

		INDUCTION MOTOR DATA SHEET			PROJECT No. 1495										
					MODEL No. 24TEFCFEB										
					L-SPEC No. D1ML20424										
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		75 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)		1785 r/min										
RATING		S1	PRIMARY												
LOCATION		INDOOR	VOLTAGE		380 V										
ALTITUDE		LESS THAN 1000 m	NO LOAD CURRENT		59.0 A										
HUMIDITY		LESS THAN 80 %	FULL LOAD CURRENT		144.8 A										
AMBIENT TEMP.		40 °C	LOCKED-ROTOR CURRENT		650 %										
EXPLOSION PROOF TYPE		N/A	EFFICIENCY												
MOUNTING		B3	AT 1/2 LOAD		92.4 %										
BEARING TYPE		ANTI-FRICTION	AT 3/4 LOAD		94.4 %										
NDE/DE BRG. No.		6313C3 / 6316C3	AT FULL LOAD		95.4 %										
BRG. LUBRICATION		MOBIL Polyrex EM	POWER FACTOR												
PROTECTION GRADE		IP55	AT 1/2 LOAD		67.5 %										
SERVICE FACTOR		1.15	AT 3/4 LOAD		77.5 %										
DRIVE		DIRECT COUPLED	AT FULL LOAD		82.5 %										
SHAFT			TORQUE												
EXTENSION		SINGLE	FULL LOAD		40.9 kg-m										
EXTERNAL THRUST		N/A			401.2 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		4.799 kg-m ²										
NUMBER OF CONSECUTIVE STARTS		N/A	MAX LOAD GD ² AT MOTOR SHAFT		189.5 kg-m ²										
ROTATION(VIEWED FROM DE)		C.C.W	MOTOR APPROX. WEIGHT		550 kg										
			PAINTING		0.5PB 3.2/4.4 (URETHANE)										
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS												
TEMPERATURE DETECTOR			OUTLINE DIMENSION		ES1AS05618										
WINDING		NO	CONDUIT BOX & COVER		ES1B100805										
TYPE		-	SPEED-TORQUE & CURRENT CURVE		D1ML20424										
BEARING		NO	THERMAL LIMIT & TIME-CURRENT CURVE		D1ML20424										
TYPE		-	LOAD vs POWER FACTOR & EFFICIENCY		D1ML20424										
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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