



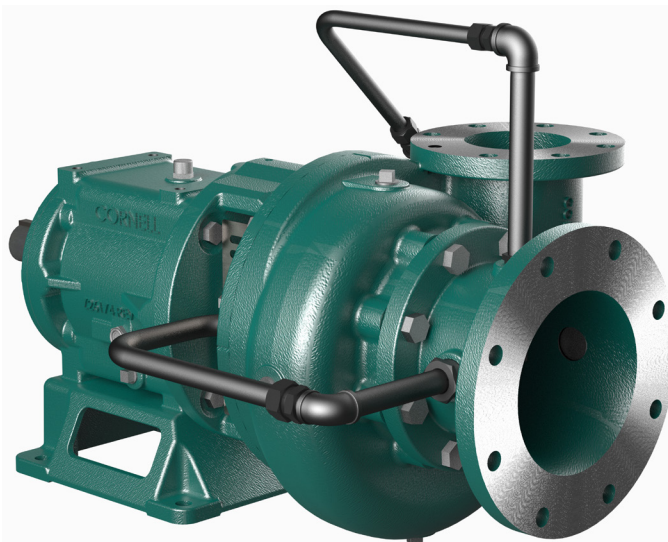
# 5WBH-F

## AVAILABLE MOUNTING CONFIGURATIONS

5WBH-RP-F REDI-PRIME FRAME MOUNT  
5WBH-RP-EM REDI-PRIME ENGINE MOUNT  
5WBH-F FRAME MOUNT  
5WBH-EM ENGINE MOUNT

## OPERATING LEVELS

MIN FLOW	550 GPM	124.92 m3/h
MAX FLOW	2,550 GPM	579.17 m3/h
DISCHARGE SIZE	5"	127 mm
SUCTION SIZE	8"	203.2 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	155' @ 67.10 PSID	47.24 m @ 462.64 kPa
BEP HEAD	105' @ 45.45 PSID	32.0 m @ 313.37 kPa
BEP FLOW	1,650 GPM	374.76 m3/h
BEP EFFICIENCY	81%	81 %



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	BRONZE SAE 40	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 5WBH pump is designed with Cornell's renowned quality and durability. It features a 5" discharge and a 8" suction, enclosed multi-vane impeller, and flanged tangential double 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, F16, EM5 and EM16 bearing frames. Bearings are heavy-duty, grease lubricated, single ball bearings with a minimum of 20,000 hours bearing life.

- Industry-leading two-year warranty
- Industry-leading efficiencies
- External hydraulic balance line
- Replaceable suction wear ring and shaft sleeve
- Heavy-duty modular bearing frame
- 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 &amp; GAS

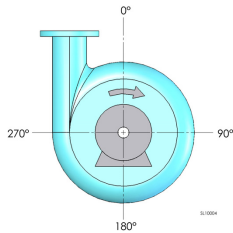


REFRIGERATION



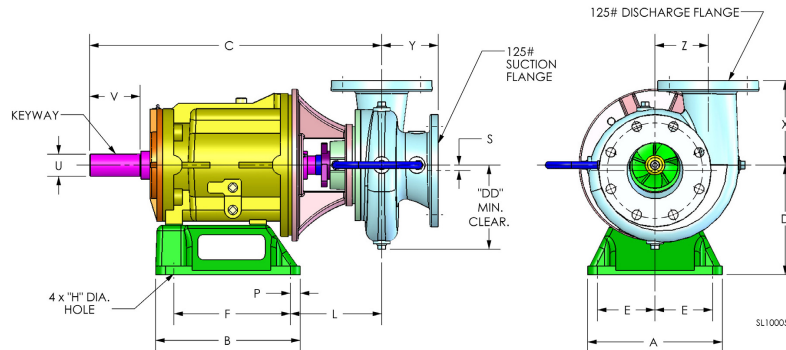
RENTAL

# 5WBH-F



**NOTES:**

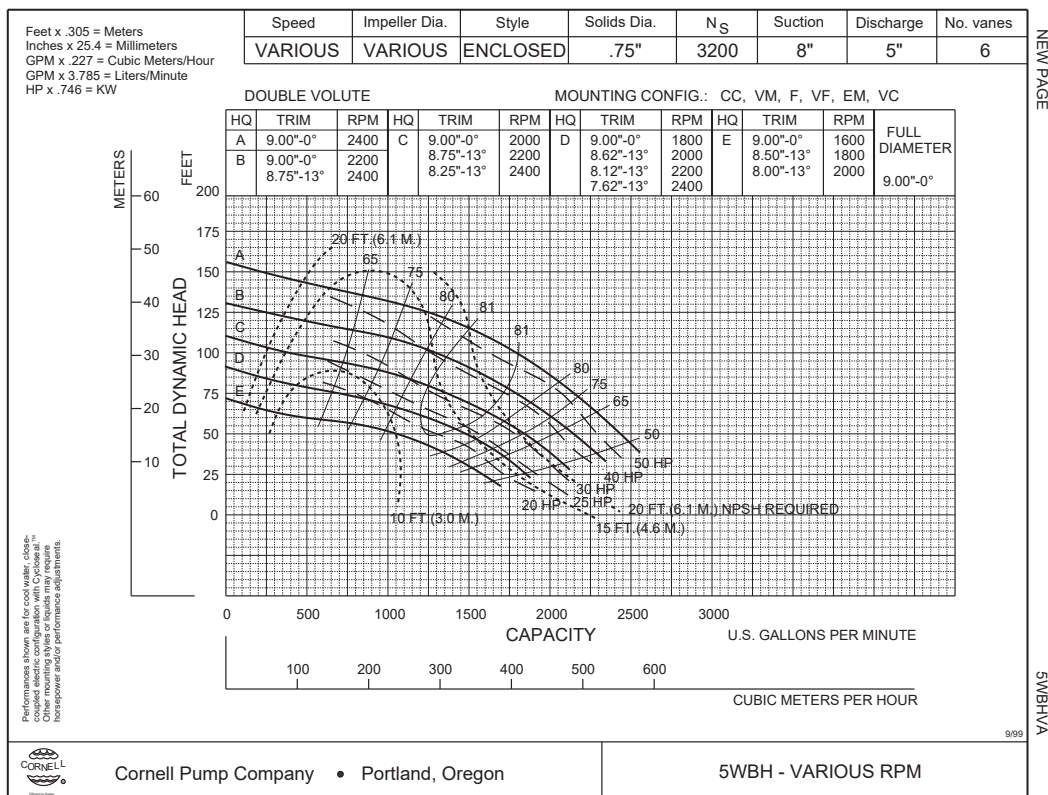
Discharge positions are viewed from the drive end.  
Standard increments of discharge position are shown  
in the chart below (DISCH INCR). Consult factory for  
other discharge positions.



**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.																		
5WBH	F16	5	8	90°	12	12.88	26.97	9.75	12.38	5.12	10.38	0.69	9.12	0.88	0.44	2	4.5	7.75	10.31	7.88	.50 x .25



Cornell Pump Company • Portland, Oregon

5WBH - VARIOUS RPM

DS4WH-F-070921