

FORCE MASTER

Application

Suitable for domestic hot water systems including mixed-water underfloor heating, air-energy hot water circulation, solar hot water circulation, and household hot/cold water pressurization circulation.



Main features

- Permanent magnet synchronous motor, copper enameled wire, NdFeB magnet.
- Compact structure, quiet operation (<58 dB).
- Energy-efficient variable frequency control.
- Easy installation and reliable operation.
- Low standby power consumption ($\leq 10\text{W}$).
- Built-in check valve.

Working condition

- Max ambient temperature: $+40^{\circ}\text{C}$
- Voltage: AC 230V / 50Hz
- Protection class: IP44
- Insulation grade: F
- Maximum operating pressure: 10 bar
- Liquid temperature: $0^{\circ}\text{C} - 50^{\circ}\text{C}$
- PH range of liquid: 6.5 – 8.5
- Max solid particle content: $\leq 0.1\%$, particle size $\leq 0.1\text{ mm}$



Max. Flow Rate
5,5m³/h

Max. Pump Head
45 m

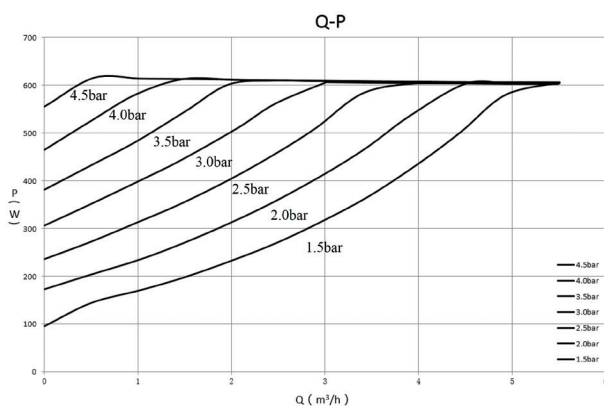
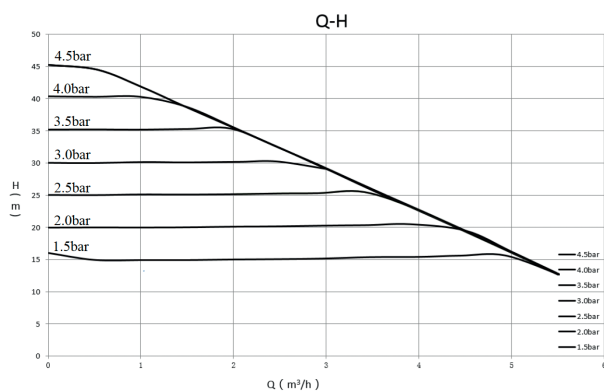
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Inlet and Outlet Diameter: DN 25

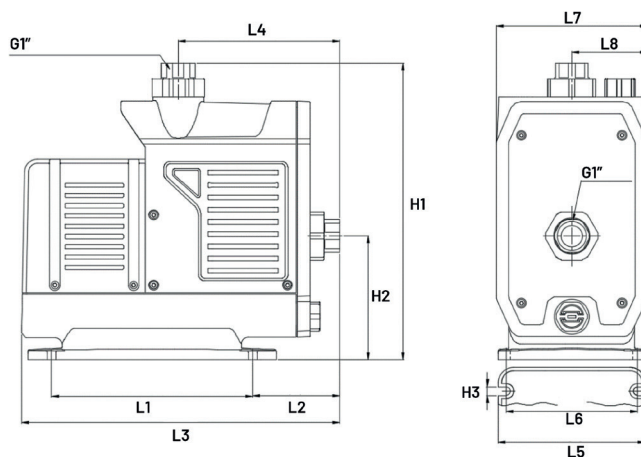
Nameplate

DUCA® FORCE MASTER			
Power Frequency	220V / 50HZ	Medium Temperature	0°C - 50°C
MAX Compression	10 Bar	Insulation Class	F
MAX Head	45m	Rated Head	30m
MAX Traffic	5.5 m ³ /h	Rated Flow	3 m ³ /h
Input Power	600W	Protection Level	IP 44
Rated Current	2.9A	Working System	S1
TF	50°C	Motor Steering	Pump port Counterclockwise

Performance Curve



Dimension



L1 230 mm

L2 99 mm

L3 365 mm

L4 184.5 mm

L5 168 mm

L6 150 mm

L7 174 mm

L8 87 mm

H1 339 mm

H2 141 mm

H3 10 mm

G 1"

