



6YBQ-CC

AVAILABLE MOUNTING CONFIGURATIONS

6YBQ-CC CLOSE-COUPLED
6YBQ-VC VERTICAL CLOSE-COUPLED

OPERATING LEVELS

MIN FLOW	675 GPM	153.31 m3/h
MAX FLOW	2,750 GPM	624.59 m3/h
DISCHARGE SIZE	6"	152.4 mm
SUCTION SIZE	10"	254 mm
MAX SPEED	1,800 RPM	1,800 RPM
SOLIDS HANDLING	.75"	19.05 mm
MAX PRESSURE	175 PSID	1,207 kPa
SHUT-OFF HEAD	128' @ 55.41 PSID	39.01 m @ 382.04 kPa
BEP HEAD	90' @ 38.96 PSID	27.43 m @ 268.62 kPa
BEP FLOW	2,250 GPM	511.03 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	CARBON STEEL	CARBON STEEL
SHAFT SLEEVE	BRONZE SAE 660	416 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
MOTOR	OPEN DRIPPROOF - STANDARD TEFC AND OTHERS - OPTIONAL	OPEN DRIPPROOF - STANDARD TEFC AND OTHERS - OPTIONAL

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 standard in Cast Iron Bronze Fitted or All Iron. Shower Curtain shield protects close coupled motor.

- Industry-leading two-year warranty
- Industry-leading efficiencies
- Standard cast iron bronze fitted construction
- External hydraulic balance line
- Back pull-out design
- Replaceable wear rings and shaft sleeve
- "Shower curtain shield" bearing protection
- Low operating costs
- RunDry™ option (Indefinite run dry capability)
- Optional Cycloseal w/ T-1 mechanical seal



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS



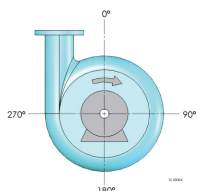
REFRIGERATION



RENTAL

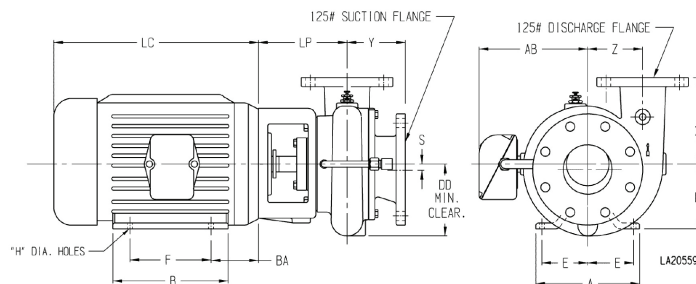


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NOTES:

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:

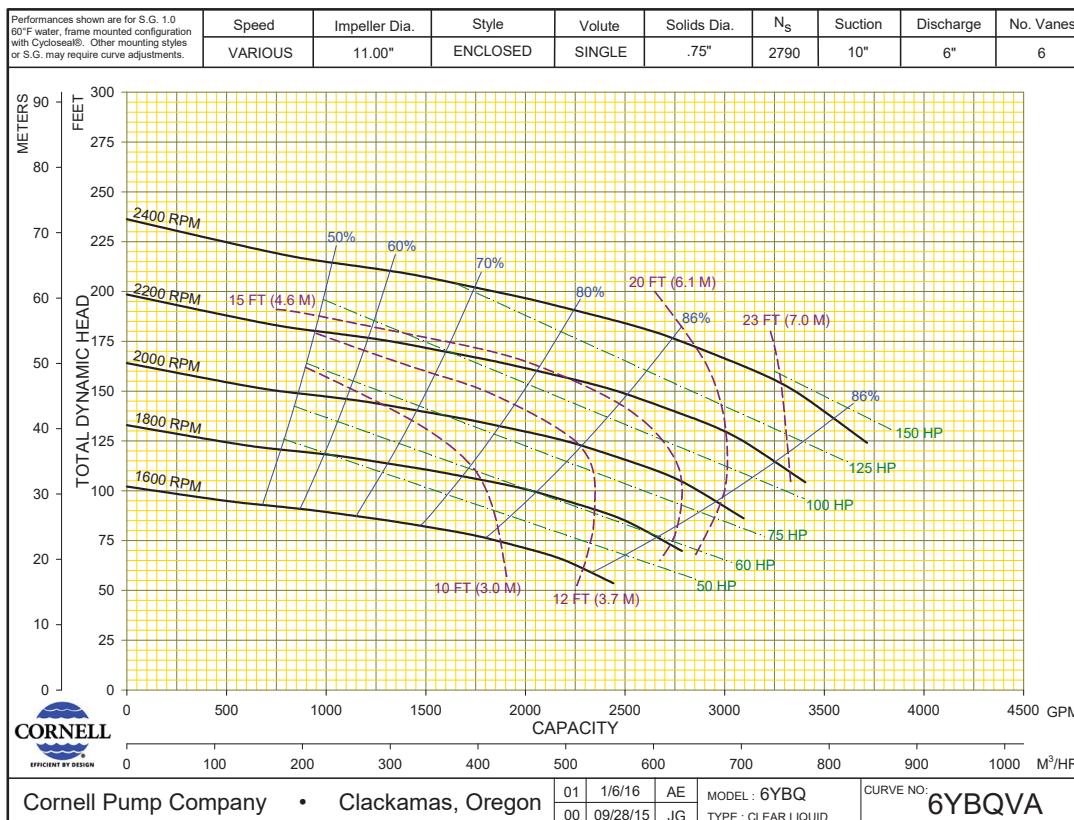
1. Motor dimensions are for ODP motors and may vary depending on models and manufacturer.
2. Flange connection dimension can vary $\pm .12$ inch.
3. Do not use for construction unless certified.

(c) For 326 and larger motor frame.

(d) For 404 and larger motor frame.

MOTOR DIMENSION										
MOTOR FRAME	AK DIM	A	B	D	E	F	H	AB	BA	LC
143-5	4.5	6.5	5.94	3.5	2.75	5	0.34	5.62	2.88	10
182-3	4.5	8.62	6.5	4.5	3.75	5.5	0.41	6.75	3.5	12.25
213-5	8.5	8.62	6.5	4.5	3.75	5.5	0.41	6.75	3.5	12.25
254-6	8.5	9.5	8	5.25	4.25	7	0.41	7.94	4.5	13.69
284-6	8.5	11.25	11.25	6.25	5	10	0.53	9.5	5	17.94
324-6	12.5	12.25	12.25	7	5.5	11	0.53	11.37	5	21.31
364-5	12.5	14.25	13.75	8	6.25	12	0.66	12.22	5.5	22.19
404-5	12.5	15.75	14	9	7	12.25	0.66	13.2	6.12	24.31
404-5	12.5	18.5	16.62	10	8	13.75	0.81	16.39	6.88	29.97

PUMP DIMENSIONS									
MODEL	CONNECTION DISCH.	CONNECTION SUCT.	DISCH. INCR.	AK DIM.	DD	S	X	Y	Z
6YB/Q	6	10	90°	12.5	14.75	1	9.5	10.41	9.5



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