COMPRESSOR		MAIN MOTOR		PULSATION DAMPENER INLET		PULSATION DAMPENER 1ST STAGE		PULSATION DAMPENER 2ND STAGE		INTERCOOLER	
Tagnumber:	...	Tagnumber:	...	Tagnumber:		Tagnumber:		Tagnumber:		Tagnumber:	
Type:	2-stage oilfree piston	Rated power:	75 kW	Operating temp.:		Operating temp.:		Operating temp.:		Inlet / Outlet temp.:	
Modelnumber:	RBH-750	Absorbed power:	57,8 kW	Design temp.:		Design temp.:		Design temp.:		Design temp.:	
Capacity:	1200 kg/hr	Speed:	... rpm	Operating press.:		Operating press.:		Operating press.:		Operating press.:	
Exhaust pressure:	21 bar(g)	Power supply:	400 V / 50 Hz / 3 ph	Design press.:		Design press.:		Design press.:		Design press.:	
Design temperature:	...	Ingress protection:	IP 55	Hydrotest press.:		Hydrotest press.:		Hydrotest press.:		Design code:	Mfr. std.
Design pressure suction:	...	Hazardous area class:	Ex II 3G IIC T3, Ex'ec'	Design code:	Mfr. std.	Design code:	Mfr. std.	Design code:	Mfr. std.		
Speed:	... rpm										
Design code:	Mfr. standard										

GENERAL NOTES

1. All instrument and control tubing will be SS316L ¼"
2. PSV isolation valves are interlocked to ensure that one PSV is always online.
3. Hot piping is equipped with personal protection (PP) , noted with dashed lines around process.
4. All valves in process line are wafer type.

REFERENCE DOCUMENT

PRELIMINARY

Noted
Base on vendor comment at proposal doc, vendor shall be follow our legend and numbering procedure in tl P&ID

GAS INLET
3" ANSI 150# RF
1200 kg/hr
2,8 / 3,5 bar(g)
-10 / +60 °C
V-01

½" NPT
PDT 01
PDAH 01
SET @ 0,2bar
½" NPT

VENT ⅜" NPT
V-05

INSTRUMENT AIR INLET
¾ " ANSI 150# RF
Min. 5.5 bar(g)
Norm. 6.9 bar(g)
Max. 8 bar(g)

PSV-01 ... bar(g)
PSV-02 ... bar(g)
PSV-05 ... bar(g)
PSV-06 ... bar(g)

SG 03
SG 01
½"
¾"

1" 300# RF
V-14 NO
NOTE2
NC V-15
XY 01
S

1" 300# RF
V-18 NO
NOTE2
NC V-19

UNLOAD SET @ ... bar(g)
PAH 02
LOAD SET @ ... bar(g)
PAL 02
PT 02
½" NPT
V-02
GAS OUTLET
2 " ANSI 300# RF
21 bar(g)
76 / 97 °C

SET @ 1,5 bar(g)
PALL 01
PT 01
PG 01
¾"
TO BEARINGS

PULSATION DAMPER D-1

1" 300# RF
¾" NPT
SET @ 120°C
TAHH 04
TT 04
SET @ 105°C
TAH 03
TT 03
¾" NPT
PULSATION DAMPER D-3

CV-01

OIL FILTER F-3

V-08

OIL PUMP P-1
1ST STAGE
2ND STAGE
DIRECT DRIVE
M M-1
75 kW
400V / 50Hz / 3ph
POWER FROM CUSTOMER

DRAIN POINT
COMMON DRAIN OUTLET
2" ANSI 150# RF

FROM BEARINGS
OIL SIEVE
LG 01
OIL SUMP
DRAIN

PSV-03 ... bar(g)
PSV-04 ... bar(g)
1" 300# RF
V-16 NO
NOTE2
NC V-17
1" 300# RF

SG 02
1"
VENT ⅜" NPT
V-07
V-04

SET @ 50°C
TAHH 05
TT 05
¾" NPT
PG 04
½" NPT
3" X 1½"
V-03
COOLING WATER SUPPLY
1½" ANSI 150# RF
... m³/hr
6 bar(g)
42 °C

INTERCOOLER E-1
PG 02
½" NPT
MOISTURE SEPARATOR S-1
SG 06
½"

D-2 PULSATION DAMPER
¾" NPT
¾" NPT
TT 01
TT 02
TAH 01
TAHH 02
SET @ 160°C
SET @ 170°C

V-06
½" NPT
XY 02
S
TO COMMON DRAIN POINT

⅜" NPT VENT
V-12

¼" NPT
DRAIN

SET @ 55°C
TAHH 06
TT 06
¾" NPT
PG 05
½" NPT
FG 02
2" X 1½"
V-13
COOLING WATER RETURN
1½" ANSI 150# RF
... m³/hr
5 bar(g)
52 °C

¼" NPT
DRAIN

LEGENDS & ABBREVIATION

DE		EXT	IFC		A	
Eng. Phase		Purpose of Distribution (POD)	Purpose of Issue (POI)		Owner's Action	
REV.	ISSUE DATE	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY	AUTHORIZED BY

DE CONTRACTOR : PETRO PALAYESH ENGINEERING Co.
BE CONTRACTOR : EIGHTH STEEL COMPANY
OWNER : SERAJ GOSTARAN REJAL

PROJECT : ABT 360KT/Y PP PLANT

TITLE : 23249-03
PIPING & INSTRUMENT DIAGRAM (P&ID)

SCALE : N/A	DWG. NO. :	PPEC PROJECT NO. :	REV.	SIZE :
SHEET : 1 OF 1				A3