



Vendor	ABT 360 KT/Y PP PLANT Project			Owner
	Main motor data sheet			
	Vendor's Doc. No.: 23249-10	Rev.: 01		
	PPEC Doc. No.: L03-RE037-ME-DSH-001			

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

ITEM NO. :

TOTAL PAGES : 04

- **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.
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- **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

01	06-06-2025	Issue for Engineering	S.K.	S.K.	J.J.	
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 (سهایی خانی)
	Main motor data sheet			
	Vendor's Doc. No.: 2 3 2 4 9 - 1 0 PPEC Doc. No.: L03-RE037-ME-DSH-001	Rev.: 01		

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					
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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	01

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		Wouldn't it be more appropriate to use a 4-pole motor and gearbox instead of a 12-pole motor?
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		Efficiency:it's very low
61	Efficiency 3/4		93.0		
62	Efficiency 2/4		92.0		
63	Power Factor 4/4		0.65		Power Factor:it's very low
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

