

PRISMA 45 3 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)	36
Maximum flow (m3/h)	13
Voltage (V)	230/400
Frequency (Hz)	50
Input power P1 (kW)	1.7
Intensity (A)	5,2/3
Pressure range (m)	36-14
Motor power P2 (kW)	1.1
Maximum working pressure (bar)	12
Number of motor phases	three-phase
Number of poles	2
Number of impellers	3
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		

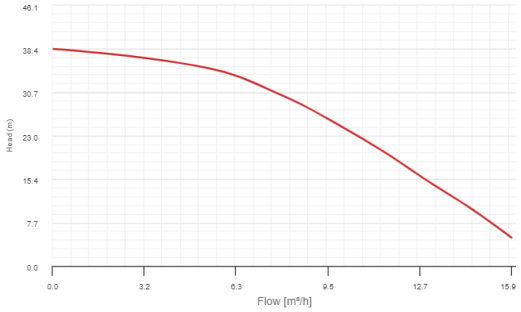
MANUFACTURING FEATURES

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

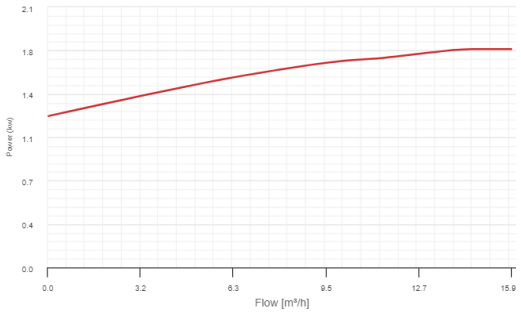
SPECIFICATIONS

PERFORMANCE
Frequency and Units

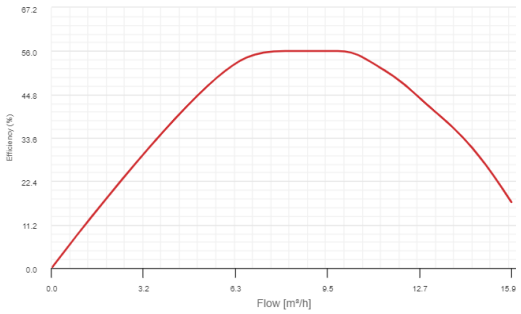
HEAD



POWER



EFFICIENCY



HYDRAULIC DATA — PRISMA 45 3 N three-phase Model

Flow (Q) m3/h	0.0	5.4	8.0	9.9	11.5	12.9	14.5	15.8
Flow (Q) l/min	0.0	89.5	134.0	164.1	190.9	215.7	241.2	263.7
Head (H) m	38.4	35.0	29.9	25.0	20.1	15.0	10.0	5.0