VTE | DTE Series PICOLINO

THOMAS

FEATURES

> High flow to size ratio
> Virtually pulsation free
> Precise / stable flow output
> Very low sound / vibration levels
> Easily serviced integral intake filter
> Rugged, lightweight, compact design
> Corrosion resistant exterior
> IP54 (AC) IP55 (DC) protection class
> UL, CE Agency listed products
> RoHS / REACH compliant
> Service kits / accessories available

BASE MODEL

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



TYPICAL APPLICATIONS

> Air and gas sampling / analyzers
> Food and beverage packaging / processing equipment
> Lab automation workstations
> Leak detection systems
> Endoscopy to endoscopy
> Pick and place automation
> Pollution fume extraction
> Pond aeration
> Printing equipment
> Vacuum clamping / holding / lifting



Rotary

PICOLINO Rotary Vane Pumps

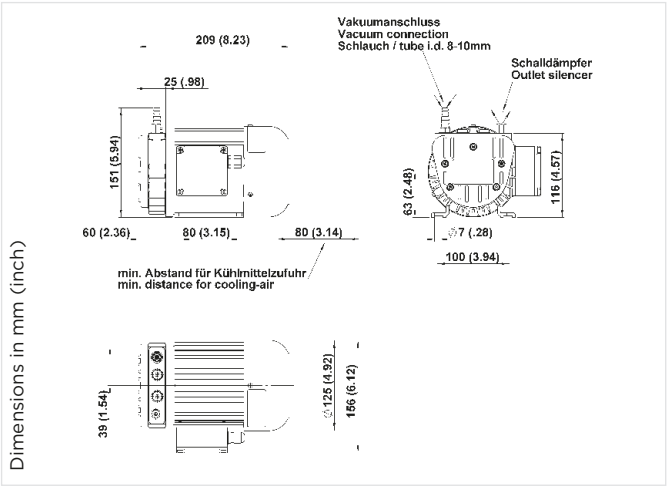
PRODUCT OVERVIEW

Model	Flow	Max. vacuum	Max. pressure	Page
 **VTE 3**	3.5/4.2 m³/hr (2.0/2.5 cfm)	**-850 mbar (25.0"Hg)**	**-**	**3**
 **DTE 3**	3.5/4.2 m³/hr (2.0/2.5 cfm)	**-**	**1.0 bar (14.5 psi)**	**4**
 **VTE 6**	6.0/7.2 m³/hr (3.5/4.2 cfm)	**-850 mbar (25.0"Hg)**	**-**	**5**
 **DTE 6**	6.0/7.2 m³/hr (3.5/4.2 cfm)	**-**	**1.0 bar (14.5 psi)**	**6**
 **VTE 8**	8.0/9.6 m³/hr (4.7/5.6 cfm)	**-850 mbar (25.0"Hg)**	**-**	**7**
 **DTE 8**	8.0/9.6 m³/hr (4.7/5.6 cfm)	**-**	**1.0 bar (14.5 psi)**	**8**
 **VTE 10**	10.0/12.0 m³/hr (5.9/7.0 cfm)	**-850 mbar (25.0"Hg)**	**-**	**9**
 **DTE 10**	10.0/12.0 m³/hr (5.9/7.0 cfm)	**-**	**1.0 bar (14.5 psi)**	**10**

Rotary Vane Pump **VTE 3**

Flow	**3.5/4.2 m³/h (2.0/2.5 cfm)**
Max. vacuum	**-850 mbar (25.0"Hg)**





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 m³/h (2.0/2.5 cfm)	3.5/4.2 m³/h (2.0/2.5 cfm)	3.5/4.2 m³/h (2.0/2.5 cfm)	3.5 m³/h (2.0 cfm)
Max. intermittent vacuum	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)
Max. continuous vacuum	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)

ELECTRICAL DATA

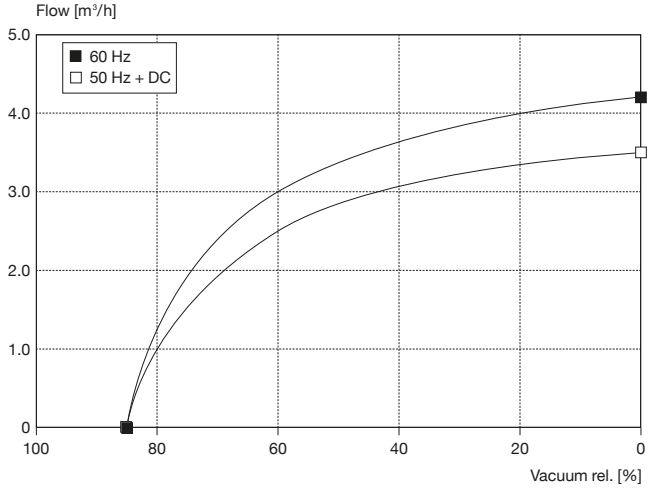
Motor type	Capacitor	Capacitor	Three-phase	Permanent magnet
Nominal voltage	230 V ±10% 50/60 Hz	100 V ±10% 50 Hz	200-255/346-440 V 50 Hz	24 V DC
		100-115 V ±10% 60 Hz	200-277/346-480 V 60 Hz	24 V DC
Nominal speed	2750/3250 rpm	2750/3300 rpm	2860/3360 rpm	2850 rpm
Motor rating	0.120/0.145 kW	0.120/0.145 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
Regulatory approval	cURus, CE	cURus	CE	-

GENERAL DATA

Ambient temperature	0 to 50 °C (32 to 122°F)	0 to 50 °C (32 to 122°F)	0 to 50 °C (32 to 122°F)	0 to 50 °C (32 to 122°F)
Weight	6.5 kg (14.3 lbs)	6.5 kg (14.3 lbs)	6.5 kg (14.3 lbs)	7.9 kg (17.4 lbs)
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.

FLOW CURVES



SUPPLIED AS STANDARD

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

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)

ACCESSORIES

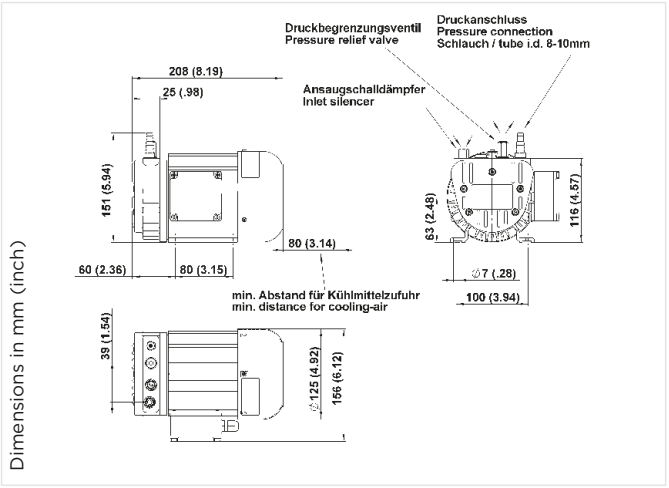
Vacuum regulator ZRV 6 G 1/8
(part number 31430)
Non-return valve ZRK 6 G 1/8
(part number 61802)

2513... Stock programme

Rotary Vane Pump **DTE 3**

Flow	**3.5/4.2 m³/h (2.0/2.5 cfm)**
Max. pressure	**1.0 bar (14.5 psi)**





PNEUMATIC DATA

Description	DTE 3 230/50/60	DTE 3 115/50/60	DTE 3 Three-phase 50/60	DTE 3 24 DC
Part number	**25140210**	**25140211**	**25140213**	25140272
Max. flow	3.5/4.2 m³/h (2.0/2.5 cfm)	3.5/4.2 m³/h (2.0/2.5 cfm)	3.5/4.2 m³/h (2.0/2.5 cfm)	3.5 m³/h (2.0 cfm)
Max. intermittent pressure	1.0 bar (14.5 psi)	0.8 bar (11.6 psi)	1.0 bar (14.5 psi)	1.0 bar (14.5 psi)
Max. continuous pressure	1.0 bar (14.5 psi)	0.8 bar (11.6 psi)	1.0 bar (14.5 psi)	1.0 bar (14.5 psi)

ELECTRICAL DATA

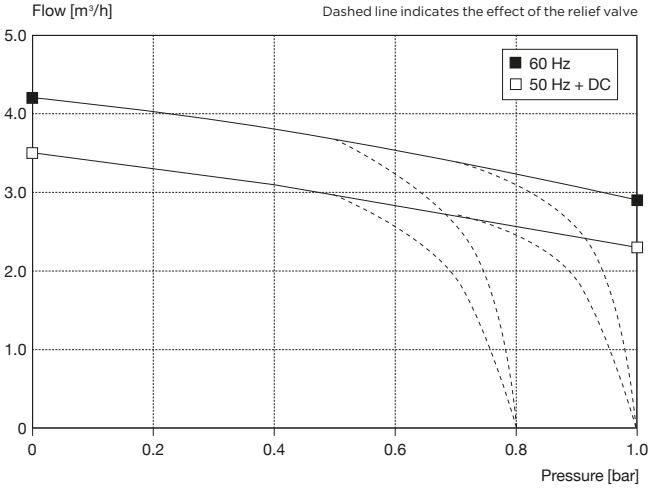
Motor type	Capacitor	Capacitor	Three-phase	Permanent magnet
Nominal voltage	230 V ±10% 50/60 Hz	100 V ±10% 50 Hz	200-255/346-440 V 50 Hz	24 V DC
		100-115 V ±10% 60 Hz	200-277/346-480 V 60 Hz	
Nominal speed	2750/3250 rpm	2750/3300 rpm	2860/3360 rpm	2850 rpm
Motor rating	0.120/0.145 kW	0.120/0.145 kW	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
Regulatory approval	cURus, CE	cURus	CE	-

GENERAL DATA

Ambient temperature	0 to 50 °C (32 to 122°F)	0 to 50 °C (32 to 122°F)	0 to 50 °C (32 to 122°F)	0 to 50 °C (32 to 122°F)
Weight	6.5 kg (14.3 lbs)	6.5 kg (14.3 lbs)	6.5 kg (14.3 lbs)	7.9 kg (17.4 lbs)
Direction of rotation	ccw	ccw	ccw	ccw
Average noise level	57/58 dB (A)	57/58 dB (A)	57/58 dB (A)	64 dB (A)

All listed flow values relate to air at standard atmospheric conditions.
Further information (general usage, installation, servicing etc.) is available in the operating instructions manual.

FLOW CURVES



SUPPLIED AS STANDARD

Tube connector G 1/8
(Tube I.D. 8 – 10 mm)
Inlet silencer G 1/8
Pressure relief valve
(0.8/1.0 bar) G 1/8

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 (only for VTE needed)

ACCESSORIES

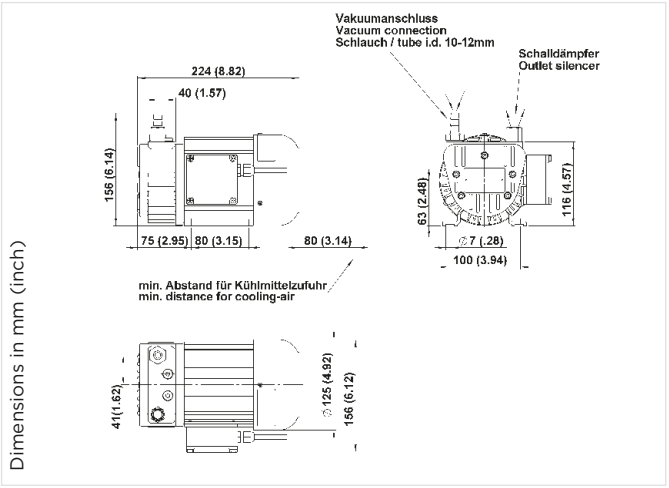
Pressure regulator ZRD 6 G 1/8
(part number 31429)
Non-return valve ZRK 6 G 1/8
(part number 61802)

2514... Stock programme

Rotary Vane Pump **VTE 6**

Flow	**6.0/7.2 m³/h (3.5/4.2 cfm)**
Max. vacuum	**-850 mbar (25.0"Hg)**





PNEUMATIC DATA

Description	VTE 6 230/50/60	VTE 6 115/50/60	VTE 6 Three-phase 50/60
Part number	**25160112**	**25160120**	**25160114**
Max. flow	6.0/7.2 m³/h (3.5/4.2 cfm)	6.0/7.2 m³/h (3.5/4.2 cfm)	6.0/7.2 m³/h (3.5/4.2 cfm)
Max. intermittent vacuum	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)
Max. continuous vacuum	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)

ELECTRICAL DATA

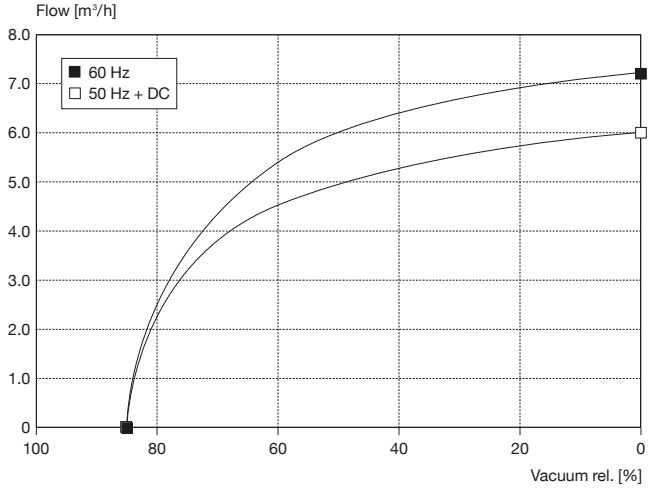
Motor type	Capacitor	Capacitor	Three-phase
Nominal voltage	230 V ±10% 50/60 Hz	100 V ±10% 50 Hz	200-255/346-440 V 50 Hz
		100-115 V ±10% 60 Hz	200-277/346-480 V 60 Hz
Nominal speed	2700/3150 rpm	2700/3250 rpm	2800/3320 rpm
Motor rating	0.25/0.30 kW	0.25/0.30 kW	0.25/0.30 kW
Current consumption	2.3/2.5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

GENERAL DATA

Ambient temperature	0 to 50 °C (32 to 122°F)	0 to 50 °C (32 to 122°F)	0 to 50 °C (32 to 122°F)
Weight	7.5 kg (16.5 lbs)	7.5 kg (16.5 lbs)	7.5 kg (16.5 lbs)
Direction of rotation	ccw	ccw	ccw
Average noise level	57/59 dB (A)	57/59 dB (A)	57/59 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.

FLOW CURVES



SUPPLIED AS STANDARD

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

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)

ACCESSORIES

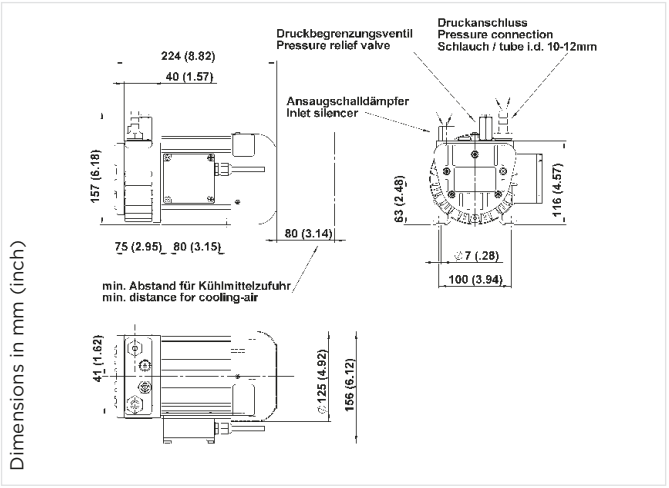
Vacuum regulator ZRV 6 G 1/8
(part number 31430)
Non-return valve ZRK 12 G 3/8
(part number 61803)

2516... Stock programme

Rotary Vane Pump **DTE 6**

Flow	**6.0/7.2 m³/h (3.5/4.2 cfm)**
Max. pressure	**1.0 bar (14.5 psi)**





PNEUMATIC DATA

Description	DTE 6 230/50/60	DTE 6 115/50/60	DTE 6 Three-phase 50/60
Part number	**25170212**	**25170220**	**25170214**
Max. flow	6.0/7.2 m³/h (3.5/4.2 cfm)	6.0/7.2 m³/h (3.5/4.2 cfm)	6.0/7.2 m³/h (3.5/4.2 cfm)
Max. intermittent pressure	1.0 bar (14.5 psi)	1.0 bar (14.5 psi)	1.0 bar (14.5 psi)
Max. continuous pressure	1.0 bar (14.5 psi)	1.0 bar (14.5 psi)	1.0 bar (14.5 psi)

ELECTRICAL DATA

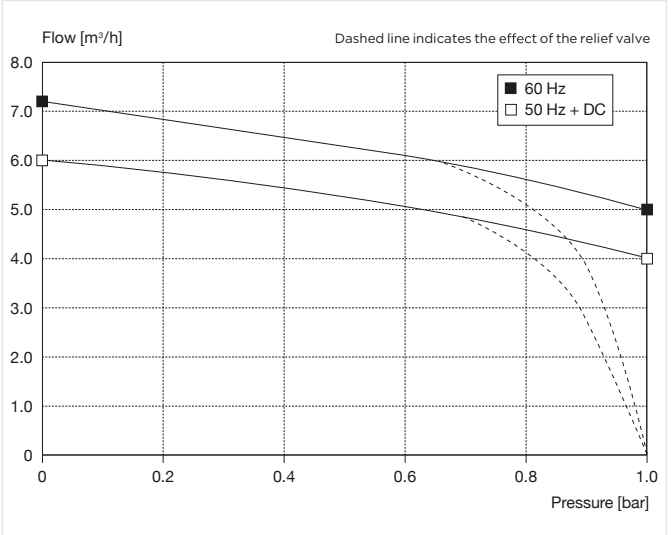
Motor type	Capacitor	Capacitor	Three-phase
Nominal voltage	230 V ±10% 50/60 Hz	100 V ±10% 50 Hz	200-255/346-440 V 50 Hz
		100-115 V ±10% 60 Hz	200-277/346-480 V 60 Hz
Nominal speed	2700/3150 rpm	2700/3250 rpm	2800/3320 rpm
Motor rating	0.25/0.30 kW	0.25/0.30 kW	0.25/0.30 kW
Current consumption	2.3/2.5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

GENERAL DATA

Ambient temperature	0 to 50 °C (32 to 122°F)	0 to 50 °C (32 to 122°F)	0 to 50 °C (32 to 122°F)
Weight	7.5 kg (16.5 lbs)	7.5 kg (16.5 lbs)	7.5 kg (16.5 lbs)
Direction of rotation	ccw	ccw	ccw
Average noise level	60/61 dB (A)	60/61 dB (A)	60/61 dB (A)

All listed flow values relate to air at standard atmospheric conditions.
Further information (general usage, installation, servicing etc.) is available in the operating instructions manual.

FLOW CURVES



SUPPLIED AS STANDARD

Tube connector G 3/8
(Tube I.D. 10 – 12 mm)
Intlet silencer G 3/8
Pressure relief valve (1.0 bar)
G 1/8

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 (only for VTE needed)

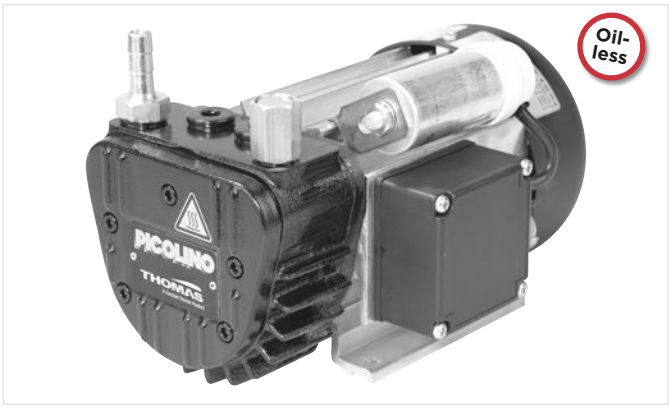
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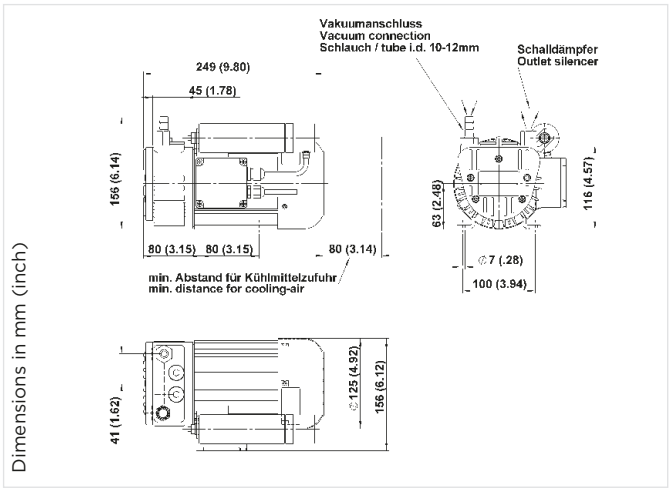
Pressure regulator ZRD 6 G 1/8
(part number 31429)
Non-return valve ZRK 12 G 3/8
(part number 61803)

2517... Stock programme

Rotary Vane Pump **VTE 8**

Flow	**8.0/9.6 m³/h (4.7/5.6 cfm)**
Max. vacuum	**-850 mbar (25.0"Hg)**





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 m³/h (4.7/5.6 cfm)	8.0/9.6 m³/h (4.7/5.6 cfm)	8.0/9.6 m³/h (4.7/5.6 cfm)	8.0 m³/h (4.7 cfm)
Max. intermittent vacuum	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)
Max. continuous vacuum	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)

ELECTRICAL DATA

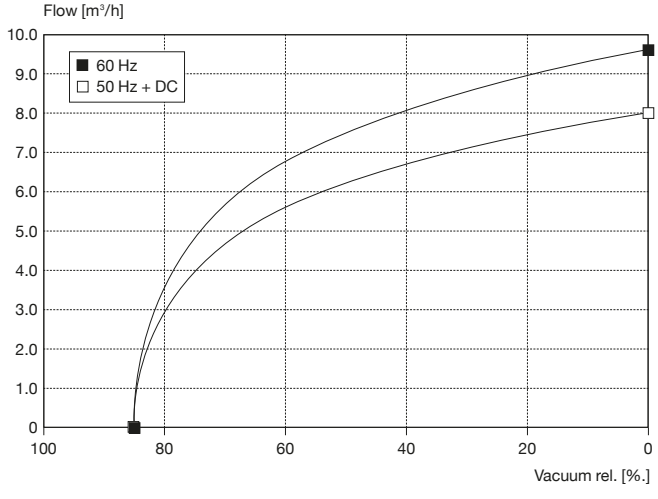
Motor type	Capacitor	Capacitor	Three-phase	Permanent magnet
Nominal voltage	230 V ±10% 50/60 Hz	100 V ±10% 50 Hz	200-255/346-440 V 50 Hz	24 V DC
		115 V ±10% 60 Hz	200-277/346-480 V 60 Hz	
Nominal speed	2700/3200 rpm	2750/3300 rpm	2850/3380 rpm	3300 rpm
Motor rating	0.35/0.42 kW	0.35/0.42 kW	0.37/0.44 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
Regulatory approval	cURus, CE	cURus	cURus, CE	-

GENERAL DATA

Ambient temperature	0 to 50 °C (32 to 122°F)	0 to 50 °C (32 to 122°F)	0 to 50 °C (32 to 122°F)	0 to 50 °C (32 to 122°F)
Weight	8.0 kg (17.6 lbs)	8.0 kg (17.6 lbs)	8.0 kg (17.6 lbs)	9.2 kg (20.3 lbs)
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.

FLOW CURVES



SUPPLIED AS STANDARD

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

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)

ACCESSORIES

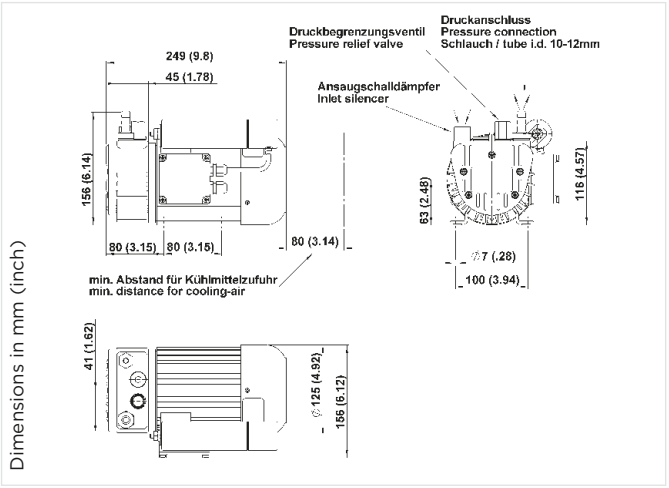
Vacuum regulator ZRV 12 G 3/8
(part number 31490)
Non-return valve ZRK 12 G 3/8
(part number 61803)

2363... Stock programme

Rotary Vane Pump **DTE 8**

Flow	**8.0/9.6 m³/h (4.7/5.6 cfm)**
Max. pressure	**1.0 bar (14.5 psi)**





PNEUMATIC DATA

Description	DTE 8 230/50/60	DTE 8 115/50/60	DTE 8 Three-phase 50/60	DTE 8 24 DC
Part number	**23660225**	**23660226**	**23660227**	23660273
Max. flow	8.0/9.6 m³/h (4.7/5.6 cfm)	8.0/9.6 m³/h (4.7/5.6 cfm)	8.0/9.6 m³/h (4.7/5.6 cfm)	8.0 m³/h (4.7 cfm)
Max. intermittent pressure	0.8 bar (11.6 psi)	0.8 bar (11.6 psi)	1.0 bar (14.5 psi)	1.0 bar (14.5 psi)
Max. continuous pressure	0.8 bar (11.6 psi)	0.8 bar (11.6 psi)	1.0 bar (14.5 psi)	1.0 bar (14.5 psi)

ELECTRICAL DATA

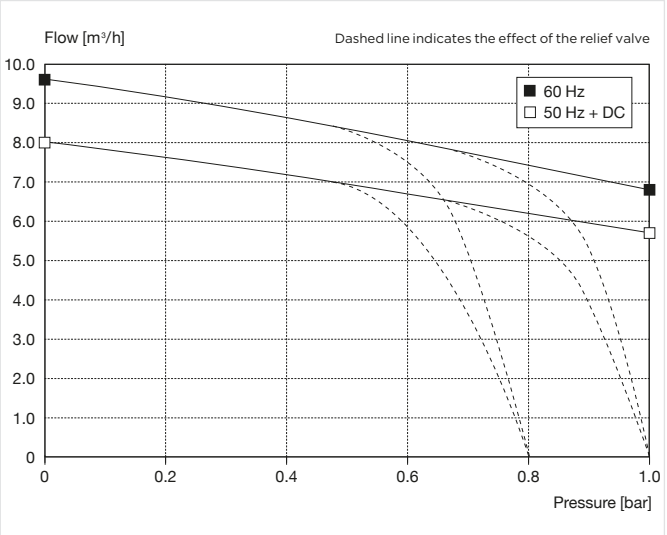
Motor type	Capacitor	Capacitor	Three-phase	Permanent magnet
Nominal voltage	230 V ±10% 50/60 Hz	100 V ±10% 50 Hz	200-255/346-440 V 50 Hz	24 V DC
		115 V ±10% 60 Hz	200-277/346-480 V 60 Hz	
Nominal speed	2700/3200 rpm	2750/3300 rpm	2850/3380 rpm	3300 rpm
Motor rating	0.35/0.42 kW	0.35/0.42 kW	0.37/0.44 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
Regulatory approval	cURus, CE	cURus	cURus, CE	-

GENERAL DATA

Ambient temperature	0 to 50 °C (32 to 122°F)	0 to 50 °C (32 to 122°F)	0 to 50 °C (32 to 122°F)	0 to 50 °C (32 to 122°F)
Weight	8.0 kg (17.6 lbs)	8.0 kg (17.6 lbs)	8.0 kg (17.6 lbs)	9.2 kg (20.3 lbs)
Direction of rotation	ccw	ccw	ccw	ccw
Average noise level	62/63 dB (A)	62/63 dB (A)	62/63 dB (A)	67 dB (A)

All listed flow values relate to air at standard atmospheric conditions.
Further information (general usage, installation, servicing etc.) is available in the operating instructions manual.

FLOW CURVES



SUPPLIED AS STANDARD

Tube connector G 3/8
(Tube I.D. 10 – 12 mm)
Intlet silencer G 3/8
Pressure relief valve (0.6/1.0 bar)
G 3/8

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 (only for VTE needed)

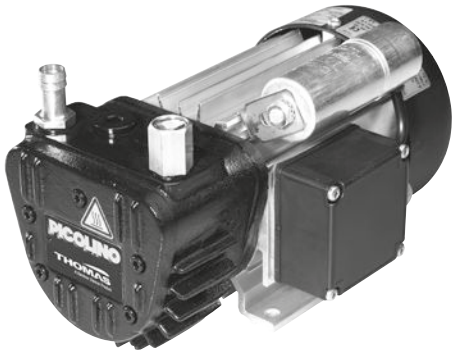
ACCESSORIES

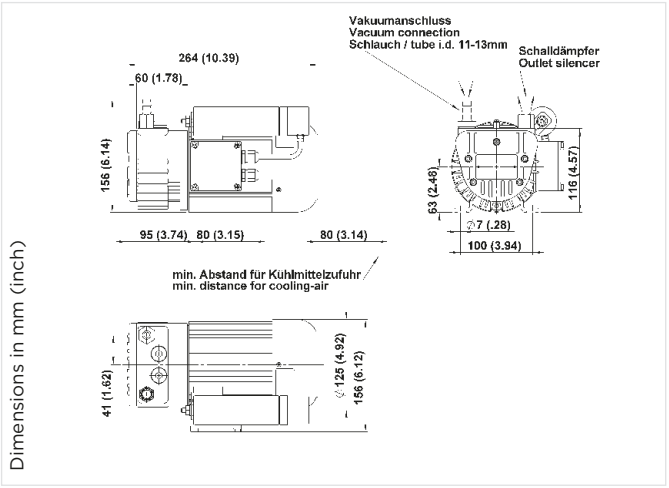
Pressure regulator ZRD 12 G 3/8
(part number 31431)
Non-return valve ZRK 12 G 3/8
(part number 61803)

2366... Stock programme

Rotary Vane Pump **VTE 10**

Flow	**10/12 m³/h (5.9/7.0 cfm)**
Max. vacuum	**-850 mbar (25.0"Hg)**





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 m³/h (5.9/7.0 cfm)	10/12 m³/h (5.9/7.0 cfm)	10/12 m³/h (5.9/7.0 cfm)	10 m³/h (5.9 cfm)
Max. intermittent vacuum	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)
Max. continuous vacuum	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)	-850 mbar (25.0"Hg)

ELECTRICAL DATA

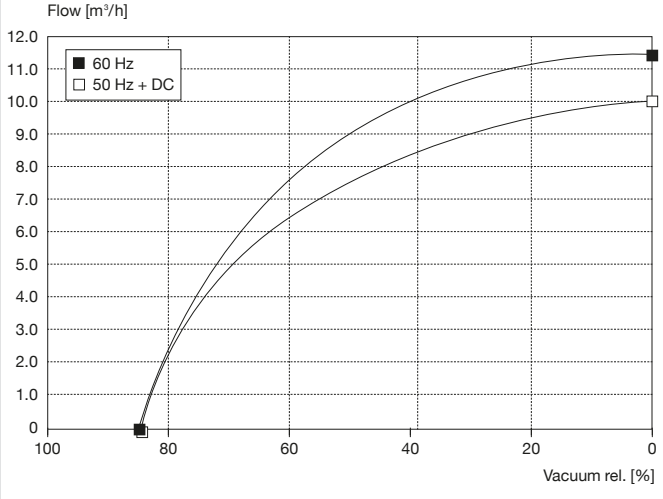
Motor type	Capacitor	Capacitor	Three-phase	Permanent magnet
Nominal voltage	230 V ±10% 50/60 Hz	100 V ±10% 50 Hz	200-255/346-440 V 50 Hz	24 V DC
		115 V ±10% 60 Hz	200-277/346-480 V 60 Hz	
Nominal speed	2700/3200 rpm	2700/3200 rpm	2850/3380 rpm	3200 rpm
Motor rating	0.35/0.42 kW	0.35/0.42 kW	0.37/0.44 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
Regulatory approval	CE	cRU	CE	-

GENERAL DATA

Ambient temperature	0 to 40 °C (32 to 104° F)	0 to 40 °C (32 to 104° F)	0 to 40 °C (32 to 104° F)	0 to 40 °C (32 to 104° F)
Weight	10.3 kg (22.7 lbs)	10.3 kg (22.7 lbs)	10.1 kg (22.3 lbs)	11.8 kg (26.0 lbs)
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.

FLOW CURVES



SUPPLIED AS STANDARD

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

SERVICE PARTS

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

ACCESSORIES

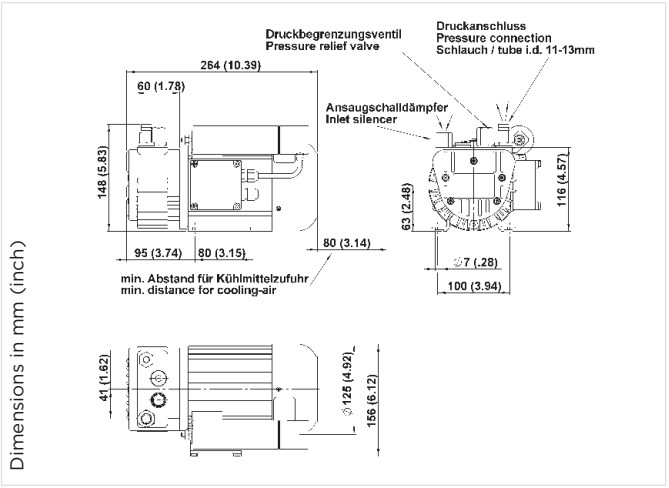
Vacuum regulator ZRV 12 G 3/8
(part number 31490)
Non-return valve ZRK 12 G 3/8
(part number 61803)

2774... Stock programme

Rotary Vane Pump **DTE 10**

Flow	**10/12 m³/h (5.9/7.0 cfm)**
Max. pressure	**1.0 bar (14.5 psi)**





PNEUMATIC DATA

Description	DTE 10 230/50/60	DTE 10 115/50/60	DTE 10 Three-phase 50/60	DTE 10 24 DC
Part number	**27750225**	**27750226**	**27750227**	27750274
Max. flow	10/12 m³/h (5.9/7.0 cfm)	10/12 m³/h (5.9/7.0 cfm)	10/12 m³/h (5.9/7.0 cfm)	10 m³/h (5.9 cfm)
Max. intermittent pressure	0.8 bar (11.6 psi)	0.8 bar (11.6 psi)	1.0 bar (14.5 psi)	1.0 bar (14.5 psi)
Max. continuous pressure	0.8 bar (11.6 psi)	0.8 bar (11.6 psi)	1.0 bar (14.5 psi)	1.0 bar (14.5 psi)

ELECTRICAL DATA

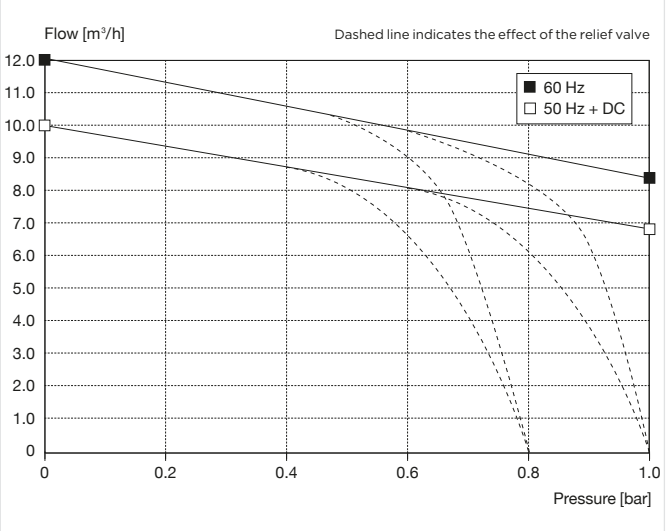
Motor type	Capacitor	Capacitor	Three-phase	Permanent magnet
Nominal voltage	230 V ±10% 50/60 Hz	100 V ±10% 50 Hz	200-255/346-440 V 50 Hz	24 V DC
		115 V ±10% 60 Hz	200-277/346-480 V 60 Hz	
Nominal speed	2700/3200 rpm	2700/3200 rpm	2850/3380 rpm	3200 rpm
Motor rating	0.35/0.42 kW	0.35/0.42 kW	0.37/0.44 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
Regulatory approval	CE	cRU	CE	-

GENERAL DATA

Ambient temperature	0 to 40 °C (32 to 104° F)	0 to 40 °C (32 to 104° F)	0 to 40 °C (32 to 104° F)	0 to 40 °C (32 to 104° F)
Weight	10.3 kg (22.7 lbs)	10.3 kg (22.7 lbs)	10.1 kg (22.3 lbs)	11.8 kg (26.0 lbs)
Direction of rotation	ccw	ccw	ccw	ccw
Average noise level	63/64 dB (A)	63/64 dB (A)	63/64 dB (A)	68 dB (A)

All listed flow values relate to air at standard atmospheric conditions.
Further information (general usage, installation, servicing etc.) is available in the operating instructions manual.

FLOW CURVES



SUPPLIED AS STANDARD

Tube connector G 3/8
(Tube I.D. 11 – 13 mm)
Outlet silencer G 3/8
Pressure relief valve (0.8/1.0 bar)
G 3/8

SERVICE PARTS

Service kit (part number 27740104) consists of:
4 x Vanes
1 x Filter cartridge
1 x Filter seal (ring)
1 x Filter seal
3 x Gasket (copper)
1 x O-ring (only for VTE needed)

ACCESSORIES

Pressure regulator ZRD 12 G 3/8
(part number 31431)
Non-return valve ZRK 12 G 3/8
(part number 61803)

2775... Stock programme

Notes

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