

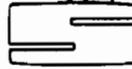
MODEL: 550S10

SIZE: 10"

RPM: 3450

HP: 40

CURVE NO: ST1090



STAIRITE INDUSTRIES, INC.

Water Equipment Division

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

DATE: SEPT. 5, 1979

TOTAL HEAD FEET

300

200

100

TDH

EFF

BHP

% EFF

100

90

80

70

60

50

40

30

20

10

BRAKE HORSEPOWER

200

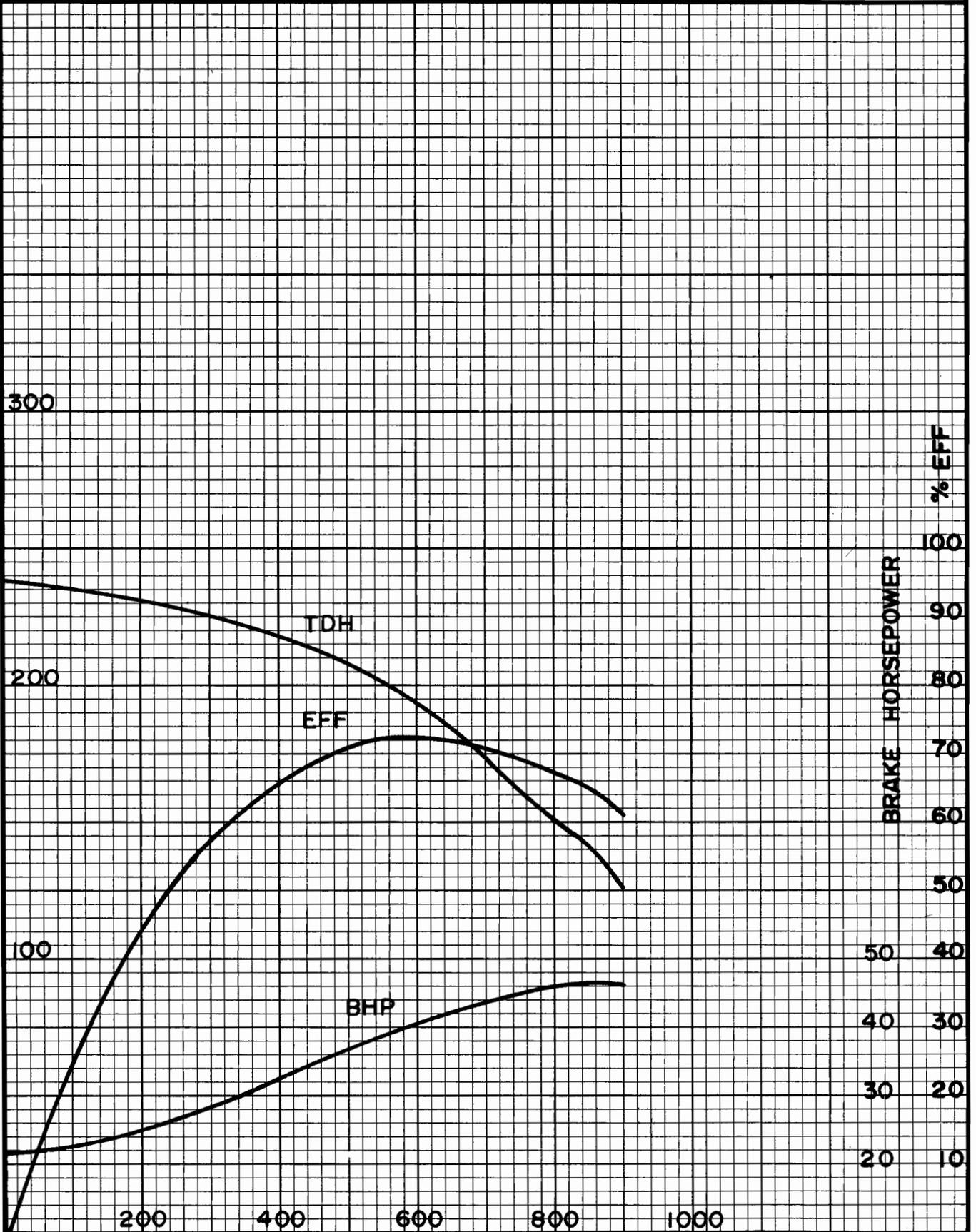
400

600

800

1000

CAPACITY U.S. G.P.M.



DEEP WELL SUBMERSIBLE TURBINE

CURVE No. ST1090

IMPELLER DATA

IMPELLER No. P5-39DA
TYPE Enclosed - Brass
DIAMETER 7.050 x 26°
EFFECTIVE EYE AREA 7.85 Sq. Inches
NUMBER OF VANES 8
THRUST CONSTANT K 4.10 Lbs./Ft. of Head
WR² Lbs. Ft.²
WEIGHT 8.2 Lbs.
EYE FLUID VELOCITY .041 Ft./Sec./G.P.M.
PERIPHERAL VELOCITY 15.05 Ft./Sec./Inch of Impeller Dia.

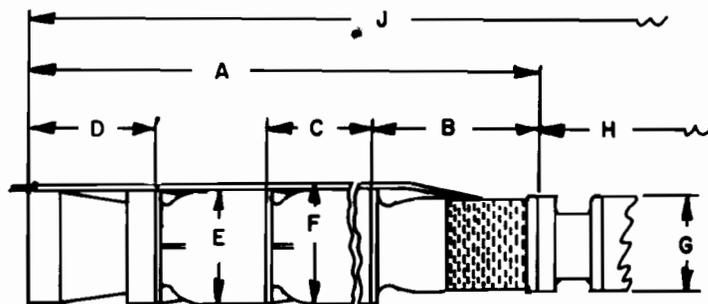
BOWL ASSEMBLY DATA

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

PERFORMANCE DATA

PERFORMANCE CURVE BASED ON 8 " MOTOR
 WITH SPEED OF 3510 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 | 31-3/4 | 15-7/8 | 7-1/4 | 8-19/32 | 9-5/8 | 10-3/16 | 7-33/64 | 45-5/16 | 77-1/16 |

UNIT WEIGHTS - POUNDS

| | | |
|----------------------|-----|--|
| MOTOR SIZE | 8" | |
| PUMP INCLUDING MOTOR | 538 | |
| LIQUID END ONLY | 174 | |