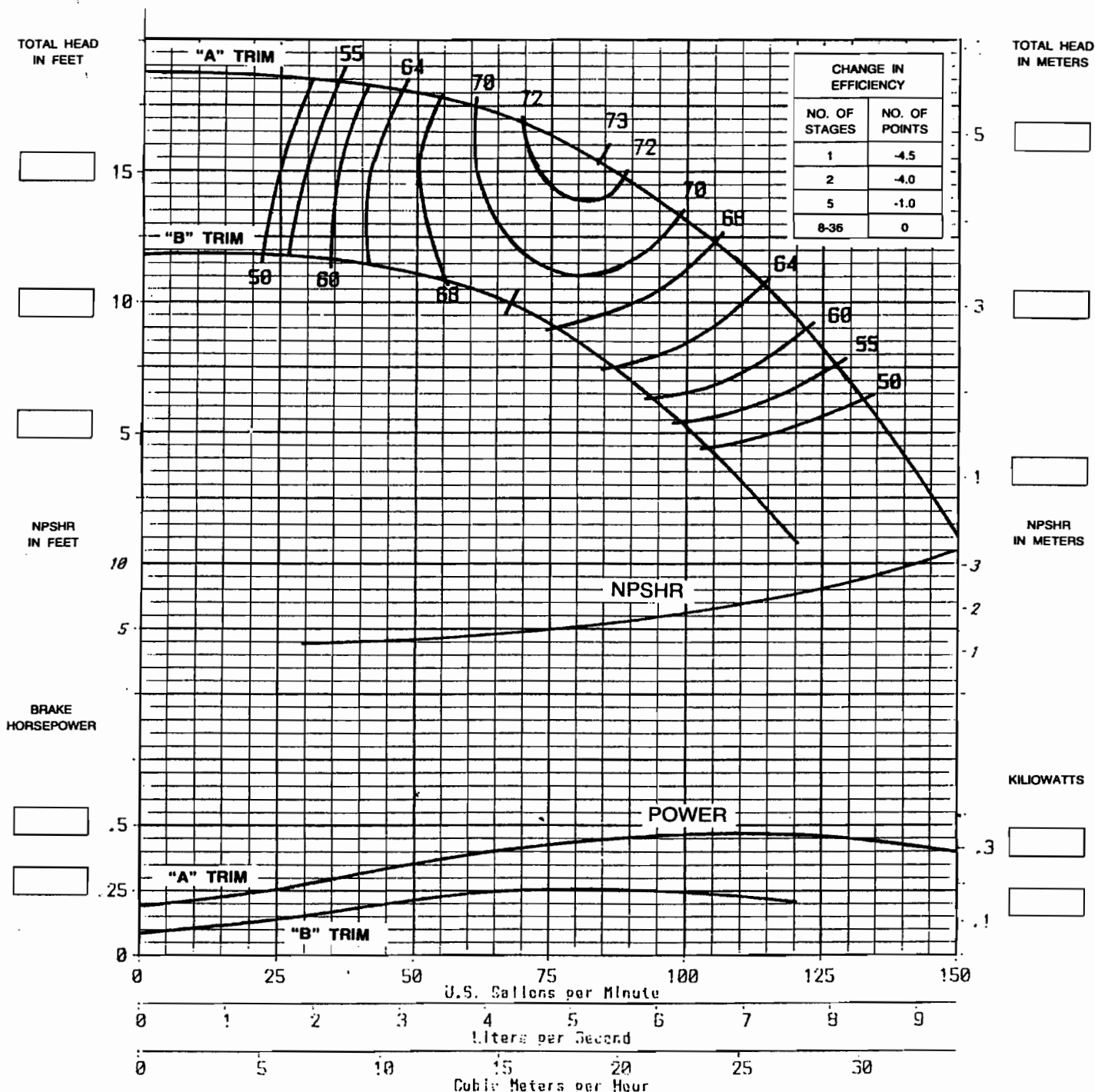




1770 RPM  
SINGLE STAGE PERFORMANCE

MODEL 6BCM  
ENCLOSED IMPELLER  
STANDARD CONSTRUCTION  
See reverse side for detailed information.

☐ STAGES REQUIRED



Pump hydraulic performance is based on handling cold clear, fresh nonaerated water, free of foreign materials.

Customer: \_\_\_\_\_

Item No.: \_\_\_\_\_

Capacity: \_\_\_\_\_ TDH \_\_\_\_\_ Bowl HP \_\_\_\_\_ Bowl Efficiency \_\_\_\_\_

# IMPELLER DATA

6 BCM  
1770

IMPELLER NO. 406-3-3003 . TYPE Enclosed . DIAMETER: A 4.50 ", 114.3 mm,

B 3.83 ", 97.3 mm

EFFECTIVE EYE AREA 4.05 sq. inches, 2613 sq. mm. NUMBER OF VANES 8 .

THRUST CONSTANT K 1.5 lbs. / ft. 21.9 N / m of head. WEIGHT 2.40 lbs., 1.09 Kg.

WR<sup>2</sup> .056 lbs. / ft<sup>2</sup>., .273 Kg / m<sup>2</sup>.

EYE FLUID VELOCITY CK .079 ft. / sec. / GPM, .382 m / sec. / LPS.

PERIPHERAL VELOCITY 7.73 ft. / sec. / inch, .093 m / sec. / mm of impeller dia. Ns 2089

## BOWL DATA

BOWL NO. 406-3-2001 . CONNECTION TYPE Threaded . NOMINAL DIAMETER (E) 5 1/16 ", 144.46 mm.

MINIMUM DIAMETER (E) 5 1/16 ", 144.46 mm.

COLUMN PIPE SIZE 4 ", 101.6 mm, STANDARD,        ",        mm, MAXIMUM

SUCTION PIPE SIZE 4 ", 101.6 mm, STANDARD,        ",        mm, MAXIMUM.

PUMP SHAFT DIAMETER 1.0 ", 25.4 mm, STANDARD        ",        mm MAXIMUM.

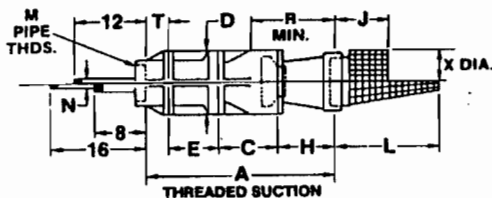
INTERNAL 0.25 ", 6.35 mm, STANDARD,        ",        mm MAXIMUM.

AFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.

MAXIMUM NUMBER OF STAGES 36 (std. construction).

MAXIMUM HEAD 1337 ft., 408 m (std. construction). MAXIMUM SPHERE SIZE 9/32 ", 7.1 mm.

PROJECTIONS ABOVE COLUMN PIPE BUTT: **TUBE** 8", 203.2 mm; **SHAFT** 16", 406.4 mm. FOR ENCLOSED LINESHAFT. 12", 304.8 mm. FOR OPEN LINESHAFT.



STANDARD DIMENSIONS

|     | A        | B | C       | D      | E      | F | G | H     | J     | K | L      | M     | N    | P | R     | T     | W | X     | Y |
|-----|----------|---|---------|--------|--------|---|---|-------|-------|---|--------|-------|------|---|-------|-------|---|-------|---|
| IN. | 20 15/16 | — | 4 15/16 | 5 1/16 | 9 7/16 | — | — | 7 1/2 | 7     | — | 12 3/4 | 4     | 1    | — | 8 1/2 | 3 3/4 | — | 8     | — |
| MM. | 531.8    | — | 115.9   | 144.5  | 233.4  | — | — | 190.5 | 177.8 | — | 323.8  | 101.6 | 25.4 | — | 215.9 | 92.1  | — | 203.2 | — |

WEIGHT: SINGLE STAGE 65 LBS., 29.4 KGS. ADDITIONAL STAGE 22 LBS., 9.97 KGS.