

		INDUCTION MOTOR DATA SHEET			PROJECT No. 6990	
					MODEL No. 24EF-FFEB	
					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-F	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		V1	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		43 kg	
			PAINTING		0.5PB 3.2/4.4 (URETHANE)	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS			
TEMPERATURE DETECTOR			OUTLINE DIMENSION		ES1AS101502	
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				
<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.						
REV. NO		DATE	PREPARED	CHECKED	APPROVED	
1		2025-09-23	S.U.LEE	J.H.CHA	Y.J.PARK	

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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