

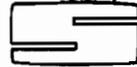
MODEL: 550AC10

SIZE: 10"

RPM: 3450

HP: 250

CURVE NO: ST1141



STAR-RITE INDUSTRIES, INC.

Water Equipment Division

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

DATE: FEB. 27, 1981

TOTAL HEAD FEET

1600

1400

1200

1000

800

600

400

200

TDH

EFF

BPH

% EFF

BRAKE HORSEPOWER

100  
90  
80  
70  
60  
50  
40  
30  
20  
10

200

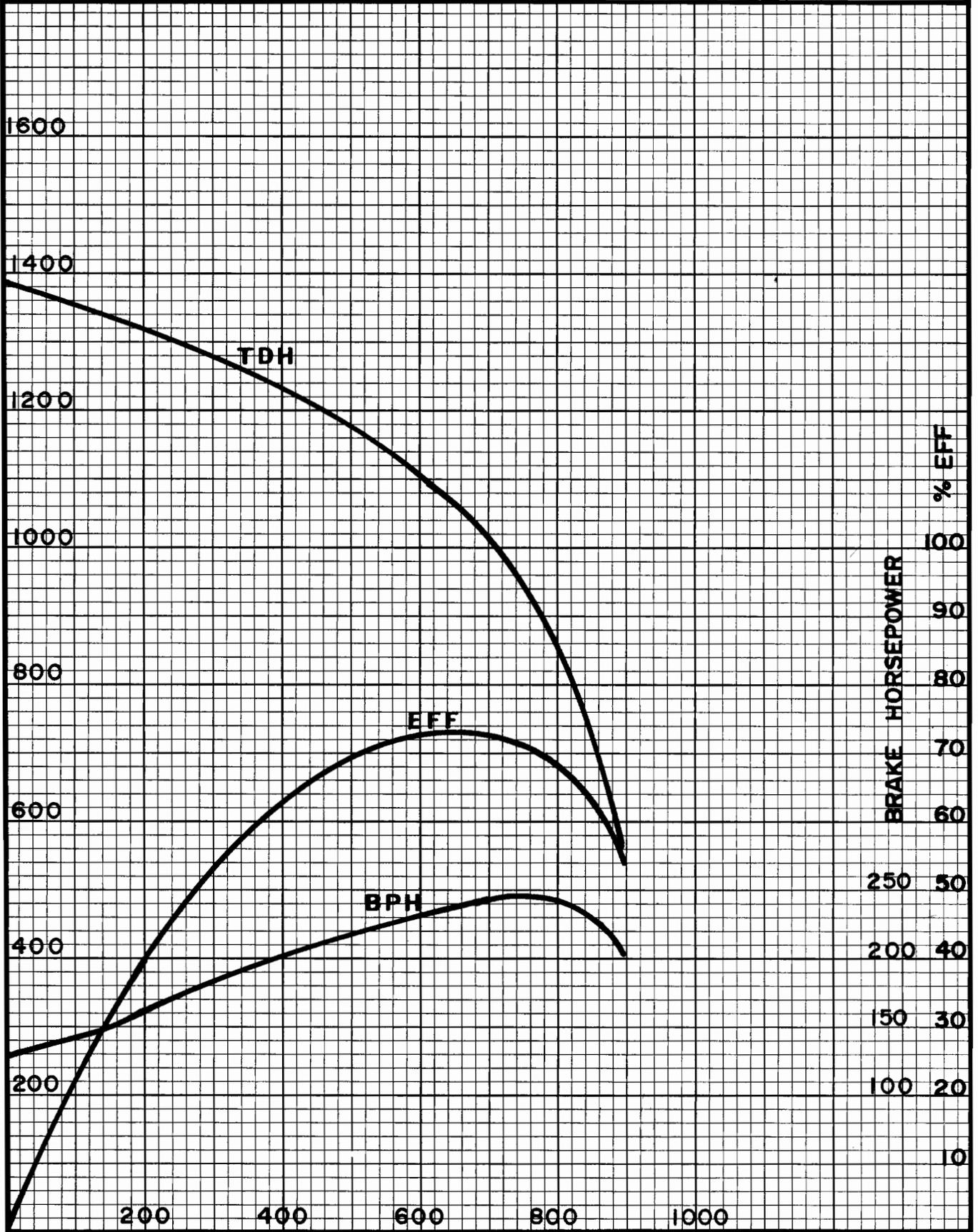
400

600

800

1000

CAPACITY U.S. G.P.M.



# DEEP WELL SUBMERSIBLE TURBINE

CURVE No. ST1141

## IMPELLER DATA

IMPELLER No. P5-39DK  
 TYPE Enclosed - Brass  
 DIAMETER 6.950 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.

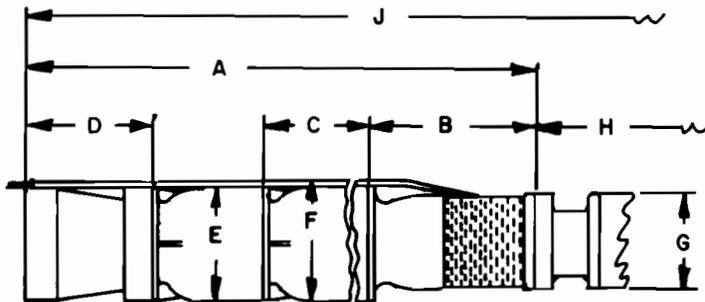
## BOWL ASSEMBLY DATA

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

## PERFORMANCE DATA

PERFORMANCE CURVE BASED ON 12 " MOTOR  
 WITH SPEED OF 3520 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	71-1/2	19-3/16	7-9/32	8-19/32	9-5/8	10-1/2	10-17/32	76	147-1/2

### UNIT WEIGHTS - POUNDS

MOTOR SIZE	12"	
PUMP INCLUDING MOTOR	1925.5	
LIQUID END ONLY	525.5	