

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

N^{PC} NATIONAL
PUMP

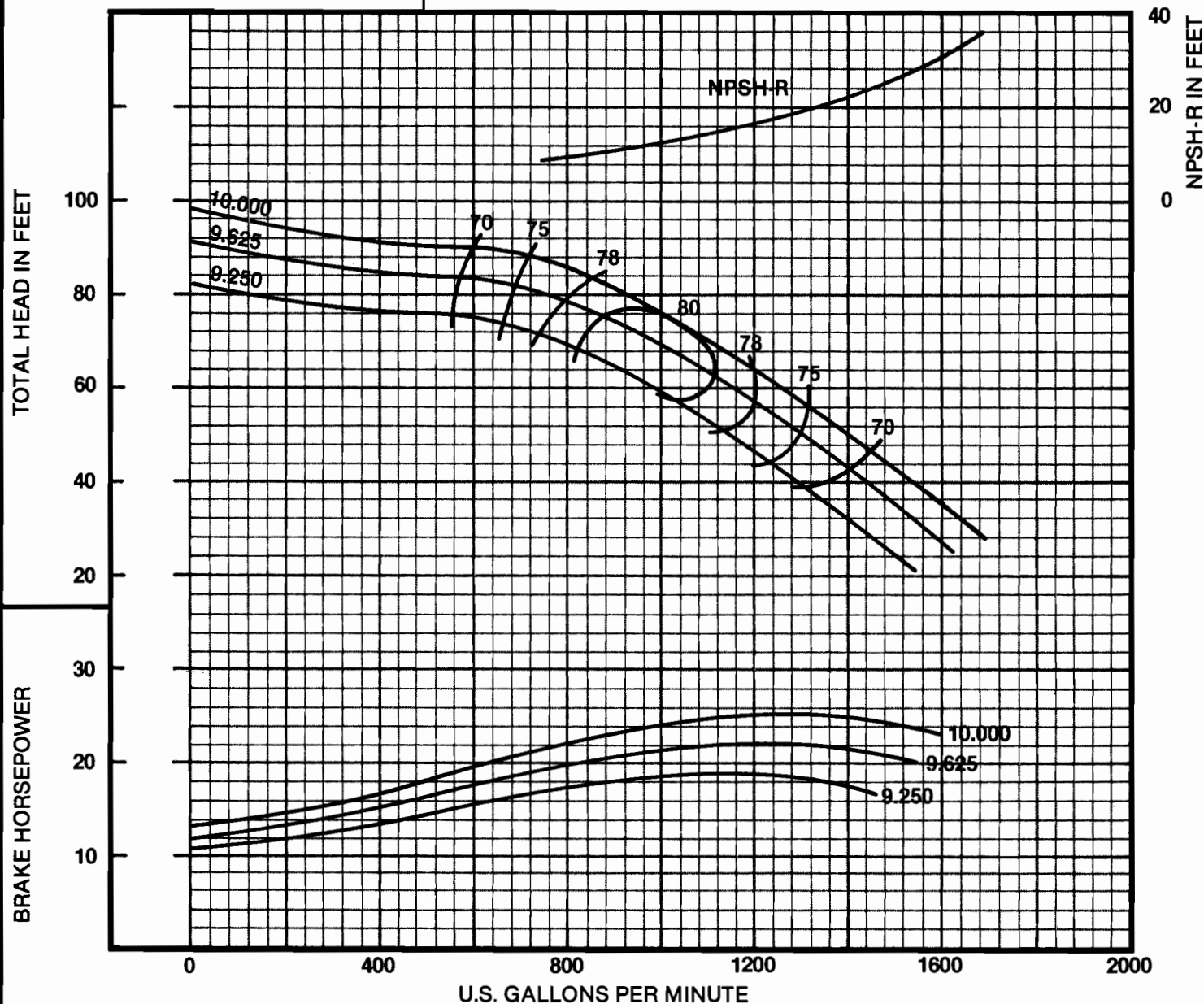
M12HC
1770 RPM

GLENDAL, ARIZONA

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:				

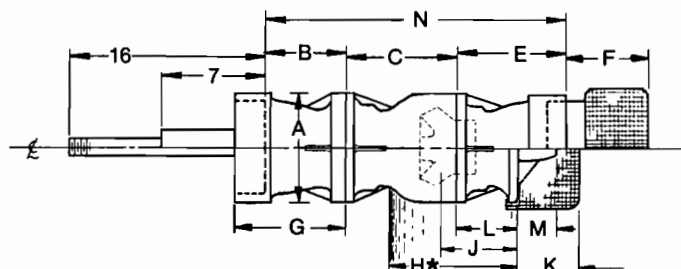
1-STG () STGS



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- 7	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



*THIS DIMENSION TO BE USED IN CONJUNCTION WITH NPSH
REQUIRED. PUMP INSTALLATION AND SYSTEM MUST SATISFY BOTH VALUES.

*MIN. SUBMERGENCE

NOTE: PERFORMANCE BASED ON CAST IRON ENAMELED BOWLS AND BRONZE IMPELLERS.

M12HC

ONE STAGE PERFORMANCE

1770 RPM

IMPELLER DIAMETER

A= 10.000

B= 9.630

C= 9.260

EFFICIENCY

NO. OF STAGES

4

3

1

CHANGE

NO. OF POINTS

0

-1

-2

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NON-AERATED WATER AT
85 DEGREES F TEMPERATURE.

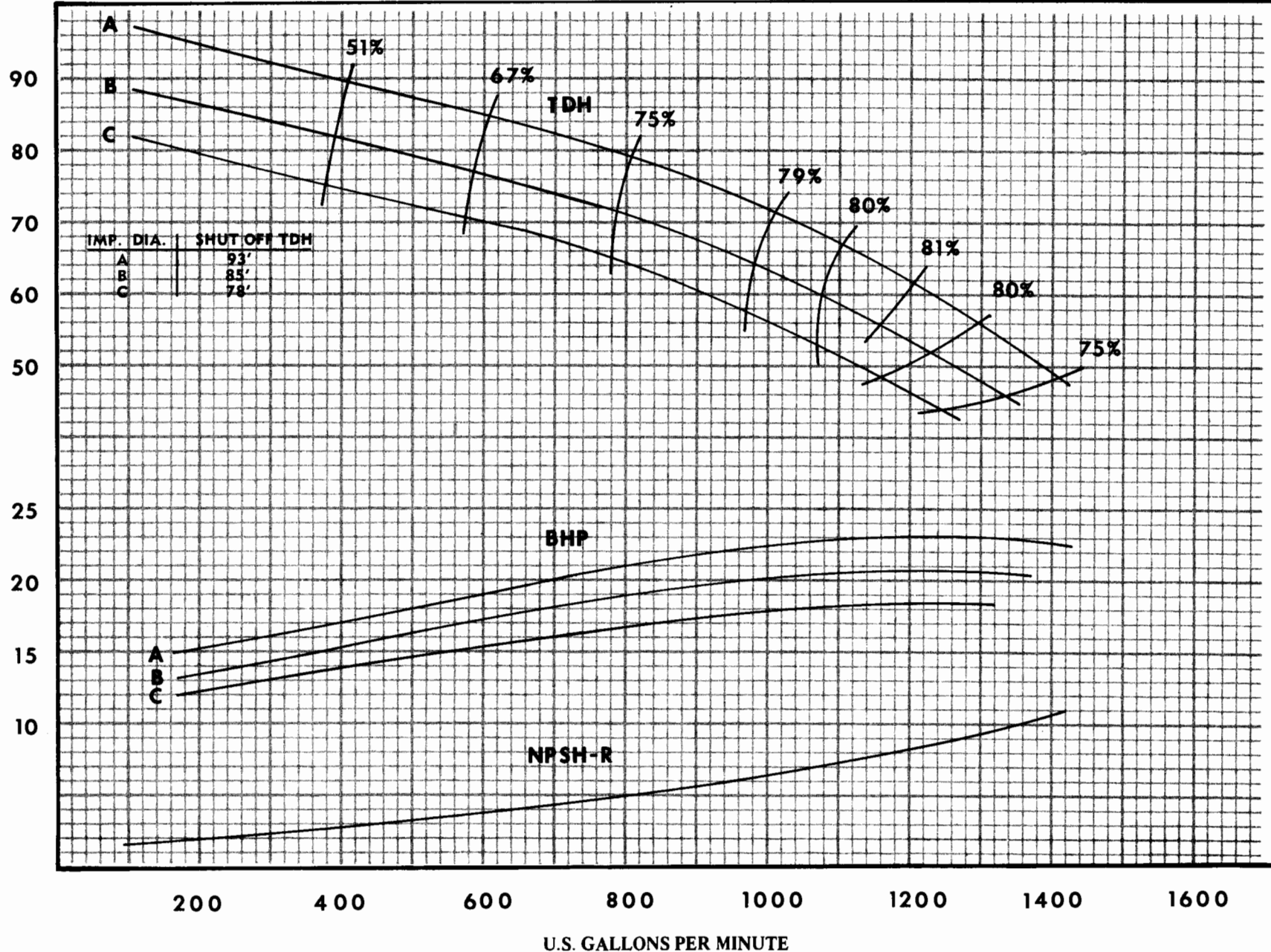
PC NATIONAL
PUMP
GLENDALE, ARIZONA

SECTION-C
PAGE-16
CURVE-0522

M12HC
1770 RPM
OCT, 1977

TOTAL HEAD IN FEET

BRAKE HORSEPOWER



NPSH IN FEET

M12 HC

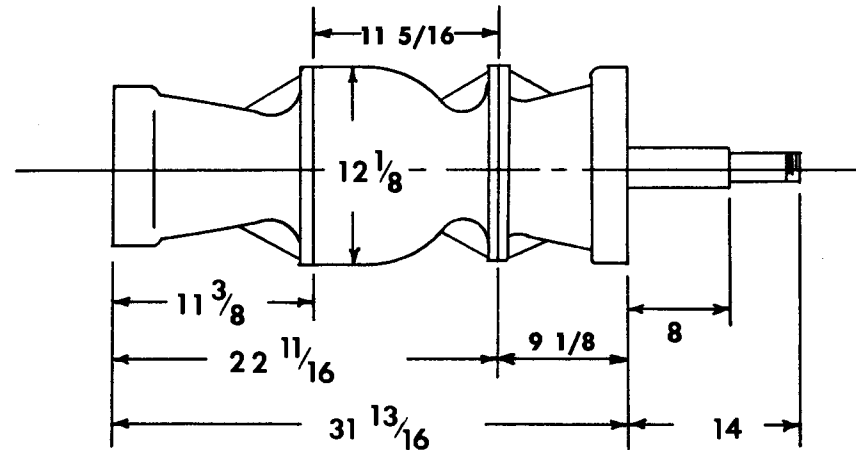
SINGLE STAGE WEIGHT:

THREADED 305 lbs.

FLANGED 319 lbs.

ADD'L STAGE WEIGHT:

119 lbs.



IMPELLER DATA

IMPELLER NO. 0522 . TYPE ENCLOSED . STANDARD MATERIAL BRONZE . FULL DIAMETER 10.000 .

EYE AREA 18.39 sq. in. NO. VANES 7 . 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. $1 \frac{11}{16}$. MAX. NO. OF STAGES 18 . SUCTION INLET 8" THR'D.

COLUMN PIPE 8" - 10" THR'D.

COLUMN PIPE 8" FLANGED.