

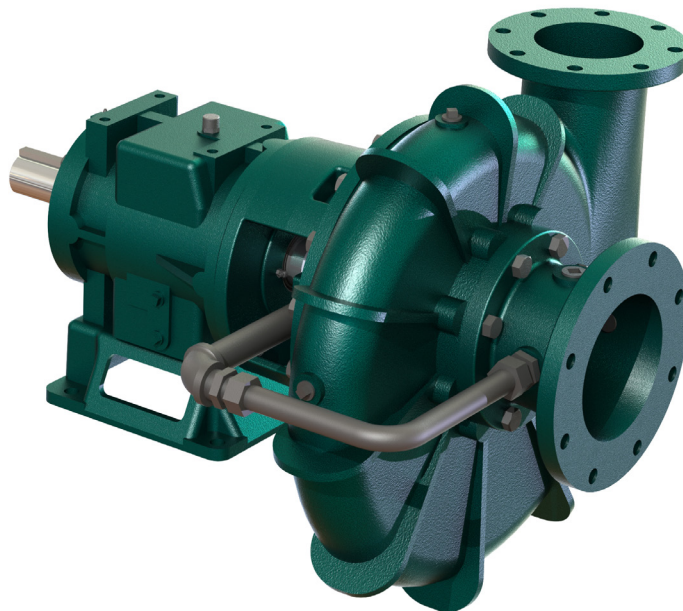


AVAILABLE MOUNTING CONFIGURATIONS

- 6HH-RP-F REDI-PRIME FRAME MOUNT
- 6HH-RP-EM REDI-PRIME ENGINE MOUNT
- 6HH-F FRAME MOUNT
- 6HH-EM ENGINE MOUNT

OPERATING LEVELS

MIN FLOW	1,100 GPM	249.88 m3/h
MAX FLOW	4,100 GPM	931.21 m3/h
DISCHARGE SIZE	6"	152.4 mm
SUCTION SIZE	8"	203.2 mm
MAX SPEED	2,000 RPM	2,000 RPM
SOLIDS HANDLING	1.22"	30.99 mm
MAX PRESSURE	175 PSID	1,206.58 kPa
SHUT-OFF HEAD	360' @ 155.84 PSID	109.73 m @ 1,074.48 kPa
BEP HEAD	300' @ 129.87 PSID	91.44 m @ 895.42 kPa
BEP FLOW	3,300 GPM	749.51 m3/h
BEP EFFICIENCY	86%	86%



A typical picture of the pump is shown. Please contact Cornell Pump Company for further details. All information is approximate and for general guidance only.

PARTS	CAST IRON BRONZE FITTED	ALL IRON	NSF-CERTIFIED
WEAR RING	BRONZE SAE 660	CAST IRON ASTM A48 CL30	ASTM B271 C95800 OR ASTM B505 C95800
IMPELLER	BRONZE SAE 40	CAST IRON ASTM A48 CL30	ASTM B148 C95800
VOLUTE	CAST IRON ASTM A48 CL30	CAST IRON ASTM A48 CL30	ASTM A48 CL30 GRAY IRON
SHAFT	SAE 1144 "STRESSPROOF"	SAE 1144 "STRESSPROOF"	SAE 1144 "STRESSPROOF"
SHAFT SLEEVE	BRONZE SAE 660	416 STAINLESS STEEL	416 STAINLESS STEEL
PACKING	GRAPHITED ACRYLIC	GRAPHITED ACRYLIC	GRAPHITED ACRYLIC
MECHANICAL SEAL	T-1, BUNA-CARBON/CERAMIC	T-1, BUNA-CARBON/CERAMIC	T-1, BUNA-CARBON/CERAMIC
BACKPLATE	CAST IRON ASTM A48 CL30	CAST IRON ASTM A48 CL30	ASTM A48 CL30 GRAY IRON
BEARING FRAME	CAST IRON ASTM A48 CL30	CAST IRON ASTM A48 CL30	ASTM A48 CL30 GRAY IRON

The 6HH pump is designed with Cornell's renowned quality and durability. It features a 6" discharge, 8" suction, enclosed impeller, and flanged tangential double volute. Available standard in Cast-Iron Bronze Fitted, All Iron, or NSF 61 Certified configurations. Pump ends mount to F16, F18, EM16, and EM18 bearing frames. Optional Redi-Prime or Venturi Prime priming system is available. Bearings are heavy-duty, grease lubricated, single ball bearings with a minimum of 20,000 hours bearing life.

- Industry-leading two-year warranty
- Industry-leading efficiencies
- External hydraulic balance line
- Replaceable suction wear ring and shaft sleeve
- Heavy-duty modular bearing frame
- Grease lubrication standard - oil optional
- Large shaft and bearings
- RunDry™ option (Indefinite run dry capability)
- Optional Cycloseal® with T-1 mechanical seal
- SAE #1, 2, 3, & 4 engine mount available



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS

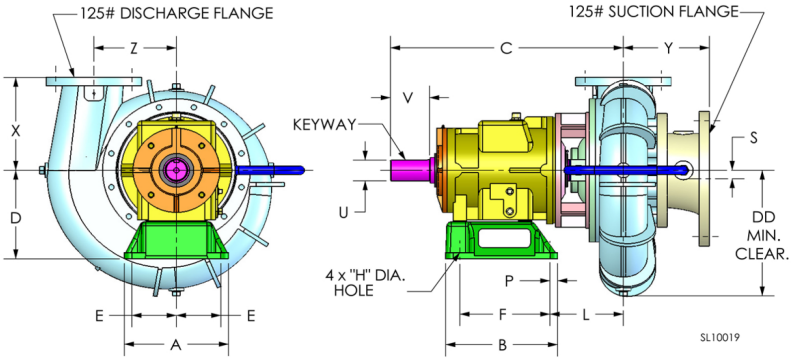
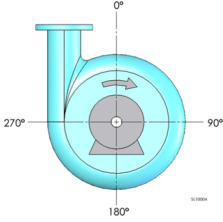


REFRIGERATION



RENTAL

6HH-F



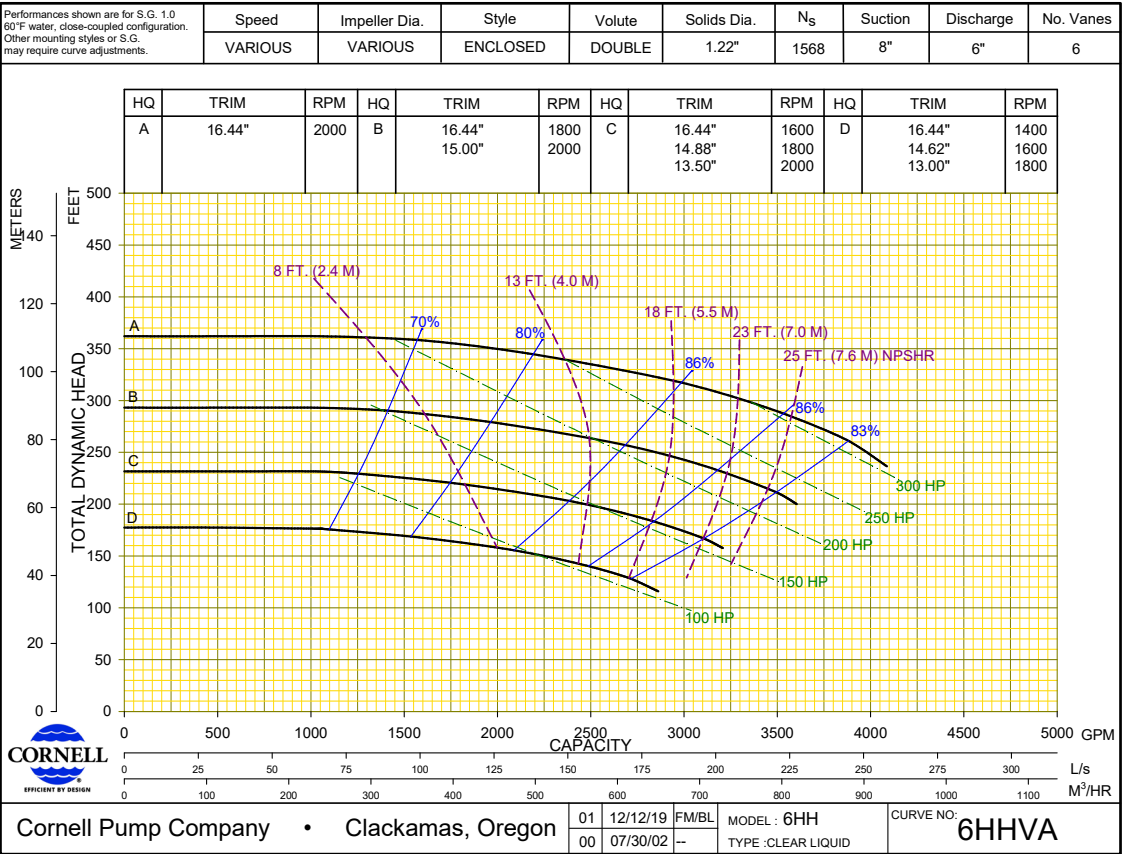
NOTES:

Discharge positions are viewed from the drive end. Standard increments of discharge position are shown in the chart below (DISCH INCR). Consult factory for other discharge positions.

NOTES:

1. "V" Dimension is maximum useable shaft.
2. Frame mounting foot thickness is .75".
3. Flange connection dimension can vary ± .12 inch.
4. Do not use for construction unless certified.

PUMP DIMENSIONS																					
MODEL	FRAME	CONNECTION		DISCH. INCR.	A	B	C	D	DD	E	F	H	L	P	S	U	V	X	Y	Z	KEYWAY
		DISCH.	SUCT.																		
6HH	F18	6	8	90°	12	12.88	30.13	10.5	17.12	5.12	10.38	0.81	11.91	0.88	0.44	2.5	4.5	12	10.43	12	.62X.31



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