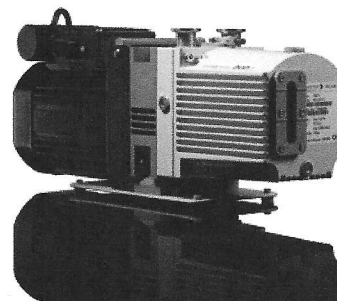




Duo 20 MC, 1-phase motor, 200-230 V, 50 Hz; 200-240 V, 60 Hz

Overview

Technical data

Ambient temperature	12-40 °C 53.6-104 °F 285-313 K
Cooling method, standard	Air
Corrosive gas version	yes
Emission sound pressure level without gas ballast at 50 Hz	≤ 57 dB (A)
Exhaust pressure, max.	1,500 hPa 1,125 Torr 1,500 mbar
Exhaust pressure, min.	250 hPa 187.5 Torr 250 mbar
Flange (in)	DN 25 ISO-KF
Flange (out)	DN 25 ISO-KF
Leak rate magnetic coupling	$\leq 1 \cdot 10^{-6} \text{ Pa m}^3/\text{s}$ $\leq 7.5 \cdot 10^{-6} \text{ Torr l/s}$ $\leq 1 \cdot 10^{-5} \text{ mbar l/s}$
Leak rate safety valve	$\leq 1 \cdot 10^{-5} \text{ Pa m}^3/\text{s}$ $\leq 7.5 \cdot 10^{-5} \text{ Torr l/s}$ $\leq 1 \cdot 10^{-4} \text{ mbar l/s}$
Magnetic coupling	yes
Mains cable	yes
Mains requirement: voltage (selectable)	100-110, 50 Hz; 100-120, 60 Hz V
Mains requirement: voltage 50 Hz	200-230 (± 5 %) V
Mains requirement: voltage 60 Hz	200-240 (± 5 %) V
Operating fluid	F4
Operating fluid filling	1.1 l
Protection category	IP 54
Pumping speed at 50 Hz	20 m ³ /h
Pumping speed at 60 Hz	24 m ³ /h
Rated power 50 Hz	0.75 kW
Rated power 60 Hz	0.90 kW
Rotation speed at 50 Hz	1500 min ⁻¹
Rotation speed at 60 Hz	1800 min ⁻¹
Switch	Yes, with 2 m mains cable and safety plug
Ultimate pressure with gas ballast	$7 \cdot 10^{-3} \text{ hPa}$ $5.25 \cdot 10^{-3} \text{ Torr}$ $7 \cdot 10^{-3} \text{ mbar}$
Ultimate pressure without gas ballast	$4 \cdot 10^{-3} \text{ hPa}$ $3 \cdot 10^{-3} \text{ Torr}$ $4 \cdot 10^{-3} \text{ mbar}$
Weight	44 kg 97 lb
Typical ultimate pressure according to PNEUROP	

Accessories

Accessories

KAS 25 C, condensate separator, corrosive version for pumping speeds up to 34 m³/h (PK Z10 406)

Oil return unit from ONF 25 M, 25 L, 25 XL (PK 196 177 -T)

ONF 025 C, oil mist filter, corrosive gas version up to 24 m³/h (PK Z40 406)

Accessories UnoLine

KLF 025, cold trap (PK Z80 006)

Oil pressure switch for Duo 5/10/20 M and Penta 20/35 (PK 196 484 -T)

Operations monitoring unit 1 for Duo 1.6/3/6/11 and Duo 5/10/20 M (PK 196 157 -T)

Operations monitoring unit 2 for Duo 1.6/3/6/11 and Duo 5/10/20 M (PK 196 142 -T)

Operations monitoring unit 3 for Duo 1.6/3/6/11 and Duo 5/10/20 M (PK 196 141 -T)

Accessories UnoLine Plus

PTC-resistor tripping device (P 4768 051 FQ)

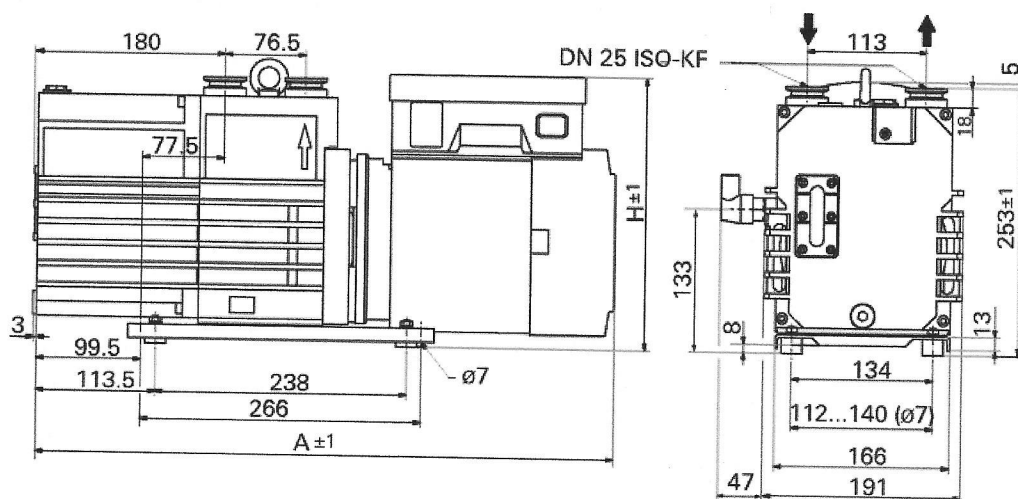
Consumable

F4, Perfluoropolyether, 0.25 l (PK 005 885 -T)

F4, Perfluoropolyether, 0.5 l (PK 005 886 -T)

F4, Perfluoropolyether, 1 l (PK 005 887 -T)

Dimensions



A 551 mm

H 262 mm

Characteristic