

MODEL: 800AC10

SIZE: 10"

RPM: 3450

HP: 250

CURVE NO: ST1143



STARITE INDUSTRIES, INC.

Water Equipment Division

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

DATE: DEC. 17, 1980

TOTAL HEAD FEET

1400

1200

1000

800

600

400

200

TDH

EFF

BHP

% EFF

BRAKE HORSEPOWER

100

90

80

70

60

50

40

30

20

10

200

400

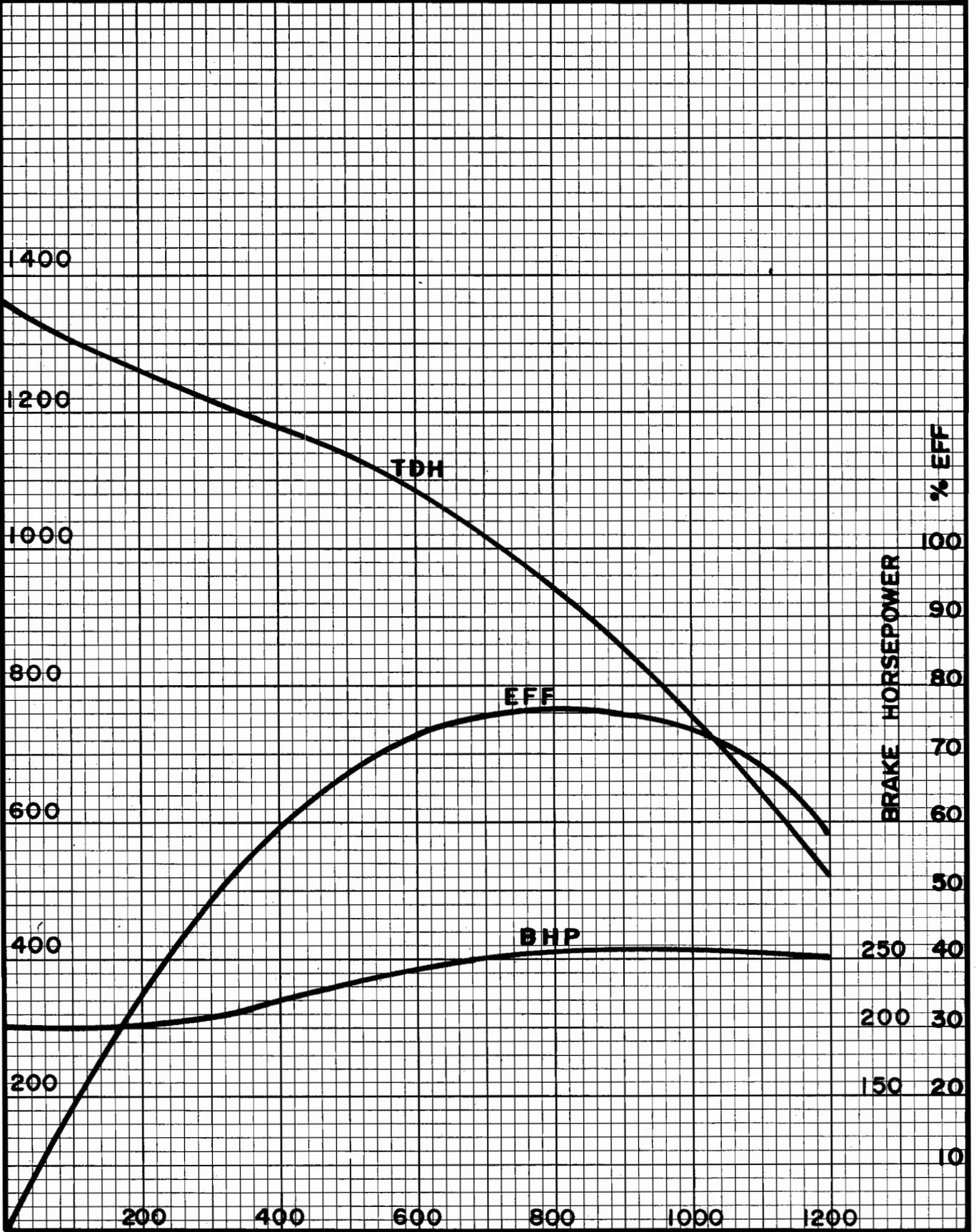
600

800

1000

1200

CAPACITY U.S. G.P.M.



DEEP WELL SUBMERSIBLE TURBINE

CURVE No. ST1143

IMPELLER DATA

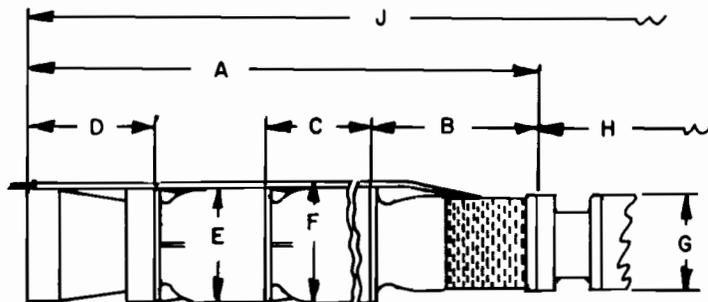
IMPELLER No. P5-40DG
 TYPE Enclosed - Brass
 DIAMETER 6.800 x 26°
 EFFECTIVE EYE AREA 11.18 Sq. Inches
 NUMBER OF VANES 5
 THRUST CONSTANT K 5.36 Lbs./Ft. of Head
 WR² _____ Lbs. Ft.²
 WEIGHT 9.5 Lbs.
 EYE FLUID VELOCITY 0.029 Ft./Sec./G.P.M.
 PERIPHERAL VELOCITY 15.05 Ft./Sec./Inch of Impeller Dia.

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 6

PERFORMANCE DATA

PERFORMANCE CURVE BASED ON 12 " MOTOR
 WITH SPEED OF 3530 RPM AT B.E.P. 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	77-1/2	19-3/16	8-9/32	8-19/32	9-5/8	10-1/2	10-17/32	76	153-1/2

UNIT WEIGHTS - POUNDS

MOTOR SIZE	12"	
PUMP INCLUDING MOTOR	1944	
LIQUID END ONLY	544	