

**STARTECH PUMP COMPANY**

150 - 350 GPM

2.5 YH

200 - 425 Feet TDH

STANDARD SPECIFICATION**Discharge** - 2.5 inch flanged discharge**Suction** - 4 inch flanged suction**Balance Line** - Stainless steel flexible line**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 StarTech's historical 3WB**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 instructionsObtain drives locally or through StarTech's

MOUNTING OPTIONS

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

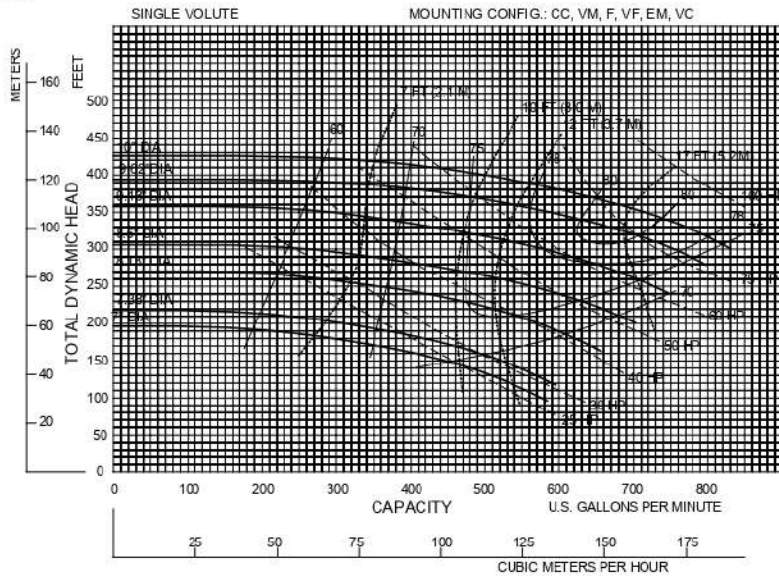
**FEATURES & BENEFITS**

- **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 StarTech'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 whole goods 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

**2.5 YH
3600 RPM**

Speed	Impeller Dia.	Style	Solids Dia.	N _s	Suction	Discharge	Nb. vanes
3525	VARIOUS	ENCLOSED	.50"	1130	4"	2.5"	6



Note:
Curves also available in 1800 and various RPM

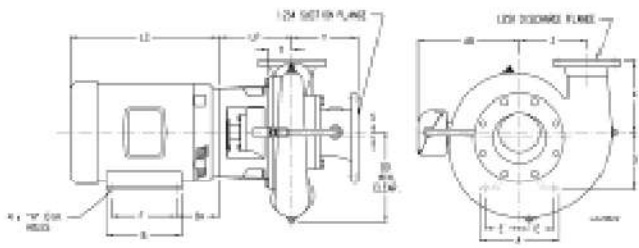


Figure 1

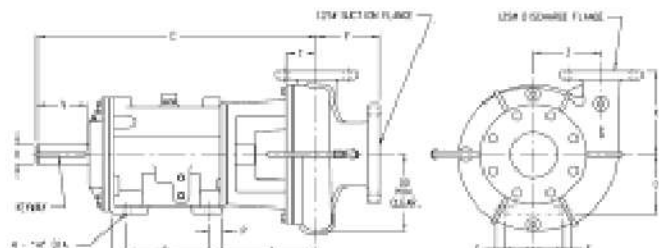


Figure 2

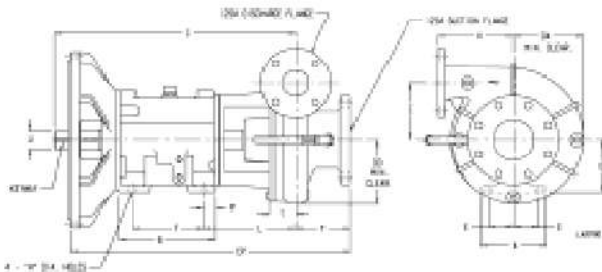
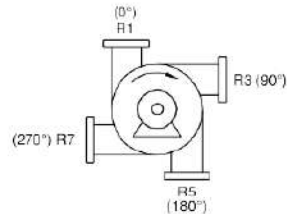


Figure 3



PUMP DIMENSIONS

MOUNT	AK	Fig.	A	B	C	CP	D	DA	DD	E	F	H	L	P	T	U	V	X	Y	Z	LP	KEYWAY
CC	8.5 12.5	1 1	-	-	-	-	-	-	7 7	-	-	-	-	-	2.59 2.59	-	-	7.5 7.5	5.38 5.38	5.75 5.75	7.44 7.44	-
F85	-	2	6.5	9.52	24.28	-	5.25	-	7	2.5	7	0.69	9.19	1.16	2.59	2	4.81	7.5	5.38	5.75	-	.50 X .25
EM85	-	3	6.5	9.52	24.28	27.66	5.25	7	7	2.5	7	0.69	9.19	1.16	2.59	2	-	7.5	5.38	5.75	-	.50 X .25
EM309	-	-	-	-	17.67	21.68	-	-	7	-	-	-	-	-	2.59	1.25	-	7.5	5.38	5.75	-	.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	0.53	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

StarTech Pump Company

ISO9001:2000 CERTIFIED