

AVAILABLE MOUNTING CONFIGURATIONS

3HC-CC CLOSE-COUPLED
3HC-VC VERTICAL CLOSE-COUPLED

OPERATING LEVELS

MIN FLOW	105 GPM	23.85 m3/h
MAX FLOW	850 GPM	193.06 m3/h
DISCHARGE SIZE	3"	76.2 mm
SUCTION SIZE	6"	152.4 mm
SOLIDS HANDLING	.50"	12.7 mm
MAX SPEED	1,800 RPM	1,800 RPM
MAX PRESSURE	175 PSID	1,206.58 kPa
SHUT-OFF HEAD	262' @ 113.42 PSID	79.86 m @ 782.00 kPa
BEP HEAD	240' @ 103.90 PSID	73.15 m @ 716.37 kPa
BEP FLOW	680 GPM	154.45 m3/h
BEP PERCENT	71%	71%



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	STANDARD MATERIAL (ALL IRON)
WEAR RING	CAST IRON ASTM A48 CL30
IMPELLER	CA6NM CAST STAINLESS
VOLUTE	CAST IRON ASTM A48 CL30
SHAFT	CARBON STEEL
SHAFT SLEEVE	416 STAINLESS STEEL
MECHANICAL SEAL	T-2, BUNA, CARBON VS CERAMIC/STAINLESS
BACKPLATE	CAST IRON ASTM A48 CL30
MOTOR	OPEN DRIPPROOF - STANDARD TEFC AND OTHERS - OPTIONAL

The 3HC pump is designed with Cornell's renowned quality and durability. It features a 3" discharge and a 6" suction, enclosed multi-vane impeller, and flanged tangential single volute. Available in All Iron with CA6NM stainless impeller. Shower Curtain shield protects close coupled motor.

- Industry-leading two-year warranty
- Industry-leading efficiencies
- Standard cast iron construction with CA6NM stainless 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)
- Cycloseal® with T-2 mechanical seal



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS



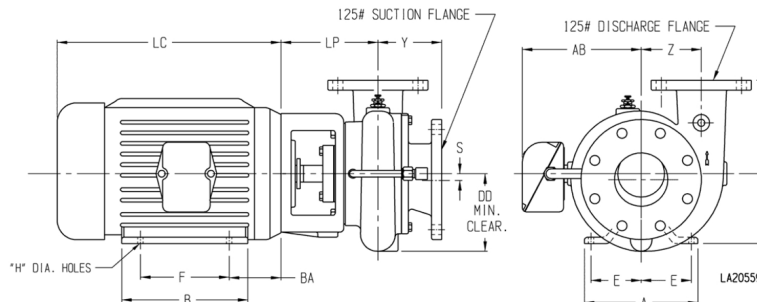
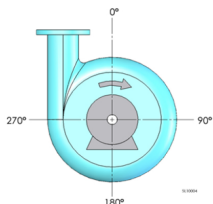
REFRIGERATION



RENTAL



3HC-CC



NOTES:

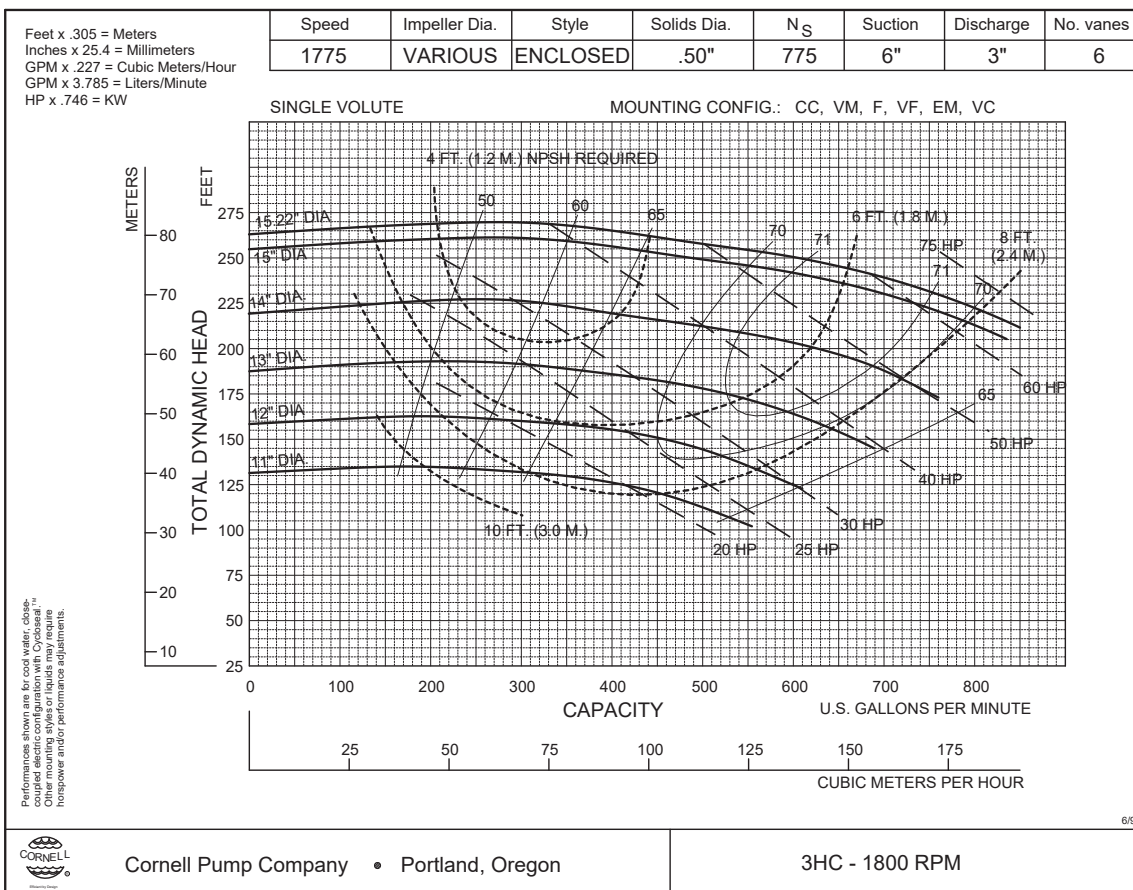
Discharge positions are viewed from the drive end.
Standard increments of discharge position are shown in the chart below (DISCH INCR). Consult factory for other discharge positions.

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.

PUMP DIMENSIONS									
MODEL	CONNECTION		DISCH. INCR.	AK DIM.	DD	S	X	Y	Z
	DISCH.	SUCT.							
3HC	3	6	90°	12.5	11.12	0.44	10	8.53	8.5

MOTOR DIMENSION										
MOTOR FRAME	AK DIM.	A	B	D	E	F	H	AB	BA	LC
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
444-5	16.5	21.5	19.5	11	9	16.5	0.81	19.06	7.5	31



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