

 <p>شرکت توسعه صنایع لوان Lavan Industry Development Company</p>	<p>LIDCO, Pars SEE Zone, Assaluyeh, Integrated Methanol and Ammonia Plant 3000 MTPD MeOH / 900 MTPD NH3 PROJECT</p>						
	<p>Main Motor Data Sheets</p>						
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**Airpack B.V. - Air Compressor –
Integrated Methanol and Ammonia Plant
17735-COM Main Motor Data Sheets (K020)**

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Main Motor Data Sheets

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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	04

TO BE COMPLETED BY PURCHASER & BY DRIVEN MACHINE SUPPLIER	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				
	5	ENVIRONMENTAL CONDITIONS		Unit	
	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 xIn
	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

