



**Hena 61, 3-phase motor,
190–200/380–400 V, 50
Hz | 208/220/230/440/460 V, 60 Hz**

Technical Data	Hena 61, 3-phase motor, 190–200/380–400 V, 50 Hz 208/220/230/440/460 V, 60 Hz
Nominal pumping speed at 50 Hz	63 m ³ /h 37.08 cfm 1,050 l/min
Nominal pumping speed at 60 Hz	76 m ³ /h 44.73 cfm 1,266.67 l/min
Protection degree	IP55
Final pressure with gas ballast	≤ 1.5 hPa ≤ 1.12 Torr ≤ 1.5 mbar
Final pressure without gas ballast	≤ 1.5 · 10 ⁻¹ hPa ≤ 1.12 · 10 ⁻¹ Torr ≤ 1.5 · 10 ⁻¹ mbar
Rated power 50 Hz	2 kW
Rated power 60 Hz	2.4 kW
Motor type	3-ph motor
Motor protection	PTC
Mains cable	No
Water vapor capacity 50 Hz	1800 g/h
Water vapor capacity 60 Hz	1800 g/h
Water vapor tolerance at 50 Hz	40 hPa 30 Torr 40 mbar
Water vapor tolerance at 60 Hz	40 hPa 30 Torr 40 mbar
Cooling method	Air
Ambient temperature	5-35 °C 41-95 °F 278-308 K
Continuous inlet pressure, max.	800 hPa 600 Torr 800 mbar
Exhaust pressure, max.	Atmospheric pressure
Exhaust pressure, min.	Atmospheric pressure
Emission sound pressure level without gas ballast at 50 Hz	≤ 64 dB(A)
Emission sound pressure level without gas ballast at 60 Hz	≤ 67 dB(A)
Gas ballast	Yes
Operating fluid	P3
Operating fluid amount	2 l
Rotation speed at 50 Hz	1,500 rpm 1,500 min ⁻¹
Rotation speed at 60 Hz	1,800 rpm 1,800 min ⁻¹
Leakage rate safety valve	≤ 8 · 10 ⁻³ Pa m ³ /s ≤ 6 · 10 ⁻² Torr l/s ≤ 8 · 10 ⁻² mbar l/s
Dimensions (L x W x H)	633 x 408 x 292 mm 24.92 x 16.06 x 11.5 inch
Weight	64.5 kg 142.2 lb
Connection: Atmospheric side	Female thread G 1¼"
Connection: Vacuum side	Female thread G 1¼"

Order number	
Hena 61	PK D04 121 112

Accessories	
Connections Screw-in flanges	
Screw-in flange DN 40 ISO-KF / G 1 1/4"	PK 300 525
Flanges/Ports Blank flanges	
Closing screw A2B, G 1/8 A with sealing FPM acc. DIN 3852 form E, DIN 3869	N 3191 431 5P
Monitoring Oil/Operating fluid level monitoring	
Operating fluid level switch	PK 100 138 -T
Monitoring Saturation indicators	
Manometer for monitoring the operating fluid separator G 3/4"	PK 100 126
Protection Activated carbon filters	
FAK 040, activated carbon filter	PK Z30 008
Protection Condensate separators	
KAS 40, condensate separator for pumping speeds up to 120 m ³ /h	PK Z10 008
Protection Dust separators/Inlet particle filters	
SAS 40, dust separator, DN 40 ISO-KF	PK Z60 510
Protection Motor protection	
PTC-resistor tripping device for motor protection 24 V AC/DC	P 4768 052 FE
PTC-resistor tripping device for motor protection 220 – 240 V AC	P 4768 052 FQ
Protection Sorption traps, corrosive version	
Sorption trap ST 40, 230 V (without Adsorbed Charge)	053380
Sorption trap ST 40, 115 V (without Adsorbed Charge)	104371
Valves Gas ballast valves, magnetic	
Gas ballast valve with solenoid valve, 24 V DC, for Hena 60/61	PK 100 143 -U
Valves Gas ballast valves, manual	
Gas ballast valve manually actuated	PK 100 150
Consumables	
P3, mineral oil, 1 l	PK 001 106 -T
P3, mineral oil, 5 l	PK 001 107 -T
P3, mineral oil, 20 l	PK 001 108 -T

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