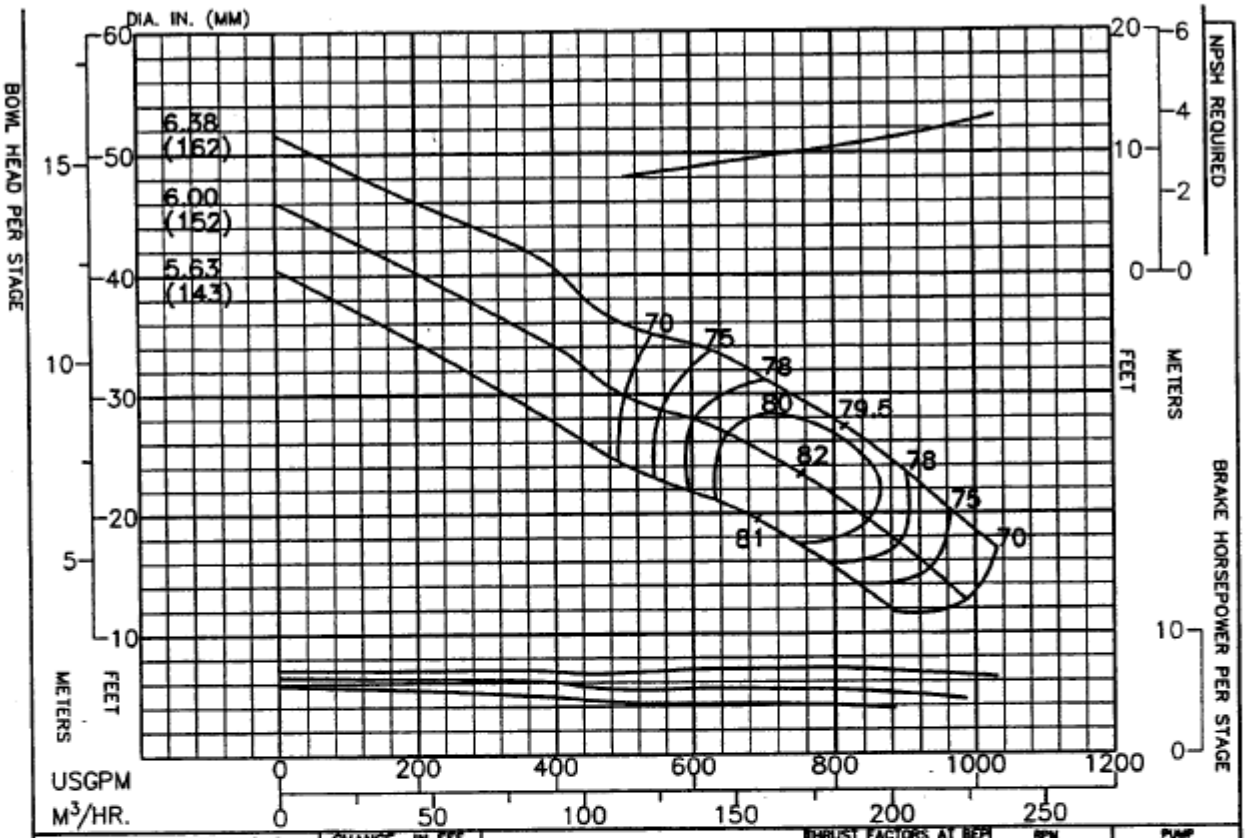
FLOWSERVE

10DM

01-JUNE-2000
NEW SHEET
IMPELLER CURVES

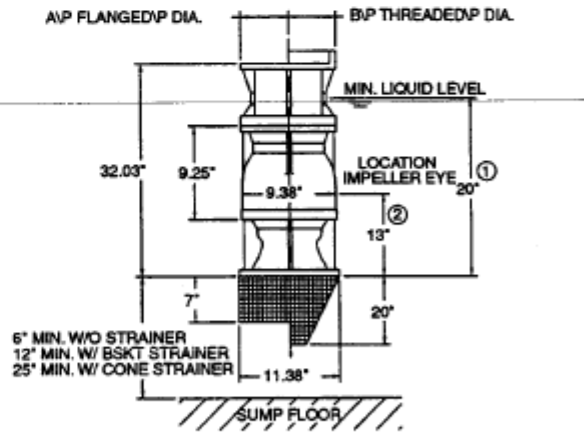


PERFORMANCE BASED ON PUMPING CLEAR WATER BELOW 85°F. WITH LISTED MAT'LS. COLUMN LOSSES NOT INCLUDED.	CHANGE STAGES	IN EFF. POINTS
	1	-2
	2	-1
	3	0
BOWL – CAST IRON		
IMPELLER – BRONZE		

THRUST FACTORS AT BEP			RPM	PUMP
IMPELLER	LBS/FT	KG/M	1770	10DM
STANDARD	16.5	24.6	SEMIOPEN IMPELLER	CURVE NO.
BALANCED	---	---		EC–1894
EYE AREA–22.0 SQ. IN.			N_s = 4230	

Column	Nom. Size	Max. GPM	"A" Flanged	"B" Threaded
Optional				
Standard	6"	600	9.38"	9.38"
Optional	8"	1500	11.38"	9.50"
RATINGS				
Max. Pressure = 300 psi based on Class 30 Iron bowls				
Impeller and Shaft Weight = 14.0 pounds per stage				
Pump Shaft	Diameter = 1.50 inches			
	Max. HP. = 200 with 416 SS Pump Shaft			
Line Shaft Size	1.00	1.25	1.50	
Line Shaft H.P.	57	115	200	

Additional Data	
Max. Operating Speed.	2100
Max. No. of Stages	15
Max. Sphere Size	1.16
End Play	.56
WR 2 Per Stage	CF
Bowl Ring Clearance	N/A
Impeller Running Clearance (3)	.010 - .015



(1) Minimum submergence required to prevent vortex formation. The submergence needed to provide adequate NPSH to the first stage. Impeller may be greater or less than shown. The larger of the two values must be used to determine actual minimum allowable submergence.

(2) Location of eye of first stage impeller. Used to calculate NPSH. This is also the minimum priming submergence. (See note 1).

(3) Vertical Impeller to Bowl running clearance after shaft stretch.

CF–Contact Factory
N/A–Not Available

All Specifications Subject to Change Without Notice.