

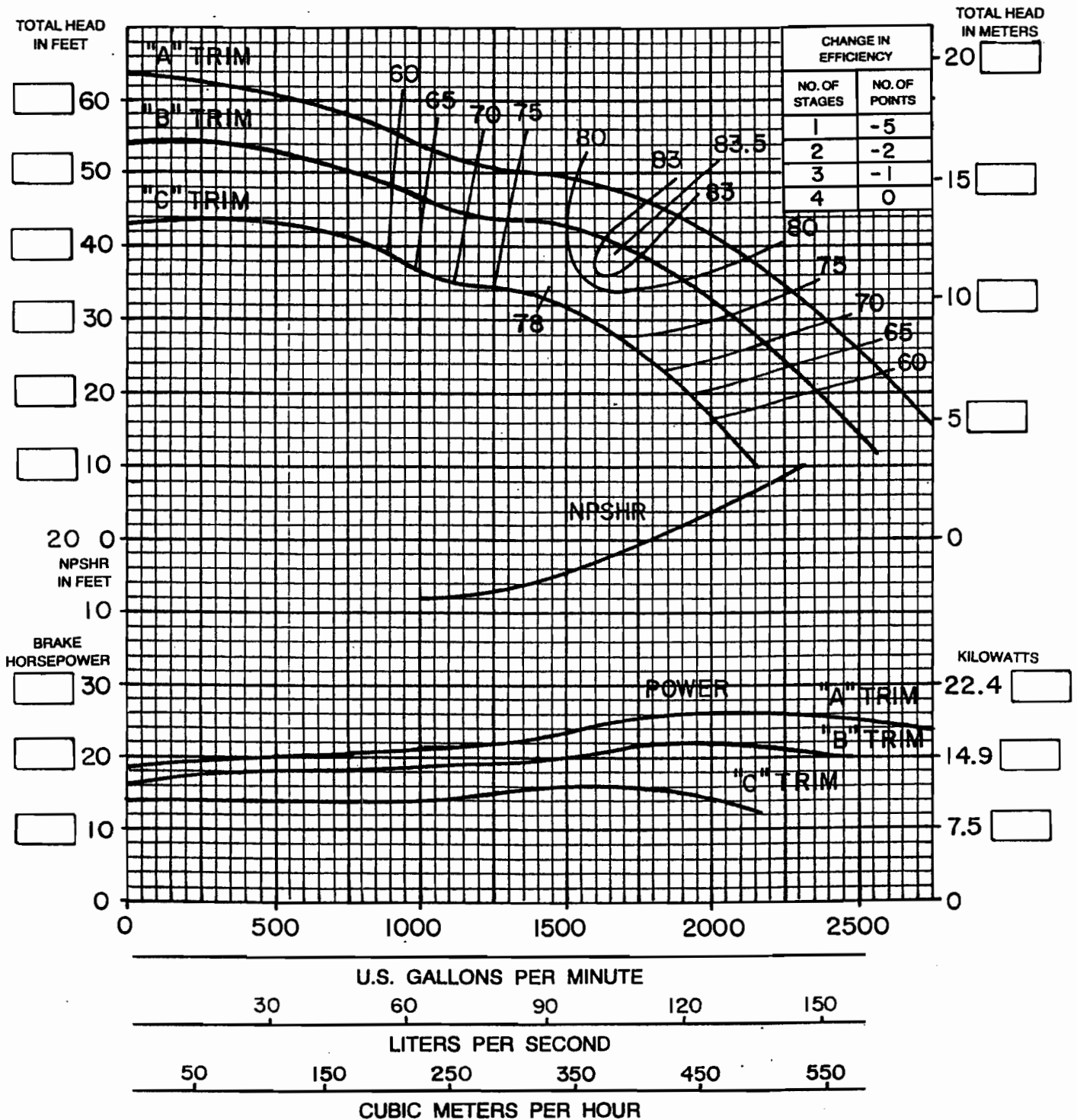


**1770 RPM
SINGLE STAGE PERFORMANCE**

**MODEL 12DCHH
STANDARD CONSTRUCTION**

☐ STAGES REQUIRED

See reverse side for detailed information.



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

Customer: _____

Item No.: _____

Capacity: _____ TDH _____ Best HP _____ Best Efficiency _____

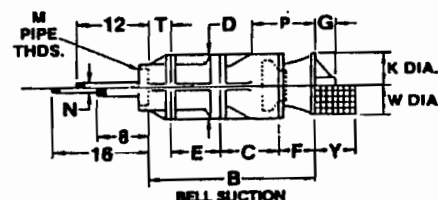
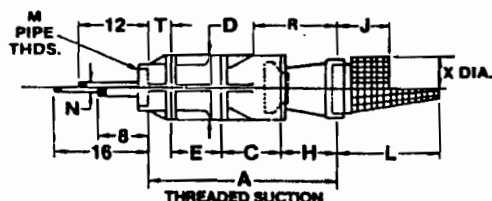
IMPELLER DATA

IMPELLER NO. 412-3-3031 . TYPE ENCLOSED . DIAMETER: A 9.00 ", 228.6 mm,
 B 8.50 ", 215.9 mm, C 8.00 ", 203.2 mm,
 EFFECTIVE EYE AREA 32.82 sq. inches, 21174.2 sq. mm. NUMBER OF VANES 7 .
 THRUST CONSTANT K 15.48 lbs. / ft. 221.3 N / m of head. WEIGHT 17.25 lbs., 7.82 Kg.
 WR² 2.51 lbs. / ft²., 12.23 Kg / m².
 EYE FLUID VELOCITY CK .010 ft. / sec. / GPM, .048 m / sec. / LPS.
 PERIPHERAL VELOCITY 7.72 ft. / sec. / inch, .093 m / sec. / mm of impeller dia. Ns 2154

BOWL DATA

BOWL NO. 412-3-2025 . CONNECTION TYPE BOLTED . NOMINAL DIAMETER (E) 11.38 ", 289.1 mm.
 MINIMUM DIAMETER (E) 11.31 ", 287.3 mm.
 COLUMN PIPE SIZE 8 ", 203.2 mm, STANDARD, 10 ", 254.0 mm, MAXIMUM
 SUCTION PIPE SIZE 8 ", 203.2 mm, STANDARD, 10 ", 254.0 mm, MAXIMUM.
 PUMP SHAFT DIAMETER 1.94 ", 49.3 mm, STANDARD 2.19 ", 55.6 mm MAXIMUM.
 LATERAL .51 ", 13.0 mm, STANDARD, .51 ", 13.0 mm MAXIMUM.
 SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
 MAXIMUM NUMBER OF STAGES 18 (std. construction).
 MAXIMUM HEAD 636 ft., 193.8 m (std. construction). MAXIMUM SPHERE SIZE 1.62 ", 41.2 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.

WEIGHT: SINGLE STAGE 290 lbs., 131.5 Kgs. ADDITIONAL STAGE 95 lbs., 43.1 Kgs.



STANDARD DIMENSIONS

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	T	W	X	
IN.	27 ³ / ₄	26 ³ / ₄	10 ¹ / ₂	11 ³ / ₈	4 ³ / ₁₆	5 ¹¹ / ₁₆	4 ³ / ₁₆	6 ¹¹ / ₁₆	8	12	29 ¹ / ₂	8	1 ¹⁵ / ₁₆	12	13	4 ³ / ₈	12	12	8
MM.	704.9	679.5	266.7	289.1	106.4	144.5	106.4	169.9	203.2	304.8	749.3	203.2	49.3	304.8	304.8	111.3	304.8	304.8	203.2