

HYOSUNG HEAVY INDUSTRIES		INDUCTION MOTOR DATA SHEET		PROJECT No. 5855					
				MODEL No. 24TEFCFEB					
				L-SPEC No. DSML21422M					
SHEET 1 OF 1		CUSTOMER							
FOR INFORMATION		JOB NO.		ITEM No.					
SERVICE		SITE		QUANTITY					
GENERAL DATA			PERFORMANCE DATA						
FRAME No.		80M		OUTPUT 0.75 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) 1735 r/min					
RATING		S1		PRIMARY					
LOCATION		INDOOR		VOLTAGE 220/380 V					
ALTITUDE		LESS THAN 1000 m		NO LOAD CURRENT 1.9/1.1 A					
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT 3.3/1.9 A					
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT 660 %					
EXPLOSION PROOF TYPE		N/A		EFFICIENCY					
MOUNTING		B3		AT 1/2 LOAD 80.5 %					
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD 82.5 %					
NDE/DE BRG. No.		6203ZZ / 6204ZZ		AT FULL LOAD 83.5 %					
BRG. LUBRICATION		N/A		POWER FACTOR					
PROTECTION GRADE		IP55		AT 1/2 LOAD 57.5 %					
SERVICE FACTOR		1.15		AT 3/4 LOAD 67.5 %					
DRIVE		DIRECT COUPLED		AT FULL LOAD 72.5 %					
SHAFT			TORQUE						
EXTENSION		SINGLE		FULL LOAD 0.42 kg-m					
EXTERNAL THRUST		N/A		4.1 N-m					
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)			LOCKED ROTOR 200 %						
NO-LOAD		N/A		BREAKDOWN 250 %					
VIBRATION		N/A		MOTOR GD² 0.013 kg-m²					
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD² AT MOTOR SHAFT 2.3 kg-m²					
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT 19 kg					
ACCESSORIES (OPTIONAL)			PAINTING 0.5PB 3.2/4.4 (URETHANE)						
SUBMITTAL DRAWINGS									
TEMPERATURE DETECTOR			OUTLINE DIMENSION ES1AS40101						
WINDING			CONDUIT BOX & COVER ES1B100801						
TYPE			-						
BEARING			SPEED-TORQUE & CURRENT CURVE DSML21422M						
TYPE			-						
SPACE HEATER			THERMAL LIMIT & TIME-CURRENT CURVE DSML21422M						
RATING			-						
			LOAD vs POWER FACTOR & EFFICIENCY DSML21422M						
APPLICATION STANDARDS IEC60034-1, ISO 3746			<REMARKS>						
<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.			1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.						
			2. PREMIUM EFFICIENCY TYPE MOTOR						
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)

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