

HYOSUNG HEAVY INDUSTRIES		INDUCTION MOTOR DATA SHEET		PROJECT No. 1515					
				MODEL No. 24TEFCFEB					
				L-SPEC No. D1ML20602					
SHEET 1 OF 1		CUSTOMER							
FOR INFORMATION		JOB NO.		ITEM No.					
SERVICE		SITE		QUANTITY					
GENERAL DATA			PERFORMANCE DATA						
FRAME No.		225S		OUTPUT 45 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) 1190 r/min					
RATING		S1		PRIMARY					
LOCATION		INDOOR		VOLTAGE 380 V					
ALTITUDE		LESS THAN 1000 m		NO LOAD CURRENT 44.4 A					
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT 91.6 A					
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT 670 %					
EXPLOSION PROOF TYPE		N/A		EFFICIENCY					
MOUNTING		B3		AT 1/2 LOAD 91.5 %					
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD 93.5 %					
NDE/DE BRG. No.		6312C3 / 6314C3		AT FULL LOAD 94.5 %					
BRG. LUBRICATION		MOBIL Polyrex EM		POWER FACTOR					
PROTECTION GRADE		IP55		AT 1/2 LOAD 64.0 %					
SERVICE FACTOR		1.15		AT 3/4 LOAD 74.0 %					
DRIVE		DIRECT COUPLED		AT FULL LOAD 79.0 %					
SHAFT			TORQUE						
EXTENSION		SINGLE		FULL LOAD 36.8 kg-m					
EXTERNAL THRUST		N/A		361.0 N-m					
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)			LOCKED ROTOR 120 %						
NO-LOAD		N/A		BREAKDOWN 270 %					
VIBRATION		N/A		MOTOR GD² 4.492 kg-m²					
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD² AT MOTOR SHAFT 334.8 kg-m²					
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT 390 kg					
ACCESSORIES (OPTIONAL)			PAINTING 0.5PB 3.2/4.4 (URETHANE)						
TEMPERATURE DETECTOR			SUBMITTAL DRAWINGS						
WINDING		NO		OUTLINE DIMENSION ES1AS05616					
TYPE		-		CONDUIT BOX & COVER ES1B100804					
BEARING		NO		SPEED-TORQUE & CURRENT CURVE D1ML20602					
TYPE		-		THERMAL LIMIT & TIME-CURRENT CURVE D1ML20602					
SPACE HEATER		NO		LOAD vs POWER FACTOR & EFFICIENCY D1ML20602					
RATING		-		<REMARKS>					
APPLICATION STANDARDS		IEC60034-1, ISO 3746		1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.					
<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.				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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