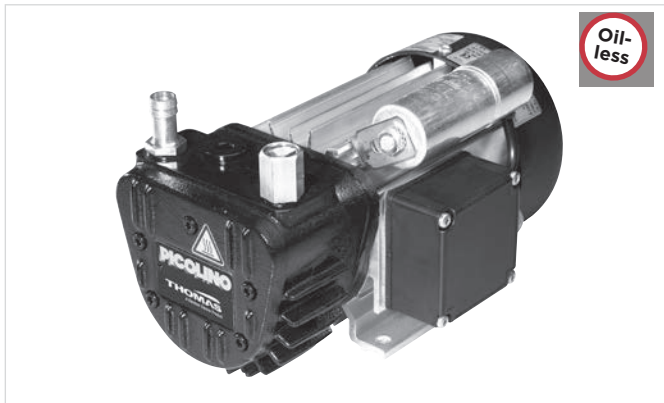
SERVICE PARTS

- Service kit (part number 23630104) consists of:
- 4 x Vanes
 - 1 x Filter cartridge
 - 2 x Filter seal (ring)
 - 1 x Filter seal
 - 3 x Gasket (copper)
 - 1 x O-ring (inside silencer)

2363... Stock programme

Rotary Vane Pump VTE 10

Flow	10/12 m³/h
Max. vacuum	85%



PNEUMATIC DATA

Description	VTE 10 230/50/60	VTE 10 115/50/60	VTE 10 Three-phase 50/60	VTE 10 24 DC
Part number	27740125	27740126	27740127	27740174
Max. flow	10/12 m ³ /h	10/12 m ³ /h	10/12 m ³ /h	10 m ³ /h
Max. intermittent vacuum	85%	85%	85%	85%
Max. continuous vacuum	85%	85%	85%	85%

ELECTRICAL DATA

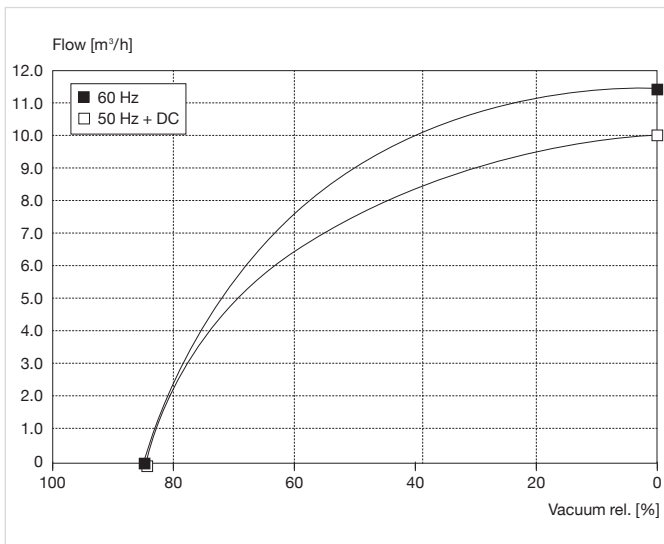
Motor type	Capacitor	Capacitor	Three-phase	Permanent magnet
Nominal voltage	230 V ±10% 50/60 Hz	100 V ±10% 50 Hz	200-255/346-440 V 50 Hz	24 V DC
		115 V ±10% 60 Hz	200-277/346-480 V 60 Hz	
Nominal speed	2700/3200 rpm	2700/3200 rpm	2850/3380 rpm	3200 rpm
Motor rating	0.35/0.42 kW	0.35/0.42 kW	0.37/0.44 kW	0.42 kW
Current consumption	3.9/3.4 A	9.0/8.4 A	2.77/1.60/2.25/1.30 A	30 A
Motor insulation class	F	F	F	F
Protection class	IP54	IP54	IP54	IP55
Thermal protector	yes	yes	no	no
UL recognized motor	no	yes	no	no

GENERAL DATA

Ambient temperature	0 to 40 °C	0 to 40 °C	0 to 40 °C	0 to 40 °C
Weight	10.3 kg	10.3 kg	10.1 kg	11.8 kg
Direction of rotation	ccw	ccw	ccw	ccw
Average noise level	60/62 dB (A)	60/62 dB (A)	60/62 dB (A)	67 dB (A)

All listed flow values relate to air at the pump inlet condition (i.e. expanded under vacuum).
Further information (general usage, installation, servicing etc.) is available in the operating instructions manual.
Further UL recognized motor on request.

FLOW CURVES



SUPPLIED AS STANDARD

- Tube connector G 3/8 (Tube I.D. 11 - 13 mm)
- Outlet silencer G 3/8

ACCESSORIES

- Vacuum regulator ZRV 12 G 3/8 (part number 31490)
- Non-return valve ZRK 12 G 3/8 (part number 61803)

SERVICE PARTS

- Service kit (part number 27740104) consists of:
- 4 x Vanes
 - 1 x Filter cartridge
 - 2 x Filter seal (ring)
 - 1 x Filter seal
 - 3 x Gasket (copper)
 - 1 x O-ring (inside silencer)

2774... Stock programme