



6YBQ-F

AVAILABLE MOUNTING CONFIGURATIONS

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

OPERATING LEVELS

MIN FLOW	675 GPM	153.31 m3/h
MAX FLOW	3,710 GPM	842.63 m3/h
DISCHARGE SIZE	6"	152.4 mm
SUCTION SIZE	10"	254 mm
MAX SPEED	2,400 RPM	2,400 RPM
SOLIDS HANDLING	.75"	19.05 mm
MAX PRESSURE	175 PSID	1,206.58 kPa
SHUT-OFF HEAD	235' @ 101.73 PSID	71.63 m @ 701.40 kPa
BEP HEAD	160' @ 69.26 PSID	48.77 m @ 477.53 kPa
BEP FLOW	3,150 GPM	715.44 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
WEAR RING	BRONZE SAE 660	CAST IRON ASTM A48 CL30
IMPELLER	CAST IRON ASTM A48 CL30	CAST IRON ASTM A48 CL30
VOLUTE	CAST IRON ASTM A48 CL30	CAST IRON ASTM A48 CL30
SHAFT	SAE 1144 "STRESSPROOF"	SAE 1144 "STRESSPROOF"
SHAFT SLEEVE	BRONZE SAE 660	303 STAINLESS STEEL
PACKING	GRAPHITED ACRYLIC	GRAPHITED ACRYLIC
MECHANICAL SEAL	T-1, BUNA-CARBON/CERAMIC	T-1, BUNA-CARBON/CERAMIC
BACKPLATE	CAST IRON ASTM A48 CL30	CAST IRON ASTM A48 CL30
BEARING FRAME	CAST IRON ASTM A48 CL30	CAST IRON ASTM A48 CL30

The 6YBQ pump is designed with Cornell's renowned quality and durability. It features a 6" discharge and a 10" suction, enclosed multi-vane impeller, and flanged tangential single volute. Available in standard Cast-Iron Bronze Fitted or All Iron. Optional Redi-Prime or Venturi Prime priming system is available. Pump end mounts to F5, EM5, F16, and EM16 bearing frames. Bearings are heavy-duty, grease lubricated, single ball bearings with a minimum of 20,000 hours bearing life.

- Industry-leading efficiencies
- Industry-leading two-year warranty
- Heavy-duty modular bearing frame
- External hydraulic balance line
- Replaceable suction wear ring and shaft sleeve
- Grease lubrication standard - oil optional
- Large shaft and bearings
- RunDry™ option (Indefinite run dry capability)
- Optional Cycloseal® with T-1 mechanical seal
- SAE #3, 4 & 5 engine mount available



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



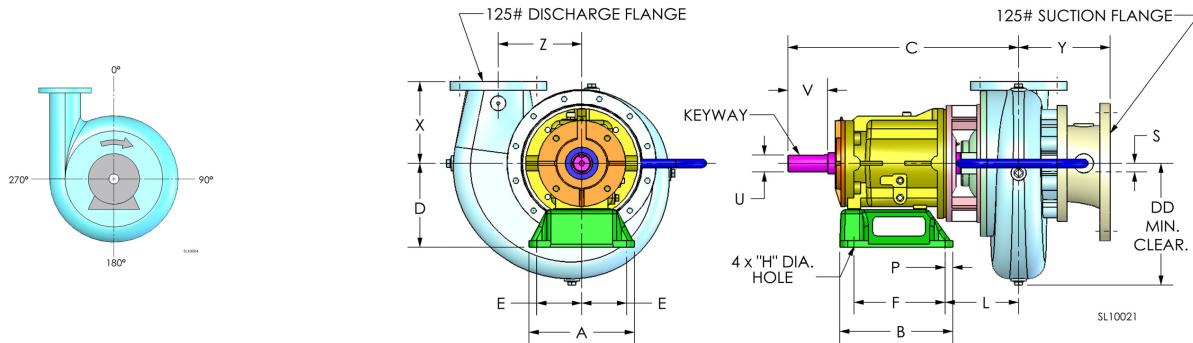
OIL & GAS



REFRIGERATION



RENTAL



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 $\pm .12$ 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.																		
6YBQ	F16	6	10	90°	12	12.88	29.69	9.75	14.75	5.12	10.38	0.81	11.81	0.88	1	2	4.5	9.5	10.41	9.5	.50X.25

