



Vendor 	ABT 360 KT/Y PP PLANT Project		Owner  سراج گستران رجال SERAJ GOSTARAN REJAL (سهامی خاص)
	Equipment data sheet		
	Vendor's Doc. No.: 23249-11	Rev.: 03	
PPEC Doc. No.: L03-RE037-ME-DSH-002			

PPEC REQ. NO. : L03-RE037-ME-DSH-002



ITEM NO. :

TOTAL PAGES : 06


NO COMMENT


<ul style="list-style-type: none"> ○ NO COMMENTS : Documents/Drawings Were Checked By PPEC And Further Step Can Be Followed. ○ COMMENTED AS MARKED: Documents/Drawings Were Checked By PPEC And Marked Comments Must Be Considered By Vendor. Vendor Shall Revise Documents/Drawing As Per Comments And The New Revision Of Documents/Drawings Must Be Revised Prior To Fabrication. ○ REJECTED: Documents/Drawings Were Checked And It Is Not In Comply With Purchase Requisition Requirements. ○ ACCEPTABLE WITH COMMENTS: Documents/Drawings Were Checked By PPEC And Comments Must Be Considered By Vendor. Fabrication Can Proceed Accordingly. Revised Document To Be Issued Either For Review Or As Final Certified. However PPEC Will Check The Revised Document For Proper Incorporation Of Comments. ○ NOT RETURNED: Document Was Received For Information And Not Returned To The Vendor. 		
Name :	Req. No. :	Seq. No.:
Signature:		
Date :		
PPEC review & comments does not absolve the vendor of the responsibility for the corrected design, manufacturing and operation of the equipment		

REV.	DATE	Description	Prepared by	Checked by	Approved by	Authorized by
03	23-09-2025	Issue for Engineering	S.K.	S.K.	J.J.	
02	18-07-2025	Issue for Engineering	O.G.C	S.K.	J.J.	
01	27-05-2025	Issue for Engineering	S.K.	S.K.	J.J.	
00	18-04-2025	Issue for Engineering	S.K.	S.K.	J.J.	

Vendor 	ABT 360 KT/Y PP PLANT		Contractor (DEC)	Owner  سراج گستاران رجال SERAJ GOSTARAN REJAL (سهامی خاص)
	Equipment data sheet			
	Vendor's Doc. No.: 2 3 2 4 9 - 1 1	Rev.: 03		
PPEC Doc. No.: L03-RE037-ME-DSH-002				

PAGE NO.	CHANGE INDEX DURING FORMAL ISSUE							REASON OF LATEST CHANGE
	FIRST ISSUE	SECOND ISSUE	THIRTH ISSUE	FOURTH ISSUE	FIFTH ISSUE	SIXTH ISSUE		
	REV.00	REV.01	REV.02	REV.03	REV.04	REV.05		
1	X	X	X	X				
2	X	X	X	X				
3	X	X	X	X				
4	X	X	X	X				
5	X	X	X	X				
6	X	X	X	X				
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
54								

VENDOR		 <h2 style="text-align: center;">EQUIPMENT DATA SHEET</h2>		P.O. No.		1402-SGE-088 Rev 01			
CONTRACTOR / END USER Seraj Gostaran Rejal Petro Palayesh Engineering Company				Document No.		L03-RE037-ME-DSH-002			
				Sheet No.		3 of 6			
				Rev.No		03			
ABT 360 KT/Y PP PLANT Project		Item Tag No.		PK6801					
		Service		Gas booster compressor package					
1	VENDOR (COMPRESSOR) :	Airpack Netherlands B.V.		REFERENCE :	23249-COM				
2	SERVICE :	Gas booster compressor PK6801		SERIAL NO. :	T-2025-00821				
3	QUANTITY :	1		OPERATION :	1 X 100%				
4	OPERATING CONDITIONS			PACKAGE SCOPE OF SUPPLY					
5	GAS HANDLED :	Case 1: 77% propylene & 23% propane		COMPRESSOR TYPE :	Horizontal piston booster				
6		Case 2: 70,2% propylene, 26,2% propane, 3,3% ethylene, 0,3% ethane		DRIVER TYPE :	Fixed speed, including electric motor				
7				COUPLING / GUARD :	Direct via coupling				
8	INLET CONDITIONS			CONFIGURATION:	1x100%				
9	PRESSURE	bar(g)	2,8-3,5	INTAKE FILTER / SILENCER:	N/A				
10	TEMPERATURE	°C	0-60	INTERCOOLING :	Water cooled				
11	CAPACITY	kg/h	1100-1200	AFTERCOOLER :	N/A				
12				LUBE-OIL COOLER:	N/A				
13	DISCHARGE CONDITIONS			LUBE-OIL FILTER:	Single				
14	INLET PRESSURE STAGE 1	bar(g)	2,8-3,5	OIL REMOVAL FILTER :	Yes (cartridge type)				
15	OUTLET PRESSURE STAGE 1	bar(g)	10,5	AUTO CONDENSATE TRAP:	No				
16	INLET PRESSURE STAGE 2	bar(g)	10,5	Unit Control Panel (UCP)	Yes, one (1) UCP with PLC				
17	OUTLET PRESSURE STAGE 2	bar(g)	21	Local control panel (LCP)	Yes, one (1) on skid				
18	FLOW RATE	kg/h	1100-1200	Junction boxes	Yes, on skid				
19	TEMPERATURE STAGE 1	°C	45-99	RCU AND SAFETY SWITCHES FOR MOTORS:	N/A				
20	TEMPERATURE STAGE 2	°C	85-97	VIBRATION MONITOR :	No				
21	AVERAGE COMPRESSION RATIO		2,4027	INTERCONNECTING PIPEWORK & VALVES :	No				
22				ACOUSTIC ENCLOSURE :	No				
23	COMP. PERFORMANCE			FOUNDATION BOLTS :	Yes				
24	SPEED	rpm	495	RECEIVER VESSELS:	N/A				
25	POWER AT COUPLING	kW	75	LIGHTING:	N/A				
26	TYPE		Horizontal piston booster						
27	stages		2						
28	DRIVER PERFORMANCE			UTILITY SUPPLIES					
29	OPERATING SPEED	rpm	495	ELECTRICAL SUPPLY :					
30	RATING	kW	75	V	400	PH	3	Hz	50
31	MANUFACTURER		WEG	V	110	PH	1	Hz	50
32									
33				COOLING MEDIUM :	Water				
34				TEMPERATURE	°C	42			
35				PRESSURE	bar(g)	8			
36	SITE CONDITIONS			WEIGHTS AND DIMENSIONS					
37	ELEVATION	m	<1000	COMPRESSOR	kg	2954			
38	AMB. TEMPERATURE	°C	1 / 55	DRIVER	kg	1491			
39	AMB. PRESSURE	bar(a)	1.03	MISCELLANEOUS	kg	1755			
40	REL. HUMIDITY	%	5 / 100	TOTAL	kg	6200			
41	LOCATION :		Onshore						
42	AREA CLASSIFICATION		Zone 2, IIC, T3						
43	NOISE LIMITATION	dBA	85 at 1 meter distance	SIZE	mm	L X W X H	3950 x 3200 x 2410		
44									
45	NOTES :								
46									
47									



VENDOR 	EQUIPMENT DATA SHEET	P.O. No.	1402-SGE-088 Rev 01
		Document No.	L03-RE037-ME-DSH-002
		Sheet No.	4 of 6
		Rev.No	03
CONTRACTOR / END USER Seraj Gostaran Rejal Petro Palayesh Engineering Company	ABT 360 KT/Y PP PLANT Project	Item Tag No.	PK6801
		Service	Gas booster compressor package



1	CONSTRUCTION			
2	SPEEDS		BEARING HOUSING	
3	MAXIMUM ALLOWABLE	RPM	700	TYPE
4	ROTATION VIEWED FROM DRIVEN END		Right	BALL / ROLLER
5	CASING		MATERIALS	
6	MODEL		2EHA-2-L-GT	CYLINDERS
7	MAXIMUM WORKING PRESSURE	bar(g)	21	PRESSURE PACKING
8	MAXIMUM DESIGN PRESSURE	bar(g)	30	PISTONS
9	MAXIMUM OPERATING TEMP	°C	97	PISTON RINGS
10	MINIMUM OPERATING TEMP	°C	0	PISTON RODS
11				VALVE SEAT
12				
13				LUBRICATION
14				LUBE SYSTEM :
15				SYSTEM OIL CAPACITY
16				LITER
17				LUBE OIL COOLER
18				LUBE OIL FILTER
19				LUBRICATION CHANGE
20				LUBRICANT TYPE
21				
22				
23	SHAFT			
24	DIAMETER AT MOTOR	mm	100	
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35	SKID / COMPRESSOR CONNECTIONS			
36	NOZZLE	SIZE	RATING	FACING
37	PACKAGE INLET	3"	150#	RF
38	PACKAGE OUTLET	2"	600#	RF
39	CW SUPPLY	1 1/2"	300#	RF
40	CW RETURN	1 1/2"	300#	RF
41	INSTRUMENT AIR INLET	3/4"	150#	RF
42	OUTLET TO FLARE	4"	150#	RF
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				

REFER TO:
- P&ID (L03-RE037-PR-PID-001)
- INSTR. DATASHEET (L03-RE037-IN-DSH-003)

58 **NOTES :** 1. Compressor lube oil level can be checked at sight glass

59
60

VENDOR		 <h2 style="text-align: center;">EQUIPMENT DATA SHEET</h2>		P.O. No.	1402-SGE-088 Rev 01	
				Document No.	L03-RE037-ME-DSH-002	
				Sheet No.	5 of 6	
				Rev.No	03	
CONTRACTOR / END USER		<h3 style="text-align: center;">ABT 360 KT/Y PP PLANT Project</h3>		Item Tag No.	PK6801	
Seraj Gostaran Rejal Petro Palayesh Engineering Company				Service	Gas booster compressor package	
1 PULSATION DAMPER INLET D-PK6801-1						
2	OPERATING PRESSURE	Bar(g)	2.8-3.5	WEIGHT EMPTY	kg	Included in compressor weight
3	DESIGN PRESSURE	Bar(g)	5	CAPACITY	L	95.24
4	HYDROTEST PRESSURE	Bar(g)	7,5	PSV SETTING	Bar(g)	5
5	OPERATING TEMPERATURE	°C	0-60	MIN. / MAX. DIAMETER	mm	210 / 1284.8
6	DESIGN TEMPERATURE	°C	75	NOZZLE SIZE IN/OUT		3" 150#
7	DESIGN CODE		Mfr. Std.	NOZZLE SIZE PSV		1" 150"
8	MATERIAL OF CONSTRUCTION		Carbon steel			
9 PULSATION DAMPER 1st stage D-PK6801-2						
10	OPERATING PRESSURE	Bar(g)	10.5	WEIGHT EMPTY	kg	Included in compressor weight
11	DESIGN PRESSURE	Bar(g)	16	CAPACITY	L	69.84
12	HYDROTEST PRESSURE	Bar(g)	24	PSV SETTING	Bar(g)	16
13	OPERATING TEMPERATURE	°C	45-99	MIN. / MAX. DIAMETER	mm	210 / 1463.1
14	DESIGN TEMPERATURE	°C	120	NOZZLE SIZE IN/OUT		Mfr. Std.
15	DESIGN CODE		Mfr. Std.	NOZZLE SIZE PSV		1" 300#
16	MATERIAL OF CONSTRUCTION		Carbon steel			
17 PULSATION DAMPER 2nd stage D-PK6801-3						
18	OPERATING PRESSURE	Bar(g)	10.5	WEIGHT EMPTY	kg	Included in compressor weight
19	DESIGN PRESSURE	Bar(g)	16	CAPACITY	L	34.7
20	HYDROTEST PRESSURE	Bar(g)	24	PSV SETTING	Bar(g)	16
21	OPERATING TEMPERATURE	°C	52	MIN. / MAX. DIAMETER	mm	130 / 1395.1
22	DESIGN TEMPERATURE	°C	75	NOZZLE SIZE IN/OUT		Mfr. Std.
23	DESIGN CODE		Mfr. Std.			
24	MATERIAL OF CONSTRUCTION		Carbon steel			
17 PULSATION DAMPER 2nd stage D-PK6801-4						
18	OPERATING PRESSURE	Bar(g)	21	WEIGHT EMPTY	kg	Included in compressor weight
19	DESIGN PRESSURE	Bar(g)	30	CAPACITY	L	30
20	HYDROTEST PRESSURE	Bar(g)	45	PSV SETTING	Bar(g)	30
21	OPERATING TEMPERATURE	°C	45-99	MIN. / MAX. DIAMETER	mm	339.4 / 631.6
22	DESIGN TEMPERATURE	°C	120	NOZZLE SIZE IN/OUT		2" 600#
23	DESIGN CODE		Mfr. Std.	NOZZLE SIZE PSV		1" 600#
24	MATERIAL OF CONSTRUCTION		Carbon steel			
39	NOTES :					
40						
41						

VENDOR		 <h2 style="text-align: center;">EQUIPMENT DATA SHEET</h2>				P.O. No.	1402-SGE-088 Rev 01
						Document No.	L03-RE037-ME-DSH-002
						Sheet No.	6 of 6
						Rev.No	03
CONTRACTOR / END USER		ABT 360 KT/Y PP PLANT Project				Item Tag No.	PK6801
Seraj Gostaran Rejal Petro Palayesh Engineering Company						Service	Gas booster compressor package
OIL SUMP (inside compressor)							
1							
2	NO. REQUIRED	1	OPERATING FLUID (MODEL)		CEPSA SUPER SERIE 3 SAE30		
3	MFR SUPPLIER	COMPRESSOR MFR	VOLUME	L	Mrf. Std		
4	OPERATING PRESSURE	Bar(g)	2	DESIGN PRESSURE	Bar(g)	4	
5	LOCATION	Oil system					
6	OIL PUMP P-PK6801-01						
7	OPERATING PRESSURE	Bar(g)	2	TYPE		Shaft driven	
8	DESIGN PRESSURE	Bar(g)	5.5	OPERATING FLUID		OIL	
9	OPERATING TEMPERATURE	°C	15 - 68	OPERATING FLOW RATE	m3/h	1	
10	DESIGN TEMPERATURE	°C	70	MFR SUPPLIER		Compressor mfr.	
11	OIL FILTER F-PK6801-03						
12	NO. REQUIRED	1	MAXIMUM ALLOWABLE DP		Bar	TBD	
13	MFR SUPPLIER	Compressor mfr.		FLOW RATE	m3/h	1	
14	OPERATING PRESSURE	Bar(g)	2	FILTER EFFICIENCY		µm	Mrf. Std
15	DESIGN PRESSURE	Bar(g)	14	DESIGN TEMPERATURE		°C	70
16	OPERATING TEMPERATURE	°C	15 - 68				
17	COOLER E-PK6801-01						
18	FLUID ALLOCATION	SHELL SIDE		TUBE SIDE		MATERIAL	
19	FLUID NAME	water		Gas		DESIGN/TEST PRESSURE	Bar(g)
20	FLUID QUANTITY, TOTAL	kg/h	3922,76	1536,69	DESIGN TEMPERATURE	°C	120
21	TEMPERATURE (IN/OUT)	°C	42 51,8	96,4 47	CONNECT. SIZE & RATING (IN/OUT)		Mrf. Std
22	DENSITY GAS CASE 1	kg/m3	991.8	17.6			
23	DENSITY GAS CASE 2	kg/m3	991.8	17.4			
24	INLET PRESSURE	Bar(g)	8	10,5			
25	NOTES :						
26							
27							