

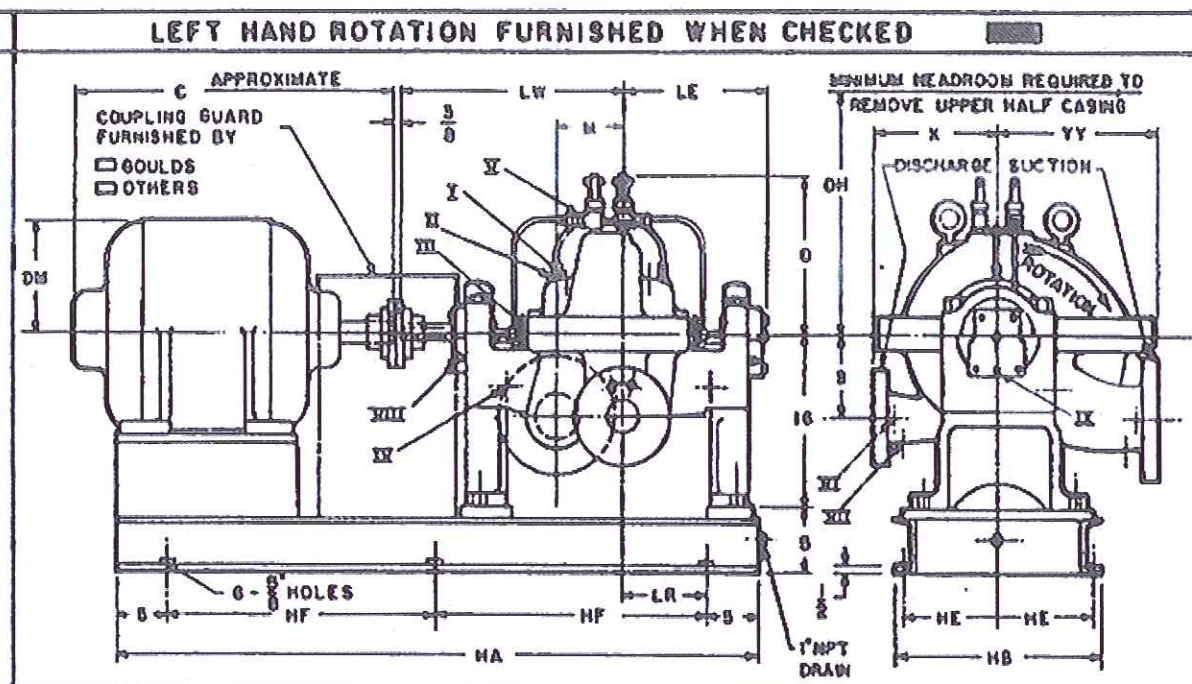
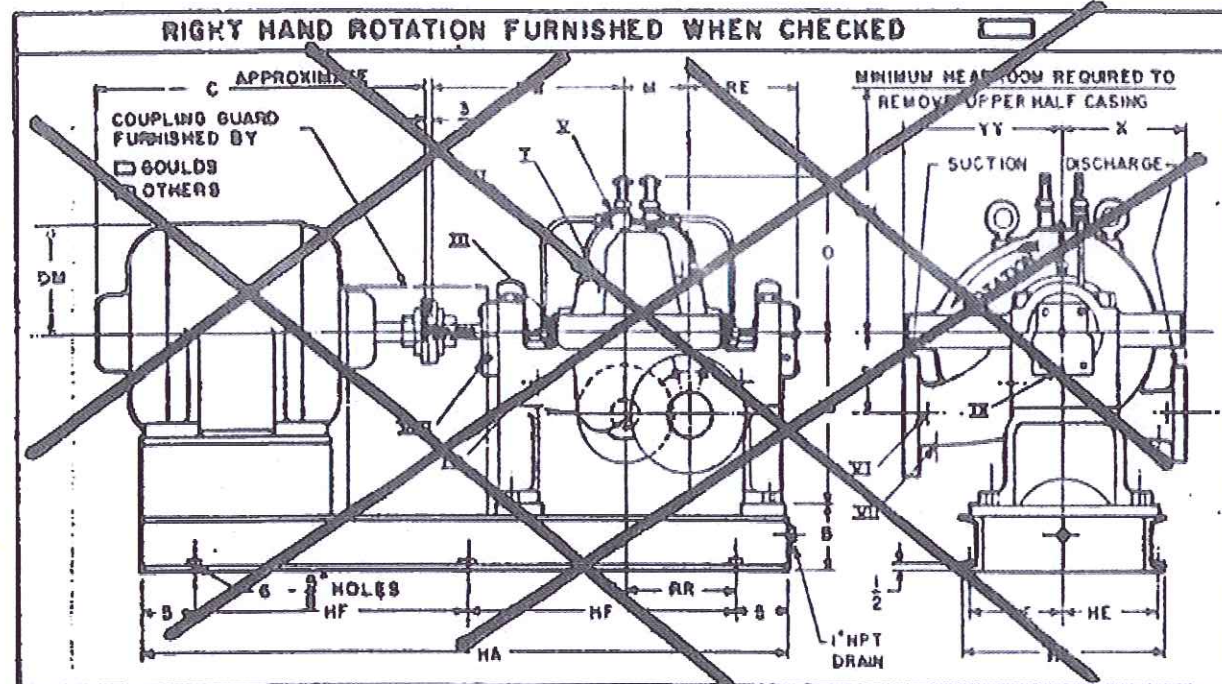


GOULDS PUMPS INC.
SENECA FALLS, NEW YORK, USA

MODEL 3316
"M" GROUP

FABRICATED STEEL BEDPLATE

P-802
A,B.&C



MOTOR FRAME SIZE	C	DM APPROX.	WT INCL. CPLG	BED PLATE NO.
182 T	14 1/2	5	65	1
184 T	15 1/2	5	75	
213 T	18	6	150	
215 T	19 1/2	6	160	
234 T	22 1/2	6 1/2	235	
236 T	24	6 1/2	270	
284 T	25 1/2	7 1/2	370	
284 TS	24 1/2	7 1/2	340	
286 T	27	7 1/2	405	
286 TS	26	7 1/2	395	
324 T	28 1/2	9 1/2	520	2
324 TS	27	9	500	
326 T	30	9	580	
326 TS	28 1/2	9	560	
364 T	33	9 1/2	755	
364 TS	31	9 1/2	740	
365 T	34	9 1/2	835	
365 TS	32	9 1/2	820	
404 T	37	11	1050	
404 TS	34	11	1030	
405 T	38 1/2	11	1160	3
405 TS	35 1/2	11	1150	
444 T	42 1/2	12 1/2	1440	
444 TS	38 1/2	12 1/2	1440	
445 T	44 1/2	12 1/2	1650	
445 TS	41	12 1/2	1615	
447 TS	46 1/2	12 1/2	2260	
447 T	46	12 1/2	2260	4

DIMENSIONS DETERMINED BY PUMP															
DISCH SIZE	SUCT SIZE	CAS'G CLASS	O	OH	X	YY	S	RR	LR	RW	LW	M	RE	LE	WT.
2	3/4	11	15/8	18	10	12 1/4	4 1/2	9	7	17	19	5	9 3/4	12 3/4	620
3	1	11	12 1/4	18 1/2	11	13	5 1/2	9	7	17	19	6	8 3/4	12 3/4	700
4	1 1/2	11	12 1/4	18 1/2	11 1/2	16	6 1/2	9 5/8	6 3/8	16 3/8	19 5/8	7 1/8	8 1/8	12 1/8	810

DIMENSIONS DETERMINED BY FABRICATED STEEL BEDPLATE WITH DRIPPAN UNDER PUMP						INSTALL FOUNDATION BOLTS IN PIPE SLEEVES. ALLOW 3/4" TO 1 1/2" FOR GROUTING SEE INSTRUCTION BOOK FOR DETAILS.
NO	HA	HE	HF	WT.		
1	54	17	8	22	260	
2	58	18	8 1/2	24	285	
3	66	22	10 1/2	28	350	
4	71	26	12 1/2	30 1/2	450	

ANSI FLANGE DRILLING 300LB FLAT FACE				
ID	OD	BC	NO. OF HOLES	SIZE OF HOLES
2	6 1/2	5	8	3/4
3	8 1/4	6 5/8	8	7/8
4	10	7 7/8	8	7/8
6	12 1/2	10 5/8	12	7/8

TAPPED OPENINGS				
NO.	SIZE	QTY	PURPOSE	FURNISHED YES NO
I	1/2	2	SUCTION CHAMBER VENT	X
II	1/4	2	STUFFING BOX SEAL RING CONNECTION	X
III	1/4	4	GLAND QUENCHING CONNECTION	
IV	3/4	2	STUFFING BOX OVERFLOW CONNECTION	X
V	1/4	2	CASING VENT	X
VI	1/4	2	GAUGE CONNECTION	X
VII	1/4	4	CASING DRAINS	X
VIII	1/4	4	BEARING COOLING	
IX	1/8	2	OIL DRAIN	

- NOTES:
1. DRAWING IS NOT TO SCALE.
 2. ALL DIMENSIONS ARE IN INCHES.
 3. WEIGHTS ARE APPROXIMATE.
 4. CASING DRAINS ARE LOCATED TO COMPLETELY DRAIN CASING NOZZLES AND VOLUTES.
 5. SIZE 4#6-11 HAS 3/8" PIPE TAP.
 6. SUCTION FLANGE ON 2#3-11 HAS (7) 7/8" HOLES AND (1) 3/4"-10 TAPPED HOLES.
 7. SUCTION FLANGE ON 3#4-11 HAS (6) 7/8" HOLES AND (2) 3/4"-10 TAPPED HOLES.

GOULDS SERIAL NO. _____
CUSTOMER CIG
CUSTOMER P.O. NO. 1198
ITEM _____
SERVICE BOILER FEED
W/O # 34032 P-11

ENG. FORM NO. 1371
DATE: 1-23-76 RNP, TAM.

DWG. NO. 113-74

REV
0

106282
106283
106284

INDUCTION MOTOR

Stearns-Roger

EQUIPMENT DATA SHEET

ITEM NUMBER

PAGE

☐ INQUIRY ☐ PROPOSAL ☐ STUDY ☒ PROJECT

P-802 B.1

3 of 3

CUSTOMER & LOCATION

Colorado Interstate Gas Co
Table Rock, Wyoming

PROJECT

Table Rock Processing Plant

S-R JOB INQUIRY NO.

C-17610

DATE:

8/24/77

ACCOUNT NO.

05D46802

BY:

JTB

REVISIONS
(Date & By)

A

B

C

D

E

F

G

H

SERVICE

BOILER FEEDWATER PUMP

MANUFACTURER

WESTINGHOUSE

NO. REQ'D.

1

SOURCE OF QUOTE

I.R. - Denver

MOTOR DESIGN DATA

MANUFACTURER'S DATA

NAMEPLATE HP 100

SYN SPEED 3600

RPM

FRAME NO. 444 TS

NEMA DESIGN B

460 VOLTS 3

PHASE 60 HZ

MOTOR TEMPERATURE RISE 40 °C

INSULATION CLASS F

SERVICE FACTOR (SF) 1.0

POWER FACTOR %

LOAD

1/2

3/4

FL

MULTISPEED:

RPM

EFFICIENCY

CURRENT

POWER FACTOR

☐ SINGLE WINDING

☐ TWO WINDING

☐ CONSTANT TORQUE

☐ VARIABLE TORQUE

☐ CONSTANT HORSEPOWER

FULL-LOAD TORQUE

FT-LB

LOCATION: ☐ SEVERE SERVICE

ALTITUDE

6800

FEET

LOCKED-ROTOR TORQUE

%

AVG. SITE TEMP. °C

BREACKDOWN TORQUE

%

CLASS 1 GROUP D

DIVISION

2

PULL-UP TORQUE

%

ENCLOSURE: ☐ OPEN-DRIPPROOF

☐ EXPLOSION PROOF

LOCKED-ROTOR CURRENT

%

☐ FORCED VENTILATED

☒ TEFC

LOCKED-ROTOR KVA CODE LETTER

☐ WEATHER PROTECTED (I) (II) ☐

LOCKED-ROTOR WITHSTAND TIME

SEC(HOT)

☐ TEMPERATURE NAMEPLATE MARKING REQ'D.

PERMISSIBLE NUMBER OF CONSECUTIVE STARTS:

STARTING CONDITIONS:

☐ LOADED

☐ UNLOADED

☐ FULL VOLTAGE

☐ REDUCED VOLTAGE

%

MOUNTING:

☒ HORIZONTAL

☐ VERTICAL

FAN ROTATION:

☐ UNIDIRECTIONAL

☐ REVERSIBLE

DRIVE SYSTEM:

☒ DIRECT COUPLED

☐ GEAR UNIT

EXCITER REQUIREMENTS:

☐ V BELTS

DC VOLTS

DC AMPERES

INSULATION:

☐ SEALED INSULATION SYSTEM

ROTOR WK²

LB-FT²

ROTATION FACING END OPP. DRIVE

BEARING NUMBER

BEARING:

OUTBOARD

TYPE

LUBRICATION

INBOARD

MAX. SOUND PRESSURE LEVEL (dBA)

AT 1 METER

TOTAL SHAFT END FLOAT

IN.

ACCESSORY EQUIPMENT

LIMIT END FLOAT TO

IN.

☐ BASE PLATE

☐ SOLE PLATE BY:

ADDITIONAL INFORMATION REQUIRED FROM

MANUFACTURER

COUPLING FURNISHED BY:

☐ SPACE HEATER

VOLTS

PHASE

☐ SPEED-TORQUE CURVE

☐ AIR FILTERS

☐ FORCED VENTILATION FLOW REQUIREMENTS

☐ RESISTANCE TEMPERATURE DETECTORS:

☐ INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

NUMBER

RESISTANCE

OHMS

☐ RECOMMENDED SPARE PARTS LIST

☐ SELECTOR SWITCH

☐ INDICATOR

☐ RELAY

☐ DIMENSIONAL OUTLINE DRAWINGS

☐ SURGE PROTECTION

☐ DESCRIPTIVE BULLETINS

☐ CT FOR DIFFERENTIAL PROTECTION

☐ COMPLETE NAMEPLATE DATA

☐ CT FOR AMMETER

☐ BEARING TEMPERATURE DEVICE: TYPE

TERMINAL BOX SIZED FOR:

☐ MAIN MOTOR LEADS

☐ SURGE PROTECTION

MOTOR NET WEIGHT

LBS.

☐ CT FOR DIFFERENTIAL PROTECTION

MAX. ERECTION WEIGHT

LBS.

☐ CT FOR AMMETER

☐ STRESS CONES

MAX. OVERALL FT.: L

xW

xH

REMARKS:

106282
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P-802 B.1