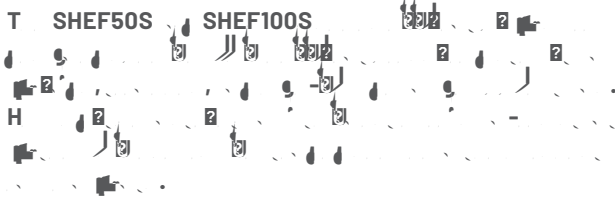
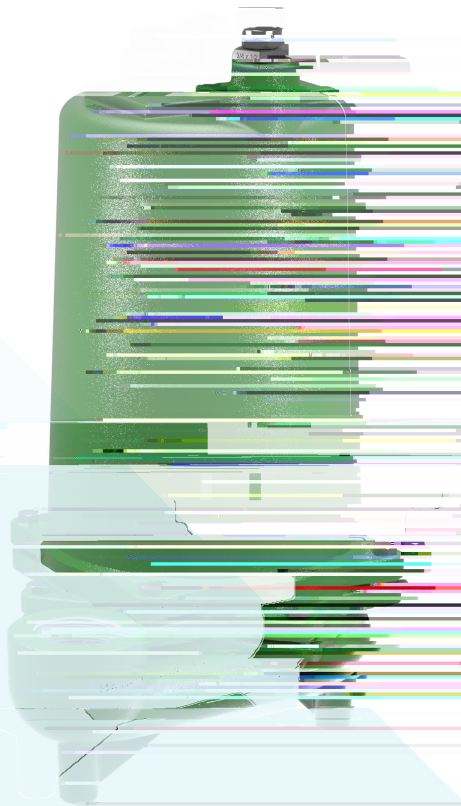


SHEF50S/SHEF100S SERIES



APPLICATIONS

Effluent removal, sump drainage, water transfer, flood control.



FEATURES

C I T : All cast-iron housing and volute case resists the most extreme corrosive environments.

H -E D : Engineered thermoplastic or bronze (optional) two-vane impeller provides ideal performance for efficient dosing.

J -P : Enclosed impeller design eliminates jamming between impeller and volute.

P -T : High-torque, permanent split capacitor (PSC) motor; no starting switches or relays to wear out.

R C : Rugged, oil-filled motor for bearing lubrication and maximum heat dissipation.

T -P : Heat sensor overload protection with automatic reset when motor cools to a safe operating temperature (single phase only).

SPECIFICATIONS

C : Max Flow is 112 GPM (423.9 LPM)

S -O H : Max shutoff is 85' (25.9 m)

M .S : 3/4" (19 mm)

L H : Domestic effluent and drain water

L L T : Up to 140°F (60°C)

M /E : 1/2 HP 115V, 230V 1Ø, 575V 3Ø; 1 HP 230V 1Ø, 230V, 575V 3Ø; oil-filled, permanent split capacitor type, 1Ø, 3450 RPM, 60Hz

A HR : 6-9

S G : .9-1.1

V : 28-35 SSU

D , NPT: 2" (50.8 mm)

H : Cast iron

V C : Cast iron

I : Thermoplastic

M, S D : Simplex: 24" (61.0 cm)
Duplex: 36" (91.4 cm)

P C : 20'

SUBMERSIBLE HIGH HEAD EFFLUENT

ELECTRICAL DATA

R.P.M.: 3450.

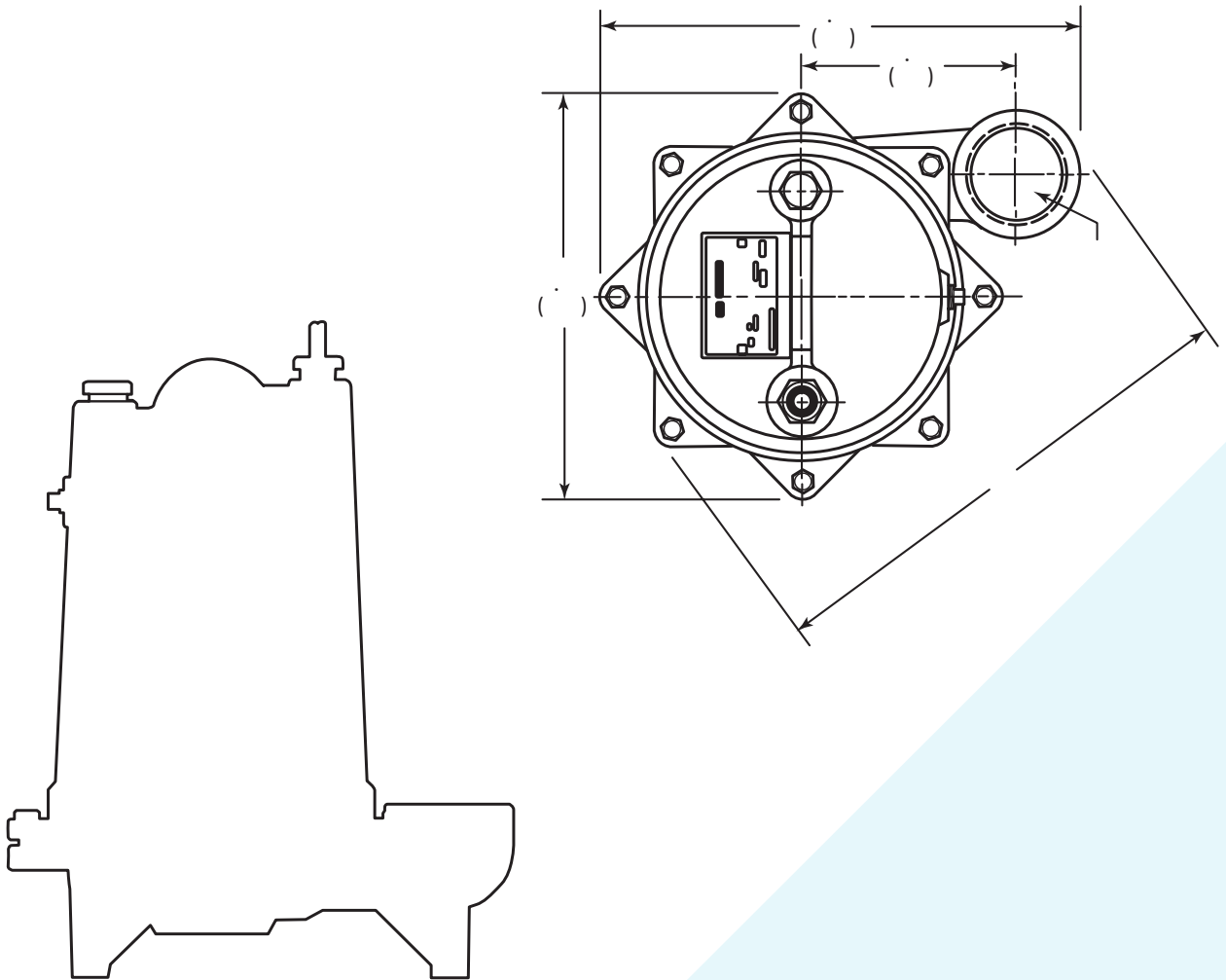
Motor: PSC Single Phase or 3Phase.

Motor Protection:

MODEL NUMBER	HP	VOLTS	PHASE/ CYCLES	DISCHARGE SIZE	SWITCH TYPE	APPROX CORD LENGTH	WT. LBS
SHEF100SA2 20	1	230	1/60	2"	Automatic	20'	83
SHEF100SM2 20	1	230	1/60	2"	Manual	20'	83
SHEF100SM3 20	1	230	3/60	2"	Manual	20'	83
SHEF100SM5 20	1	575	3/60	2"	Manual	20'	83
SHEF50SA1 20	1/2	115	1/60	2"	Automatic	20'	73
SHEF50SA2 20	1/2	230	1/60	2"	Automatic	20'	74
SHEF50SM1 20	1/2	115	1/60	2"	Manual	20'	73
SHEF50SM2 20	1/2	230	1/60	2"	Manual	20'	74
SHEF50SM5 20	1/2	575	3/60	2"	Manual	20'	74

DIMENSIONAL DATA

Measurements shown in inches (mm).



SUBMERSIBLE HIGH HEAD EFFLUENT

TECHNICAL DATA

PHYSICAL DATA

DISCHARGE SIZE	2" NPT
SOLIDS SIZE	SHEF50S, SHEF100S = 3/4"
IMPELLER TYPE	Enclosed, Two Vane
CABLE LENGTH	20' Standard
PAINT	Painted after assembly dark green, water reducible enamel, one coat, air dried.

TECHNICAL DATA

POWER CORD TYPE	SJ00W/S00W	
MATERIALS OF CONSTRUCTION	MOTOR HOUSING	Cast Iron
	CASING	Cast Iron
	IMPELLER	Thermoplastic
	MOTOR SHAFT	Stainless Steel
	HARDWARE	Stainless Steel
	O RINGS	

SUBMERSIBLE HIGH HEAD EFFLUENT

SPECIFICATIONS SHEET

G Contractor shall furnish all labor, materials, equipment and incidentals required to provide _____ (Qty.) submersible centrifugal high head effluent pump(s) as specified herein. The pump models covered in this specification are the SHEF 50S and SHEF100S. The pump furnished for this application shall be MODEL _____ as manufactured by Hydromatic Pumps.

D - Each pump shall be rated _____ H.P., _____ volts, _____ phase, _____ hertz and operate at _____ RPM.

O - The pump shall deliver _____ U.S. GPM/LPS at feet/meters TDH, and handle a _____ inch solid. The curve submitted for approval shall state, in addition to head and capacity performance, solid handling capability, amp rating, and design impeller diameter.

C - Each pump shall be of the sealed submersible type, incorporating features normally found in pumps furnished for the residential market.

These features include:

1. The pump volute, motor, and seal housing shall be high quality gray cast iron, ASTM A-48, Class 30.
2. The pump inlet shall be open and clear, without screening to provide access for effluent and septic tank solids.
3. All external mating parts shall be machined and Buna N, O-Ring s_aA5ffluent and sep___ H.P. The c. 2.04es1aw4.1 sUd .u67wa49 and.g shallP A..u67wa49