

PERFORMANCE BASED ON
PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85° F. MAXIMUM.

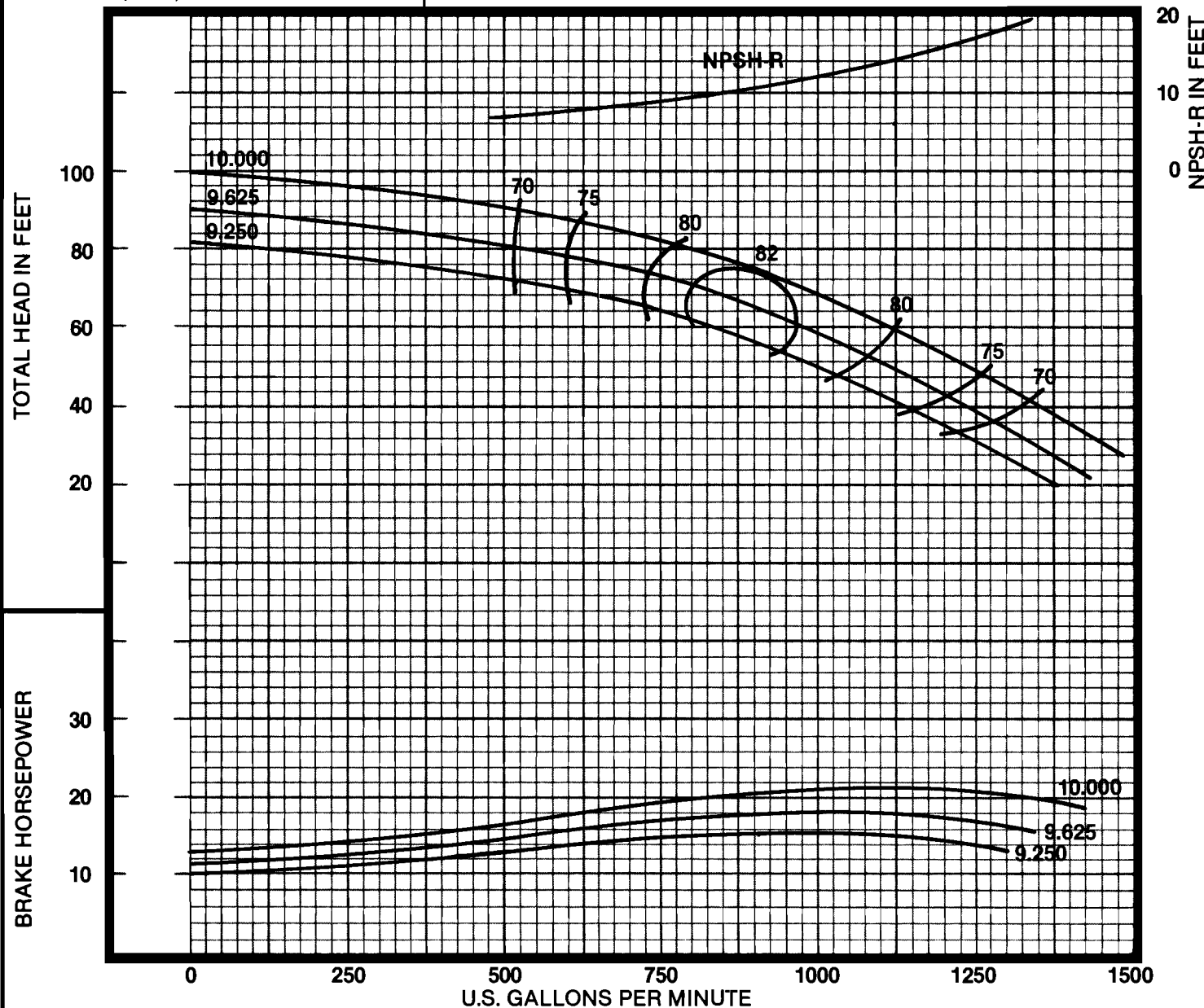


GLENDALE, ARIZONA

M12MC
1770 RPM

MARCH 1, 1983

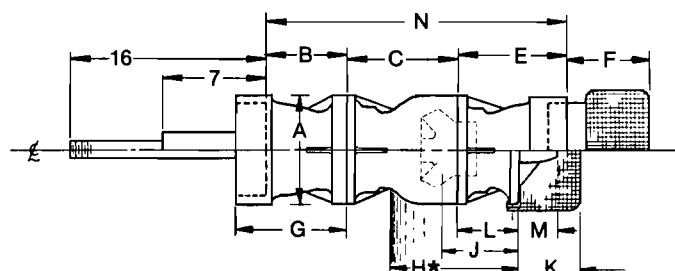
CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF STAGES	1	3	5		DESIGN:	-GPM	-TDH	-BHP	-EFF. %
	NUMBER OF POINTS	-2	-1	0		USER:				
1-STG () STGS										



DIMENSION IN INCHES	A	B	C ADD/STG	E	F	G	H*	J	K	L	M	N		
	12.12	6.94	11.31	11.38	9.44	9.12	21.00	8.00	10.06	7.25	3.75	29.63		

PUMP DATA

IMPELLER TYPE- ENCLOSED	BOWL CONNECTION- FLANGE			
NUMBER OF VANES- 6	DISCHARGE SIZE- 8" - 10"			
THRUST CONSTANT (K)- 7.9	SUCTION SIZE- 8"			
LATERAL- 1"	STD. TUBE- 2½" - 3"			
EYE AREA IN. ² - 18.39	WR ² - 1.51 LB. FT. ²			
SHAFT DIA.- 1.6875	ONE STAGE WT. LB.	315	ADD/STAGE WT. LB.	125



*MIN. SUBMERGENCE

*THIS DIMENSION TO BE USED IN CONJUNCTION WITH NPSH
REQUIRED. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.
NOTE: PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLERS.

M12MC

ONE STAGE PERFORMANCE
1770RPM

IMPELLER DIAMETER

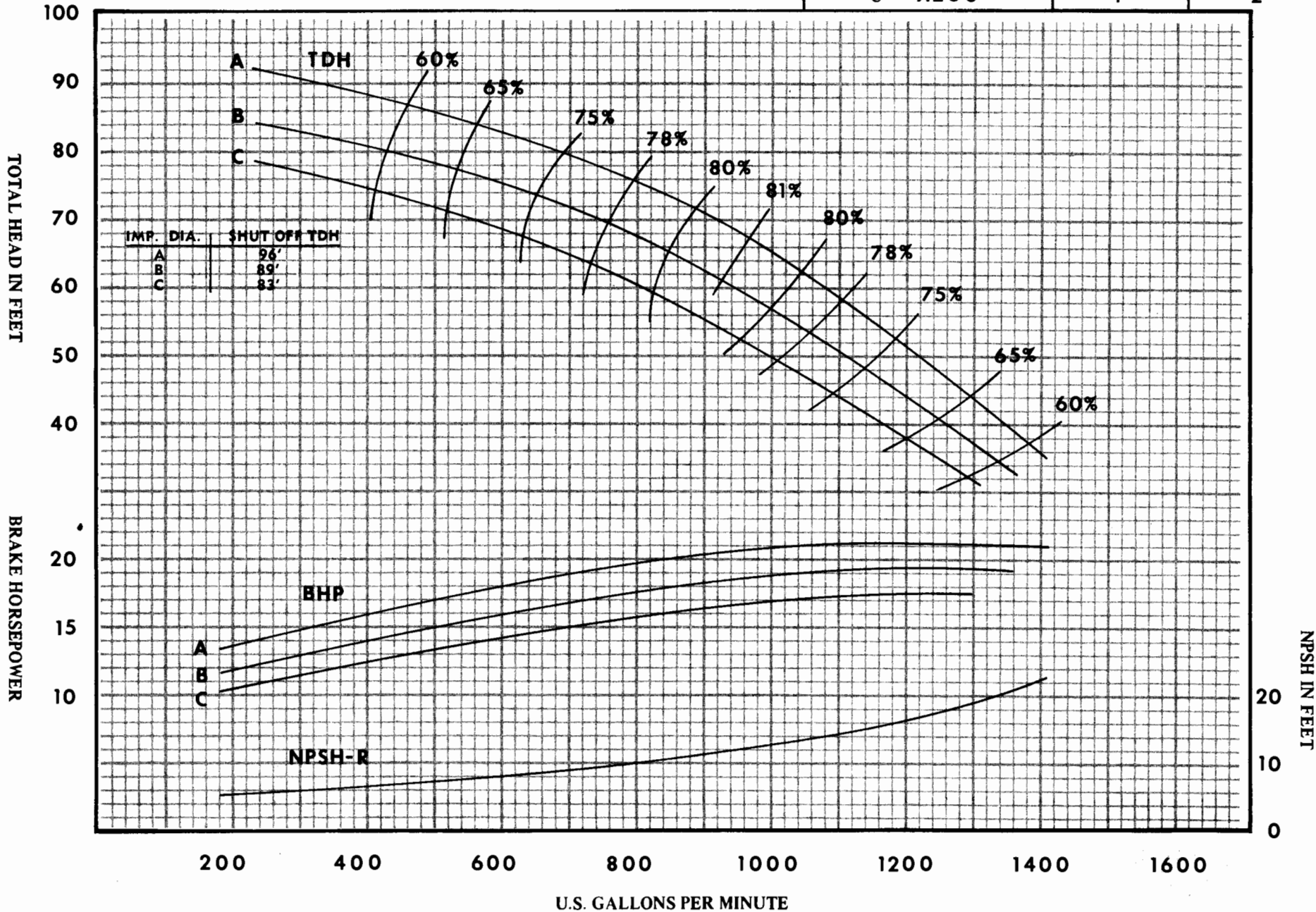
A= 10.000
B= 9.625
C= 9.250

EFFICIENCY

NO. OF STAGES
5
3
1

CHANGE

NO. OF POINTS
0
- 1
- 2



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PUMPING CLEAR, FRESH
NON-AERATED WATER AT
85 DEGREES F TEMPERATURE.

NATIONAL
pump
PC
GLENDALE, ARIZONA

SECTION—C
PAGE—15
CURVE—0523

M12MC
1770RPM
NOV. 1977

M12MC

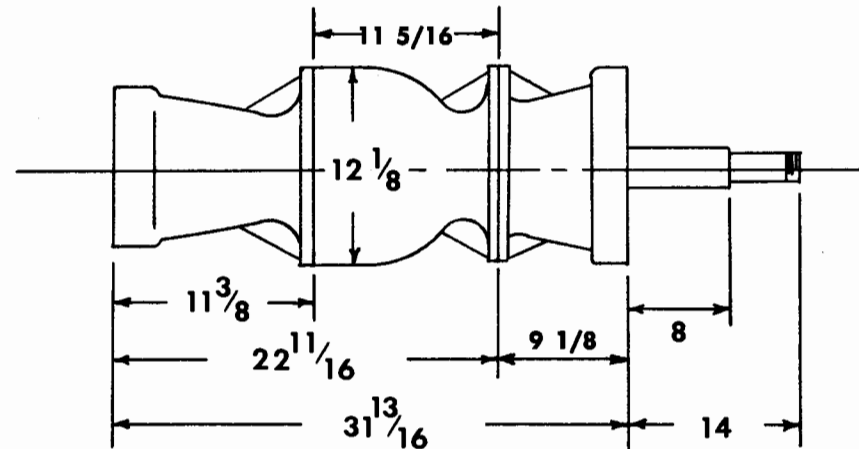
SINGLE STAGE WEIGHT:

THREADED 305 lbs.

FLANGED 319 lbs.

ADD'L STAGE WEIGHT:

119 lbs.



IMPELLER DATA

IMPELLER NO. 0523 . TYPE ENCLOSED . STANDARD MATERIAL BRONZE . FULL DIAMETER 10.000 .
EYE AREA 18.39 sq. in. NO. VANES 6 . THRUST CONSTANT 7.9 . WEIGHT 16 lbs.

BOWL DATA

BOWL NO. WITH BRZ. BRG. 0503 . BOWL NO. WITH RUBBER BRG. 0505 . TYPE BOLTED .
LATERAL 1" . SHAFT DIA. 1 1/16 . MAX. NO. OF STAGES 18 . SUCTION INLET 8" THR'D.
COLUMN PIPE 8" - 10" THR'D.
COLUMN PIPE 8" FLANGED.