

		INDUCTION MOTOR DATA SHEET			PROJECT No. 1517	
					MODEL No. 24TEFCFEB	
					L-SPEC No. D1ML20604	
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.		250M	OUTPUT		75 kW	
TYPE		TEFC	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)		1185 r/min	
RATING		S1	PRIMARY			
LOCATION		INDOOR	VOLTAGE		380 V	
ALTITUDE		LESS THAN 1000 m	NO LOAD CURRENT		58.5 A	
HUMIDITY		LESS THAN 80 %	FULL LOAD CURRENT		149.9 A	
AMBIENT TEMP.		40 °C	LOCKED-ROTOR CURRENT		570 %	
EXPLOSION PROOF TYPE		N/A	EFFICIENCY			
MOUNTING		B3	AT 1/2 LOAD		92.0 %	
BEARING TYPE		ANTI-FRICTION	AT 3/4 LOAD		94.0 %	
NDE/DE BRG. No.		6313C3 / 6316C3	AT FULL LOAD		95.0 %	
BRG. LUBRICATION		MOBIL Polyrex EM	POWER FACTOR			
PROTECTION GRADE		IP55	AT 1/2 LOAD		65.0 %	
SERVICE FACTOR		1.15	AT 3/4 LOAD		75.0 %	
DRIVE		DIRECT COUPLED	AT FULL LOAD		80.0 %	
SHAFT			TORQUE			
EXTENSION		SINGLE	FULL LOAD		61.6 kg-m	
EXTERNAL THRUST		N/A			604.3 N-m	
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)			LOCKED ROTOR		120 %	
NO-LOAD		N/A	BREAKDOWN		170 %	
VIBRATION		N/A	MOTOR GD ²		8.116 kg-m ²	
NUMBER OF CONSECUTIVE STARTS		N/A	MAX LOAD GD ² AT MOTOR SHAFT		420.2 kg-m ²	
ROTATION(VIEWED FROM DE)		C.C.W	MOTOR APPROX. WEIGHT		610 kg	
			PAINTING		0.5PB 3.2/4.4 (URETHANE)	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS			
TEMPERATURE DETECTOR			OUTLINE DIMENSION		ES1AS05620	
WINDING		NO	CONDUIT BOX & COVER		ES1B100805	
TYPE		-	SPEED-TORQUE & CURRENT CURVE		D1ML20604	
BEARING		NO	THERMAL LIMIT & TIME-CURRENT CURVE		D1ML20604	
TYPE		-	LOAD vs POWER FACTOR & EFFICIENCY		D1ML20604	
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	REV. NO			
<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.			DATE		APPROVED	
			1		2025-09-22	S.U.LEE

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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