

PROJECTS

DATA SHEET LOW VOLTAGE INDUCTION MOTOR

PROJECT : CLIENT: _____ MECHANICAL SUPPLIER: _____ EQUIPMENT: _____	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">PROJECT N°:</td> <td style="width:15%;">UNIT</td> <td style="width:15%;">DOCT. CODE</td> <td style="width:15%;">SERIAL N°</td> <td style="width:15%;">REV</td> <td style="width:15%;">SHEET</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">001</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> </tr> </table> <div style="text-align: center; border: 1px solid black; padding: 5px; margin-top: 5px;"> MOTOR ITEM EQUIPMENT TAG NUMBER CONSUMER TYPE SERIAL N° 0520-AL-1060 </div>	PROJECT N°:	UNIT	DOCT. CODE	SERIAL N°	REV	SHEET				001	0	1
PROJECT N°:	UNIT	DOCT. CODE	SERIAL N°	REV	SHEET								
			001	0	1								
REV	DATE	STATUS	WRITTEN	CHECKED	APPROVED								

1	ITEM: 0520-AL-1060	QUANTITY:	MR
2	General specification: 9806J-0440-JSS-1691-001	Standards, codes:	IEC
3	Supplier:	Manufacturer:	LEROY SOMER
4			
5	ENVIRONMENTAL CONDITIONS		
6	Installation (indoor/outdoor) / Ambient Type: Dusty and Corrosive		
7	Ambient Design Temperature	Max: 47 °C	Min: 5°C
8	Altitude (if > 1000m)/Relative Humidity	a.s.l.: <1000 m	70 %
9	Area Classification	Tropic-Proofed	
10	Hazardous area (Zone)/ Gas Group/Temperature	According to package requirements	
11	DRIVEN MACHINE DATA		
12	Manufacturer/Machine Type (fan, pump, compressor,...)		
13	Maxi shaft power / Shaft power at operating point	kW	kW
14	Coupling type / To be designed for restarting	Yes <input type="checkbox"/>	No <input type="checkbox"/>
15	Thrust (vertical) Up/Down	Up <input type="checkbox"/>	Down <input type="checkbox"/>
16	Driven Machine Inertia (WR2)	-	kg.m2
17	Brake torque curve* / Required starting brake torque	-	N.m
18	* To be supplied only if available		
19	MOTOR GENERAL CHARACTERISTICS		
20	Rated power/ Poles number	250 kW	N°: 4
21	Voltage/Frequency/Phases	690 V	50 Hz N°: 3
22	Service condition (S1,S2,...)	S1	
23	Mounting (IM1001,3001,3011,1011,...)	IM B3	
24	Protection degree: Enclosure / terminal box	IP: 55	IP: 55
25	Protection Ex(n), Ex(d), Ex(e): Motor / terminal box	N/A	N/A
26	Gas group (IIB,...) / Temperature class (T3,...)	N/A	N/A
27	Enclosure cooling (fan cooled, air to air, air to water,...)	IC411	
28	Starting Method (loaded, unloaded / DOL, soft start,VSD,...)	Loaded <input type="checkbox"/>	DOL <input checked="" type="checkbox"/>
29	Starting voltage (full, reduced x%) / Max. voltage drop at starting	Soft start <input type="checkbox"/>	VSD <input type="checkbox"/>
30	Nb of consecutive starts within 1 hour	Cold 3	Hot 2
31	Min. Insulation Class (B,F,...)/Max Temperature Rise	F	B
32	Direction of Rotation (looking at motor coupling)	CW <input type="checkbox"/>	CCW <input type="checkbox"/>
33	Position of Main / Auxiliary terminal box	Main TOP <input type="checkbox"/>	Auxiliary TOP <input checked="" type="checkbox"/>
34	Cable Type, Size and Overall Diameter on Main terminal box	Type : XLPE Arm	Size Diam. mm
35	Cable Type, Size and Overall Diameter on Aux terminal box	Type : XLPE Arm	Size(mm²) Diam. mm
36	Terminal boxes provided with cable glands	Yes <input checked="" type="checkbox"/>	Metall. No <input type="checkbox"/>
37	Painting (Mfr standard,... / color)	RAL 7031	
38	Noise Level at 1 m	80 dB(A)	
39			
40	MOTOR MANUFACTURER'S DATA		
41	Manufacturer type / Frame Size / -	FLSES	355 LC
42	Winding Connection (star, delta)/Nb terminals brought out	STAR	N°: 6
43	Full Load Speed	1488 rpm	
44	Rated Current (690VY) / No load current / Locked Rotor Current	249,4 A	152 A
45	Starting Time (% of Voltage) at full load	100%: - s	80%: - s
46	Allowable Locked Rotor withstand Time	Cold: 15 s	Hot: 3 s
47	Thermal Time Constant	Cooling: 304 s	Heating: 74 s
48	Efficiency	4/4 95,0 %	3/4 95,0 %
49	Power Factor	4/4 0,88	3/4 0,85
50	Locked Rotor Power Factor	0,3	
51	Full load Torque	1604 N.m	
52	Locked/Pull Up/Breakdown Torque	L 150 %	PU 120 %
53	Rotor Motor Inertia (WR2)	6,5 kg.m2	
54	Bearing Type (Drive End/Non Drive End)	DE: 6322 C3	NDE: 6316 C3
55	Lubrication Type/Interval	4158 hours	
56	Windings Temperature Sensors PT100	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
57		Alarm <input type="checkbox"/>	1 set of 3 <input checked="" type="checkbox"/>
58	Temperature setting of winding sensors	150 °C	155 °C

59			
60	Ground lug size	M12	mm ²
61	Motor Weight	1800	kg
62	Certifying authority / certificate Nr	N/A	N/A
63			
64			
65			