

SNAM

DIVISIONE PROGETTI

ENLAND - ITALIA

JOB No
27200

FILE No

926-MA-E-30001

Sheet
2
of
2

CENTRIFUGAL PUMP DATA SHEET

PURCHASE ORDER No

JOB No 27200

INQUIRY No

CUSTOMER CEYLON PETROLEUM CORPORATION

ITEM No. 926-P1

ADDRESS COLOMBO - CEYLON

PLANT LOCATION COLOMBO REFINERY

PUMP MFR TERMO MECANICA

SIZE AND TYPE 50A2P32

No. REQ'D 1

SERVICE DESALTER WATER

MOTOR DRIVE 1

TURBINE DRIVE -

OPERATING CONDITIONS

PERFORMANCE

Liquid WATER

USGPM at PT, MIN. 33.6

Dens 67.2

Proposed curve No. 4-2PH2735

Solids

Disch Press (PSIA) 259

NPSH req'd (Water) ft 3.9

PT OF 110

Suct Press (PSIA), Max 14

Max 15

No. of stages 2 RPM 2900

SP GR at PT 0.991

Diff Press (PSI) 24.5

Dens Eff 36.2% BHP 26.85

Vap. Press. at PT (PSIA) 1.3

Diff Head (ft) 570

Max BHP Dens Imp 5

Vis at PT (cSt) 0.6

NPSH Avail (ft) 25 MIN.

Max head Dens Imp ft 568

Corr/Eros caused by

(Indoor) (Outdoor X) (Roof)

Min continuous m³/h (by MFR) -

CONSTRUCTION AND MATERIALS

Rotation facing coupling end C.C.W

Casing-Mounting (Centerline X) (Foot) (Bracket) (Vertical)

Water cooling

Split (Axial) (Radial X)

Bearing

Type (Single valve X) (Double valve) (Diffuser)

Stuff box

Tapped openings (Vent X) (Drain X) (Gage conn)

Pedestal

NOZZLES

SIZE

ASA RATING

FACI G

POSITION

Gland

SUCTION

3"

300

RF

END

Total water req'd m³/h -

DISCHARGE

2"

300

RF

TOP

Packing cooling

Impeller Diam Dia

10 5/8"

Min/Max 12 5/8"

Type CLOSED

Flushing

Mfr's bearing No. Radial AND THROAT BALL RIV Throat IN MOTOR

Aux piping

Coupling end guard YES WITH SPACER Base plate COMMON

Axial force kg

Packing

Radial force kg

Mech seal YES

Class code

MFR

Moment/torque (on flange) kgm

Flow regulation type

Eye area sq.in.

Automatic relief valve

Lubrication type

OIL

Inlet peripheral velocity ft/sec

Casing thickness Min/Max (11 mm) ~ 27/64"

Corrosion allow

1/8"

Specific speed

MATERIAL CODE

Inlet/Outlet abs. vel. m/sec

I-Cast Iron

Internal code

I

B

S

C

X

Inlet/Outlet rel. vel. m/sec

B-Bronze

Casing

I

B

B

C

SHOP TESTS

REQ'D

WITNESSED

S-Steel

Impeller

I

B

S

C

Running pool

YES

YES

C-11-13% chrom

Inner case parts

I

I

S

C

NPSH

A-Alloy

Sleeve (Packed)

CH

CH

AI

AI

h-Hardened

Sleeve (Seal)

C

C

C

C

18/8

I-Fused

Wear parts

I

B

CH

CH

Hydrostatic 585 PSIG

YES

X-

Shaft

S

S

S

S

H+13% C

Max allow WP 294 PSIG

100 OF

Weights: Pump, casing Base lbs 600

Motor

Turbine

MOTOR DRIVER BY SNAM P.

TURBINE DRIVER BY

MFR FINAL DATA (AS BUILT)

Item No 926-MP1

Item No.

Mid by

Actual impeller diam

KW 22 RPM 3400

HP

RPM

Mod'l

MFR

MFR and type

Test curve No.

Type

Insul

Inlet steam (ATA)

Temp. °C

Outline DWG. No. 3PM0425

Ensl

Temp. rise C

Exhaust

Pump sect. DWG. No. 3PM0426

Volts/phase/cycles

Steam rate

kg/BHP.hr

Seal diam. DWG. No.

Bearings

Lube

Bearings

Lube

Full load Amp

Nozzles

Size

ASA Rating

Facing

Position

Pump serial No.

Inlet

Exhaust

SNAM Div. PROGETTI SpA, M800 R. M.612 GOVERNS UNLESS OTHERWISE STATED

REMARKS:

(1) SUPPLY SHALL INCLUDE THE FOUNDATION BOLTS

SP-66005