

MODEL: 400Y8

SIZE: 8"

RPM: 3450

HP: 125

CURVE NO: ST 1042



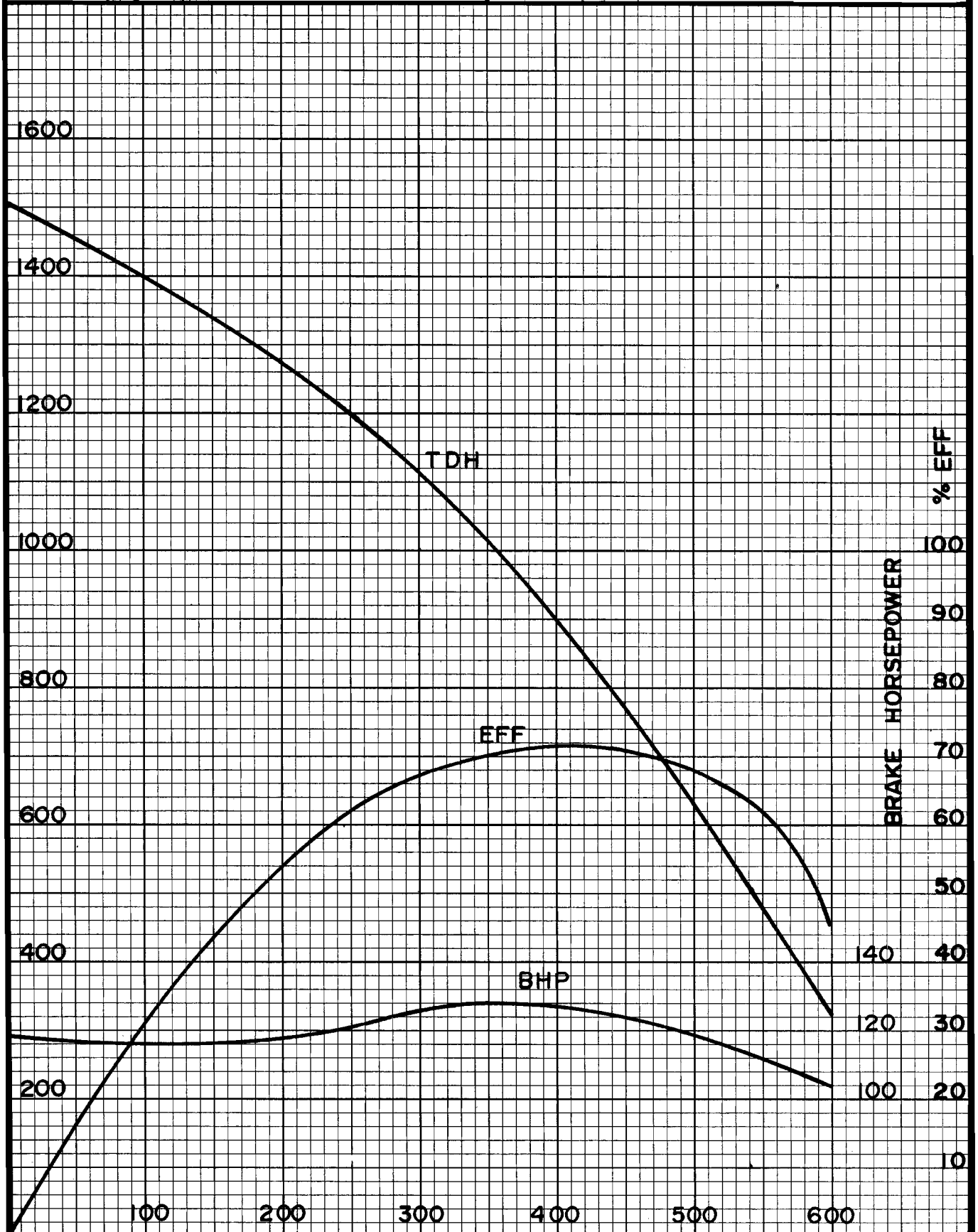
STAR-RITE INDUSTRIES, INC.

Water Equipment Division

293 SOUTH WRIGHT STREET / DELAVAN, WISCONSIN 53115 / U.S.A.

DATE: SEPT. 9, 1980

TOTAL HEAD FEET



CAPACITY U.S. G.P.M.

DEEP WELL SUBMERSIBLE TURBINE

CURVE No. ST1042

IMPELLER DATA

IMPELLER No. P5-36D

TYPE Enclosed - Brass

DIAMETER 5.562 x 27°

EFFECTIVE EYE AREA 7.72 Sq. Inches

NUMBER OF VANES 4

THRUST CONSTANT K 3.5 Lbs./Ft. of Head

WR² Lbs. Ft.²

WEIGHT 4.5 Lbs.

EYE FLUID VELOCITY 0.042 Ft./Sec./G.P.M.

PERIPHERAL VELOCITY 15.05 Ft./Sec./Inch of Impeller Dia.

BOWL ASSEMBLY DATA

BOWL No. P101-90A (C.I.)

CONNECTION TYPE Screwed - L.H.

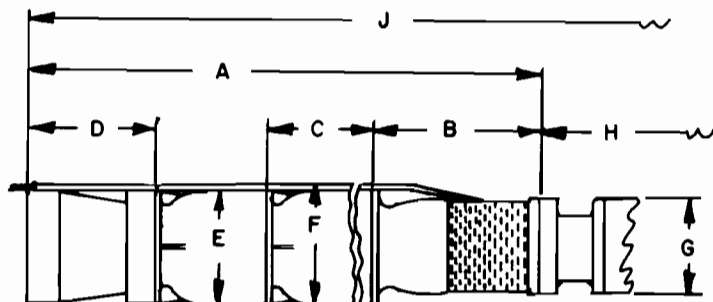
DISCHARGE TAPPING 6" NPT

PUMP SHAFT DIA. 1-1/4"

NUMBER OF STAGES 11

PERFORMANCE DATA

PERFORMANCE CURVE BASED ON 10 " MOTOR
WITH SPEED OF 3490 RPM AT B.E.P. USE OF
DIFFERENT SIZE MOTOR, OR DIFFERENT SPEED
CHARACTERISTIC WILL CHANGE PERFORMANCE.



DIMENSIONS

A-OVERALL LIQUID END LENGTH
B-SUCTION CONNECTION LENGTH
C-STAGE LENGTH
D-DISCHARGE CONNECTION LENGTH
E-BOWL DIAMETER
F-DIAMETER ACROSS LEAD GUARD
G-MOTOR DIAMETER
H-MOTOR LENGTH
J-OVERALL PUMP LENGTH-INCLUDING MOTOR

DIMENSION	A	B	C	D	E	F	G	H	J
INCHES	92-5/8	17-1/8	6-1/8	8-1/8	7-5/8	8-7/16	8-55/64	58-15/16	151-9/16

UNIT WEIGHTS - POUNDS

MOTOR SIZE	10"	
PUMP INCLUDING MOTOR	1135	
LIQUID END ONLY	425	