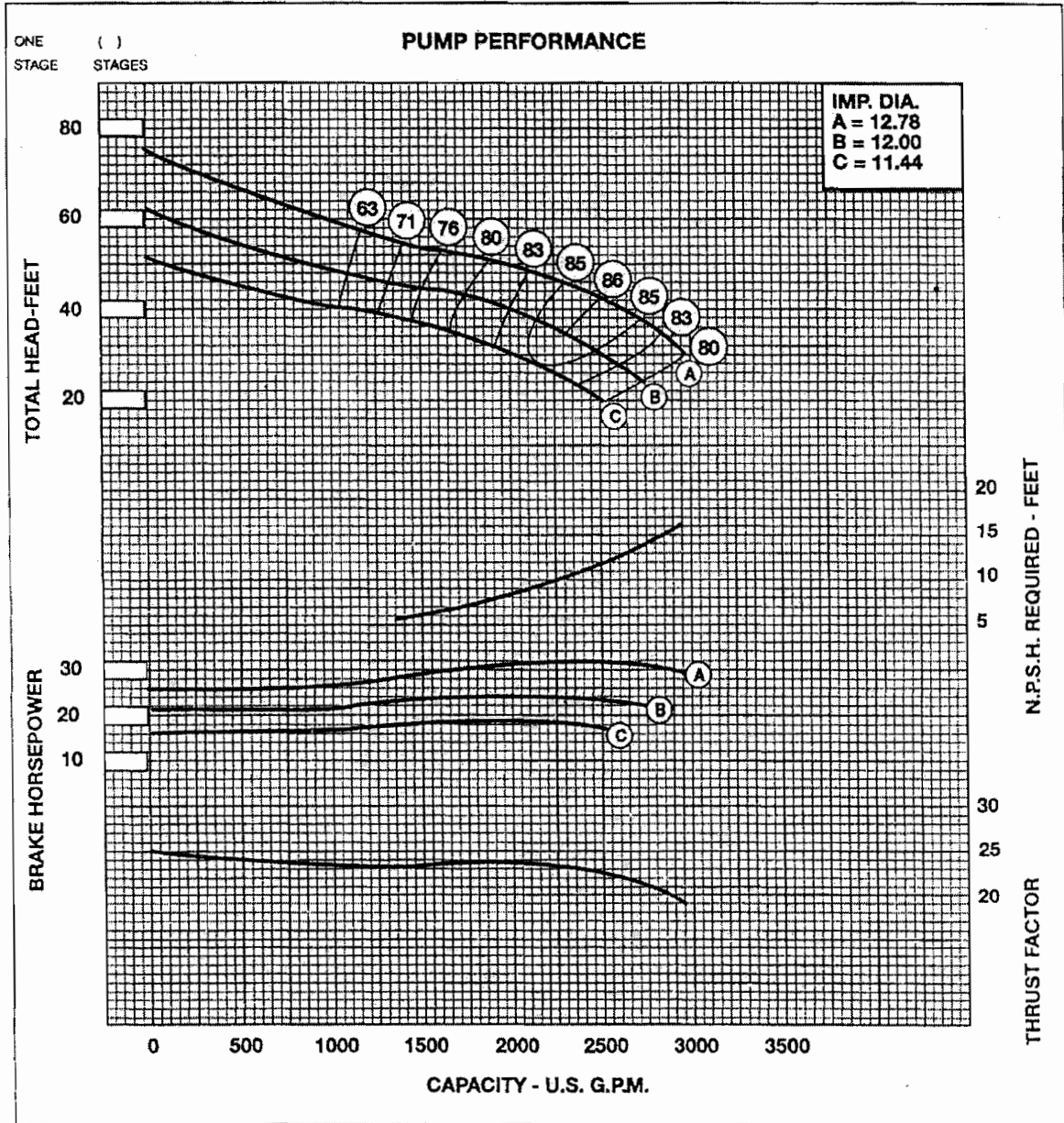


# VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

108.1

|                                                                                                                  |            |             |              |             |                                                                                                                                                                                                               |             |
|------------------------------------------------------------------------------------------------------------------|------------|-------------|--------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <br><b>Fairbanks Morse Pump</b> | No. Stages | Eff. Change | MATERIAL     | Eff. Change | 16E                                                                                                                                                                                                           | 1180 R.P.M. |
|                                                                                                                  | 1          | -1 1/2      | IMP. - C.I.  | 1           | SINGLE STAGE LAB PERFORMANCE WITH STANDARD MATERIALS. EFFICIENCY SHOWN FOR 2 OR MORE STAGES. HORSE POWER SHOWN FOR ONE STAGE BASED ON 2 STAGE EFFICIENCY. CORRECTIONS SHOULD BE MADE FOR STAGES AND MATERIAL. |             |
|                                                                                                                  | 2          | 0           | IMP. - NI-RI | 1           |                                                                                                                                                                                                               |             |
|                                                                                                                  | 3          |             | BOWL - BRZ.  | 2           |                                                                                                                                                                                                               |             |
|                                                                                                                  | 4          |             | BOWL - NI-R. | 2           |                                                                                                                                                                                                               |             |



|                                       |                            |                                   |                |
|---------------------------------------|----------------------------|-----------------------------------|----------------|
| EYE AREA - SQ. IN.                    | = 51.2                     | IMPELLER WT. - LBS.               | = 45           |
| WRP PER IMPELLER LB.-FT. <sup>3</sup> | = 7.2 LB.-FT. <sup>3</sup> | ONE STAGE WT. - LBS.              | = 400          |
| MAX. SPHERE SIZE                      | = -- IN                    | ADD'L STAGE WT. - LBS.            | = 250          |
| MAX NO. STD. STAGES                   | = 4                        | IMPELLER NUMBER                   | = --           |
| MAX. OPERATING - P.S.I.               | = 300                      | DISCH. - SIZES                    | = 12, 14       |
| STD. LATERAL - IN.                    | = 0.44 IN                  | SUCTION - SIZES                   | = 17 1/4 BELL  |
| STD. SHAFT DIA. - IN.                 | = 2.187 IN                 | MAX. LATERAL                      | = -- IN        |
| MAX. SHAFT DIA. - IN.                 | = -- IN                    | BOWL CONN.                        | FLANGED-COLLET |
| MIN. SUBMERGENCE - IN.                | = 25 IN                    | ADD 15 1/4" PER ADDITIONAL STAGE. |                |

