



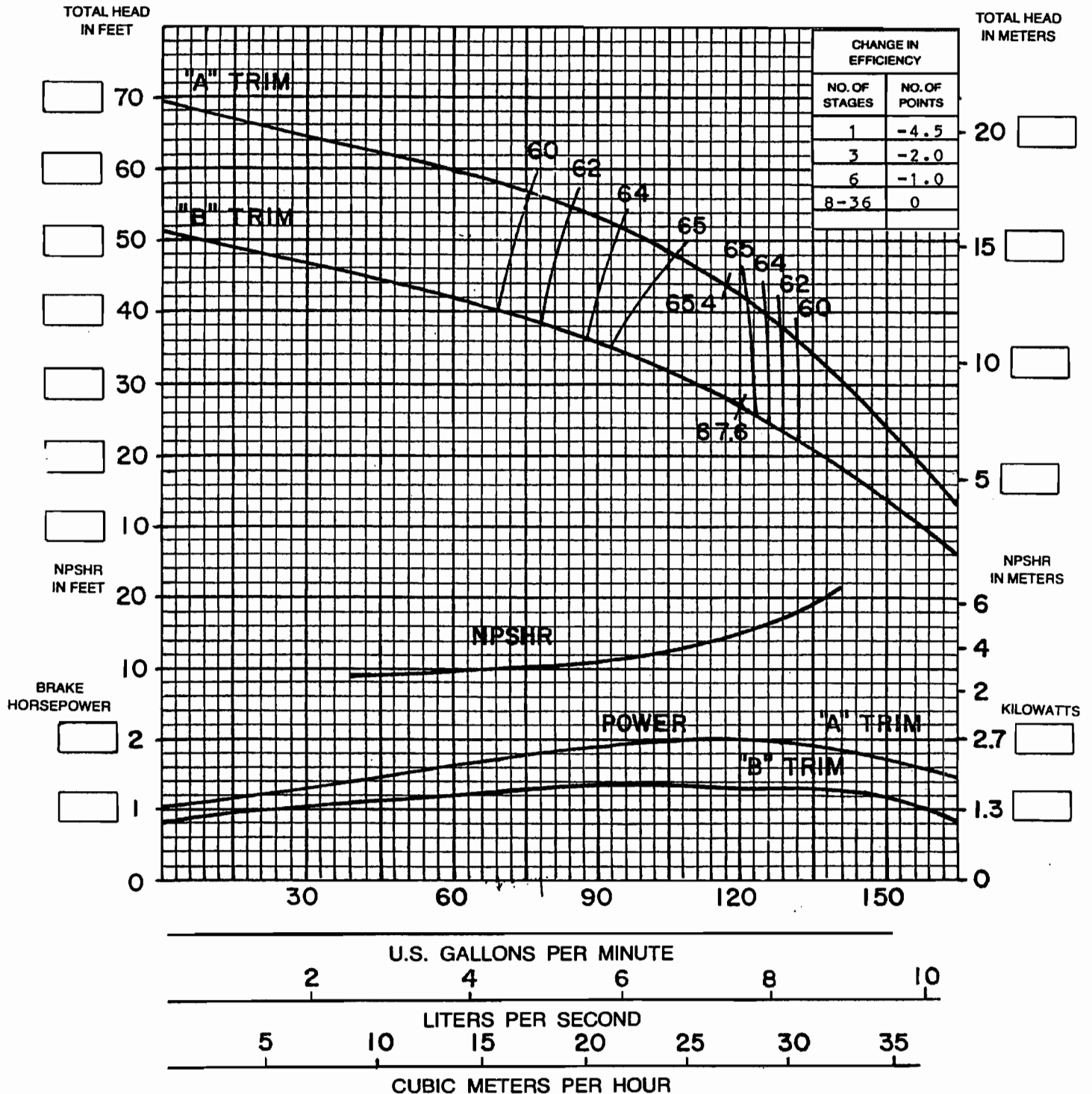
**3500 RPM
SINGLE STAGE PERFORMANCE**

MODEL 6DCL

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 DCL
3500

IMPELLER NO. 406-3-3006 . TYPE ENCLOSED . DIAMETER: A 4.56 ", 115.9 mm

3 3.94 ", 100.0 mm,

EFFECTIVE EYE AREA 3.55 sq. inches, 2290.5 sq. mm. NUMBER OF VANES 5 .

THRUST CONSTANT K 1.9 lbs. / ft. 27.7 N / m of head. WEIGHT 2.18 lbs., .099 Kg.

WR² .036 lbs. / ft²., .176 Kg / m².

EYE FLUID VELOCITY CK .090 ft. / sec. / GPM, .436 m / sec. / LPS.

PERIPHERAL VELOCITY 15.72 ft. / sec. / inch, .189 m / sec. / mm of impeller dia. Ns 1955

BOWL DATA

BOWL NO. 406-3-2002 . CONNECTION TYPE THREADED . NOMINAL DIAMETER (E) 5½ ", 139.7 mm.

MINIMUM DIAMETER (E) 57/16 ", 138.1 mm.

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

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

PUMP SHAFT DIAMETER 1.0 ", 25.4 mm, STANDARD 13/16 ", 30.2 mm MAXIMUM.

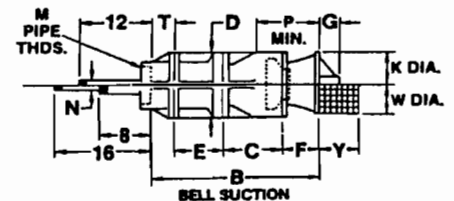
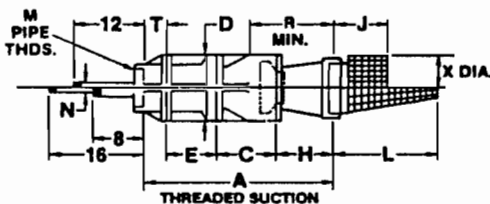
LATERAL 7/16 ", 11.1 STANDARD, _____, mm _____ mm MAXIMUM.

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

MAXIMUM NUMBER OF STAGES 20 (std. construction).

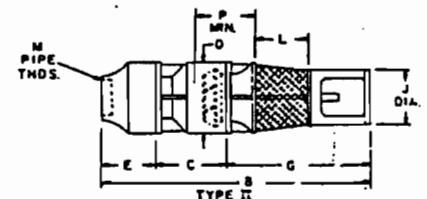
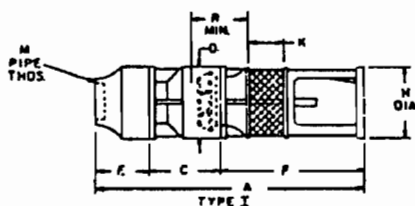
NAXIMUM HEAD 1155 ft., 352 m (std. construction). MAXIMUM SPHERE SIZE 3/16 ", 4.8 mm.

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.	16½	14¼	4½	5½	6¾	3	3¼	5¼	7	5¾	12¾	4	1	8	10½	3½	8¼	8	5¼
MM.	419.1	361.9	114.3	139.7	171.5	76.2	82.6	133.4	177.8	146.1	323.9	101.6	25.4	203.2	266.7	88.9	158.8	203.2	133.4



STANDARD DIMENSIONS

	A*	B	C	D	E	F	G	H**	J	K	L	M	P	R
IN.	17 13/16	19	4½	5 15/16	3½	9.88	11	5.38	3¾	3	3	3	9	9
MM.	452.4	482.6	114.3	150.81	88.9	250.9	279.4	136.7	95.3	76.2	76.2	76.2	228.6	228.6

*8" MOTOR ADD 2.5 IN., 63.5 mm LENGTH, **O.D. 7.50 IN., 190.5 mm

WEIGHT: SINGLE STAGE 56¼ lbs., 25.5 Kgs. ADDITIONAL STAGE 15¾ lbs., 7.14 Kgs.