

		INDUCTION MOTOR DATA SHEET		PROJECT No. 27882	
				MODEL No. 17TEFCJUN	
				L-SPEC No. DSML1565H	
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 0.75 kW (1 HP)	
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 50 Hz		
RES. METHOD		105 K (at S.F:1.0)		SPEED (AT FULL LOAD) 945 r/min	
RATING		S1		PRIMARY	
LOCATION		INDOOR		VOLTAGE 380 V	
ALTITUDE		LESS THAN 1000 m		NO LOAD CURRENT 2 A	
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT 2.5 A	
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT 550 %	
EXPLOSION PROOF TYPE		N/A		EFFICIENCY	
MOUNTING		B3		AT 1/2 LOAD 69 %	
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD 71 %	
NDE/DE BRG. No.		6204ZZ / 6205ZZ		AT FULL LOAD 72 %	
BRG. LUBRICATION		N/A		POWER FACTOR	
PROTECTION GRADE		IP55		AT 1/2 LOAD 48.5 %	
SERVICE FACTOR		1.0		AT 3/4 LOAD 58.5 %	
DRIVE		DIRECT COUPLED		AT FULL LOAD 63.5 %	
SHAFT			TORQUE		
EXTENSION		SINGLE		FULL LOAD 0.77 kg-m	
EXTERNAL THRUST		N/A		7.6 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 0.023 kg-m ²	
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD ² AT MOTOR SHAFT 6.4 kg-m ²	
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT 24 kg	
PAINING		7.5BG 5/2 (ENAMEL)			
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION ES1AS00002		
WINDING		NO		CONDUIT BOX & COVER ES1B100101	
TYPE		-		SPEED-TORQUE & CURRENT CURVE DSML1565H	
BEARING		NO		THERMAL LIMIT & TIME-CURRENT CURVE DSML1565H	
TYPE		-		LOAD vs POWER FACTOR & EFFICIENCY DSML1565H	
SPACE HEATER		NO			
RATING		-			
APPLICATION STANDARDS		IEC60034-1			
<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.

SUBMITTAL DRAWINGS

<REMARKS>

1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.

REV. NO	DATE	PREPARED	CHECKED	APPROVED
1	2021-03-16	S.U.LEE	J.H.CHA	T.H.KIM

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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