

MODEL: 550X10

SIZE: 10"

RPM: 3450

HP: 100

CURVE NO: ST 1094



STARITE INDUSTRIES, INC.

Water Equipment Division

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

DATE: OCT. 21, 1980

TOTAL HEAD FEET

700

600

500

400

300

200

100

TDH

EFF

BHP

% EFF

BRAKE HORSEPOWER

100

90

80

70

60

120

100

80

60

40

20

10

200

400

600

800

1000

CAPACITY U.S. G.P.M.

DEEP WELL SUBMERSIBLE TURBINE

CURVE No. ST1094

IMPELLER DATA

IMPELLER No. P5-39DG
 TYPE Enclosed - Brass
 DIAMETER 6.600 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.

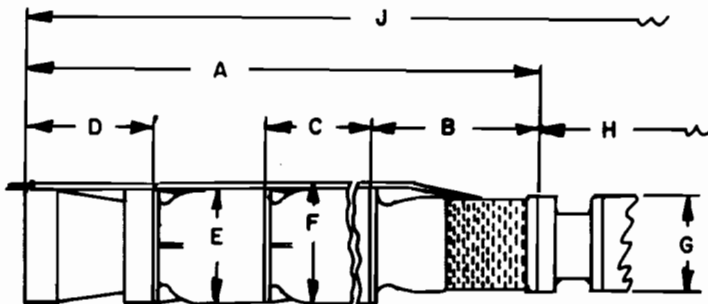
BOWL ASSEMBLY DATA

BOWL No. P101-59E (C.I. Enameled)
 CONNECTION TYPE Bolted
 DISCHARGE TAPPING 6" NPT
 PUMP SHAFT DIA. 1-1/2"
 NUMBER OF STAGES 3

PERFORMANCE DATA

PERFORMANCE CURVE BASED ON 8 " MOTOR
 WITH SPEED OF 3490 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	49-17/32	19-3/16	7-1/4	8-19/32	9-5/8	10-3/16	7-33/64	66-1/8	115-21/32

UNIT WEIGHTS - POUNDS

MOTOR SIZE	-8"	
PUMP INCLUDING MOTOR	948.5	
LIQUID END ONLY	348.5	