



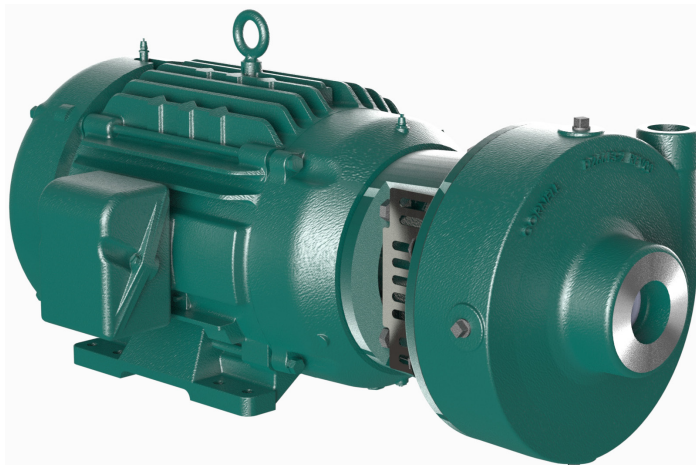
1.25YH-CC

AVAILABLE MOUNTING CONFIGURATIONS

1.25YH-CC CLOSE-COUPLED
1.25YH-VC VERTICAL CLOSE-COUPLED

OPERATING LEVELS

MIN FLOW	20 GPM	4.5 m ³ /h
MAX FLOW	195 GPM	44.28 m ³ /h
DISCHARGE SIZE	1.25"	31.75 mm
SUCTION SIZE	2"	50.8 mm
MAX SPEED	3,600 RPM	3,600 RPM
SOLIDS HANDLING	.28"	7.1mm
MAX PRESSURE	175 PSID	1,206.59 kPa
SHUT-OFF HEAD	418' @ 180.9 PSID	127.4m @ 1,247.26 kPa
BEP HEAD	205' @ 88.74 PSID	62.48m @ 611.84 kPa
BEP FLOW	135 GPM	31.66 m ³ /h
BEP EFFICIENCY	63%	63%



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
IMPELLER	CAST IRON ASTM A48 CL30	CAST IRON ASTM A48 CL30	ASTM B148 C95800
VOLUTE	CAST IRON ASTM A48 CL30	CAST IRON ASTM A48 CL30	ASTM A48 CL 30 GRAY IRON
SHAFT	CARBON STEEL	CARBON STEEL	CARBON STEEL
SHAFT SLEEVE	BRONZE SAE 660	303 STAINLESS STEEL	303 STAINLESS STEEL
BACKPLATE	CAST IRON ASTM A48 CL30	CAST IRON ASTM A48 CL30	ASTM A48 CL 30 GRAY IRON
PACKING	GRAPHITED ACRYLIC	GRAPHITED ACRYLIC	NOT AVAILABLE
MECHANICAL SEAL	T-1 BUNA, CARBON VS CERAMIC	T-1 BUNA, CARBON VS CERAMIC	T-1 BUNA, CARBON VS CERAMIC
MOTOR	OPEN DRIPPROOF - STD, TEFC & OTHERS - OPTIONAL	OPEN DRIPPROOF - STD, TEFC & OTHERS - OPTIONAL	OPEN DRIPPROOF - STD, TEFC & OTHERS - OPTIONAL

The 1.25YH pump is designed with Cornell's renowned quality and durability. It features a 1.25" discharge and a 2" suction, enclosed multi-vane impeller and threaded (FPT) tangential single volute with oversized shaft for long life. Available in standard Cast-Iron Bronze Fitted, All Iron, or NSF-61 Certified configurations. Shower Curtain shield protects close coupled motor.

- Industry-leading two-year warranty
- Industry-leading efficiencies
- Standard cast-iron bronze fitted construction (CI Impeller)
- Back pull-out design
- Replaceable suction wear ring and shaft sleeve
- "Shower curtain shield" bearing protection
- Low operating costs
- RunDry™ option (Indefinite run dry capability)
- Optional Cycloseal® with T-1 mechanical seal
- Available NSF-61 Certified



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS



REFRIGERATION



RENTAL

1.25YH-CC

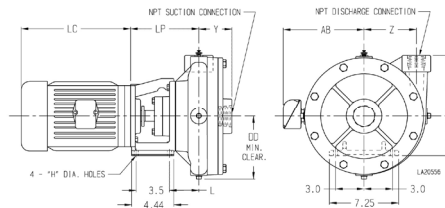


Fig. 1

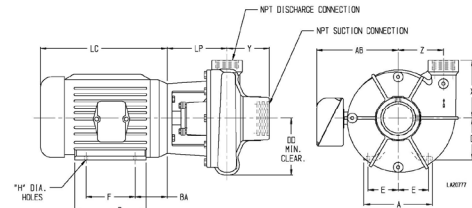


Fig. 2

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.

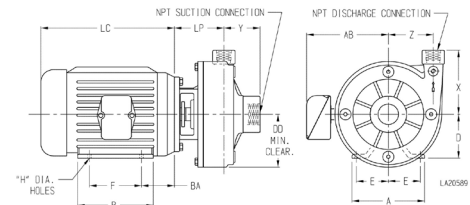
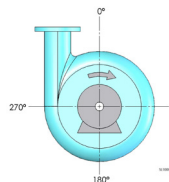


Fig. 3

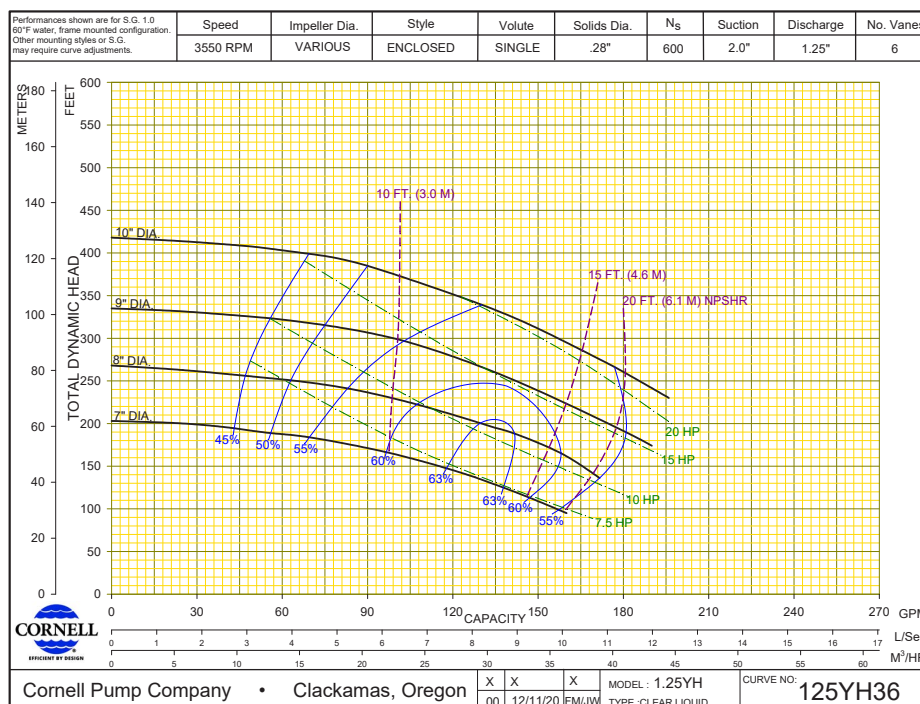
NOTES:

- Motor dimensions are for ODP motors and may vary depending on manufacturer.
- Do not use for construction unless certified.

(c) For 213 and larger motor frame.

PUMP DIMENSIONS												
MODEL	CONNECTION DISCH.	SUCT.	DISCH. INCR.	AK DIM.	Fig.	DD	L	T	X	Y	Z	LP
1.25YH (FIG 2 ONLY)	1.25	2	90°	4.5	1	7.25	3.09	-	5.75	3.47	5.38	7.06
				8.5	2	7.25	-	-	5.75	3.47	5.38	7.19
				8.5	2	7.25	-	-	5.75	3.47	5.38	8 (c)
				12.5	2	7.25	-	-	5.75	3.47	5.38	8
1.5YH	1.5	2	90°	4.5	2	6.38	-	3.15	6.5	3.47	5.5	7.19
				8.5	2	6.38	-	3.15	6.5	3.47	5.5	8
				12.4	3	6.38	-	3.15	6.5	3.47	5.5	8
				4.5	2	6.62	-	3.15	5.75	4	5.75	7.19
2YH	2	2.5	90°	8.5	2	6.62	-	3.15	5.75	4	5.75	8
				12.5	2	6.62	-	3.15	5.75	4	5.75	8
				8.5	3	7	-	2.59	7.5	5.38	5.75	7.44
				12.5	3	7	-	2.59	7.5	5.38	5.75	7.44

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
	8.5	8.62	6.5	4.5	3.75	5.5	0.41	6.75	3.5	12.25
213-5	8.5	9.5	8	5.25	4.25	7	0.41	7.94	4.5	13.69
254-6	8.5	11.25	11.25	6.25	5	10	0.53	9.5	5	17.94
284-6	12.5	12.25	12.25	7	5.5	11	0.53	11.37	5	21.31
324-6	12.5	14.25	13.75	8	6.25	12	0.66	12.22	5.5	22.19
364-5	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



DS125YHCC