



STARTECH PUMP COMPANY

750 - 3750 GPM **Model 6YB/6YBS** 75 - 210 Feet TDH

STANDARD SPECIFICATION

Discharge - 6 inch discharge

Suction - 10 inch suction

Impeller - Enclosed, 6 vane: handles 0.75" solids

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

6YB matches Cornell's historical 6YB

6YBS is more compact, due to a short bracket

Materials of Construction

- Cast iron casing, bronze impeller
- Other materials available

MOUNTING OPTIONS

- **Close Coupled Electric**
 - StarTech Energy Efficient Design
- **Frame Mount**
 - StarTech F16
 - StarTech F18
- **Engine Bracket**
 - StarTech EM16 (SAE 1, 2, 3, 4)
 - StarTech EM18 (SAE 1, 2, 3,)
 - StarTech EM18DB (SAE 1, 2, 3,)

AVAILABILITY

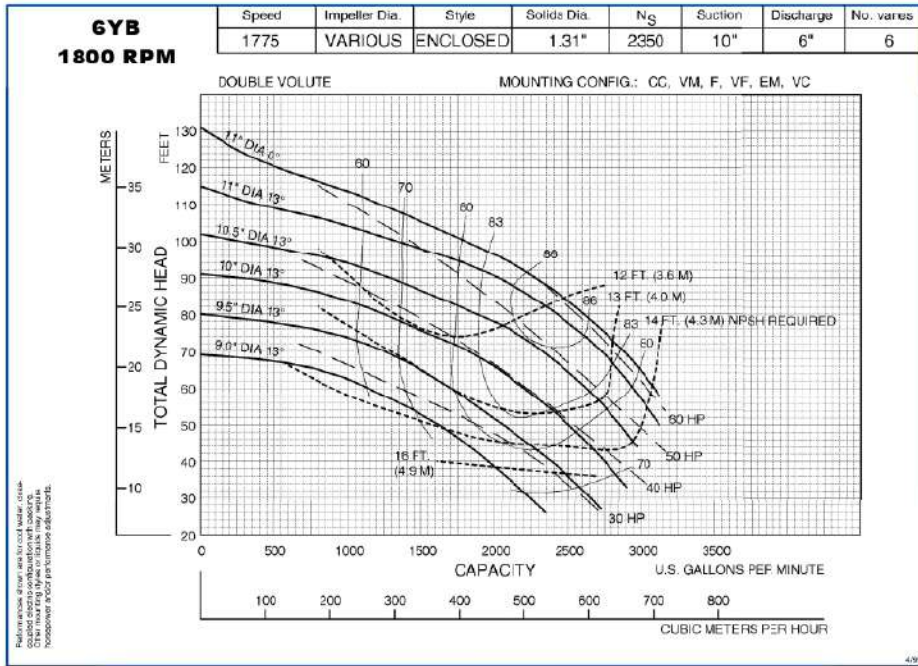
- **Preferred Pump**
 - Finished Components Regularly Stocked
(10 business days)
- **Specialty Pump**
 - StarTech Pump Company will design
and manufacture a variation of this pump
specifically designed for your application



FEATURES & BENEFITS

- **StarTech'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"
- **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

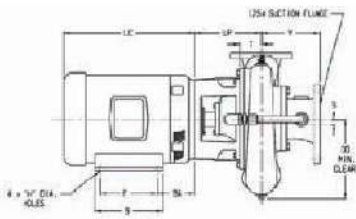


Figure 1

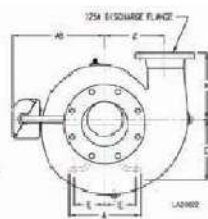


Figure 2

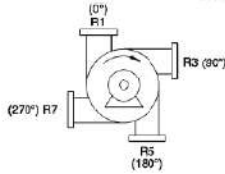
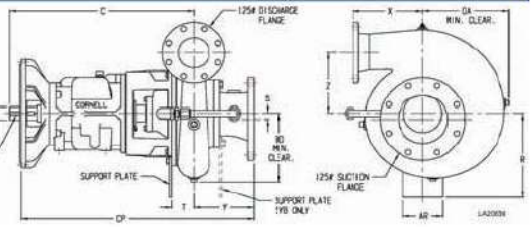


Figure 3



PUMP DIMENSIONS

MODEL	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
6 YB	CC	12.5	1	-	-	-	-	-	-	-	14.75	-	-	-	-	11.68	-	-	1	4.59	-	-	9.5	10.41	9.5	-
6 YB	F16	-	2	12	-	12.88	29.69	-	9.75	-	14.75	5.12	10.38	0.81	11.81	-	0.88	-	1	4.59	2	4.5	9.5	10.41	9.5	.50 X .25
6 YB-S	F16	-	2	12	-	12.88	26.26	-	9.75	-	14.75	5.12	10.38	0.81	8.38	-	0.88	-	1	4.59	2	4.5	9.5	10.41	9.5	.50 X .25
6 YB	F18	-	2	12	-	12.88	30.7	-	10.5	-	14.75	5.12	10.38	0.81	12.33	-	0.88	-	1	4.59	2.5	4.5	9.5	10.41	9.5	.62 X .31
6 YB-S	F18	-	2	12	-	12.88	27.18	-	10.5	-	14.75	5.12	10.38	0.81	8.88	-	0.88	-	1	4.59	2.5	4.5	9.5	10.41	9.5	.62 X .31
6YB	EM16	-	3	-	6	-	29.69	37.19	-	14.75	11.25	-	-	-	-	-	-	17.48	1	4.59	2	-	9.5	10.41	9.5	.50 X .25
6 YB-S	EM16	-	3	-	6	-	26.26	34.66	-	14.75	11.25	-	-	-	-	-	-	17.48	1	4.59	2	-	9.5	10.41	9.5	.50 X .25
6 YB	EM18	-	3	-	6	-	30.7	39.12	-	14.75	11.25	-	-	-	-	-	-	17.48	1	4.59	2.5	-	9.5	10.41	9.5	.62 X .31
6 YB-S	EM18	-	3	-	6	-	27.18	35.66	-	14.75	11.25	-	-	-	-	-	-	17.48	1	4.59	2.5	-	9.5	10.41	9.5	.62 X .31

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

CERTIFIED TO ISO 9001:2000