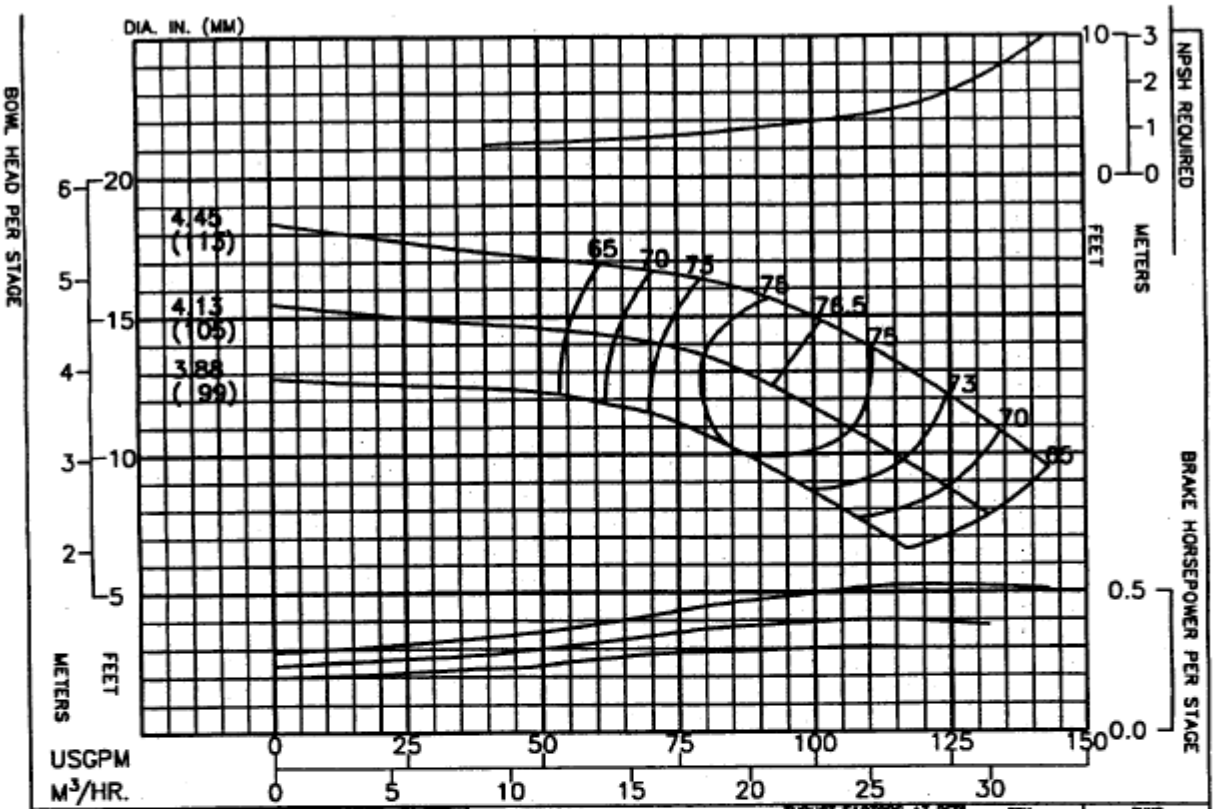
01-JUNE-2000
NEW SHEET

IMPELLER CURVES

6M11

FLOWSERVE



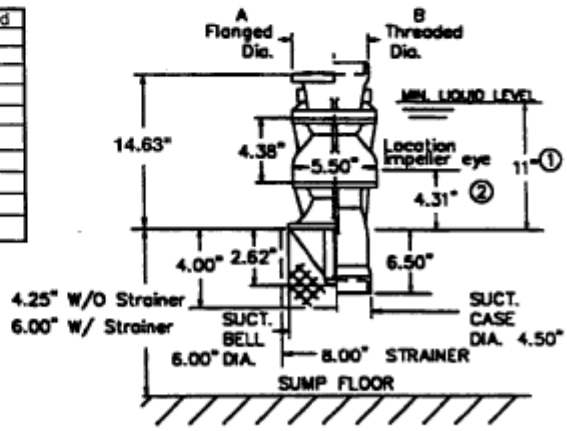
PERFORMANCE BASED ON PUMPING CLEAR WATER BELOW BST. WITH LISTED MATLS. COLUMN LOSSES NOT INCLUDED.	CHANGE STAGES	IN EFF. POINTS
BOWL – CAST IRON	1	-4
IMPELLER – BRONZE	4	-2.5
	3	-

THRUST FACTORS AT BEP			RPM	PUMP
IMPELLER	LBS/FT	KG/M	1760	6M11
STANDARD	1.45	2.16	ENCLOSED IMPELLER	CURVE NO.
EYE AREA– 4.12 SQ. IN.			H_{sp} = 2360	EC–2412

Column	Nom. Size	Max. GPM	"A" Flanged	"B" Threaded
Optional				
Standard	4"	200	7.50"	5.63"
Optional				

RATINGS	
Max. Pressure = 640 psi based on Class 30 Iron bowls	
Impeller and Shaft Weight = 4.0 pounds per stage	
Pump Shaft	Diameter = 1.00 inches
	Max. HP. = 57 with 416 SS Pump Shaft
Line Shaft Size	1.00
Line Shaft H.P.	57

Additional Data	
Max. Operating Speed.	3600
Max. No. of Stages	20
Max. Sphere Size	.16
End Play	.37
WR 2 Per Stage	.046
Bowl Ring Clearance	.003 - .005
Impeller Running Clearance (3)	0.125



(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.

All Specifications Subject to Change Without Notice.