



Vendor	ABT 360 KT/Y PP PLANT Project			Owner
	Main motor data sheet			
	Vendor's Doc. No.: 23249-10	Rev.: 00		
	PPEC Doc. No.: L03-RE037-ME-DSH-001			

PPEC REQ. NO. : L03-RE037-ME-DSH-001

ITEM NO. :

TOTAL PAGES : 04

NO COMMENT

- **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 :
Signature:
Date :

Req. No. :

Seq. No.:

PPEC review & comments does not absolve the vendor of the responsibility for the corrected design, manufacturing and operation of the equipment

00	23-04-2025	Issue for Engineering	S.K.	S.K.	J.J.	
REV.	DATE	Description	Prepared by	Checked by	Approved by	Authorized by

Vendor 	ABT 360 KT/Y PP PLANT		Contractor (DEC)	Owner  سراج گستران رجال SERAJ GOSTARAN REJAL (سهامی خاص)
	Main motor data sheet			
	Vendor's Doc. No.: 2 3 2 4 9 - 1 0 PPEC Doc. No.: L03-RE037-ME-DSH-001	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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MAIN MOTOR DATA SHEET

PROJECT :	ABT 360 KT/Y PP PLANT Project	PROJECT N°:	UNIT	DOCUMENT N°	SHEET	REV
CLIENT:	Seraj Gostaran Rejal	1400-SGE-060	PK-6801	23249-10	3 of 4	00

1	Item:	Main motor	Quantity:	1 (one)	
2	General specification:		Standards, codes:	IEC60034	
3	Supplier:	Airpack	Manufacturer:	WEG	
4		Unit			
5	ENVIRONMENTAL CONDITIONS				
6	Installation (indoor/outdoor) / Ambient Type			Outdoor	
7	Ambient Design Temperature (Min./Max.)	°C		-20 / 55	
8	Altitude (if > 1000m)	m		<1000 m.a.s.l.	
9	Relative Humidity	%		5 / 100	
10	Area Classification			Zone 2	
11	Other conditions			Onshore	
12					
13	DRIVEN MACHINE DATA				
14	Machine Type			Compressor	
15	Absorbed power	kW		74,948	
17	Coupling type			Direct	
18	Driven Machine Inertia (WR2)	kg.m2		10.9	
19	Starting			Loaded	
20					
21	GENERAL MOTOR CHARACTERISTICS				
22	Rated power	kW		80,159	
23	Poles	N°		12	
24	Voltage	V		Delta 400V with 6 leads	
25	Frequency	Hz		50	
26	phase	N°		3	
27	Motor type			Squirrel Cage	
28	Fan execution			Anti-Static	
29	Motor material			Cast Iron	
30	Direction of Rotation (looking at motor coupling)			Bi-directional	
31	Mounting			B3T	
32	Protection degree enclosure	IP		IP-55	
33	Protection degree terminal box	IP		IP-55	
34	Atex protection Motor			Ex'ec'	
35	Atex protection terminal box			Ex'ec'	
36	Area Classification according ATEX			II 3G Ex ec IIC T3 Gc	
37	Axial Bearing Type (NDE)			Ball	
38	Bearing Code (NDE)			6319-C3	
39	Axial Bearing Type (DE)			Ball	
40	Bearing code (DE)			6322-C3	
41	Lubrication type			MOBIL POLYREX EM	
42	Lubrication interval	hr		12000(DE) / 13000(NDE)	
43	Cooling method			IC411 - TEFC	
44	Starting method			Direct On Line	
45	Winding Connection			DELTA	
46	Number of terminals brought out	N°		3	
47	Min.Insulation Class			B	
48	Max Temperature Rise			F	
49	Painting standard			212P	
50	Painting Colour			RAL 5015	
51	Motor Nett Weight	Kg		1491	
52	Dimension (L x W x H)	mm		1482 x 750 x 981	
53	Frame Size			355 M/L	
54	Noise Level at 1 m (at full load)	dB(A)		max. 85	
55	Full Load Speed	rpm		495	
56	starting / Locked Rotor percentage	%		420	
57	Rated current	A		178	
58	No load current	A		109	
59	Full load Torque	Nm		1451	
60	Efficiency 4/4			93.5	
61	Efficiency 3/4			93.0	
62	Efficiency 2/4			92.0	
63	Power Factor 4/4			0.65	
64	Power Factor 3/4			0.58	
65	Power Factor 2/4			0.46	
66	Locked rotor time : hot	s		90	
67	Locked rotor time : Cold	s		162	
68	Duty type			S1	
69	Service Factor			N/A*	
70	Efficiency level			N/A**	

TO BE COMPLETED BY PURCHASER & BY DRIVEN MACHINE SUPPLIER

