

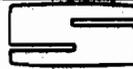
MODEL: 800S10

SIZE: 10"

RPM: 3450

HP: 40

CURVE NO: ST 1099



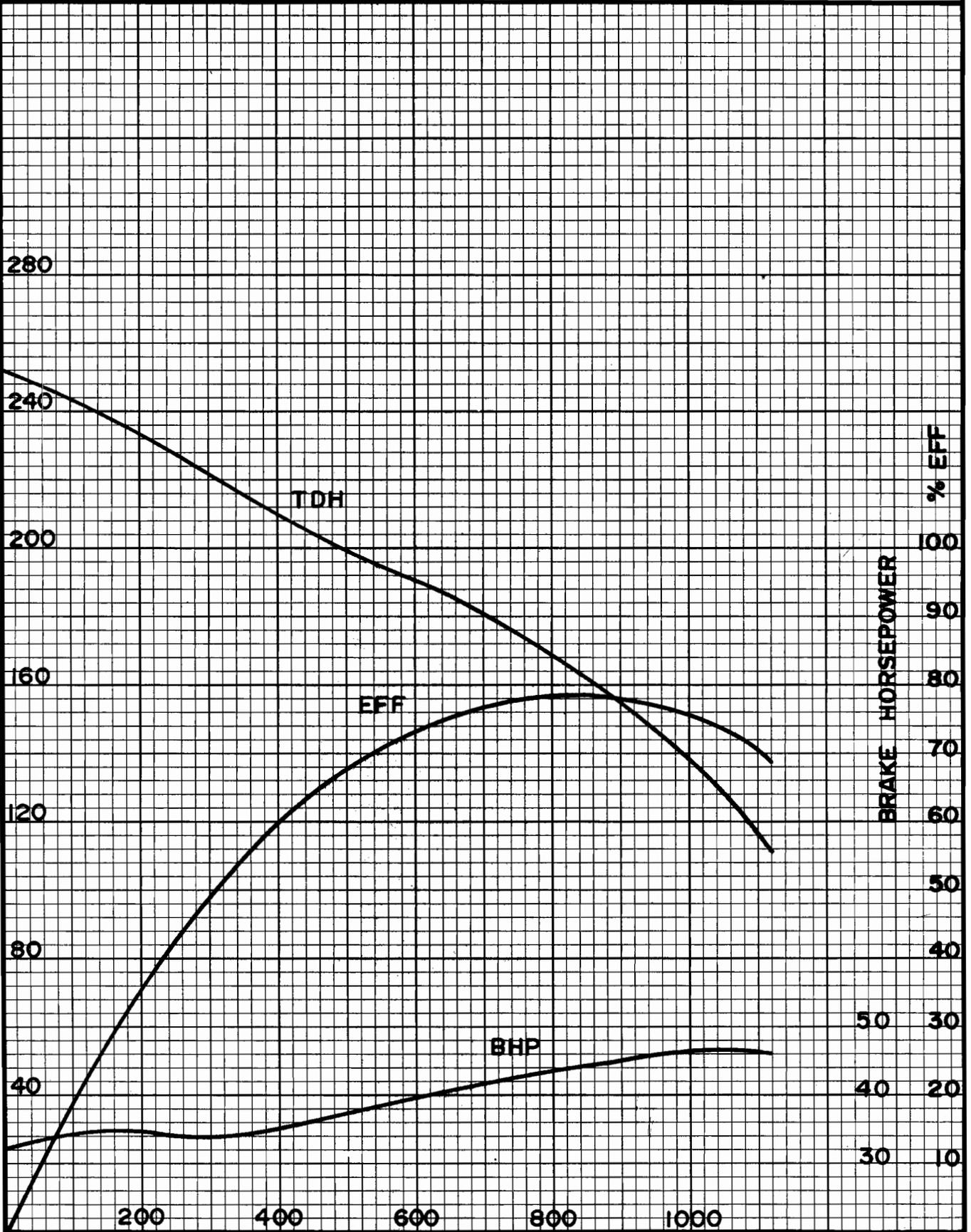
STAIRITE INDUSTRIES, INC.

Water Equipment Division

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

DATE: JULY 17, 1979

TOTAL HEAD FEET



CAPACITY U.S. G.P.M.

# DEEP WELL SUBMERSIBLE TURBINE

CURVE No. ST1099

## IMPELLER DATA

IMPELLER No. P5-40D  
 TYPE Enclosed - Brass  
 DIAMETER 7.030 x 26°  
 EFFECTIVE EYE AREA 11.18 Sq. Inches  
 NUMBER OF VANES 5  
 THRUST CONSTANT K 5.36 Lbs./Ft. of Head  
 WR<sup>2</sup> \_\_\_\_\_ Lbs. Ft.<sup>2</sup>  
 WEIGHT 9.5 Lbs.  
 EYE FLUID VELOCITY .029 Ft./Sec./G.P.M.  
 PERIPHERAL VELOCITY 15.05 Ft./Sec./Inch of Impeller Dia.

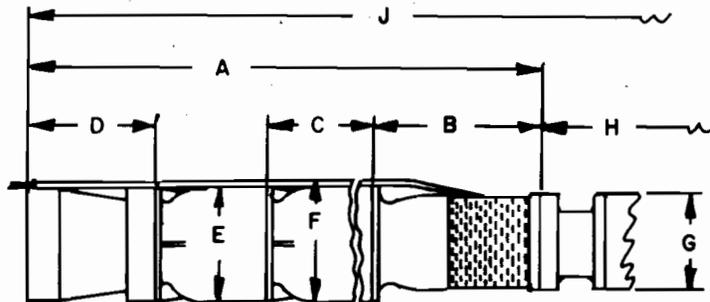
## BOWL ASSEMBLY DATA

BOWL No. P101-62E (C.I. Enameled)  
 CONNECTION TYPE Bolted  
 DISCHARGE TAPPING 8" NPT  
 PUMP SHAFT DIA. 1-1/2"  
 NUMBER OF STAGES 1

## PERFORMANCE DATA

PERFORMANCE CURVE BASED ON 8 " MOTOR  
 WITH SPEED OF 3495 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	32-3/4	15-7/8	8-1/4	8-19/32	9-5/8	10-3/16	7-33/64	45-5/16	78-1/16

### UNIT WEIGHTS - POUNDS

MOTOR SIZE	8"	
PUMP INCLUDING MOTOR	542	
LIQUID END ONLY	178	