



Vendor	ABT 360 KT/Y PP PLANT Project		Owner
	Main motor data sheet		
	Vendor's Doc. No.: 23249-10	Rev.: 05	سراج گستران رجال SERAJ GOSTARAN REJAL (سهامی خاص)
	PPEC Doc. No.: L03-RE037-ME-DSH-001		



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

ITEM NO. :

TOTAL PAGES : 04

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05	16-12-2025	Issue for Engineering	S.K.	S.K.	J.J.	
04	29-10-2025	Issue for Engineering	S.K.	S.K.	J.J.	
03	22-09-2025	Issue for Engineering	S.K.	S.K.	J.J.	
02	18-07-2025	Issue for Engineering	O.G.C.	S.K.	J.J.	
01	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 گستاران رجال SERAJ GOSTARAN REJAL (سهامی خاص)
	Main motor data sheet			
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PPEC Doc. No.: L03-RE037-ME-DSH-001				

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	X	X		
2	X	X	X	X	X	X		
3	X		X	X	X	X		
4	X		X	X	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	05

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.m ²		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, ±10 %
25	Frequency	Hz		50 ±2 %
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

