



LIDCO, Pars SEE Zone, Assaluyeh,
Integrated Methanol and Ammonia
Plant 3000 MTPD MeOH / 900 MTPD NH3 PROJECT



Main Motor Data Sheets

Document No. 17735-10

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**Airpack B.V. - Air Compressor –
Integrated Methanol and Ammonia Plant
17735-COM Main Motor Data Sheets (K020)**

Code 2
M.Dalakeh

Attached project
data sheet shall be
filled.



REV.	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
03	10-06-2024	Issued for Approval	S.K.	S.K.	J.J.
02	03-06-2024	Issued for Approval	S.K.	S.K.	J.J.
01	08-04-2024	Issued for Approval	S.K.	S.K.	J.J.

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3	X	X	X			28						53						78					
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MAIN MOTOR DATA SHEET

PROJECT :	Integrated Methanol and Ammonia Plant	PROJECT N°:	UNIT	DOCUMENT N°	SHEET	REV
CLIENT:	LIDCO	17735	KM-020	N-278-VD-6019-PM-DS-0010	3 of 4	03

1	Item:	Main motor	Quantity:	1
2	General specificatio	N278-000-EL-JSS-1691-001	Standards, codes:	(IEC60034) IEC 60034-8
3	Supplier:	Airpack	Manufacturer:	Siemens
4			Unit	
5	ENVIRONMENTAL CONDITIONS			
6	Installation (indoor/outdoor) / Ambient Type			Indoor
7	Ambient Design Temperature (Min./Max.)	°C		0-49
8	Altitude (if > 1000m)	m		<1000 m.a.s.l.
9	Relative Humidity	%		85%
10	Area Classification			Safe area
11	Other conditions			Onshore
12				
13	DRIVEN MACHINE DATA			
14	Machine Type			Air booster compressor
15	Max absorbed power	kW		Approx. 5
16	Motor rated power	kW		11
17	Coupling type			V-belt
18	Starting current			7.4 xln
19				
20	GENERAL MOTOR CHARACTERISTICS			
21	Rated power	kW		15
22	Poles	N°		4
23	Voltage	V		400+/-5%
24	Frequency	Hz		50+/-2%
25	phase	ph		3
26	Motor type			Squirrel cage induction motor
27	Fan execution			Standard
28	Motor material			Cast Iron
29	special execution			-
30	Direction of Rotation (looking at motor coupling)			Clockwise
31	Mounting			IM B35
32	Protection degree enclosure	IP		55
33	Protection degree terminal box	IP		55
34	Atex protection Motor			-
35	Atex protection terminal box			-
36	Area Classification according ATEX			Safe area
37	Axial Bearing Type (NDE)			Roller
38	Bearing Code (NDE)			6309-C3
39	Axial Bearing Type (DE)			Roller
40	Bearing code (DE)			6309-C3
41	Lubrication type			Esso unirex N3
42	Lubrication interval	hr		4000
43	Cooling method			TEFC
44	Winding material			Copper
45	Starting method			DOL
46	Winding Connection			STAR
47	Number of terminals brought out	N°		3
48	Min.Insulation Class			F
49	Max Temperature Rise			B
50	Painting standard			C5M
51	Painting Colour			RAL-7030
52	Motor Nett Weight	Kg		217
53	Dimension (L x W x H)	mm		725,5x350x545
54	Frame Size	L		160
55	Noise Level at 1 m (at full load)	dB(A)		69
56	Full Load Speed	rpm		1467
57	Power factor	100/75/50% load		0.82/0.82/0.72
58	Max. voltage drop at starting	%		20
59	Rated current	A		28
60	Full load Torque	Nm		3,4
61	Efficiency	100/75/50% load		92.1/92.3/91.5
62	Power Factor 2/4			0,85
63	Total no. of start per hour : hot			2
64	Total no. of start per hour : Cold			3
65	Duty type			S1
66	Service Factor			1.0

TO BE COMPLETED BY PURCHASER & BY DRIVEN MACHINE SUPPLIER

