

		INDUCTION MOTOR DATA SHEET			PROJECT No. 6046	
					MODEL No. 24TE-FFEB	
					L-SPEC No. DSML20693H	
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		15 kW	
TYPE		TE-F	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)		1180 r/min	
RATING		S1	PRIMARY			
LOCATION		INDOOR	VOLTAGE		220/380 V	
ALTITUDE		LESS THAN 1000 m	NO LOAD CURRENT		29.8/17.2 A	
HUMIDITY		LESS THAN 80 %	FULL LOAD CURRENT		55.8/32.3 A	
AMBIENT TEMP.		40 °C	LOCKED-ROTOR CURRENT		560 %	
EXPLOSION PROOF TYPE		N/A	EFFICIENCY			
MOUNTING		V1	AT 1/2 LOAD		88.7 %	
BEARING TYPE		ANTI-FRICTION	AT 3/4 LOAD		90.7 %	
NDE/DE BRG. No.		6310ZZ / 6312ZZ	AT FULL LOAD		91.7 %	
BRG. LUBRICATION		N/A	POWER FACTOR			
PROTECTION GRADE		IP55	AT 1/2 LOAD		62.0 %	
SERVICE FACTOR		1.15	AT 3/4 LOAD		72.0 %	
DRIVE		DIRECT COUPLED	AT FULL LOAD		77.0 %	
SHAFT			TORQUE			
EXTENSION		SINGLE	FULL LOAD		12.38 kg-m	
EXTERNAL THRUST		N/A			121.4 N-m	
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)			LOCKED ROTOR		160 %	
NO-LOAD		N/A	BREAKDOWN		210 %	
VIBRATION		N/A	MOTOR GD ²		1.46 kg-m ²	
NUMBER OF CONSECUTIVE STARTS		N/A	MAX LOAD GD ² AT MOTOR SHAFT		80.5 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		ES1AS40210	
WINDING		NO	CONDUIT BOX & COVER		ES1B100803	
TYPE		-	SPEED-TORQUE & CURRENT CURVE		DSML20693H	
BEARING		NO	THERMAL LIMIT & TIME-CURRENT CURVE		DSML20693H	
TYPE		-	LOAD vs POWER FACTOR & EFFICIENCY		DSML20693H	
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		2025-09-22	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)

A4(210X297)

