

**CORNELL PUMP COMPANY**

200 - 750 GPM

**Model 3RB**

75 - 260 Feet TDH

**STANDARD SPECIFICATION****Discharge** - 3 inch discharge**Suction** - 5 inch suction**Impeller** - Enclosed, 7 vane: cast iron**Volute** - Right and left hand tangential discharge,  
four positions**Mechanical Seal or Traditional Packing** - Single  
type1 carbon ceramic mechanical seal: Cycloseal®  
design, Run-dry available**Materials of Construction**

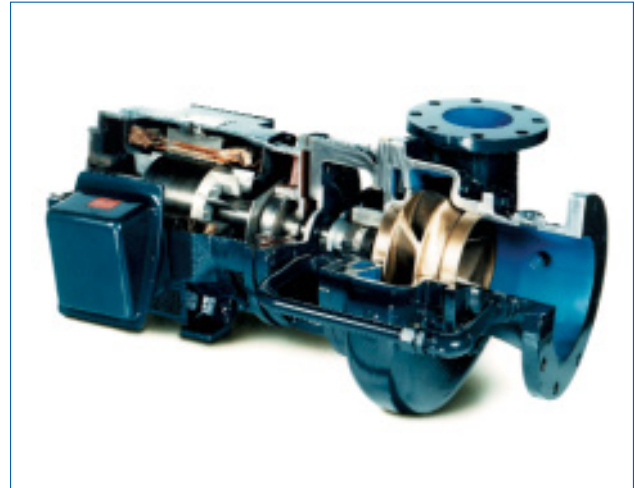
- Cast iron, bronze fitted
- Other materials available

**MOUNTING OPTIONS**

- **Close Coupled Electric**
  - Cornell's Energy Efficient Design
- **Frame Mount**
  - Cornell F5,
  - Cornell F16
- **Engine Bracket**
  - Cornell EM5 (SAE 5)
  - Cornell EM16 (SAE 1, 2, 3, 4)

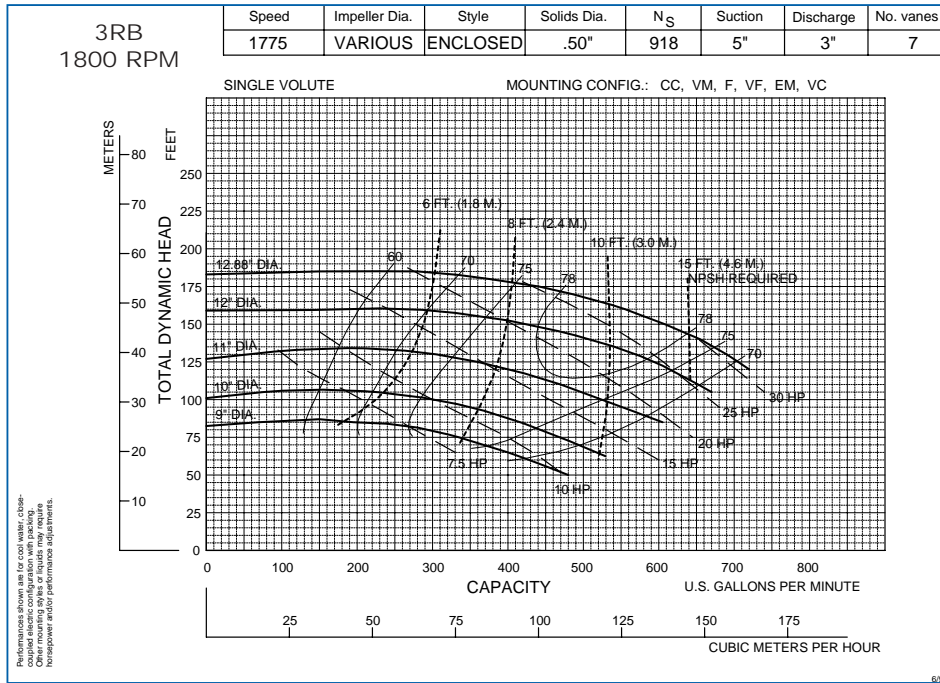
**AVAILABILITY**

- **Quick Ship**
  - Finished Product Regularly Stocked  
(48 Hours)
- **Preferred Pump**
  - Finished Components Regularly Stocked  
(10 business days)
- **Specialty Pump**
  - Cornell Pump Company will design and  
manufacture a variation of this pump  
specifically designed for your application

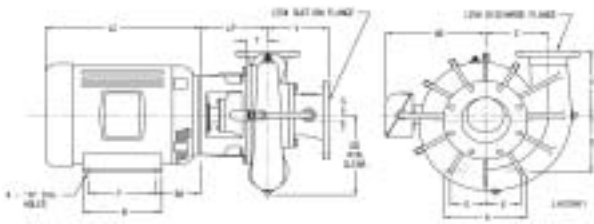
**FEATURES & BENEFITS**

- **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"
- **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

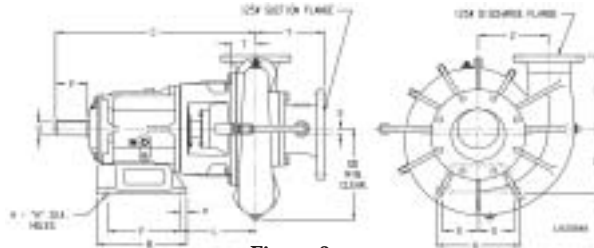
# PERFORMANCE CURVES



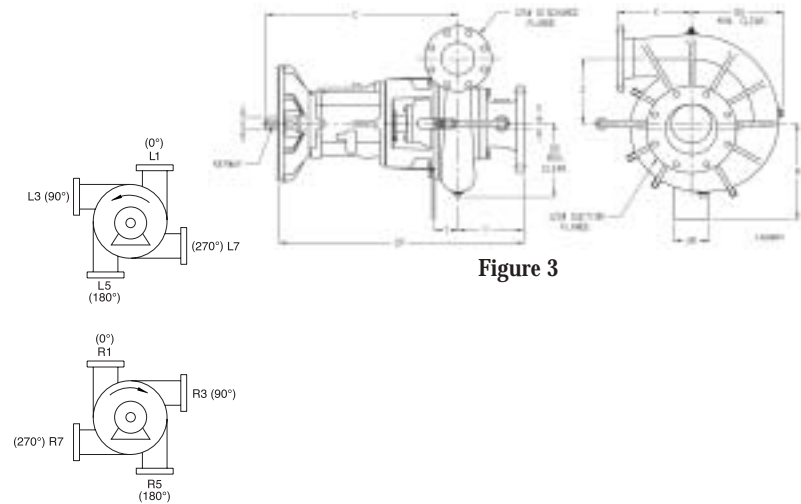
**Note:**  
Curves also available in 1200 and various RPM



**Figure 1**



**Figure 2**



**Figure 3**

## PUMP DIMENSIONS

MOUNT	AK	Fig.	A	AR	B	C	CP	D	DA	DD	E	F	H	L	LP	P	R	S	T	U	V	X	Y	Z	KEYWAY
CC	8.5 12.5	1	-	-	-	-	-	-	-	10	-	-	-	-	7.62 7.62	-	-	-	3 3	-	-	8.5 8.5	5.25 5.25	7.75 7.75	-
F5	-	2	7.5	-	7.36	19.09	-	5.5	-	10	2.62	4.5	0.56	9.22	-	1.44	-	-	3	1.25	3	8.5	5.25	7.75	.25 x .12
F16	-	2	12	-	12.88	25.62	-	9.75	-	10	5.12	10.38	0.81	7.78	-	0.88	-	-	3	2	4.5	8.5	5.25	7.75	.50 X .25
EM5	-	3	7.5	-	7.36	19.09	23.95	5.5	10	9.5	2.62	4.5	0.56	9.22	-	1.44	-	-	3	1.25	-	8.5	5.25	7.75	.25 x .12
EM16	-	3	-	5.25	-	25.61	28.88	-	10	9.5	-	-	-	-	-	-	14.88	-	3	2	-	8.5	5.25	7.75	.50 X .25

## MOTOR DIMENSIONS

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

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**ISO9001:2000 CERTIFIED**