

		INDUCTION MOTOR DATA SHEET			PROJECT No. 6828											
					MODEL No. 24EFFEB											
					L-SPEC No. DSML20701M											
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.		90L		OUTPUT		1.5 kW										
TYPE		EF		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)		1750 r/min										
RATING		S1		PRIMARY												
LOCATION		INDOOR		VOLTAGE		220/380 V										
ALTITUDE		LESS THAN 1000 m		NO LOAD CURRENT		3.2/1.9 A										
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT		6.4/3.7 A										
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT		740 %										
EXPLOSION PROOF TYPE		Ex d IIB T4		EFFICIENCY												
MOUNTING		B3		AT 1/2 LOAD		83.5 %										
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD		85.5 %										
NDE/DE BRG. No.		6204ZZ / 6205ZZ		AT FULL LOAD		86.5 %										
BRG. LUBRICATION		N/A		POWER FACTOR												
PROTECTION GRADE		IP55		AT 1/2 LOAD		56.0 %										
SERVICE FACTOR		1.0		AT 3/4 LOAD		66.0 %										
DRIVE		DIRECT COUPLED		AT FULL LOAD		71.0 %										
SHAFT				TORQUE												
EXTENSION		SINGLE		FULL LOAD		0.83 kg-m										
EXTERNAL THRUST		N/A				8.1 N-m										
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)				LOCKED ROTOR		230 %										
NO-LOAD		N/A		BREAKDOWN		280 %										
VIBRATION		N/A		MOTOR GD ²		0.024 kg-m ²										
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD ² AT MOTOR SHAFT		4 kg-m ²										
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT		41 kg										
				PAINTING		0.5PB 3.2/4.4 (URETHANE)										
ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS												
TEMPERATURE DETECTOR				OUTLINE DIMENSION		ES1AS100402										
WINDING		NO		CONDUIT BOX & COVER		ES1B100911										
		TYPE -		SPEED-TORQUE & CURRENT CURVE		DSML20701M										
BEARING		NO		THERMAL LIMIT & TIME-CURRENT CURVE		DSML20701M										
		TYPE -		LOAD vs POWER FACTOR & EFFICIENCY		DSML20701M										
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> <th>REV. NO</th> <th>DATE</th> <th>PREPARED</th> <th>CHECKED</th> <th>APPROVED</th> </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
REV. NO	DATE	PREPARED	CHECKED	APPROVED												
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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