

		INDUCTION MOTOR DATA SHEET			PROJECT No. 1656											
					MODEL No. 24TE-FFEB											
					L-SPEC No. D1ML20860											
SHEET 1 OF 1		CUSTOMER <input type="text"/>														
FOR INFORMATION		JOB NO. <input type="text"/>			ITEM No. <input type="text"/>											
SERVICE <input type="text"/>		SITE <input type="text"/>			QUANTITY <input type="text"/>											
GENERAL DATA				PERFORMANCE DATA												
FRAME No.		225S		OUTPUT		55 kW										
TYPE		TE-F		POLES		4 P										
ENCLOSURE		TE		ROTOR TYPE		SQUIRREL CAGE										
COOLING METHOD		FC(IC411)		STARTING METHOD		DIRECT ON LINE										
INSULATION CLASS		F CLASS		PHASE		3 PHASE										
TEMP. RISE AT FULL LOAD				FREQUENCY		60 Hz										
RES. METHOD		80 K (at S.F.:1.0)		SPEED (AT FULL LOAD)		1785 r/min										
RATING		S1		PRIMARY												
LOCATION		INDOOR		VOLTAGE		380 V										
ALTITUDE		LESS THAN 1000 m		NO LOAD CURRENT		45.4 A										
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT		105.5 A										
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT		650 %										
EXPLOSION PROOF TYPE		N/A		EFFICIENCY												
MOUNTING		V1		AT 1/2 LOAD		92.4 %										
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD		94.4 %										
NDE/DE BRG. No.		6312C3 / 6314C3		AT FULL LOAD		95.4 %										
BRG. LUBRICATION		MOBIL Polyrex EM		POWER FACTOR												
PROTECTION GRADE		IP55		AT 1/2 LOAD		68.0 %										
SERVICE FACTOR		1.15		AT 3/4 LOAD		78.0 %										
DRIVE		DIRECT COUPLED		AT FULL LOAD		83.0 %										
SHAFT				TORQUE												
EXTENSION		SINGLE		FULL LOAD		30 kg-m										
EXTERNAL THRUST		N/A				294.3 N-m										
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)				LOCKED ROTOR		170 %										
NO-LOAD		N/A		BREAKDOWN		220 %										
VIBRATION		N/A		MOTOR GD ²		3.266 kg-m ²										
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD ² AT MOTOR SHAFT		91.5 kg-m ²										
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT		390 kg										
				PAINTING		0.5PB 3.2/4.4 (URETHANE)										
ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS												
TEMPERATURE DETECTOR				OUTLINE DIMENSION		ES1AS48716										
WINDING		NO		CONDUIT BOX & COVER		ES1B100804										
		TYPE -		SPEED-TORQUE & CURRENT CURVE		D1ML20860										
BEARING		NO		THERMAL LIMIT & TIME-CURRENT CURVE		D1ML20860										
		TYPE -		LOAD vs POWER FACTOR & EFFICIENCY		D1ML20860										
SPACE HEATER		NO		<REMARKS> 1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE. 2. PREMIUM EFFICIENCY TYPE MOTOR												
RATING		-														
APPLICATION STANDARDS		IEC60034-1, ISO 3746		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>REV. NO</td> <td>DATE</td> <td>PREPARED</td> <td>CHECKED</td> <td>APPROVED</td> </tr> <tr> <td>1</td> <td>2025-09-22</td> <td>S.U.LEE</td> <td>J.H.CHA</td> <td>Y.J.PARK</td> </tr> </table>			REV. NO	DATE	PREPARED	CHECKED	APPROVED	1	2025-09-22	S.U.LEE	J.H.CHA	Y.J.PARK
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1	2025-09-22	S.U.LEE	J.H.CHA	Y.J.PARK												
<NOTE> 1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLERANCE OF APPLICATION STANDARD. 2. EXCEPT FOR STATEMENTS SPECIFIED ON THIS SHEET, ANYTHING ELSE SHALL BE IN ACCORDANCE WITH MAKER STANDARD 3. THE TEMPERATURE MEASURED AT BEARING HOUSING DOES NOT EXCEED 105°C.																

Data are subject to change without notice.(설계 개선 및 제작 환경에 따라 사전 공지 없이 특성 사양치 변경될 수 있음)

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