

HYOSUNG HEAVY INDUSTRIES		INDUCTION MOTOR DATA SHEET		PROJECT No. 1496	
				MODEL No. 24TEFCFEB	
				L-SPEC No. D1ML20425	
SHEET 1 OF 1		CUSTOMER			
FOR INFORMATION		JOB NO.		ITEM No.	
SERVICE		SITE		QUANTITY	
GENERAL DATA			PERFORMANCE DATA		
FRAME No.		250M		OUTPUT 90 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) 1785 r/min	
RATING		S1		PRIMARY	
LOCATION		INDOOR		VOLTAGE 380 V	
ALTITUDE		LESS THAN 1000 m		NO LOAD CURRENT 70.8 A	
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT 173.7 A	
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT 630 %	
EXPLOSION PROOF TYPE		N/A		EFFICIENCY	
MOUNTING		B3		AT 1/2 LOAD 92.4 %	
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD 94.4 %	
NDE/DE BRG. No.		6313C3 / 6316C3		AT FULL LOAD 95.4 %	
BRG. LUBRICATION		MOBIL Polyrex EM		POWER FACTOR	
PROTECTION GRADE		IP55		AT 1/2 LOAD 67.5 %	
SERVICE FACTOR		1.15		AT 3/4 LOAD 77.5 %	
DRIVE		DIRECT COUPLED		AT FULL LOAD 82.5 %	
SHAFT			TORQUE		
EXTENSION		SINGLE		FULL LOAD 49.1 kg-m	
EXTERNAL THRUST		N/A		481.7 N-m	
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)			LOCKED ROTOR 170 %		
NO-LOAD		N/A		BREAKDOWN 220 %	
VIBRATION		N/A		MOTOR GD² 5.533 kg-m²	
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD² AT MOTOR SHAFT 210.8 kg-m²	
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT 610 kg	
ACCESSORIES (OPTIONAL)			PAINTING 0.5PB 3.2/4.4 (URETHANE)		
TEMPERATURE DETECTOR			SUBMITTAL DRAWINGS		
WINDING		NO		OUTLINE DIMENSION ES1AS05620	
TYPE		-		CONDUIT BOX & COVER ES1B100805	
BEARING		NO		SPEED-TORQUE & CURRENT CURVE D1ML20425	
TYPE		-		THERMAL LIMIT & TIME-CURRENT CURVE D1ML20425	
SPACE HEATER		NO		LOAD vs POWER FACTOR & EFFICIENCY D1ML20425	
RATING		-		<REMARKS>	
APPLICATION STANDARDS		IEC60034-1, ISO 3746		1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.	
<NOTE>				2. PREMIUM EFFICIENCY TYPE MOTOR	
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLERANCE OF APPLICATION STANDARD.				REV. NO	
2. EXCEPT FOR STATEMENTS SPECIFIED ON THIS SHEET, ANYTHING ELSE SHALL BE IN ACCORDANCE WITH MAKER STANDARD				DATE	
3. THE TEMPERATURE MEASURED AT BEARING HOUSING DOES NOT EXCEED 105°C.				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)

