

Model Numbers:
HS50-05, HS50-06, HS60-06 & HS60-08

DEPEND ON
DAVEY

TECHNICAL SPECIFICATIONS



TRANSFER PUMPS

PRODUCT DESCRIPTION

Robust & compact, 3 or 4 stage centrifugal pumps with corrosion resistant componentry and driven by a TEFC motor. Designed for total head duties to 50 m and flows to 110lpm

APPLICATIONS

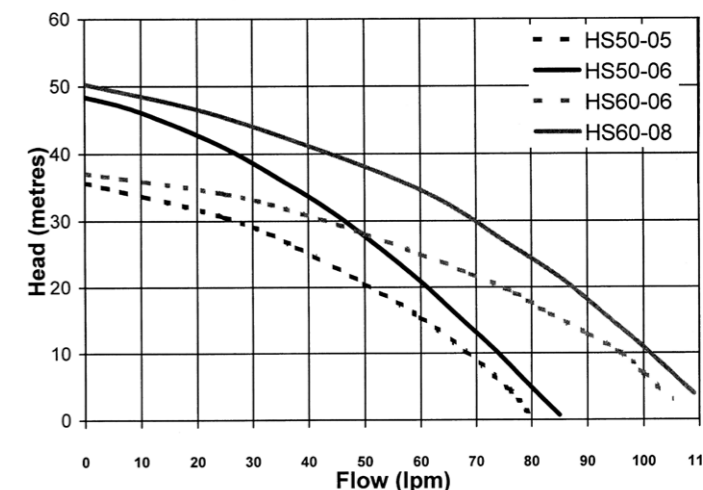
Ideal for pumping clean, non-volatile liquids without fibres or solids in such applications as:-

- Household supply
- Irrigation
- Water transfer
- Washing systems
- Pressure Boosting

MATERIALS OF CONSTRUCTION

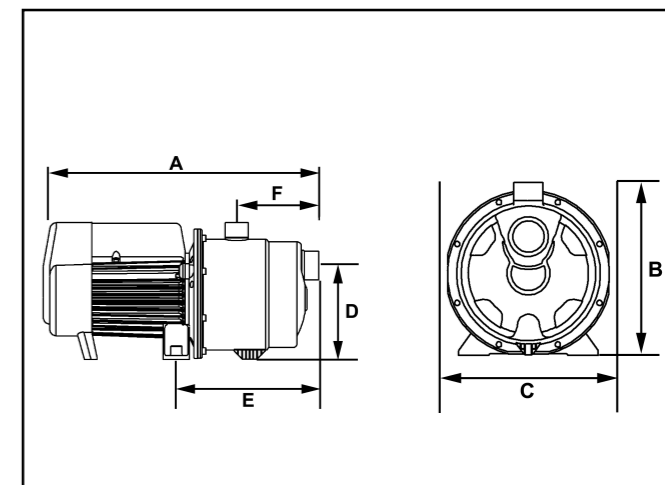
PART	MATERIAL
Impellers	Glass filled polycarbonate
Lock nut	304 stainless steel
Pump casing	304 stainless steel
Pump backplate	304 stainless steel
Pump shaft	303 stainless steel
Neckrings	Polypropylene
Seal ring (stationary)	Ceramic
Seal ring (rotating)	Carbon (synthetic)
Seal spring	304 stainless steel
Orings	Nitrile rubber
Stage body	Glass filled noryl
Suction check valve	
Body	Polypropylene
Spring	304SS
Seal	Nitrile
Stage spacer	Glass filled nylon (3 stage models)
Priming plug	Glass filled noryl
Motor shell	Marine grade aluminium
Lantern/DE endshield	Marine grade aluminium
Shell & Lantern finish	Baked polyester

HYDRAULIC PERFORMANCE



NOTE: All performance at 240V 50Hz

DIMENSIONS



MODEL	A	B	C	D	E	F	Mounting Holes Dia.	Inlet BSP	Outlet BSP	Net Weight kg.
HS50-05	405	212	205	145	222	126	10 @ 140 centres	1 1/4" F	1" F	8.9
HS50-06	405	212	205	145	222	126				8.8
HS60-06	405	212	205	145	222	126				8.9
HS60-08	430	212	205	145	222	126				10.3

All dimensions in mm unless otherwise stated.

ELECTRICAL DATA

	HS50-05	HS50-06	HS60-06	HS60-08
Supply voltage	220-240V			
Supply frequency	50Hz			
Full load current	3.2A	3.8A	3.5A	4.9A
Locked rotor current	12A	12A	12A	18A
Input power (P _i)	.74kW	.89kW	.82kW	1.1kW
Output power (P _o)	.53kW	.6kW	.57kW	.76kW
Enclosure class	IP55			
Insulation class	Class F			
Starting	P.S.C.			

NOTE: All performance at 240V 50Hz

INSTALLATION & PRIMING

- Installations with suction lift require a good quality foot valve to avoid loss of prime - remove inbuilt check valve
- To prime, fill pump body and suction line through priming plug hole located above suction inlet and replace plug.

Note: This literature is not a complete guide to product usage. Further information is available from your Davey dealer, Davey Customer Service Centre and from the relevant product Installation and Operating Instructions. This data sheet 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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DESIGN FEATURES

- PUMP**
- 3 or 4 stage (impeller) design
 - Unique floating impeller neckrings
 - Closed vane impellers - "half blind" design
 - Stainless steel pump shaft
 - 304 stainless steel casing
 - Inbuilt & removable inlet check valve
 - Mechanical shaft seal
 - Oring casing seal

- MOTOR**
- Davey manufactured TEFC with IP55 enclosure
 - Class F insulation
 - Permanently split capacitor design
 - Double contact C3-HTG sealed bearings
 - Inbuilt thermal overload protection
 - Plastic feet on motor shell
 - Heavy duty cast aluminium lantern bracket & drive end endshield
 - "Plug & Play" power lead

OPERATING LIMITS

Max. casing pressure	1000kPa	Max. Ambient Temp.	50°C
Capacities to	110 lpm	Max. Water Temp.	50°C
Max. Total Head	50 m	Min. Water Temp.	1°C
Max. Suction Head	6 m		

BENEFITS

- Unique floating neckrings provide outstanding efficiency without compromising grit handling
- "Half blind" impellers maximise performance and help improve waterway clearances to reduce impeller blockages
- Manufactured from quality corrosion resistant materials
- TEFC motor corrosion resistant and protected against entry of dust and dirt
- Motor and pump designed for frequent starts
- Quick and easy installation
- Low maintenance
- Easy to service if required
- Low pressure loss through removable inbuilt check valve
- "Plug & Play" power lead allows easy system upgrade to a automatic water pressure system



DEPEND ON
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