

		INDUCTION MOTOR DATA SHEET			PROJECT No. 2488											
					MODEL No. 24EFFEB											
					L-SPEC No. D1ML20603											
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.		250S		OUTPUT		55 kW										
TYPE		EF		POLES		6 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)		1190 r/min										
RATING		S1		PRIMARY												
LOCATION		INDOOR		VOLTAGE		380 V										
ALTITUDE		LESS THAN 1000 m		NO LOAD CURRENT		45.2 A										
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT		109.8 A										
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT		600 %										
EXPLOSION PROOF TYPE		Ex d IIB T4		EFFICIENCY												
MOUNTING		B3		AT 1/2 LOAD		91.5 %										
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD		93.5 %										
NDE/DE BRG. No.		6313C3 / 6316C3		AT FULL LOAD		94.5 %										
BRG. LUBRICATION		MOBIL Polyrex EM		POWER FACTOR												
PROTECTION GRADE		IP55		AT 1/2 LOAD		65.5 %										
SERVICE FACTOR		1.0		AT 3/4 LOAD		75.5 %										
DRIVE		DIRECT COUPLED		AT FULL LOAD		80.5 %										
SHAFT				TORQUE												
EXTENSION		SINGLE		FULL LOAD		45 kg-m										
EXTERNAL THRUST		N/A				441.5 N-m										
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)				LOCKED ROTOR		140 %										
NO-LOAD		N/A		BREAKDOWN		190 %										
VIBRATION		N/A		MOTOR GD ²		7.383 kg-m ²										
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD ² AT MOTOR SHAFT		372.9 kg-m ²										
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT		795 kg										
				PAINTING		0.5PB 3.2/4.4 (URETHANE)										
ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS												
TEMPERATURE DETECTOR				OUTLINE DIMENSION		ES1AS30118										
WINDING		NO		CONDUIT BOX & COVER		ES1B100919										
		TYPE -		SPEED-TORQUE & CURRENT CURVE		D1ML20603										
BEARING		NO		THERMAL LIMIT & TIME-CURRENT CURVE		D1ML20603										
		TYPE -		LOAD vs POWER FACTOR & EFFICIENCY		D1ML20603										
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>2025-09-23</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	2025-09-23	S.U.LEE	J.H.CHA	Y.J.PARK
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1	2025-09-23	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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