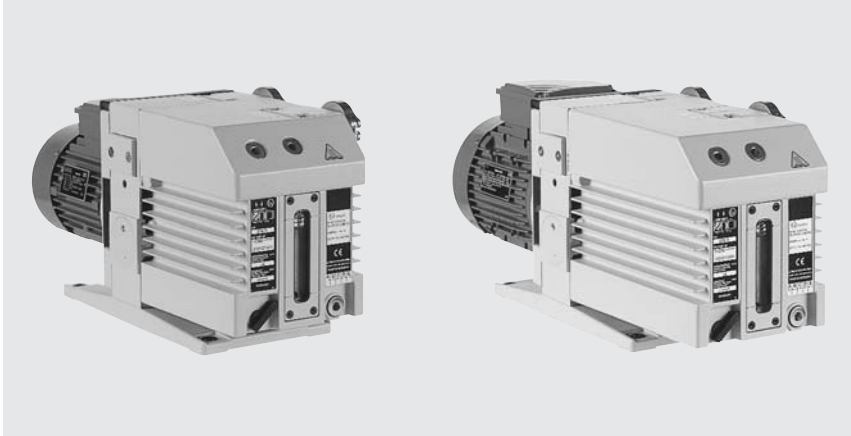
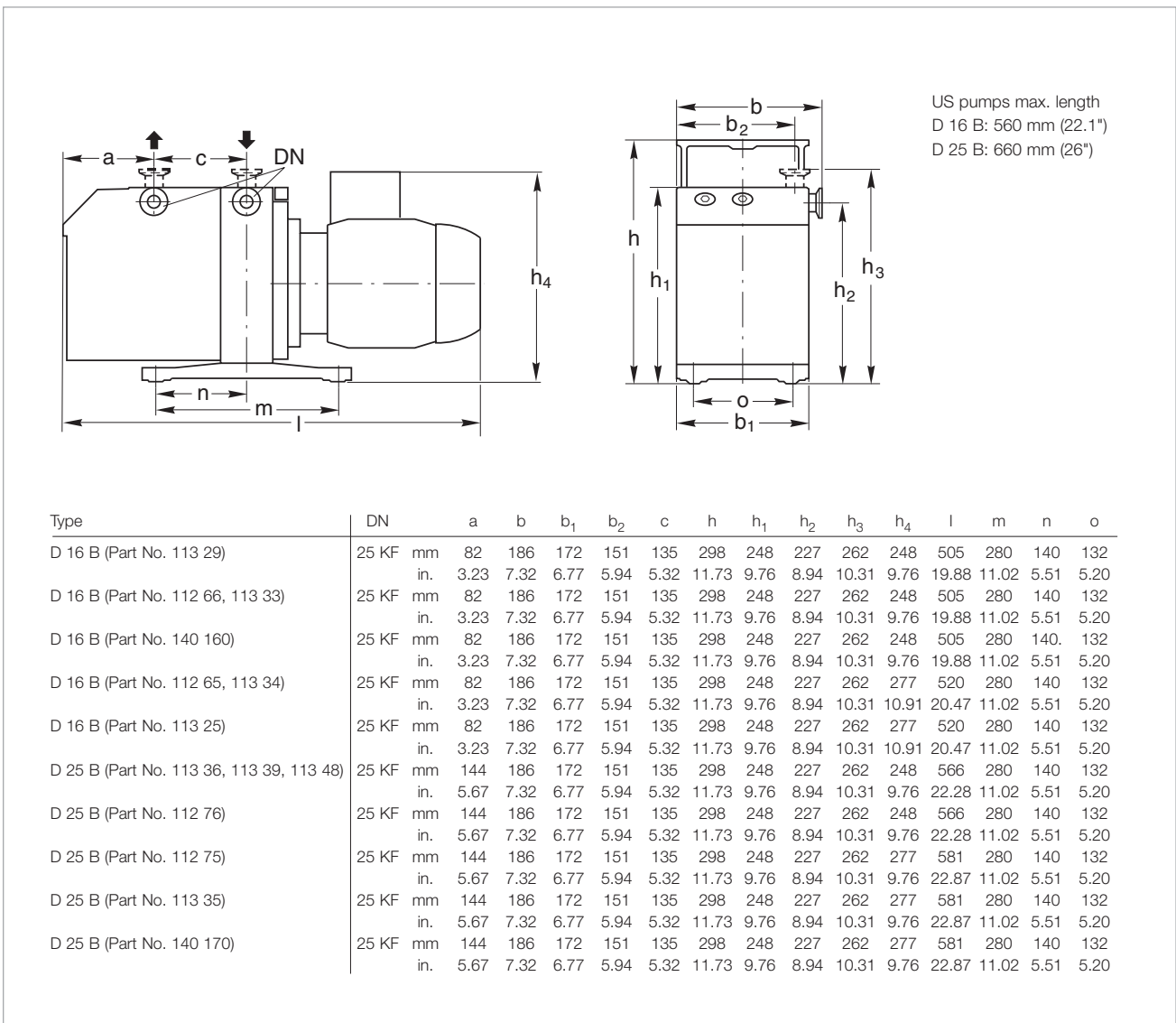


# TRIVAC D 16 B and D 25 B



TRIVAC D 16 B (left) and TRIVAC D 25 B (right)



Dimensional drawing for the TRIVAC D 16 and D 25 B

## Technical Data

### TRIVAC D 16 B two-stage

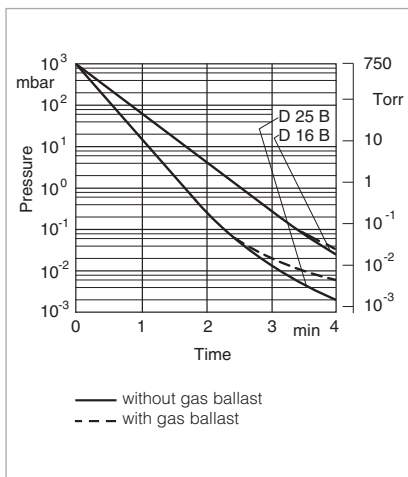
### TRIVAC D 25 B two-stage

		50 Hz	60 Hz	50 Hz	60 Hz
Nominal pumping speed <sup>1)</sup>	m <sup>3</sup> /h (cfm)	18.9 (11.1)	22.7 (13.4)	29.5 (17.4)	35.4 (20.9)
Pumping speed <sup>1)</sup>	m <sup>3</sup> /h (cfm)	16.5 (9.7)	19.8 (11.7)	25.7 (15.1)	30.8 (18.2)
Ultimate partial pressure without gas ballast <sup>1)</sup>	mbar (Torr)	10 <sup>-4</sup> (0.75 x 10 <sup>-4</sup> )	10 <sup>-4</sup> (0.75 x 10 <sup>-4</sup> )	10 <sup>-4</sup> (0.75 x 10 <sup>-4</sup> )	10 <sup>-4</sup> (0.75 x 10 <sup>-4</sup> )
Ultimate total pressure without gas ballast <sup>1)</sup>	mbar (Torr)	< 2 x 10 <sup>-3</sup> (1.5 x 10 <sup>-3</sup> )	< 2 x 10 <sup>-3</sup> (1.5 x 10 <sup>-3</sup> )	< 2 x 10 <sup>-3</sup> (1.5 x 10 <sup>-3</sup> )	< 2 x 10 <sup>-3</sup> (1.5 x 10 <sup>-3</sup> )
Ultimate total pressure with gas ballast <sup>1)</sup>	mbar (Torr)	< 5 x 10 <sup>-3</sup> (3.8 x 10 <sup>-3</sup> )	< 5 x 10 <sup>-3</sup> (3.8 x 10 <sup>-3</sup> )	< 5 x 10 <sup>-3</sup> (3.8 x 10 <sup>-3</sup> )	< 5 x 10 <sup>-3</sup> (3.8 x 10 <sup>-3</sup> )
Water vapor tolerance <sup>1)</sup>	mbar (Torr)	25 (18.8)	25 (18.8)	25 (18.8)	25 (18.8)
Water vapor capacity	g/h	305	305	476	476
Oil filling, min. / max.	l (qt)	0.5 / 1.0 (0.5 / 1.1)	0.5 / 1.0 (0.5 / 1.1)	0.6 / 1.4 (0.6 / 1.5)	0.6 / 1.4 (0.6 / 1.5)
Noise level <sup>2)</sup> to DIN 45 635, without / with gas ballast	dB(A)	52 / 62	52 / 62	52 / 62	52 / 62
Admissible ambient temperature	°C (°F)	+12 to +40 (+54 to +104)	+12 to +40 (+54 to +104)	+12 to +40 (+54 to +104)	+12 to +40 (+54 to +104)
Motor rating <sup>2)</sup>	W (HP)	550 - 750 (0.75 - 1.0)	550 - 750 (0.75 - 1.0)	750 (1)	750 (1)
Nominal speed	rpm	1500	1800	1500	1800
Type of protection <sup>3)</sup>	IP	54	54	54	54
Weight <sup>2)</sup>	kg (lbs)	26 (57.3)	26 (57.3)	32 (70.6)	32 (70.6)
Connections, Intake and Exhaust	DN	25 KF	25 KF	25 KF	25 KF

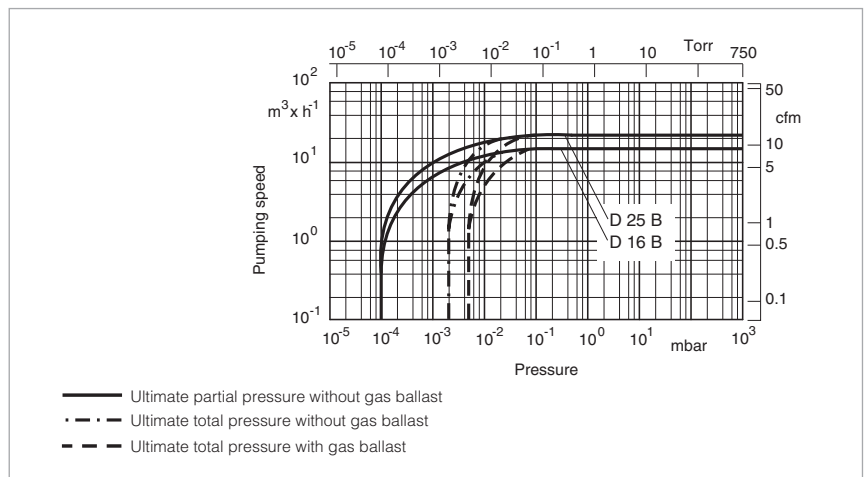
<sup>1)</sup> To DIN 28 400 and following numbers

<sup>2)</sup> Weight, motor rating and noise levels for the pumps with global version AC motor, 50 Hz, only.  
Any data that deviate from the above for pumps with other motors, and other motor-dependent data are given in section "Products", paragraph "Motor Dependent Data for the TRIVAC B, BCS and BCS-PFPE"

<sup>3)</sup> Global versions only. North and South American versions are TEFC



Pump-down characteristics of a 100 l vessel at 50 Hz



Pumping speed characteristics at 50 Hz (60 Hz curves at the end of the section)

## Ordering Information

### TRIVAC D 16 B two-stage

### TRIVAC D 25 B two-stage

TRIVAC B without motor	<b>Part No. 113 28</b>	<b>Part No. 113 38</b>
with 1-phase motor 230 V, 50/60 Hz <sup>1)</sup>	<b>Part No. 112 65</b>	-
208 - 252 V, 50/60 Hz <sup>1)</sup>	<b>Part No. 113 25 <sup>2)</sup></b>	<b>Part No. 113 35 <sup>2)</sup> / 112 75</b>
100 V, 50 Hz / 110 V, 60 Hz	<b>upon request</b>	<b>upon request</b>
115 V, 60 Hz	-	<b>Part No. 113 48</b>
with 3-phase motor 230/400 V, 50 Hz / 250/440 V, 60 Hz <sup>1)</sup>	<b>Part No. 112 66</b>	<b>Part No. 112 76</b>
230/400 V, 50 Hz / 250/440 V, 60 Hz	<b>Part No. 113 33 (RCF - E96N)</b>	-
200/346 V, 50 Hz / 208/360 V, 60 Hz	<b>Part No. 113 34 (RCF - E96N)</b>	-
230/400 V, 50 Hz, ATEX Category 3 inside and 3 outside inside: II (i) 3G IIC T4 (50 Hz) outside: II (o) 3G IIC T3 (50 Hz)	<b>Part No. 140 160</b>	<b>Part No. 140 170</b>

## Accessories

FS 8-16 dust filter	<b>Part No. 186 10</b>	<b>Part No. 186 10</b>
AS 8-16 dust separator	<b>Part No. 186 11</b>	<b>Part No. 186 11</b>
MF 8-16 molecular filter	<b>Part No. 186 12</b>	<b>Part No. 186 12</b>
FA 8-16 fine vacuum adsorption trap	<b>Part No. 187 10</b>	<b>Part No. 187 10</b>
Adsorption trap with aluminium oxide	<b>Part No. 854 15</b>	<b>Part No. 854 15</b>
Activated aluminium oxide, 1.3 kg (2 l approx.)	<b>Part No. 854 10</b>	<b>Part No. 854 10</b>
AF 16-25 exhaust filter	<b>Part No. 189 11</b>	<b>Part No. 189 11</b>
AR 16-25 exhaust filter with lubricant return	<b>Part No. 189 21</b>	<b>Part No. 189 21</b>
AK 16-25 condensate trap	<b>Part No. 188 11</b>	<b>Part No. 188 11</b>
OF 4-25 mechanical oil filter	<b>Part No. 101 91</b>	<b>Part No. 101 91</b>
CF 4-25 chemical oil filter	<b>Part No. 101 96</b>	<b>Part No. 101 96</b>
Connector for gas ballast inlet M 16 x 1.5 – DN 16 KF	<b>Part No. 168 40</b>	<b>Part No. 168 40</b>
Oil drain tap M 16 x 1.5	<b>Part No. 190 90</b>	<b>Part No. 190 90</b>

## Spare Parts

Inner body	<b>Part No. E 200 10 956</b>	<b>Part No. E 200 10 960</b>
Major maintenance kit (without oil)	<b>Part No. EK 110 002 618</b>	<b>Part No. EK 110 002 616</b>
Minor maintenance kit (without oil)	<b>Part No. EK 110 002 626</b>	<b>Part No. EK 110 002 625</b>
Shaft sealing ring replacement kit	<b>Part No. EK 110 002 630</b>	<b>Part No. EK 110 002 630</b>
Small parts kit	<b>Part No. EK 110 002 635</b>	<b>Part No. EK 110 002 635</b>

<sup>1)</sup> Certification after 94/9/EG (ATEX), Category 3 inside. Inside: II (i) 3G IIC T4 (50 Hz), T3 (60 Hz)

<sup>2)</sup> With cable EURO Schuko. Other cables for wide range motor upon request

# Only available for purchase in North and South America

## Ordering Information

### TRIVAC D 16 B two-stage

### TRIVAC D 25 B two-stage

TRIVAC B with 1-phase motor 115 V, 60/50 Hz, NEMA plug 208-230 V, 60/50 Hz, NEMA plug	<b>Part No. 912 65-1</b> <b>Part No. 912 65-2</b>	<b>Part No. 912 75 V 001</b> <b>Part No. 912 75-2</b>
with 3-phase motor 208-230/460 V, 60 Hz / 200-220/380 V, 50 Hz	<b>Part No. 912 66-2</b>	<b>Part No. 912 76-2</b>