

MODEL: 400Z8

SIZE: 8"

RPM: 3450

HP: 150

CURVE NO: ST1043



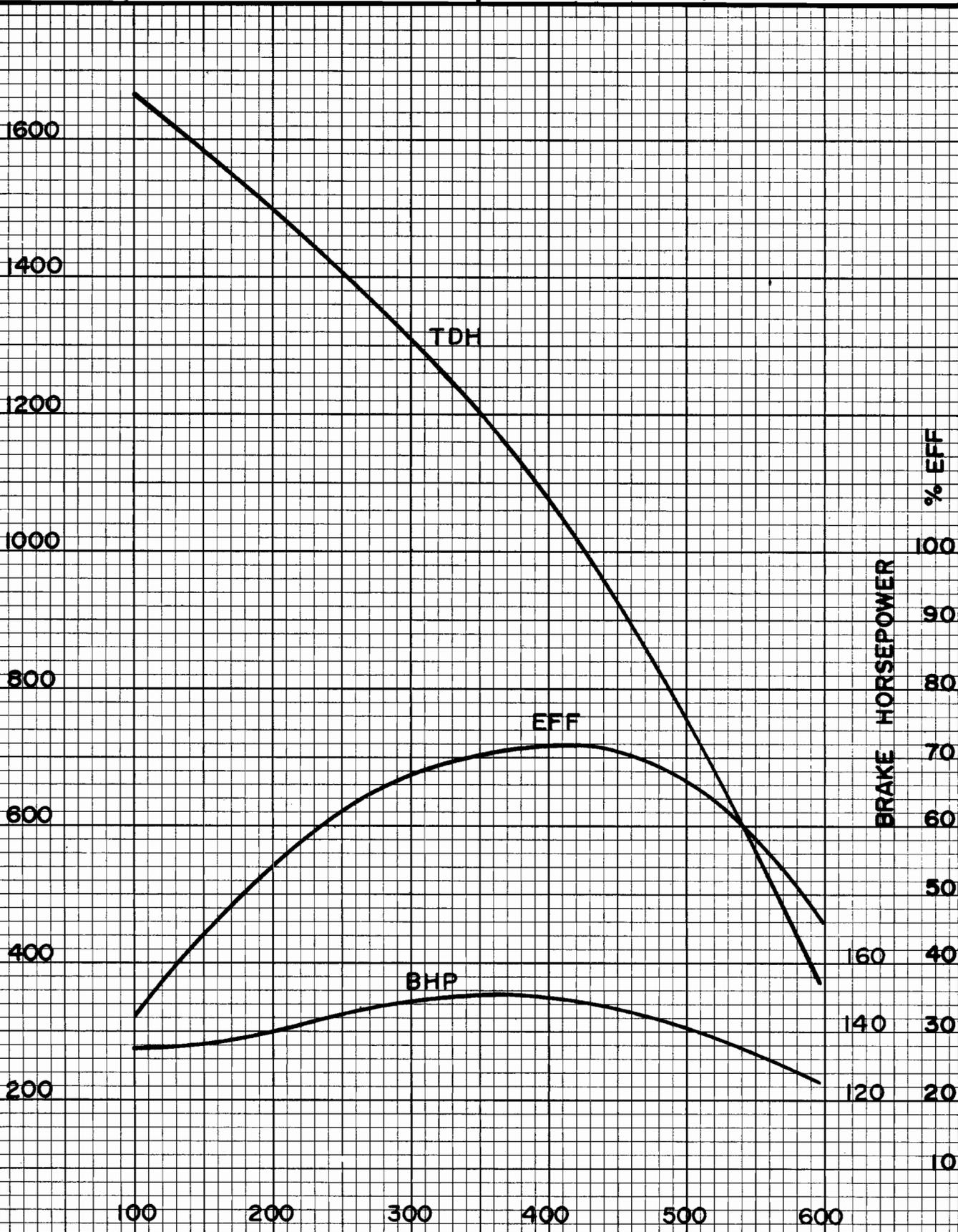
STAR-RITE INDUSTRIES, INC.

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. ST1043

## 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  
 WR<sup>2</sup> \_\_\_\_\_ Lbs. Ft.<sup>2</sup>  
 WEIGHT 4.5 Lbs.  
 EYE FLUID VELOCITY 0.042 Ft./Sec./G.P.M.  
 PERIPHERAL VELOCITY 15.05 Ft./Sec./Inch of Impeller Dia.

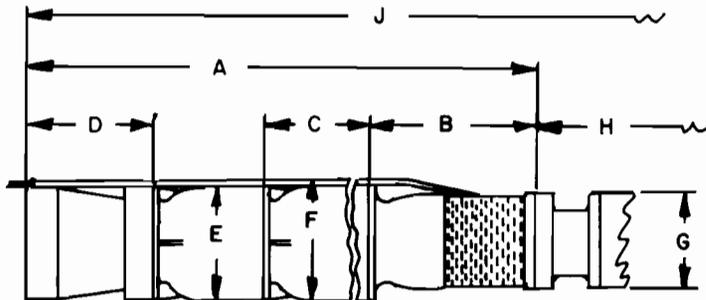
## BOWL ASSEMBLY DATA

BOWL No. P101-90A (C.I.)  
 CONNECTION TYPE Screwed - L.H.  
 DISCHARGE TAPPING 6" NPT  
 PUMP SHAFT DIA. 1-1/4"  
 NUMBER OF STAGES 13

## PERFORMANCE DATA

PERFORMANCE CURVE BASED ON 10 " MOTOR  
 WITH SPEED OF 3490 RPM AT BEP. 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	104-7/8	17-1/8	6-1/8	8-1/8	7-5/8	8-7/16	8-55/64	69-11/16	174-9/16

### UNIT WEIGHTS - POUNDS

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