

MODEL: 550Z10

SIZE: 10"

RPM: 3450

HP: 150

CURVE NO: ST 1096



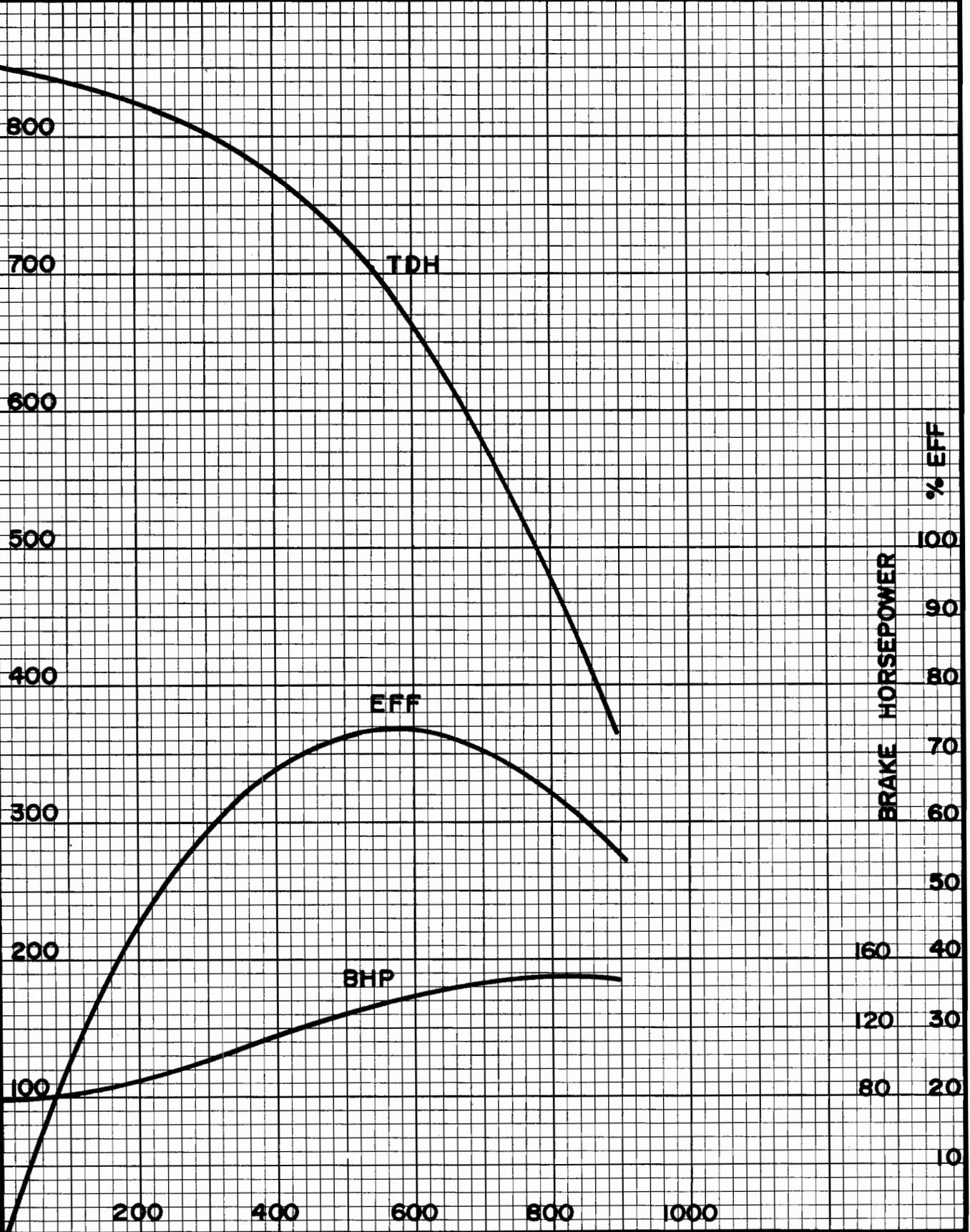
STAR-RITE INDUSTRIES, INC.

Water Equipment Division

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

DATE: OCT. 20, 1980

TOTAL HEAD FEET



CAPACITY U.S. G.P.M.

# DEEP WELL SUBMERSIBLE TURBINE

CURVE No. ST1096

## IMPELLER DATA

**IMPELLER No.** P5-39DH  
**TYPE** Enclosed - Brass  
**DIAMETER** 6.700 x 26°  
**EFFECTIVE EYE AREA** 7.85 Sq. Inches  
**NUMBER OF VANES** 8  
**THRUST CONSTANT K** 4.10 Lbs./Ft. of Head  
**WR<sup>2</sup>** \_\_\_\_\_ Lbs. Ft.<sup>2</sup>  
**WEIGHT** 8.2 Lbs.  
**EYE FLUID VELOCITY** .041 Ft./Sec./G.P.M.  
**PERIPHERAL VELOCITY** 15.05 Ft./Sec./Inch of Impeller Dia.

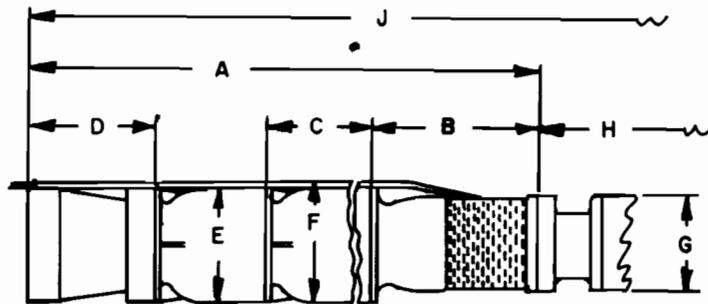
## BOWL ASSEMBLY DATA

**BOWL No.** P101-59E (C.I. Enameled)  
**CONNECTION TYPE** Bolted  
**DISCHARGE TAPPING** 6" NPT  
**PUMP SHAFT DIA.** 1-1/2"  
**NUMBER OF STAGES** 4

## PERFORMANCE DATA

PERFORMANCE CURVE BASED ON 10 " MOTOR  
 WITH SPEED OF 3500 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	56-13/16	19-3/16	7-1/4	8-19/32	9-5/8	10-7/16	8-55/64	69-3/4	126-9/16

### UNIT WEIGHTS - POUNDS

MOTOR SIZE	10"	
PUMP INCLUDING MOTOR	1177.5	
LIQUID END ONLY	407.5	