

HYOSUNG HEAVY INDUSTRIES		INDUCTION MOTOR DATA SHEET		PROJECT No. 6829	
				MODEL No. 24EFFEB	
				L-SPEC No. DSML21191M	
SHEET 1 OF 1		CUSTOMER			
FOR INFORMATION		JOB NO.		ITEM No.	
SERVICE		SITE		QUANTITY	
GENERAL DATA			PERFORMANCE DATA		
FRAME No.		100L		OUTPUT 2.2 kW	
TYPE		EF		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) 1765 r/min	
RATING		S1		PRIMARY	
LOCATION		INDOOR		VOLTAGE 220/380 V	
ALTITUDE		LESS THAN 1000 m		NO LOAD CURRENT 4.8/2.8 A	
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT 8.4/4.9 A	
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT 900 %	
EXPLOSION PROOF TYPE		Ex d IIB T4		EFFICIENCY	
MOUNTING		B3		AT 1/2 LOAD 86.5 %	
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD 88.5 %	
NDE/DE BRG. No.		6205ZZ / 6206ZZ		AT FULL LOAD 89.5 %	
BRG. LUBRICATION		N/A		POWER FACTOR	
PROTECTION GRADE		IP55		AT 1/2 LOAD 61.5 %	
SERVICE FACTOR		1.0		AT 3/4 LOAD 71.5 %	
DRIVE		DIRECT COUPLED		AT FULL LOAD 76.5 %	
SHAFT			TORQUE		
EXTENSION		SINGLE		FULL LOAD 1.21 kg-m	
EXTERNAL THRUST		N/A		11.9 N-m	
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)			LOCKED ROTOR 270 %		
NO-LOAD		N/A		BREAKDOWN 320 %	
VIBRATION		N/A		MOTOR GD² 0.055 kg-m²	
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD² AT MOTOR SHAFT 6.4 kg-m²	
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT 53 kg	
ACCESSORIES (OPTIONAL)			PAINTING 0.5PB 3.2/4.4 (URETHANE)		
SUBMITTAL DRAWINGS					
TEMPERATURE DETECTOR			OUTLINE DIMENSION ES1AS30103		
WINDING			NO		
TYPE			-		
BEARING			NO		
TYPE			-		
SPACE HEATER			NO		
RATING			-		
APPLICATION STANDARDS			IEC60034-1, ISO 3746		
<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.			<REMARKS> 1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE. 2. PREMIUM EFFICIENCY TYPE MOTOR		
REV. NO		DATE		PREPARED	
1		2025-09-23		S.U.LEE	
CHECKED		APPROVED			
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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