

# PRISMA 45 4 N

*Horizontal centrifugal multistage pump for water supply.*

PUMP DESCRIPTION

Pumping of clean water for domestic, industrial, agricultural and gardening purposes. Suitable for applications like water transfer, sprinkler or drip irrigation, domestic booster or booster sets. Silent. Self-priming up to 2m.

## PRODUCT INFORMATION

| | |
|---|---|
| Maximum height (m) | 47 |
| Maximum flow (m3/h) | 13 |
| Voltage (V) | 230/400 |
| Frequency (Hz) | 50 |
| Input power P1 (kW) | 2.2 |
| Intensity (A) | 6,9/4 |
| Pressure range (m) | 47-20 |
| Motor power P2 (kW) | 1.5 |
| Maximum working pressure (bar) | 12 |
| Number of motor phases | three-phase |
| Number of poles | 2 |
| Number of impellers | 4 |
| On/off switch | No |
| Plug type | without plug |
| Minimum flow (m3/h) | 1.3 |

## FEATURES

### ELECTRICAL FEATURES

| | | | |
|---|---|---|---|
| Electrical isolation | F Class | Protection rating | IPX5 |
| Motor type | Asynchronous | Service factor | S1 |

### LIMITATIONS

| | | | |
|---|---|---|---|
| Maximum suction (m) | 2 | Water temperature (°C) | Max: 40 |

### MATERIALS

| | | | |
|---|---|---|---|
| Mechanical seal | Aluminium-Graphite | Suction body | Cast iron |
| Pump body | Stainless steel AISI 304 | Discharge body | Cast iron |
| Diffuser/s | Technopolymer | Pump shaft | Stainless steel AISI 420 |
| Motor casing | Aluminium | Impeller/s | Stainless steel AISI 304 |
| O-rings | NBR/EPDM | | |

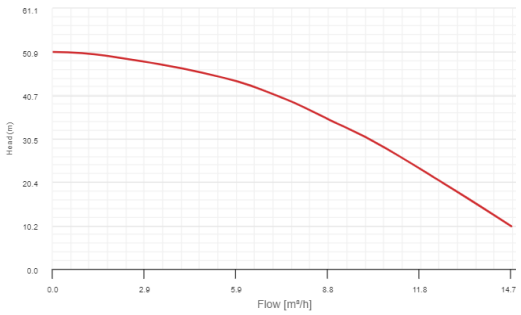
### MANUFACTURING FEATURES

| | | | |
|---|---|---|---|
| Suction diameter | 1 1/2" | Discharge diameter | 1 1/4" |
| Motor cooling | Fan | Seal type | Mechanical seal |
| Suction connection type | Thread | Discharge connection type | Thread |

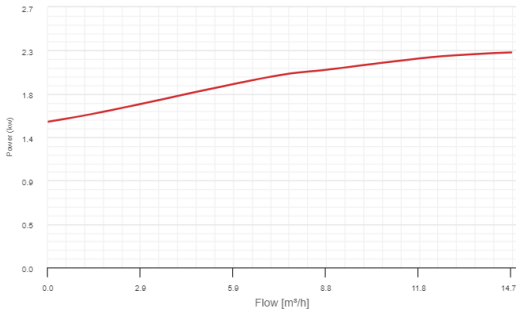
## SPECIFICATIONS

**PERFORMANCE**
Frequency and Units

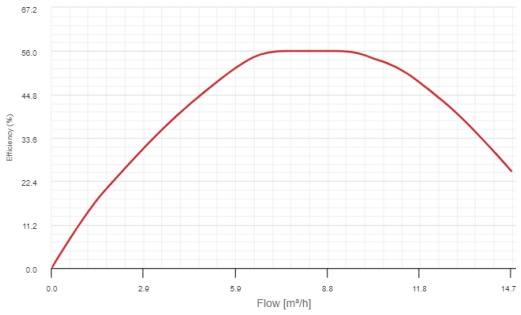
HEAD




POWER




EFFICIENCY




HYDRAULIC DATA — PRISMA 45 4 N three-phase Model

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Flow (Q) m3/h | 0.0 | 1.7 | 5.4 | 7.5 | 8.9 | 10.3 | 12.5 | 14.7 |
| Flow (Q) l/min | 0.0 | 28.3 | 90.6 | 124.5 | 147.6 | 171.7 | 208.6 | 244.9 |
| Head (H) m | 50.9 | 50.0 | 44.9 | 39.8 | 35.0 | 29.8 | 20.1 | 10.0 |