

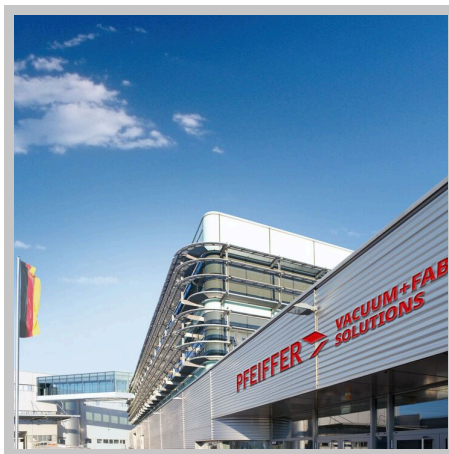
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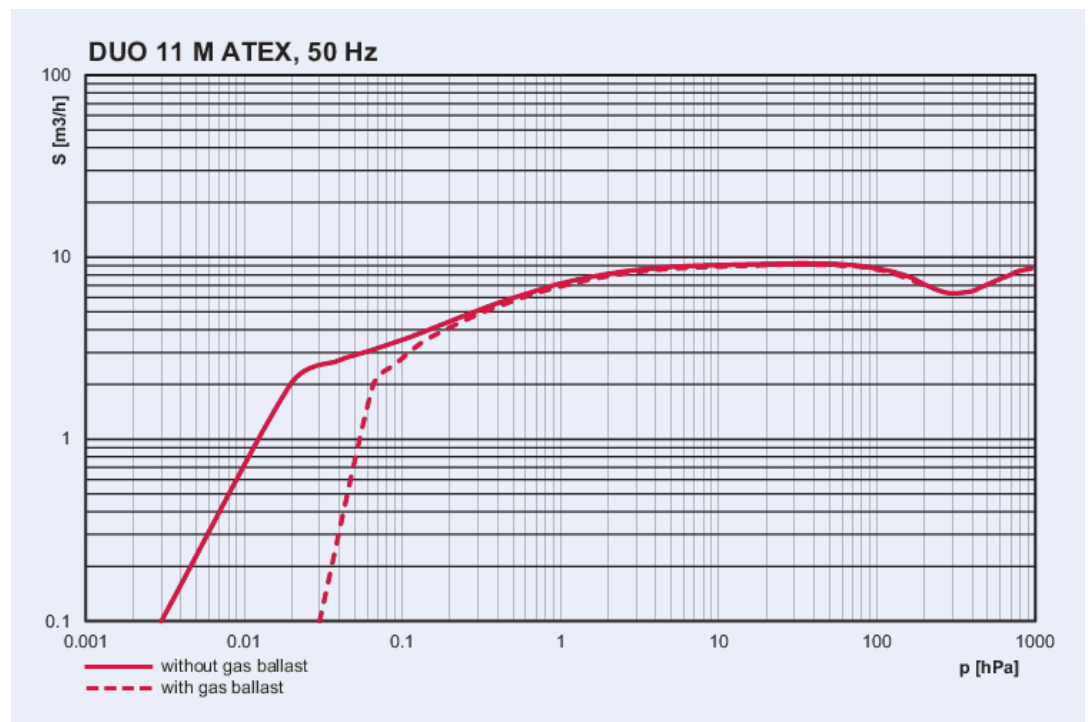


Illustration only

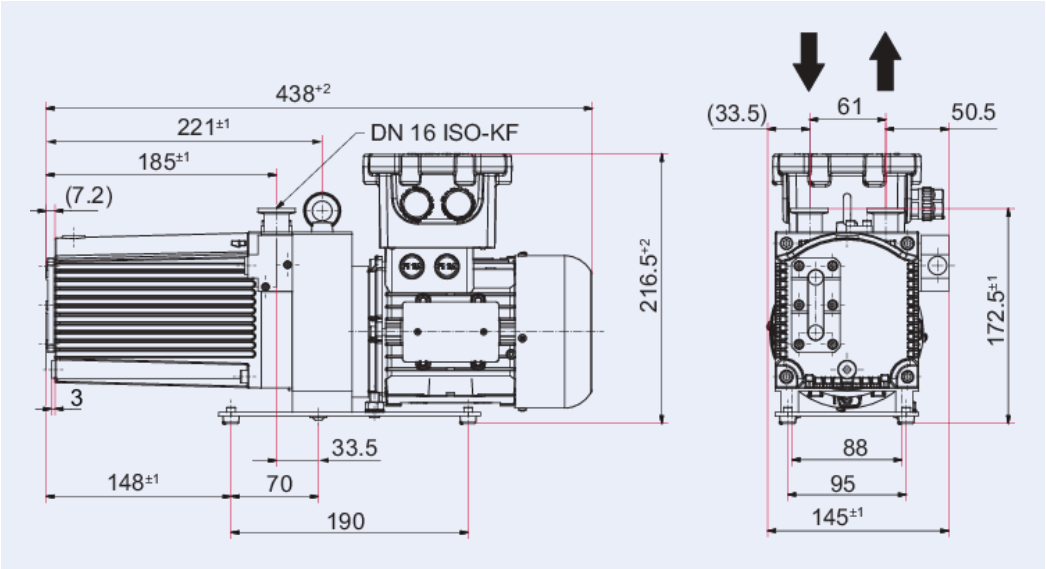
Duo 11 ATEX, 3-phase motor, 230/400 V, 50 Hz | 265/460 V, 60 Hz, P3

- Two-stage high-performance rotary vane pump with ATEX approval
- Ideal for applications with non-corrosive gases
- Gas ballast and vacuum safety valve integrated
- Maximum safety thanks to magnetic coupling

Characteristics



Dimensions



Technical Data

Duo 11 ATEX, 3-phase motor, 230/400 V, 50 Hz | 265/460 V, 60 Hz, P3

Connection flange (in)	DN 16 ISO-KF
Connection flange (out)	DN 16 ISO-KF
Pumping speed at 50 Hz	9 m ³ /h 5.2974 cfm 150.003 l/min
Pumping speed at 60 Hz	10.5 m ³ /h 6.18 cfm 175 l/min
Ultimate pressure	3 · 10 ⁻³ hPa 2.25 · 10 ⁻³ Torr 3 · 10 ⁻³ mbar
Ultimate pressure with gas ballast	3 · 10 ⁻² hPa 2.25 · 10 ⁻² Torr 3 · 10 ⁻² mbar
Exhaust pressure, min.	250 hPa 187.5 Torr 250 mbar
Exhaust pressure, max.	1,500 hPa 1,125 Torr 1,500 mbar
Water vapor capacity 50 Hz	65 g/h
Water vapor capacity 60 Hz	84 g/h
Water vapor tolerance at 50 Hz	10 hPa 7.5 Torr 10 mbar
Water vapor tolerance at 60 Hz	11 hPa 8.3 Torr 11 mbar
Rotation speed at 50 Hz	3,000 rpm 3,000 min ⁻¹
Rotation speed at 60 Hz	3,600 rpm 3,600 min ⁻¹
Cooling method	Air (Forced convection)
Motor protection	PTC
Motor type	3-phase motor
Ambient temperature	12 – 40 °C
Continuous gas input temperature, max.	40 °C 104 °F 313.2 K
Continuous inlet pressure, max.	50 hPa 37.5 Torr 50 mbar
Emission sound pressure level without gas ballast at 50 Hz	≤56.5 dB(A)
Switch	No
Switch included	No
Input voltage 50 Hz	230 / 400 V
Input voltage 60 Hz	265 / 460 V
Input voltage(s)	230 / 400 V AC, 50 Hz 265 / 460 V AC (±5 %), 60 Hz
Mains cable included	No
Mains cable	No
Gas ballast flow	372 l/h
Gas ballast	Yes
Gas ballast pressure	≤1,200 hPa ≤900 Torr ≤1,200 mbar
Operating fluid	P3
Operating fluid amount	0.5 l

	$\leq 1 \cdot 10^{-7}$ mbar l/s
Leakage rate safety valve	$\leq 1 \cdot 10^{-5}$ Pa m ³ /s $\leq 7.5 \cdot 10^{-5}$ Torr l/s $\leq 1 \cdot 10^{-4}$ mbar l/s
Dimensions (L x W x H)	440 x 146 x 219 mm
Input voltage: tolerance	±5 %
Rated power 50 Hz	0.25 kW
Rated power 60 Hz	0.3 kW
Protection degree	IP66
Certification	CE
ATEX-certification	II 3/3G Ex h IIC T3 Gc X
Magnetic coupling	Yes

Order number	Duo 11 ATEX, 3-phase motor, 230/400 V, 50 Hz 265/460 V, 60 Hz, P3
Duo 11 ATEX, 3-phase motor, 230/400 V, 50 Hz 265/460 V, 60 Hz, P3	PK D59 905 D

Accessories	Duo 11 ATEX, 3-phase motor, 230/400 V, 50 Hz 265/460 V, 60 Hz, P3
Special gasballast valve for DUO 1,6 - DUO 11	PK E09 002 -T
Pumping system for Duo 11 ATEX Cat. 3G, prepared for P3, tested	PK E03 034 CT
Maintenance kit, level I, for Duo 1.6 - 11, Uno 6	PK E01 050 CT



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