



CORNELL PUMP COMPANY

75 - 250 GPM

2 WH

75 - 200 Feet TDH

STANDARD SPECIFICATION

Discharge - 2 inch threaded discharge **Suction** - 2.5 inch threaded suction **Impeller** - Enclosed cast iron

Volute - Right hand tangential discharge, four

positions

Mechanical Seal or Traditional Packing - Single type 1 carbon ceramic mechanical seal: Cycloseal® design, run-dry available

Footprint - Matches Cornell's historical 2W

Materials of Construction

- Cast iron bronze fitted
- Other materials available

PURCHASE OPTIONS

Complete Pump

Fully assembled at the factory Ready to go to the field

Pump End Kit

Finished components

- PrePainted

Easy assembly

- Common tools
- Simple instructions

Obtain drives locally or through Cornell

MOUNTING OPTIONS

Close Coupled Electric

Standard JP motor shaft

- Standard Efficiency
- Cornell's Energy Efficient Design
- Frame Mount

Cornell F5

Engine Bracket

Cornell EM5 (SAE 5) Cornell EM309 (SAE 5)



FEATURES & BENEFITS

Cornell's Tradition of Excellence:

- Highest Quality Products
- Experience
 - Over 50 years in the centrifugal pump business

Optimum Hydraulics

- In house engineering staff and test lab facilities

Strong Local Dealer Support

- Our agricultural products are sold only through authorized dealerships
- Dealerships provide full service to customers from sales to replacement parts
- Dealers maintain and improve their knowledge at educational activities like Cornell's "Pump School"

Economically Priced:

Component Design

Efficient manufacturing through increased volume of common parts

Versatility

 The ability to mix and match components reducing local inventory of both parts and wholegoods with a wide variety of pumps and mounting configurations for the customer

Exceptional Design:

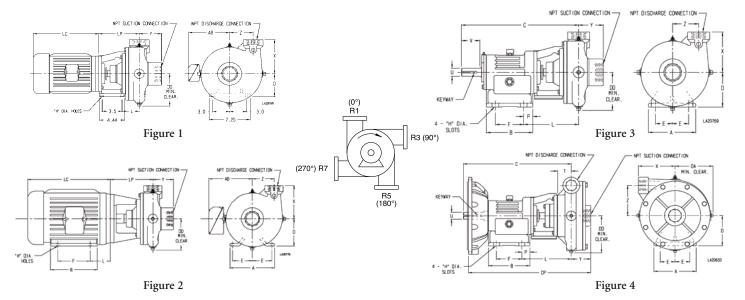
Efficiency

- Effectively converts energy into fluid flow and pressure

Long Product Life

- Thick walled castings
- Heavy duty shafts
- 20,000 hour bearings
- Replaceable wear rings and shaft sleeves
- Reduced thrust load through design and balance lines where appropriate

PERFORMANCE CURVES Discharge No. vanes 2 WH 3600 RPM 3525 VARIOUS ENCLOSED 1173 MOUNTING CONFIG.: CC, VM, F, VF, EM, VC -60 -50 Note: Curves also -40 available in -30 1800 and various RPM -20 -10 CAPACITY U.S. GALLONS PER MINUTE CUBIC METERS PER HOUR



PUMP DIMENSIONS																						
MOUNT	AK	Fig.	Α	В	C	CP	D	DA	DD	E	F	Н	L	Р	T	U	V	Х	Υ	Z	LP	KEYWAY
CC	4.5	1	-	-	-	-	-	-	6.5	-	-	-	3.09	-	-	-	-	5.12	3.91	4.12	7.18	-
	8.5	2	-	-	-	-	-	-	6.5	-	-	-	-	-	-	-	-	5.12	3.91	4.12	8	-
F5	-	3	7.5	7.36	22.53	-	5.5	-	6.5	2.62	4.5	0.56	8.78	1.44	-	1.25	3	5.12	3.91	4.12	-	.25 x .12
EM5	-	4	7.5	7.36	18.62	22.14	5.5	6.5	6.5	2.62	4.5	0.56	8.78	1.44	-	1.25	-	5.12	3.91	4.12	-	.25 X .12
EM309	-	4	-	-	18.25	20.77	-	-	6.5	-	-	-	-	-	2.37	1.25	-	5.12	3.91	4.12	-	.25 X .12

MOTOR DIMENSIONS													
MOTOR FRAME	AK DIM.	A	В	D	Е	F	Н	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			

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