

**AQUARIUS PUMP COMPANY**

200 - 1100 GPM

**3 YL**

150 - 300 Feet TDH

**STANDARD SPECIFICATION****Discharge** - 3 inch threaded discharge**Suction** - 4 inch threaded suction**Impeller** - Enclosed bronze**Volute** - Right hand tangential discharge, four positions**Mechanical Seal or Traditional Packing** - Single type 1 carbon ceramic mechanical seal: Cycloseal® design, Run-dry available**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 Aquarius

**MOUNTING OPTIONS**

- **Close Coupled Electric**
  - Standard JP motor shaft
    - Standard Efficiency
    - Aquarius's Energy Efficient Design
- **Frame Mount**
  - Aquarius F85
- **Engine Bracket**
  - Aquarius EM309 (SAE 5)
  - Aquarius EM85 (SAE 3 and 4)

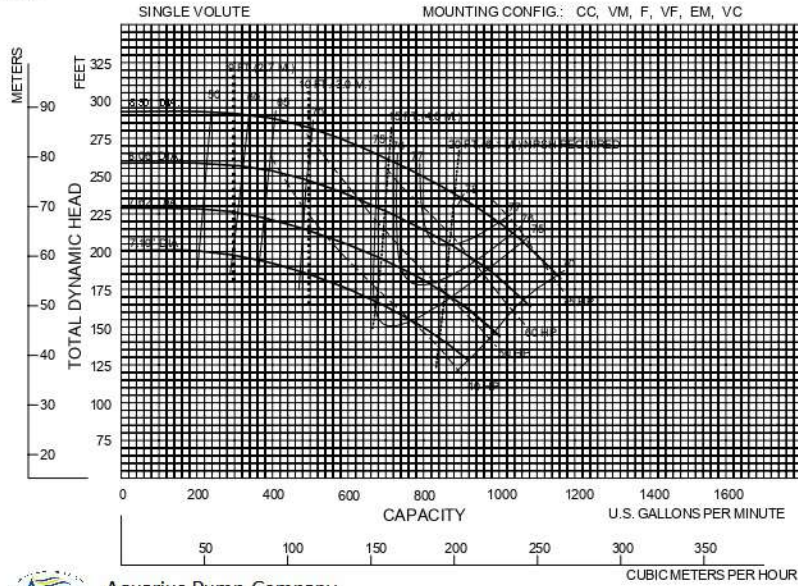
**FEATURES & BENEFITS**

- **Aquarius'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 Aquarius'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

**3 YL  
3600 RPM**

Speed	Impeller Dia.	Style	Solids Dia.	N <sub>s</sub>	Suction	Discharge	No. vanes
3525 RPM	VARIOUS	ENCLOSED	.50"	1750	4"	3"	6



Performance shown on this graph is for a clean liquid with a viscosity of 1.0 cP. Other mounting options are available. See Aquarius Pump Company website for more information.



Aquarius Pump Company

**Note:**  
Curves also available in 1800 and various RPM

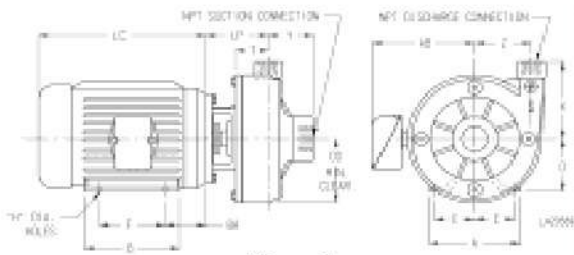


Figure 1

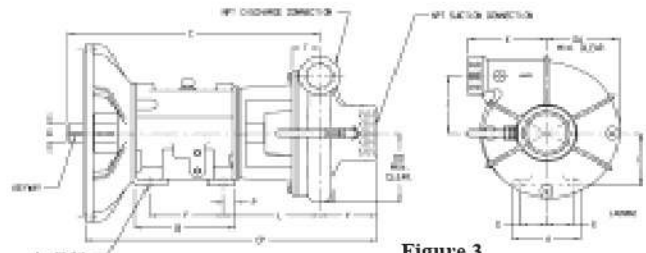


Figure 3

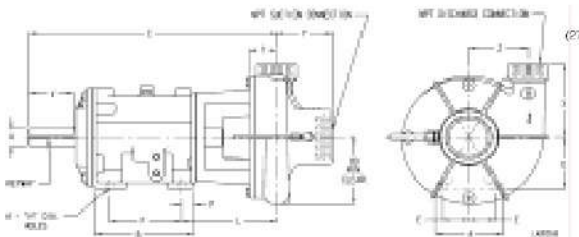


Figure 2

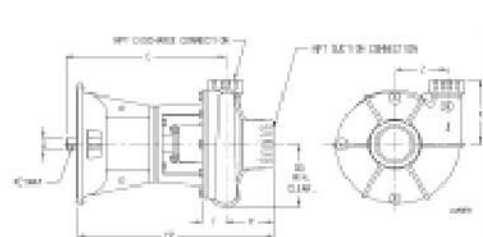
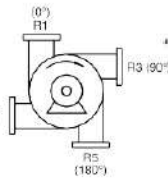


Figure 4

## PUMP DIMENSIONS

MOUNT	AK	Fig.	A	B	C	CP	D	DA	DD	E	F	H	L	P	T	U	V	X	Y	Z	L1	KEYWAY
CC	8.5 12.5	1 1	-	-	-	-	-	-	7.62 7.62	-	-	-	-	-	2.78 2.78	-	-	8.35 8.35	4.81 4.81	6.5 6.5	7.63 7.63	-
F85	-	2	6.5	9.52	24.47	-	5.25	-	7.62	2.5	7	0.69	9.38	1.16	2.78	2	4.81	8.35	4.81	6.5	-	.50 X .25
EM85	-	3	6.5	9.52	24.47	27.28	5.25	7.62	7.25	2.5	7	0.69	9.38	1.16	2.78	2	-	8.35	4.81	6.5	-	.50 X .25
EM309	-	4	-	-	17.87	21.31	-	-	7.62	-	-	-	-	-	2.78	1.25	-	8.35	4.81	6.5	-	.25 X .12

## 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	0.5	9.5	5	17.94
284-6	12.5	12.25	12.25	7	5.5	11	0.5	11.3	5	21.31
324-6	12.5	14.25	13.75	8	6.25	12	0.6	12.2	5.5	22.19
364-5	12.5	15.75	14	9	7	12.25	0.6	13.2	6.1	24.31
404-5	12.5	18.5	16.62	10	8	13.75	0.8	16.3	6.8	29.97

Aquarius Pump Company

ISO9001:2000 CERTIFIED