DATA SHEET

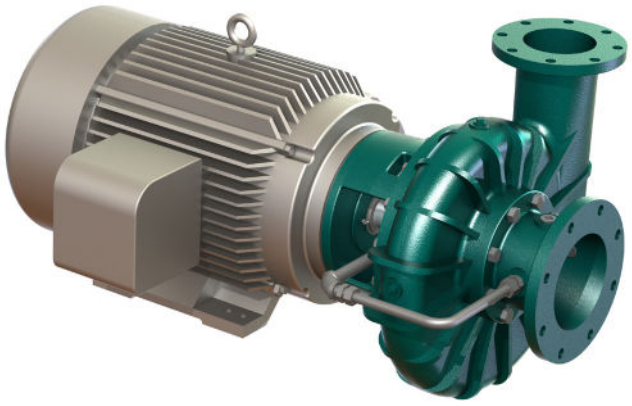
6H-CC

AVAILABLE MOUNTING CONFIGURATIONS

6H-CC CLOSE COUPLED
6H-VM VERTICAL CLOSE COUPLED

OPERATING LEVELS

MIN FLOW	620 GPM	140.8 m^3/h
MAX FLOW	2750 GPM	624.6 m^3/h
DISCHARGE SIZE	6"	152 mm
SUCTION SIZE	8"	203 mm
SOLIDS HANDLING	1.12"	2.8 cm
MAX SPEED	1780 RPM	1780 RPM
SHUT-OFF HEAD	237'	72.2 m
BEP HEAD	197'	60 m
BEP FLOW	2100 GPM	476.9 m^3/h
BEP PERCENT	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	ALL IRON	CAST IRON BRONZE FITTED
IMPELLER	CAST IRON ASTM A48 CL30	BRONZE SAE 40 OR SILICON BRONZE
VOLUTE	CAST IRON ASTM A48 CL30	CAST IRON ASTM A48 CL30
SHAFT	CARBON STEEL	CARBON STEEL
SHAFT SLEEVE	416 STAINLESS STEEL	BRONZE SAE 660
MOTOR	ODP W/ 1.15 SF	ODP W/ 1.15 SF
WEAR RINGS	CAST IRON ASTM A48 CL30	BRONZE SAE 660
SUCTION SPOOL	CAST IRON ASTM A48 CL30	CAST IRON ASTM A48 CL30
BACKPLATE	CAST IRON ASTM A48 CL30	CAST IRON ASTM A48 CL30
MECHANICAL SEAL (OPTIONAL)	T-1 OR T2, BUNA, CARBON/CERAMIC/STAINLESS	T-1 OR T2, BUNA, CARBON/CERAMIC/STAINLESS
PACKING	GRAPHITED ACRYLIC	GRAPHITED ACRYLIC

The 6H 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 in all-iron or bronze-fitted materials. Graphited acrylic packing is standard, with Cornell's patented Cycloseal available (with type 1 single mechanical seal). Optional motors include TEFC (other options available).

- Standard cast iron bronze fitted construction
- External hydraulic balance line
- Double volute construction
- Back pullout design
- Replaceable hub & suction wear rings
- Replaceable shaft sleeve
- "Shower curtain shield" bearing protection
- High efficiency hydraulics
- Low operating costs
- Two year warranty
- Other mechanical seal (cycloseal) and material options available

AGRICULTURE FOOD INDUSTRIAL MINING MUNICIPAL OIL & GAS REFRIGERATION RENTAL

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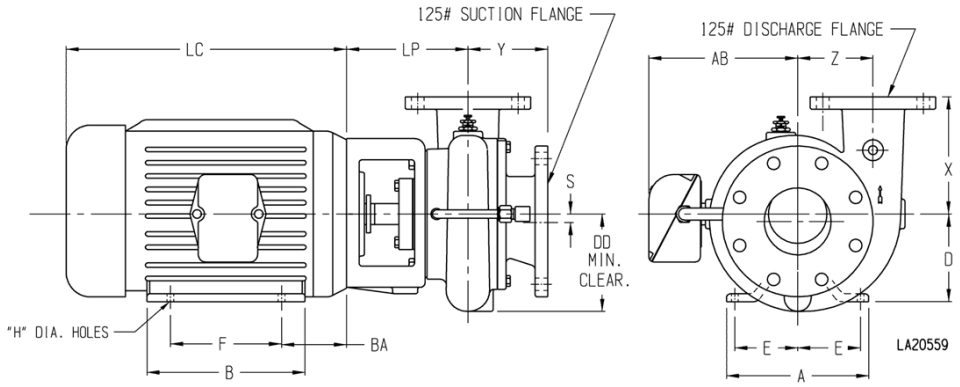


PUMP DIMENSIONS										
MODEL	CONNECTION DISCH.	CONNECTION SUCT.	DISCH. INCR.	AK DIM.	DD	S	X	Y	Z	LP
2.5H	2.5	4	90°	8.5	9.62	0.44	11	8.28	7.75	7.66
				12.5	9.62	0.44	11	8.28	7.75	7.66
3HA	3	6	90°	12.5	11.12	0.44	10	8.53	8.5	10.09
3HC	3	6	90°	12.5	11.12	0.44	10	8.53	8.5	10.09
4HC	4	8	90°	12.5	12.62	0.88	11	10.88	9.75	11.19
4HH	4	6	90°	12.5	15	0.44	9.5	8.97	11.25	10.12
5H	5	8	90°	12.5	14.75	0.88	13	9.66	11.62	10.15
5HH	5	8	90°	12.5	16.25	0.44	11	10.56	10.25	10.81
				16.5	16.25	0.44	11	10.56	10.25	10.81
6H	6	8	90°	12.5	14.75	0.44	14	10.18	11.62	10.12
				16.5	14.75	0.44	14	10.18	11.62	10.12
6HH	6	8	90°	12.5	17.12	0.44	12	10.43	12	11.13
				16.5	17.12	0.44	12	10.43	12	11.13
8H	8	10	90°	12.5	16.75	0.75	13	10.41	11.5	11.38
				16.5	16.75	0.75	13	10.41	11.5	11.38

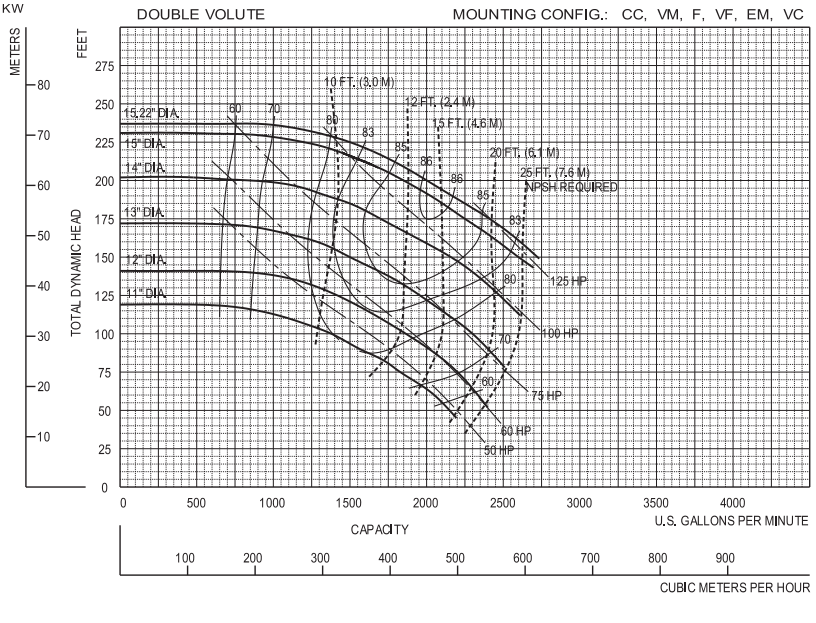
MOTOR DIMENSION										
MOTOR FRAME	AK DIM.	A	B	D	E	F	H	AB	BA	LC
213-5	8.5	9.5	8	5.25	4.25	7	0.41	7.94	4.5	13.69
254-6	8.5	11.25	11.25	6.25	5	10	0.53	9.5	5	17.94
284-6	12.5	12.25	12.25	7	5.5	11	0.53	11.37	5	21.31
324-6	12.5	14.25	13.75	8	6.25	12	0.66	12.22	5.5	22.19
364-5	12.5	15.75	14	9	7	12.25	0.66	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

Feet x .305 = Meters
Inches x 25.4 = Millimeters
GPM x .227 = Cubic Meters/Hour
GPM x 3.785 = Liters/Minute
HP x .746 = KW

Speed	Impeller Dia.	Style	Solids Dia.	N_S	Suction	Discharge	No. vanes
1780	VARIOUS	ENCLOSED	1.12"	1587	8"	06"	6

DOUBLE VOLUTE

MOUNTING CONFIG.: CC, VM, F, VF, EM, VC



Performances shown are for cool water, close-coupled electric configuration with Cycloseal.® Other pump configurations, seal arrangements or liquids may require horsepower and/or performance adjustments.

8/4/00

NEW PAGE

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Cornell Pump Company • Portland, Oregon

6H - 1800 RPM

DS026-1612-GE