



**DuoVane 70, 3-phase
motor, PTC, 230/400 V,
50 Hz | 265/460 V, 60 Hz**

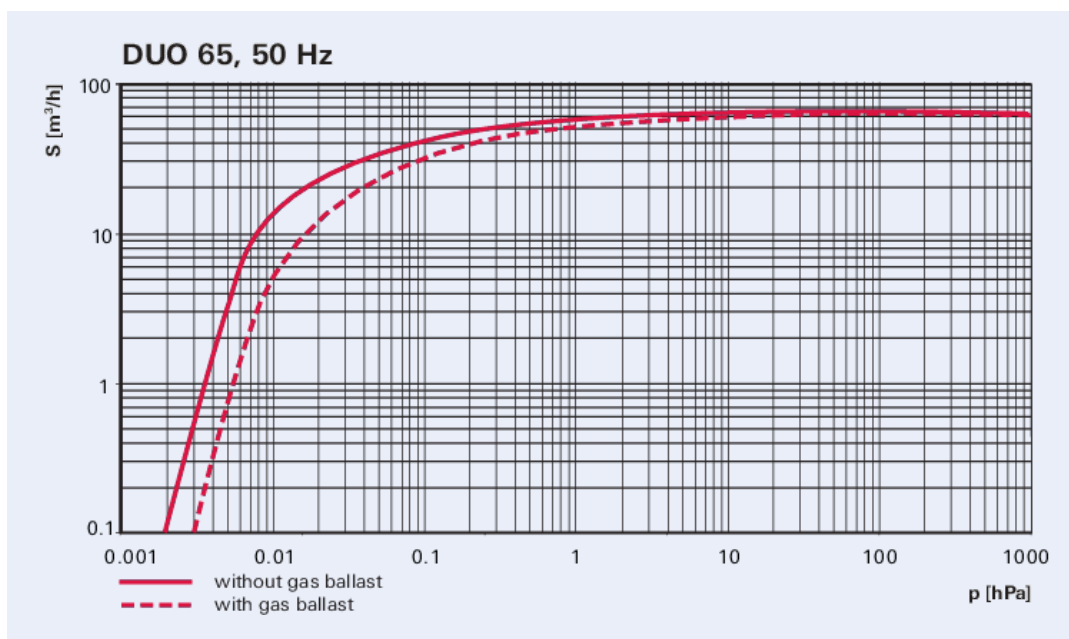


Illustration only

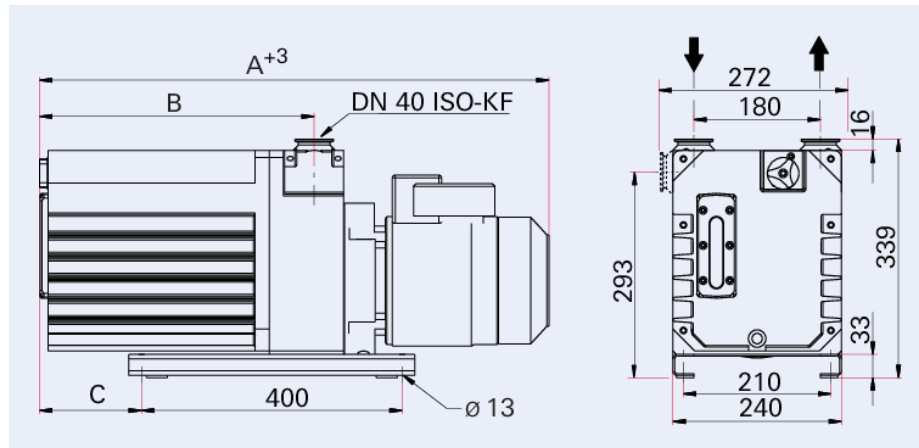
DuoVane 70, 3-phase motor, PTC, 230/400 V, 50 Hz | 265/460 V, 60 Hz

- Dual-stage, high-performance rotary vane pump with a pumping speed up to 70 m³/h
- With 3-phase motor
- With temperature sensor (PTC) for optimum motor protection
- Integrated gas ballast and HV safety valve
- For all low and medium vacuum applications
- Special feature: Various motor voltages for worldwide employment

Characteristics



Dimensions



A	725 mm
B	392 mm
C	146 mm

Technical Data	DuoVane 70, 3-phase motor, PTC, 230/400 V, 50 Hz 265/460 V, 60 Hz
Gas ballast	Yes
Operating fluid	P3
Cooling method	Air (Forced convection)
Motor type	3-phase motor
Vacuum range min	$3 \cdot 10^{-3}$ hPa
Vacuum range max	$2 \cdot 10^{-3}$ hPa
Ambient temperature	12 – 40 °C
Temperature: Storage, max	55 °C
Temperature: Storage, min	-25 °C
Input voltage(s)	230 / 400 V AC, 50 Hz 265 / 460 V AC (±5 %), 60 Hz
Ultimate pressure with gas ballast	$3 \cdot 10^{-3}$ hPa $2.25 \cdot 10^{-3}$ Torr $3 \cdot 10^{-3}$ mbar
Gas ballast pressure	1,500 hPa 1,125 Torr 1,500 mbar
Leakage rate safety valve	$1 \cdot 10^{-5}$ Pa m ³ /s $7.5 \cdot 10^{-5}$ Torr l/s $1 \cdot 10^{-4}$ mbar l/s
Continuous gas input temperature, max.	40 °C 104 °F 313.2 K
Exhaust pressure, max.	1,500 hPa 1,125 Torr 1,500 mbar
Gas ballast flow	1,800 l/h
Rotation speed at 60 Hz	1,800 rpm 1,800 min ⁻¹
Rotation speed at 50 Hz	1,500 rpm 1,500 min ⁻¹
Pumping speed at 60 Hz	70 m ³ /h 41.2 cfm 1,166.69 l/min
Pumping speed at 50 Hz	62 m ³ /h 36.4932 cfm 1,033.354 l/min
Switch	No
Exhaust pressure, max.	1,500 hPa
Gas ballast flow	1,800 l/h
Gas ballast pressure	1,500 hPa
Motor protection	PTC
Mains cable	No
Rated power 50 Hz	1.5 kW
Rated power 60 Hz	1.8 kW
Final pressure with gas ballast	$3 \cdot 10^{-3}$ hPa
Dimensions (L x W x H)	728 x 240 x 340 mm
Number of pumping stages	Two stage
Rotation speed at 60 Hz	1,800 rpm
Rotation speed at 50 Hz	1,500 rpm
Operating fluid amount	4.2 l

Weight	75 kg
Pumping speed at 60 Hz	70 m³/h
Pumping speed at 50 Hz	62 m³/h
Connection flange (in)	DN 40 ISO-KF
Connection flange (out)	DN 40 ISO-KF

Order number	DuoVane 70, 3-phase motor, PTC, 230/400 V, 50 Hz 265/460 V, 60 Hz
DuoVane 70, 3-phase motor, PTC, 230/400 V, 50 Hz 265/460 V, 60 Hz	PK D46 602 F

Accessories	DuoVane 70, 3-phase motor, PTC, 230/400 V, 50 Hz 265/460 V, 60 Hz
Set of seals for UNO/DUO 35/65 Standard, M, MC	PK E20 001 -T
Maintenance kit for UNO / DUO 35/65	PK E21 001 -T
Maintenance kit, level 1 for Uno/Duo 35/65 RWDR / M / C / MC	PK E21 005 -T
Overhaul kit for DUO 65	PK E22 011 -T
Pumping system for DUO 65 tested with operating fluid P3	PK E23 006 -T
HV valve kit for UNO/DUO 35/65	PK E24 001 -T
Pressure valve kit for DUO 65 / 65 M	PK E25 004 -T
Coupling kit for UNO/DUO 35/35C/65/C	PK E26 001 -T
Set of vanes for DUO 65 / 65 M	PK E28 005 -T



伯东企业（上海）有限公司
HAKUTO ENTERPRISES (SHANGHAI) LTD.
TEL: (86) 21-5046 3511

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伯东企业（上海）有限公司 销售及售后服务中心

上海浦东新区新金桥路1888号36号楼7楼702室

电 话：+86-21-5046-3511 / 139-1883-7267

传 真：+86-21-5046-1490

官 网：<http://www.hakuto-vacuum.cn>

