



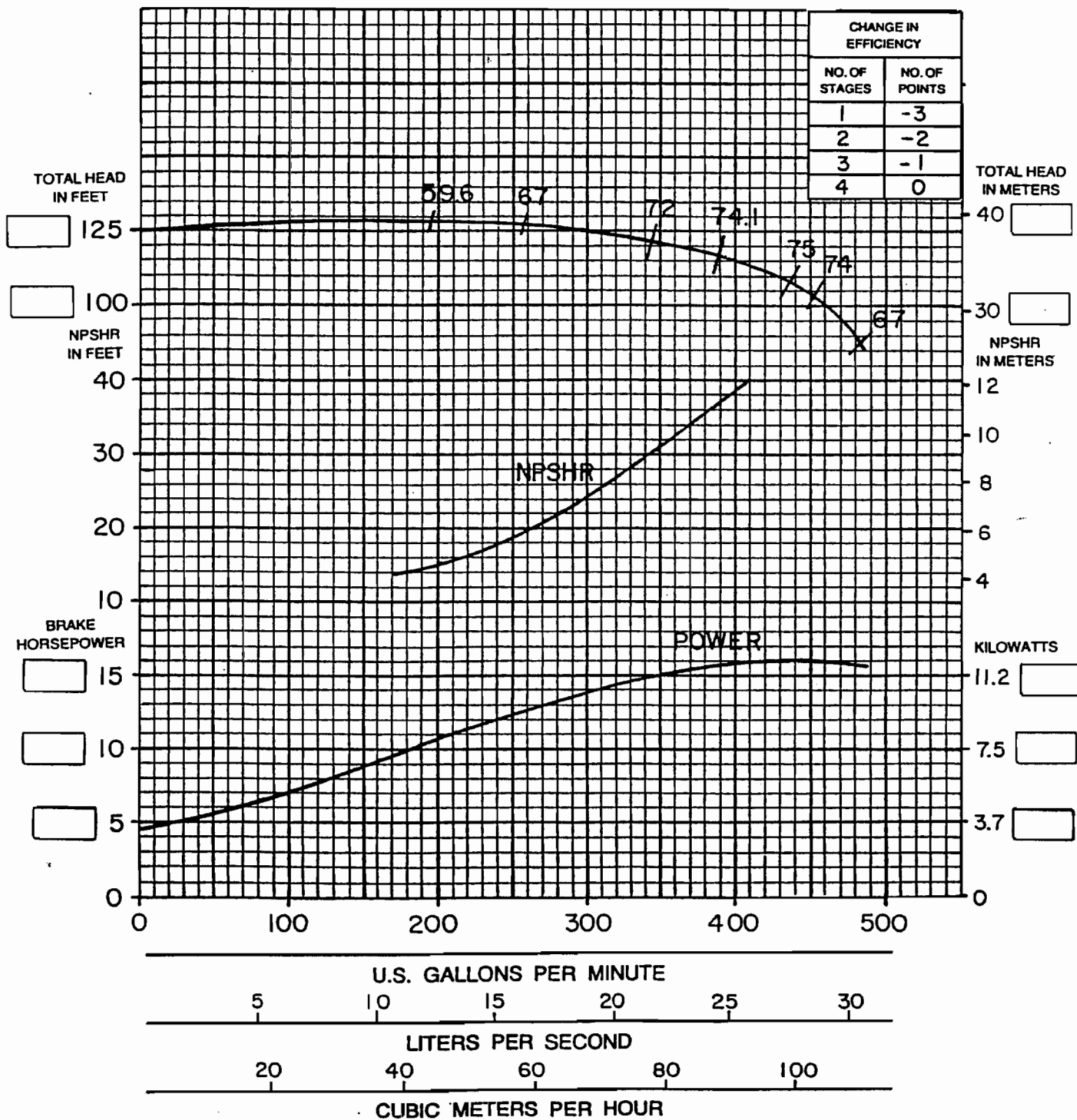
3500 RPM
SINGLE STAGE PERFORMANCE

MODEL 8ACL

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.: _____

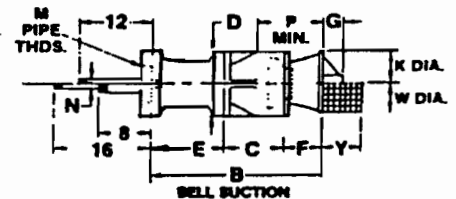
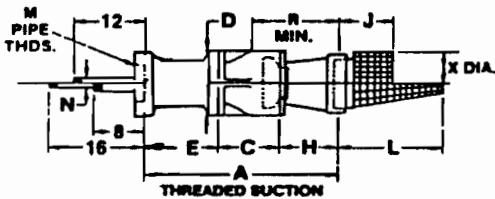
IMPELLER DATA

8ACL
3500

IMPELLER NO. 408-3-3029 . TYPE ENCLOSED . DIAMETER: A 6.19 ", 157.2 mm,
B 5.88 ", 149.4 mm,
EFFECTIVE EYE AREA 8.41 sq. inches, 5425.8 sq. mm. NUMBER OF VANES 8 .
THRUST CONSTANT K 3.68 lbs. / ft. 5.0 N / m of head. WEIGHT 8 lbs., 3.6 Kg.
WR² .798 lbs. / ft²., 3.90 Kg / m².
EYE FLUID VELOCITY CK .038 ft. / sec. / GPM, .011 m / sec. / LPS.
PERIPHERAL VELOCITY 15.27 ft. / sec. / inch, 4.65 m / sec. / mm of impeller dia. Ns 912.5

BOWL DATA

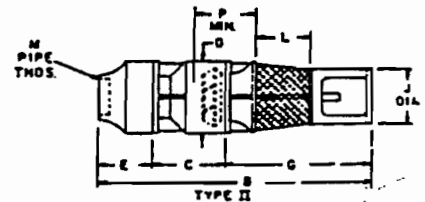
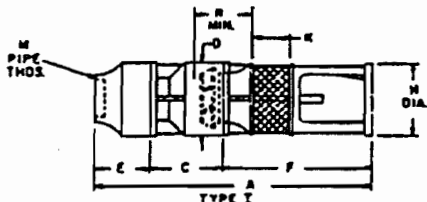
BOWL NO. 408-3-2022 . CONNECTION TYPE BOLTED . NOMINAL DIAMETER (E) 7.50 ", 190.5 mm.
MINIMUM DIAMETER (E) 7.50 ", 190.5 mm.
COLUMN PIPE SIZE 6 ", 150 mm, STANDARD, 6 ", 150 mm, MAXIMUM
SUCTION PIPE SIZE 6 ", 150 mm, STANDARD, 6 ", 150 mm, MAXIMUM.
PUMP SHAFT DIAMETER 1.19 ", 30.2 mm, STANDARD 1.44 ", 36.6 mm MAXIMUM.
LATERAL .375 ", 9.5 mm, STANDARD, .437 ", 11.1 mm MAXIMUM.
SHAFT BEARING CLEARANCE .010 ", 2.54 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
MAXIMUM NUMBER OF STAGES 4 (std. construction).
MAXIMUM HEAD 525 ft., 160.0 m (std. construction). MAXIMUM SPHERE SIZE .312 ", 7.9 mm.
PROJECTIONS ABOVE COLUMN PIPE BUTT: **TUBE** 8",203.2mm; **SHAFT** 16",406.4mm. FOR ENCLOSED
LINESHAFT. 12",304.8mm. FOR OPEN LINESHAFT.



STANDARD DIMENSIONS

* REFER TO FACTORY.

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	T	W	X	Y
IN.	23 ¹ / ₄	20 ¹ / ₈	6	7 ¹ / ₂	8 ³ / ₄	3 ⁷ / ₈	3 ¹ / ₄	7 ¹ / ₂	9	7 ³ / ₄	16 ¹ / ₄	6	1 ³ / ₁₆	11 ⁵ / ₈	12 ³ / ₄	—	8 ¹ / ₄	10	5
MM.	590.6	511.1	152.4	190.5	222.3	98.6	82.6	190.5	228.6	196.9	412.8	152.4	30.2	295.3	323.9	—	209.6	254.0	127.0



STANDARD DIMENSIONS

	A	B	C	D	E	F	G	H	J	K	L	M	P	R
IN.	28 ¹ / ₂	25	6	7 ¹ / ₂	8 ¹ / ₂	14	10 ¹ / ₂	7 ⁹ / ₁₆	5 ³ / ₈	12	6 ¹ / ₄	6	11 ⁵ / ₈	12 ³ / ₄
MM.	723.9	635.0	152.4	190.5	215.9	355.6	266.7	192.0	136.7	304.8	158.8	152.4	295.2	323.9

WEIGHT: SINGLE STAGE 100 lbs., 45.4 Kgs. ADDITIONAL STAGE 35 lbs., 15.9 Kgs.