



Vendor	ABT 360 KT/Y PP PLANT Project		Owner
	Main motor data sheet		 سراج گستران رجال SERAJ GOSTARAN REJAL (سهامی خاص)
	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

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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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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	
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

