



Vendor	<b>ABT 360 KT/Y PP PLANT Project</b>			Owner
	Equipment data sheet			
	Vendor's Doc. No.: 23249-11	Rev.: 00		
	PPEC Doc. No.: L03-RE037-ME-DSH-002			

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

**ITEM NO. :**

**TOTAL PAGES : 06**

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00	18-04-2025	Issue for Engineering	S.K.	S.K.	J.J.	
REV.	DATE	Description	Prepared by	Checked by	Approved by	Authorized by

Vendor 	<b>ABT 360 KT/Y PP PLANT</b>		Contractor (DEC)	Owner  سراج گستران رجال SERAJ GOSTARAN REJAL (سهایی خانی)
	Equipment data sheet			
	Vendor's Doc. No.: 2 3 2 4 9 - 1 1 PPEC Doc. No.: L03-RE037-ME-DSH-002	Rev.: 00		

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	
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VENDOR



# EQUIPMENT DATA SHEET

Project No. 1402-SGE-088 Rev 01

Sheet No. 3 of 6

Rev.No 00

Item Tag No. PK-6801


Service Gas booster compressor package


CONTRACTOR / END USER


Seraj Gostaran Rejal  
Petro Palayesh Engineering Company

## ABT 360 KT/Y PP PLANT Project

1	VENDOR (COMPRESSOR) :		Airpack Netherlands B.V.		REFERENCE :	23249-COM	
2	SERVICE :		Gas booster compressor		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)	TBD
36	SITE CONDITIONS				WEIGHTS AND DIMENSIONS		
37	ELEVATION	m	<1000		COMPRESSOR	kg	TBD
38	AMB. TEMPERATURE	°C	1 / 55		DRIVER	kg	TBD
39	AMB. PRESSURE	bar(a)	1,03		MISCELLANEOUS	kg	TBD
40	REL. HUMIDITY	%	5 / 100		TOTAL	kg	TBD
41	LOCATION :		Onshore				
42	AREA CLASSIFICATION		Zone 2				
43	NOISE LIMITATION	dBA	85 at 1 meter distance		SIZE	mm L X W X H	... x ... x ... (filled in after GAD)
44							
45	NOTES :						
46							
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VENDOR			EQUIPMENT DATA SHEET			P.O. No.		1402-SGE-088 Rev 01				
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			Rev.No		00							
CONTRACTOR / END USER			ABT 360 KT/Y PP PLANT Project			Item Tag No.		PK-6801				
Seraj Gostaran Rejal Petro Palayesh Engineering Company						Service		Gas booster compressor package				
1			CONSTRUCTION									
2			SPEEDS		BEARING HOUSING							
3			MAXIMUM ALLOWABLE		RPM		700		TYPE		NA	
4			ROTATION VIEWED FROM DRIVEN END		Right		BALL / ROLLER		NA		NA	
5			CASING		MATERIALS							
6			MODEL		TBD		CASING		TBD			
7			MAXIMUM WORKING PRESSURE		bar(g)		21		TBD			
8			MAXIMUM DESIGN PRESSURE		bar(g)		30		TBD			
9			MAXIMUM OPERATING TEMP		°C		97		TBD			
10			MINIMUM OPERATING TEMP		°C		0		TBD			
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VENDOR 		<b>EQUIPMENT DATA SHEET</b>		P.O. No. 1402-SGE-088 Rev 01		
CONTRACTOR / END USER  Seraj Gostaran Rejal Petro Palayesh Engineering Company		<b>ABT 360 KT/Y PP PLANT Project</b>		Document No. L03-RE037-ME-DSH-002		
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				00		
		<b>D-PK6803-1</b>		PK-6801		
		Service		Gas booster compressor package		
<b>1 PULSATION DAMPER INLET D-PK-6003-1</b>						
2	OPERATING PRESSURE	Bar(g)	2.8-3.5	WEIGHT EMPTY	kg	TBD
3	DESIGN PRESSURE	Bar(g)	5	CAPACITY	m3	68 not 60
4	HYDROTEST PRESSURE	Bar(g)	7.5	PSV SETTING	Bar(g)	5
5	OPERATING TEMPERATURE	°C	0-60	DIMENSIONS	DIAXIT	TBD
6	DESIGN TEMPERATURE	°C	75	NOZZLE SIZE IN/OUT		TBD
7	DESIGN CODE		Mfr. Std.	NOZZLE SIZE PSV		TBD
8	MATERIAL OF CONSTRUCTION		Carbon steel			
<b>9 PULSATION DAMPER 1st stage D-PK-6003-2</b>						
10	OPERATING PRESSURE	Bar(g)	10.5	WEIGHT EMPTY	kg	TBD
11	DESIGN PRESSURE	Bar(g)	16	CAPACITY	m3	To be calculated
12	HYDROTEST PRESSURE	Bar(g)	24	PSV SETTING	Bar(g)	16
13	OPERATING TEMPERATURE	°C	45-99	DIMENSIONS	DIAXIT	TBD
14	DESIGN TEMPERATURE	°C	120	NOZZLE SIZE IN/OUT		TBD
15	DESIGN CODE		Mfr. Std.	NOZZLE SIZE PSV		TBD
16	MATERIAL OF CONSTRUCTION		Carbon steel			
<b>17 PULSATION DAMPER 2nd stage D-PK-6003-3</b>						
18	OPERATING PRESSURE	Bar(g)	10.5	WEIGHT EMPTY	kg	TBD
19	DESIGN PRESSURE	Bar(g)	16	CAPACITY	m3	To be calculated
20	HYDROTEST PRESSURE	Bar(g)	24	PSV SETTING	Bar(g)	16
21	OPERATING TEMPERATURE	°C	52	DIMENSIONS	DIAXIT	TBD
22	DESIGN TEMPERATURE	°C	75	NOZZLE SIZE IN/OUT		TBD
23	DESIGN CODE		Mfr. Std.	NOZZLE SIZE PSV		TBD
24	MATERIAL OF CONSTRUCTION		Carbon steel			
<b>17 PULSATION DAMPER 2nd stage D-PK-6003-4</b>						
18	OPERATING PRESSURE	Bar(g)	21	WEIGHT EMPTY	kg	TBD
19	DESIGN PRESSURE	Bar(g)	30	CAPACITY	m3	To be calculated
20	HYDROTEST PRESSURE	Bar(g)	45	PSV SETTING	Bar(g)	30
21	OPERATING TEMPERATURE	°C	45-99	DIMENSIONS	DIAXIT	TBD
22	DESIGN TEMPERATURE	°C	120	NOZZLE SIZE IN/OUT		TBD
23	DESIGN CODE		Mfr. Std.	NOZZLE SIZE PSV		TBD
24	MATERIAL OF CONSTRUCTION		Carbon steel			
39	<b>NOTES :</b>					
40						
41						

VENDOR 		<b>EQUIPMENT DATA SHEET</b>		P.O. No. 1402-SGE-088 Rev 01	Document No. L03-RE037-ME-DSH-002
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				Item Tag No. PK-6801	Service Gas booster compressor package
1	<b>OIL SUMP</b>				
2	NO. REQUIRED	1	OPERATING FLUID (MODEL)		<b>CEPSA SUPER SERIE 3 SAE30</b>
3	MFR SUPPLIER	<b>COMPRESSOR MFR</b>	VOLUME	L	<b>TBD</b>
4	OPERATING PRESSURE	Bar(g)	2	DESIGN PRESSURE	Bar(g)
5	LOCATION	<b>Oil system</b>	EQUIPMENT NO.		<b>NA</b>
6	<b>OIL PUMP P-PK-6801-1</b>				
7	OPERATING PRESSURE	Bar(g)	2	TYPE	<b>Shaft driven</b>
8	DESIGN PRESSURE	Bar(g)	<b>5,5</b>	OPERATING FLUID	<b>OIL</b>
9	OPERATING TEMPERATURE	°C	<b>15 - 68</b>	OPERATING FLOW RATE	L/min
10	DESIGN TEMPERATURE	°C	<b>70</b>	MFR SUPPLIER	<b>Compressor mfr.</b>
11	<b>OIL FILTER F-PK-6801-3</b>				
12	NO. REQUIRED	1	MAXIMUM ALLOWABLE DP		Bar
13	MFR SUPPLIER	<b>TBD</b>	FLOW RATE		L/min
14	OPERATING PRESSURE	Bar(g)	2	FILTER EFFICIENCY	µm
15	DESIGN PRESSURE	Bar(g)	<b>14</b>	DESIGN TEMPERATURE	°C
16	OPERATING TEMPERATURE	°C	<b>TBD</b>		
17	<b>COOLER E-PK-6801-1</b>				
18	FLUID ALLOCATION	<b>SHELL SIDE</b>	<b>TUBE SIDE</b>	<b>MATERIAL</b>	
19	FLUID NAME	<b>water</b>	<b>Gas</b>	DESIGN/TEST PRESSURE	Bar(g)
20	FLUID QUANTITY, TOTAL	kg/h	<b>TBD</b>	DESIGN TEMPERATURE	°C
21	TEMPERATURE (IN/OUT)	°C	<b>45-99</b>	CONNECT. SIZE & RATING (IN/OUT)	<b>Max. 52</b>
22	DENSITY GAS CASE 1	kg/m3	<b>991,8</b>		<b>17,6</b>
23	DENSITY GAS CASE 2	kg/m3	<b>991,8</b>		<b>17,4</b>
24	INLET PRESSURE	Bar(g)	<b>8</b>		<b>10,5</b>
25	<b>NOTES :</b>				
26					
27					