

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



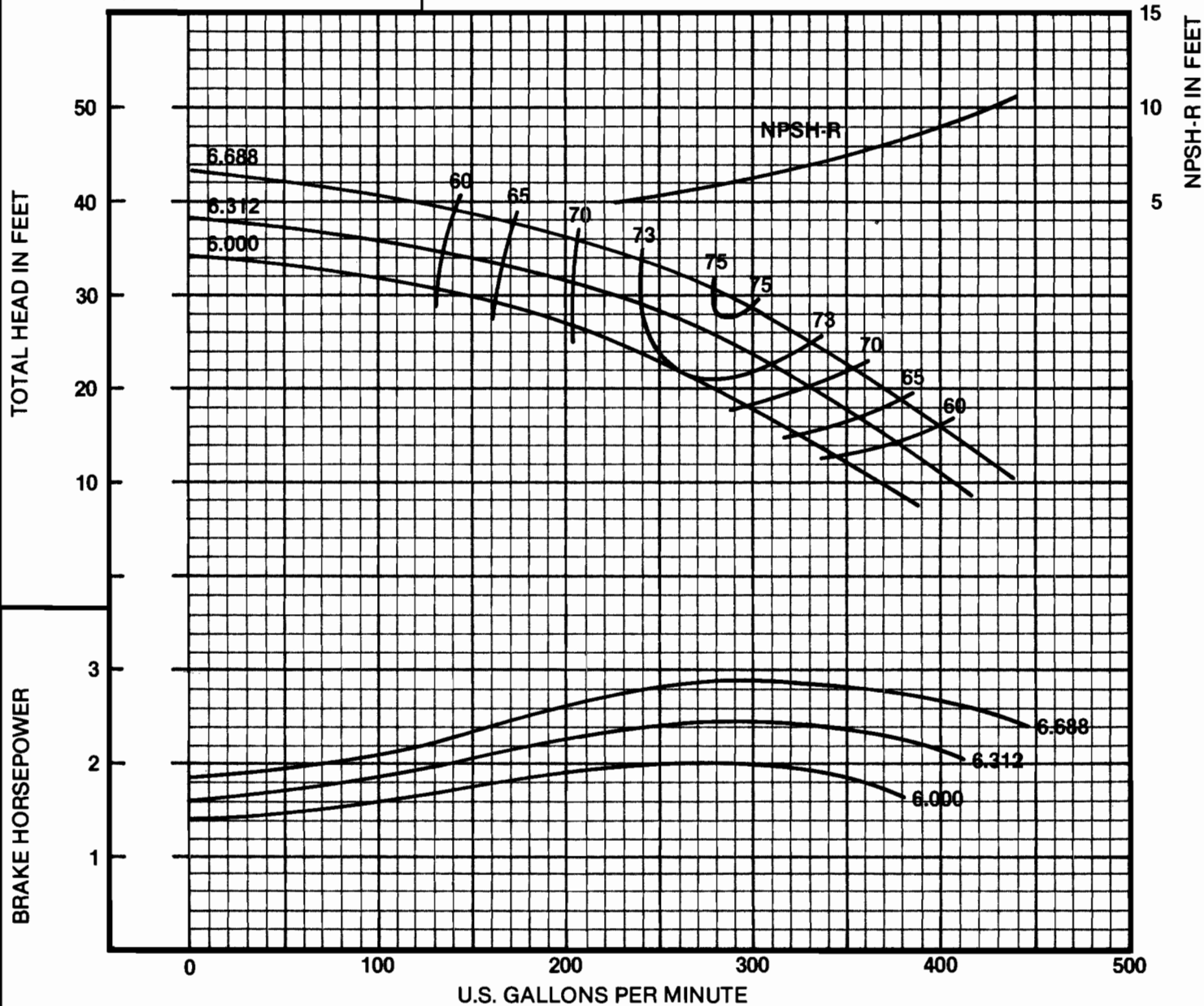
GLENDALE, ARIZONA

**M8MC**  
1770 RPM

MARCH 1, 1983

|                                    |                     |    |    |   |         |      |      |      |         |
|------------------------------------|---------------------|----|----|---|---------|------|------|------|---------|
| CHANGE<br>EFFICIENCY<br>AS FOLLOWS | NUMBER<br>OF STAGES | 1  | 3  | 5 | DESIGN: | -GPM | -TDH | -BHP | -EFF. % |
|                                    | NUMBER<br>OF POINTS | -2 | -1 | 0 | USER:   |      |      |      |         |

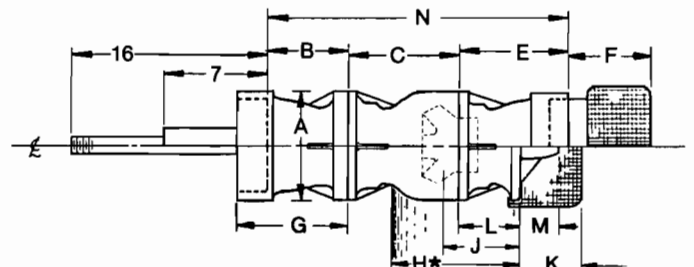
1-STG ( ) STGS



| DIMENSION<br>IN<br>INCHES | A    | B    | C<br>ADD/STG | E    | F    | G    | H*    | J    | K    | L    | M    | N     |  |  |
|---------------------------|------|------|--------------|------|------|------|-------|------|------|------|------|-------|--|--|
|                           | 8.12 | 5.50 | 7.25         | 8.12 | 6.56 | 7.44 | 14.50 | 6.25 | 6.12 | 5.62 | 2.50 | 20.87 |  |  |

### PUMP DATA

|                             |      |                                                                                   |                                                   |
|-----------------------------|------|-----------------------------------------------------------------------------------|---------------------------------------------------|
| IMPELLER TYPE-    ENCLOSED  |      | BOWL CONNECTION- FLANGE                                                           |                                                   |
| NUMBER OF VANES-            | 6    | DISCHARGE SIZE-            5" - 6"                                                |                                                   |
| THRUST CONSTANT (K)-        | 4.0  | SUCTION SIZE-                        5"                                           |                                                   |
| LATERAL-                    | .75" | STD. TUBE-                                2"                                      |                                                   |
| EYE AREA IN. <sup>2</sup> - | 8.74 | WR <sup>2</sup> -                                        .32 LB. FT. <sup>2</sup> |                                                   |
| SHAFT DIA.-                 | 1.25 | ONE STAGE<br>WT. LB.                                                              | 102            ADD/STAGE<br>WT. LB.            40 |



\*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.

# M8MC

## ONE STAGE PERFORMANCE

### 1770 RPM

#### IMPELLER DIAMETER

A= 6.688  
B= 6.312  
C= 6.000

#### EFFICIENCY

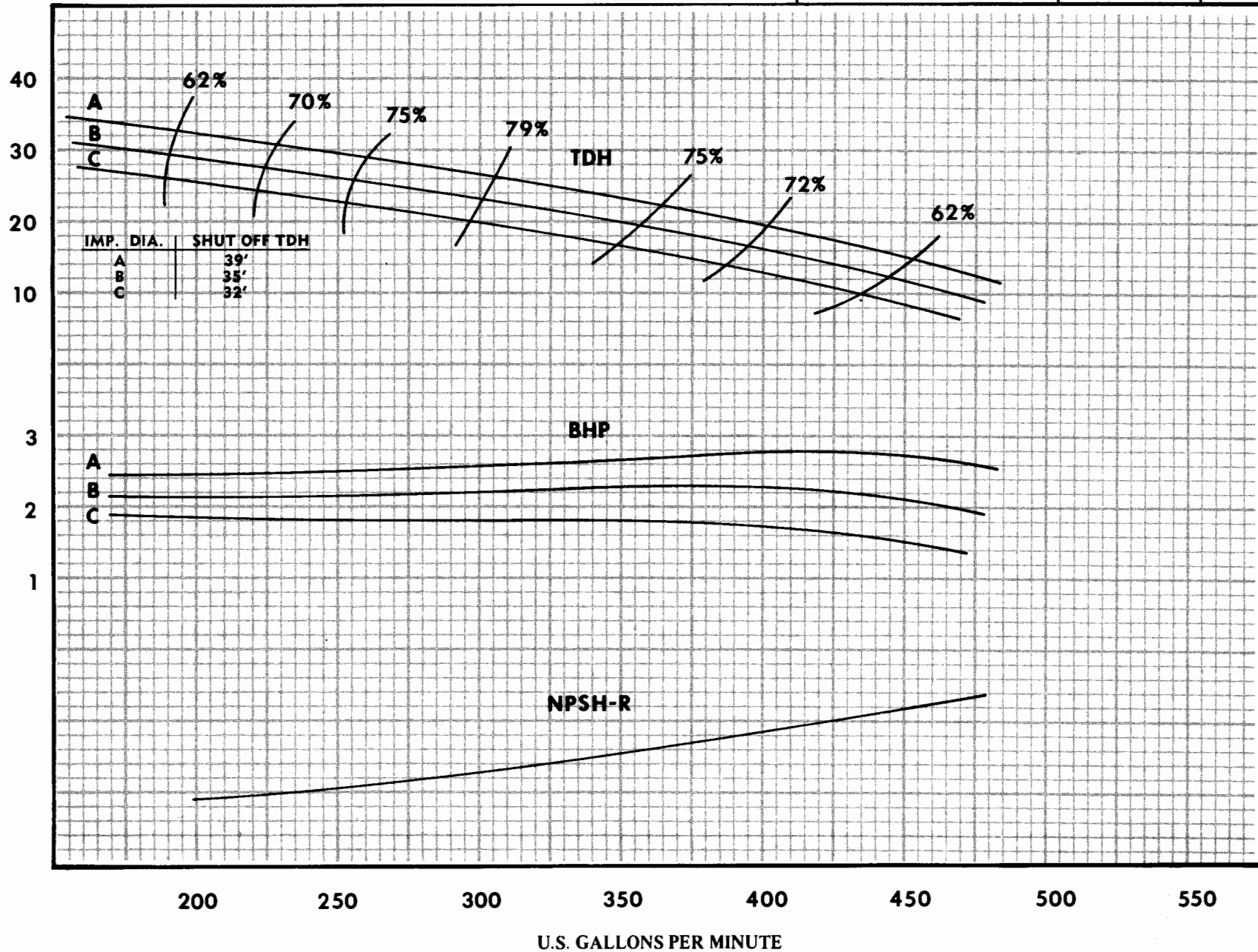
NO. OF STAGES  
5  
3  
1

#### CHANGE

NO. OF POINTS  
0  
-1  
-2

TOTAL HEAD IN FEET

BRAKE HORSEPOWER



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

**NATIONAL**  
**PUMP**  
GLENDALE, ARIZONA

SECTION—C  
PAGE—4  
CURVE—0223

**M8MC**  
1770 RPM  
OCT, 1977

# M8MC

**N<sup>PC</sup>** NATIONAL  
PUMP

GLENDALE, ARIZONA

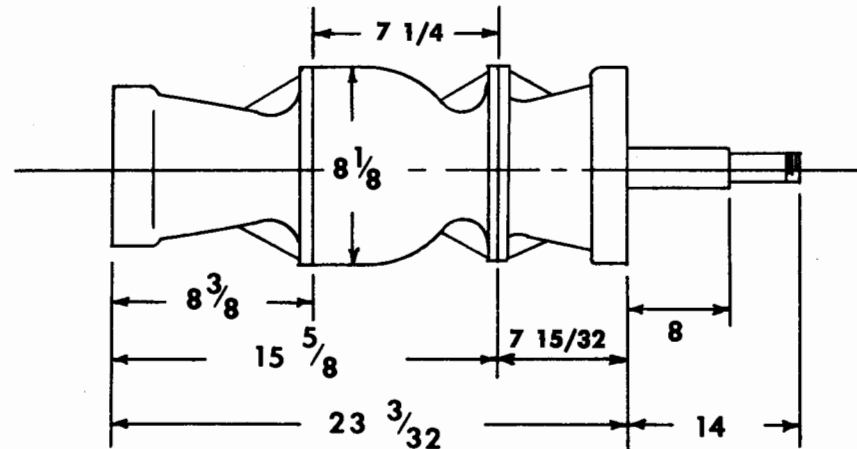
SINGLE STAGE WEIGHT:

THREADED 123 lbs.

FLANGED 130 lbs.

ADD'L STAGE WEIGHT:

44 lbs.



## IMPELLER DATA

IMPELLER NO. 0223 . TYPE ENCLOSED . STANDARD MATERIAL BRONZE . FULL DIAMETER 6.688 .  
EYE AREA 8.74 sq. in. NO. VANES 6 . THRUST CONSTANT 4.0 . WEIGHT 8 lbs.

## BOWL DATA

BOWL NO. WITH BRZ. BRG. 0203 . BOWL NO. WITH RUBBER BRG 0205 . TYPE BOLTED .  
LATERAL 3/4" . SHAFT DIA. 1 1/4 . MAX. NO. OF STAGES 29 . SUCTION INLET 5" THR'D.  
COLUMN PIPE 5"-6" THR'D.  
COLUMN PIPE 6" FLANGED.