YOU CAN DEPEND ON
DAVEY



DAVEY
HS Series

MODEL NUMBERS:
HS50-06 & HS60-08

GUARANTEE
2 YEARS

APPLICATIONS

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.

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

HORIZONTAL PRESSURE PUMP

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

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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

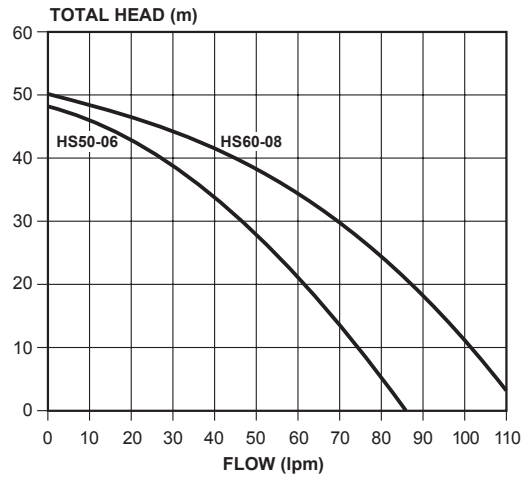
MATERIALS OF CONSTRUCTION	
PART	MATERIAL
Impellers	Glass filled polycarbonate
Lock nut	304 stainless steel
Pump casing	304 stainless steel
Pump backplate	304 stainless steel
Pump shaft	304 stainless steel
Neckrings	Polypropylene
Seal ring (stationary)	Ceramic
Seal ring (rotating)	Carbon (synthetic)
Seal 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.

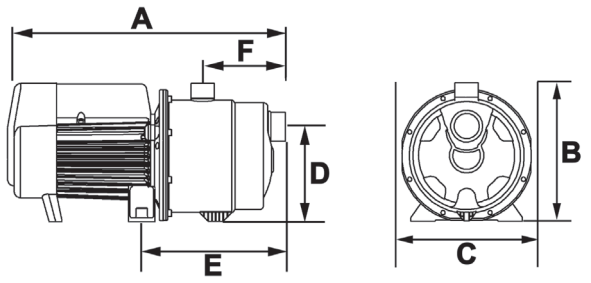
ELECTRICAL DATA		
Model	HS50-06	HS60-08
Supply Voltage	220-240V	
Supply frequency	50Hz	
Full load current	3.8A	4.9A
Locked rotor current	12.0A	18.0A
Input power (P_1)	0.89kW	1.1kW
Output power (P_2)	0.6kW	0.76kW
Enclosure class	IP55	
Insulation class	Class F	
Starting	P.S.C.	

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



H/O & MFG SCORESBY
Certified System Quality ISO 9001
Certified System Environment ISO 14001

daveywater.com

This literature is not a complete guide to product usage. All images provided in this document are for illustration purposes only. Further information is available from your Davey Dealer, Davey Support Centre and from the relevant product Installation and Operating Instructions. Must be read in conjunction with the relevant product Installation and Operating Instructions and all applicable statutory requirements. Product specifications may change without notice.
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