

		INDUCTION MOTOR DATA SHEET			PROJECT No. 1489											
					MODEL No. 24TEFCFEB											
					L-SPEC No. DSML21855M											
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.		180M		OUTPUT		18.5 kW										
TYPE		TEFC		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)		1780 r/min										
RATING		S1		PRIMARY												
LOCATION		INDOOR		VOLTAGE		380 V										
ALTITUDE		LESS THAN 1000 m		NO LOAD CURRENT		15.5 A										
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT		36.6 A										
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT		680 %										
EXPLOSION PROOF TYPE		N/A		EFFICIENCY												
MOUNTING		B3		AT 1/2 LOAD		90.6 %										
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD		92.6 %										
NDE/DE BRG. No.		6310ZZ / 6312ZZ		AT FULL LOAD		93.6 %										
BRG. LUBRICATION		N/A		POWER FACTOR												
PROTECTION GRADE		IP55		AT 1/2 LOAD		67.0 %										
SERVICE FACTOR		1.15		AT 3/4 LOAD		77.0 %										
DRIVE		DIRECT COUPLED		AT FULL LOAD		82.0 %										
SHAFT				TORQUE												
EXTENSION		SINGLE		FULL LOAD		10.12 kg-m										
EXTERNAL THRUST		N/A				99.3 N-m										
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)				LOCKED ROTOR		190 %										
NO-LOAD		N/A		BREAKDOWN		240 %										
VIBRATION		N/A		MOTOR GD ²		0.874 kg-m ²										
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD ² AT MOTOR SHAFT		42 kg-m ²										
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT		223 kg										
				PAINTING		0.5PB 3.2/4.4 (URETHANE)										
ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS												
TEMPERATURE DETECTOR				OUTLINE DIMENSION		ES1AS40110										
WINDING		NO		CONDUIT BOX & COVER		ES1B100803										
		TYPE -		SPEED-TORQUE & CURRENT CURVE		DSML21855M										
BEARING		NO		THERMAL LIMIT & TIME-CURRENT CURVE		DSML21855M										
		TYPE -		LOAD vs POWER FACTOR & EFFICIENCY		DSML21855M										
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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