TECHNICAL BROCHURE

BHSC



HSC

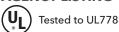
MULTI-STAGE CENTRIFUGAL PUMP



FEATURES

- Multi-stage Design: Provides steady, quiet and vibration-free operation for years of trouble-free service.
- Impellers: 20% glass-filled thermoplastic precision molded for high efficiencies.
- Compact Design: Close-coupled, space saving design provides easy installation. Flexible coupling and bedplate not required.
- Mounting: Can be mounted in vertical or horizontal position.
- Stainless Steel Pump Shaft: Hex design provides positive drive for impellers and eliminates clearance adjustments.
- Corrosion Resistant: Stainless steel wear rings and coverplates. Electro-coated paint process applied inside and out and then baked on.
- O-rings: Throughout for positive sealing.
- Easy to Service: Can be taken apart for service by removing four bolts.
- Motor: Close coupled design. Ball bearings carry all radial/axial thrust loads. Designed for continuous operation. All ratings are within working limits of the motor. Available from ¾ 3 HP.

AGENCY LISTING



SINGLE AND THREE PHASE MODELS

Stages	Order Numbers – ODP Motor		
	1Ø Model	3Ø Model	
2	HSC07	HSC07B	
2	HSC10	HSC10B	
2	HSC15	HSC15B	
3	HSC20	HSC20B	
3	HSC30	HSC30B	
	2 2 2 3 3 3	Stages 1Ø Model 2 HSC07 2 HSC10 2 HSC15 3 HSC20	

APPLICATIONS

Specifically designed for the following uses:

- Water circulation
- Booster service
- Liquid transfer
- Spraying systems
- Jockey pump service
- General purpose pumping

SPECIFICATIONS

Pump

• Capacities: to 50 GPM

• Pressures: to 100 PSI (230 feet)

• Pipe connections: 11/4" suction, 1" discharge

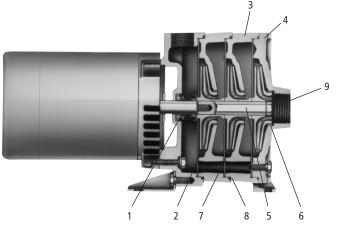
• Temperatures: to 180°F (82°C) maximum

• Maximum working pressure: 125 PSI

• Rotation: right hand, ie; clockwise when viewed from motor end.

Motor

- NEMA standard,¾ 1½ HP, 115/230 V;
 2 and 3 HP, 230 V, 60 Hz.
- Single phase ODP (standard)
- Three phase available
- 3500 RPM, ODP motors standard
- Built-in overload with automatic reset
- Capacitor type
- Stainless steel shaft
- TEFC and Explosion-proof motors available. See price book.



COMPONENTS

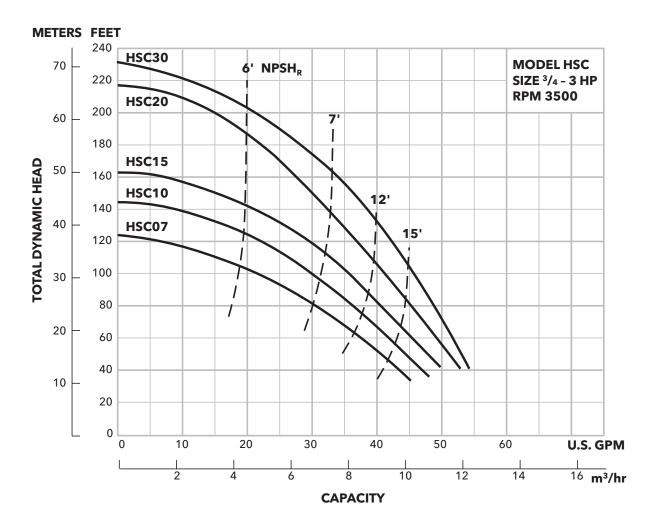
Item No.	Description		
1	Mechanical seal		
2	Impellers		
3	Intermediate stage		
4	Casing		
5	Stainless steel hex shaft		
6	Stainless steel wear rings		
7	Stainless steel cover plates		
8	O-ring seals		
9	Impeller bolt and washer		

DIMENSIONS AND WEIGHTS

Model	HP	Length	Width	Height	Weight (lbs.)
HSC07	3/4	15	8	9	53
HSC10	1	16	8	9	58
HSC15	1½	17	8	9	72
HSC20	2	19.7	8	9	75
HSC30	3	19.1	8	9	85

(All dimensions are in inches and weight in lbs. Do not use for construction purposes.)

PERFORMANCE CURVE



TO CONVERT FEET OF WATER TO PSI - DIVIDE FEET BY 2.31

Xylem | zīləm

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

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