

# VMHP520-5

VMHP (R/O high-pressure) | High-pressure seawater desalination pump



CNP-M-000921

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## FLOW RANGE

200 - 540 m<sup>3</sup>/h

## HEAD RANGE

533 - 678 m

## MOTOR

1120 kW

## SPEED

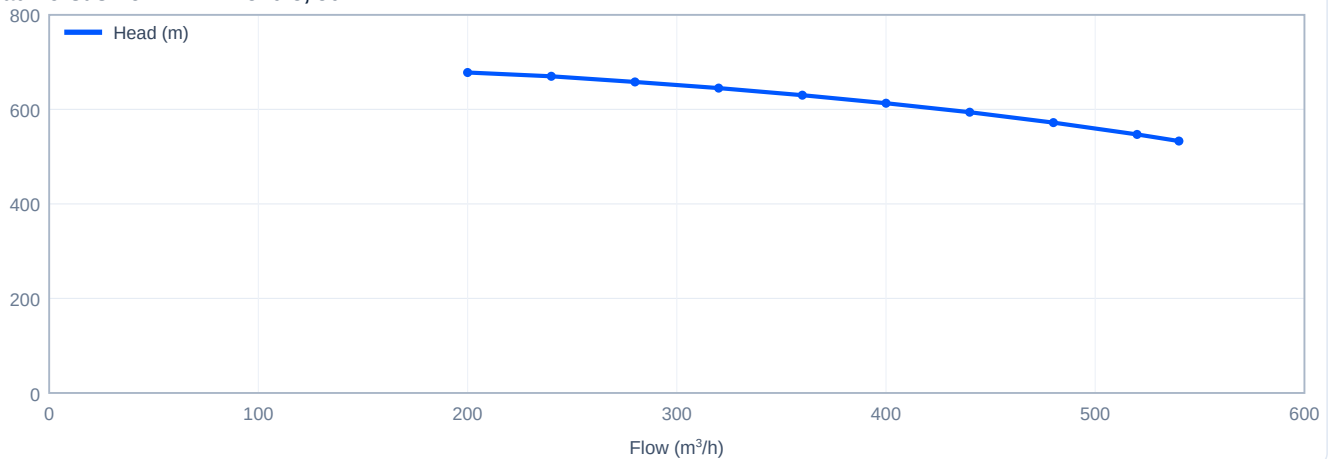
2950 rpm

## Specifications

|                 |                                                             |
|-----------------|-------------------------------------------------------------|
| Series          | VMHP (R/O high-pressure)                                    |
| Size            | VMHP520-5                                                   |
| Mains frequency | 50 Hz                                                       |
| Speed           | 2950 rpm                                                    |
| Motor power     | 1120 kW                                                     |
| Max pressure    | 75 bar                                                      |
| Connection      | See model dimensions                                        |
| Weight          | 12090 kg                                                    |
| Data basis      | Published performance curve (Technical data, printed p. 12) |

## Performance curve

Head versus flow - VMHP520-5, 50 Hz



Efficiency, shaft power and NPSHr are not published for this model in the source catalogue.

## Performance table

| Flow (m <sup>3</sup> /h) | Head (m) |
|--------------------------|----------|
| 200                      | 678      |
| 240                      | 670      |
| 280                      | 658      |
| 320                      | 645      |
| 360                      | 630      |



| Flow (m³/h) | Head (m) |
|-------------|----------|
| 400         | 613      |
| 440         | 594      |
| 480         | 572      |
| 520         | 547      |
| 540         | 533      |

Dimensions (mm)

| Code             | Description                  | Value |
|------------------|------------------------------|-------|
| L                | L — overall length           | 5473  |
| base_length      | Base length                  | 5000  |
| flange_inlet_dn  | Inlet flange DN (Class 600)  | 250   |
| flange_outlet_dn | Outlet flange DN (Class 600) | 200   |
| -                | Net weight                   | 12090 |

Dimension codes follow the CNP catalogue drawing. Confirm installation dimensions with the approved drawing before civil or piping work.

Performance is for clean water at 20 °C unless stated, per the CNP published catalogue. Tolerances follow ISO 9906. This datasheet is for selection guidance; final selection, materials and price are confirmed in our written quotation. Reference SR-261028-DE7B5. Contact: +92 345 9547419 sales@cnppakistan.com