# HS Series


Tested in compliance with
AS/NZS 4020
for use in contact with safe drinking water

Model Numbers:
HS50-06 & HS60-08

HOME & GARDEN

# ROBUST MULTISTAGE CORROSION RESISTANTPUMP

## APPLICATION

Ideal for pumping clean, non-volatile liquids without fibres or solids in such applications as household water supply, irrigation, water transfer, washing systems and pressure boosting.

## FEATURES & BENEFITS

### PUMP

- 4 stage (impeller) design
- Unique floating impeller neckrings provide outstanding efficiency without compromising grit handling
- Closed vane impellers – "half blind" design maximise performance and help improve waterway clearances to reduce impeller blockages
- Air purging valve for easy installation and priming
- Manufactured from quality corrosion resistant materials
- Stainless steel pump shaft
- 304 stainless steel casing
- Mechanical shaft seal
- O-ring casing seal

### MOTOR

- Davey manufactured
- TEFC with IP55 enclosure, corrosion resistant and protected against entry of dust and dirt
- Class F insulation
- Permanently split capacitor design
- Double contact C3-HTG sealed bearings
- In-built thermal overload protection
- Plastic feet on motor shell
- Heavy duty cast aluminium lantern bracket and drive end shield

- Motor and pump designed for frequent starts
- Quick and easy installation
- Low maintenance
- Easy to service if required

# Home Pressure Systems

| OPERATING LIMITS | |
|---|---|
| Capacities to | 110 lpm |
| Maximum total head | 50m |
| Maximum suction head | 6m |
| Maximum water temperature | 50°C |
| Maximum ambient temperature | 50°C |
| Minimum water temperature | 1°C |
| Inlet size | 1¼" BSP (F) |
| Outlet size | 1" BSP (F) |
| Maximum casing pressure | 1,000kPa |

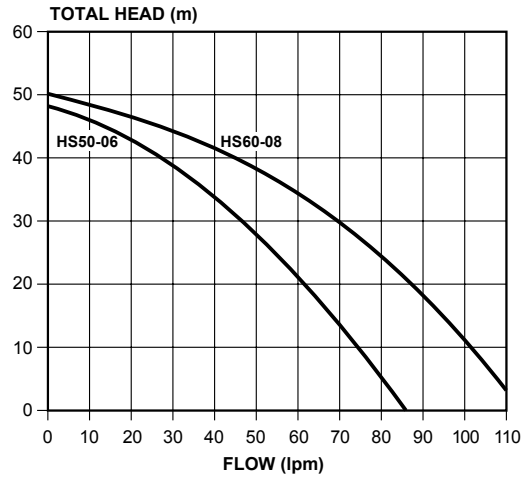
| MATERIALS OF CONSTRUCTION | |
|---|---|
| PART | MATERIAL |
| Impellers | Glass filled polycarbonate |
| Lock nut | 304 stainless steel |
| Pump casing | 304 stainless steel |
| Pump backplate | 304 stainless steel |
| Pump shaft | 304 stainless steel |
| Neckrings | Polypropylene |
| Seal ring (stationary) | Ceramic |
| Seal ring (rotating) | Carbon (synthetic) |
| Seal spring | 304 stainless steel |
| O-rings | Nitrile rubber |
| Motor shell | Marine grade aluminium |
| Stage body | Glass filled noryl & 304 SS |
| Priming plug | Glass filled noryl |
| Lantern/DE endshield | Marine grade aluminium |
| Shell & lantern finish | Baked polyester |

## INSTALLATION AND PRIMING

- Installations with suction lift require a good quality foot valve to avoid loss of prime - refer to installation and operating instructions for Torrium® or RainBank® where applicable.
- To prime, fill pump body and suction line through priming plug hole located above suction inlet and replace plug.

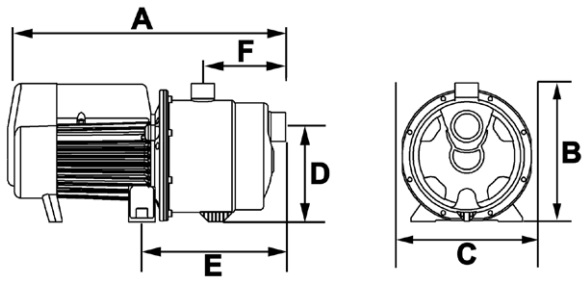
| ELECTRICAL DATA | | |
|---|---|---|
| **Model** | **HS50-06** | **HS60-08** |
| Supply Voltage | 220-240V | |
| Supply frequency | 50Hz | |
| Full load current | 3.8A | 4.9A |
| Locked rotor current | 12.0A | 18.0A |
| Input power ($P_1$) | 0.89kW | 1.1kW |
| Output power ($P_2$) | 0.6kW | 0.76kW |
| Enclosure class | IP55 | |
| Insulation class | Class F | |
| Starting | P.S.C. | |

## HYDRAULIC PERFORMANCE




## DIMENSIONS (MM)

| Model | A | B | C | D | E | F | Mounting Holes Diameter | Net Weight (kg) |
|---|---|---|---|---|---|---|---|---|
| **HS50-06** | 405 | 212 | 205 | 145 | 222 | 126 | 10 @ 140 centres | 8.8 |
| **HS60-08** | 430 | | | | | | | 10.3 |



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