

HYOSUNG HEAVY INDUSTRIES		INDUCTION MOTOR DATA SHEET		PROJECT No. 1498	
				MODEL No. 24TEFCFEB	
				L-SPEC No. D1ML20826	
SHEET 1 OF 1		CUSTOMER			
FOR INFORMATION		JOB NO.		ITEM No.	
SERVICE		SITE		QUANTITY	
GENERAL DATA			PERFORMANCE DATA		
FRAME No.		280M		OUTPUT 132 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 77.2 A	
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT 243.4 A	
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT 700 %	
EXPLOSION PROOF TYPE		N/A		EFFICIENCY	
MOUNTING		B3		AT 1/2 LOAD 92.8 %	
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD 94.8 %	
NDE/DE BRG. No.		6316C3 / 6319C3		AT FULL LOAD 95.8 %	
BRG. LUBRICATION		MOBIL Polyrex EM		POWER FACTOR	
PROTECTION GRADE		IP55		AT 1/2 LOAD 71.0 %	
SERVICE FACTOR		1.15		AT 3/4 LOAD 81.0 %	
DRIVE		DIRECT COUPLED		AT FULL LOAD 86.0 %	
SHAFT			TORQUE		
EXTENSION		SINGLE		FULL LOAD 72 kg-m	
EXTERNAL THRUST		N/A		706.3 N-m	
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)			LOCKED ROTOR 100 %		
NO-LOAD		N/A		BREAKDOWN 250 %	
VIBRATION		N/A		MOTOR GD² 10.826 kg-m²	
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD² AT MOTOR SHAFT 274.5 kg-m²	
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT 970 kg	
ACCESSORIES (OPTIONAL)			PAINTING 0.5PB 3.2/4.4 (URETHANE)		
TEMPERATURE DETECTOR			SUBMITTAL DRAWINGS		
WINDING		NO		OUTLINE DIMENSION ES1AS51724	
TYPE		-		CONDUIT BOX & COVER ES1B100806	
BEARING		NO		SPEED-TORQUE & CURRENT CURVE D1ML20826	
TYPE		-		THERMAL LIMIT & TIME-CURRENT CURVE D1ML20826	
SPACE HEATER		NO		LOAD vs POWER FACTOR & EFFICIENCY D1ML20826	
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	
				2025-09-23	
				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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