

HYOSUNG HEAVY INDUSTRIES		INDUCTION MOTOR DATA SHEET		PROJECT No. 2633					
				MODEL No. 24EF-FFEB					
				L-SPEC No. D1ML20834					
SHEET 1 OF 1		CUSTOMER							
FOR INFORMATION		JOB NO.		ITEM No.					
SERVICE		SITE		QUANTITY					
GENERAL DATA				PERFORMANCE DATA					
FRAME No.		315S		OUTPUT		150 kW			
TYPE		EF-F		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)		1790 r/min			
RATING		S1		PRIMARY					
LOCATION		INDOOR		VOLTAGE		380 V			
ALTITUDE		LESS THAN 1000 m		NO LOAD CURRENT		88.2 A			
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT		269.2 A			
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT		750 %			
EXPLOSION PROOF TYPE		Ex d IIB T4		EFFICIENCY					
MOUNTING		V1		AT 1/2 LOAD		93.2 %			
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD		95.2 %			
NDE/DE BRG. No.		6316C3 / 6222C3		AT FULL LOAD		96.2 %			
BRG. LUBRICATION		MOBIL Polyrex EM		POWER FACTOR					
PROTECTION GRADE		IP55		AT 1/2 LOAD		73.0 %			
SERVICE FACTOR		1.0		AT 3/4 LOAD		83.0 %			
DRIVE		DIRECT COUPLED		AT FULL LOAD		88.0 %			
SHAFT				TORQUE					
EXTENSION		SINGLE		FULL LOAD		81.62 kg-m			
EXTERNAL THRUST		N/A				800.7 N-m			
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)				LOCKED ROTOR		100 %			
NO-LOAD		N/A		BREAKDOWN		240 %			
VIBRATION		N/A		MOTOR GD²		15.963 kg-m²			
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD² AT MOTOR SHAFT		370.6 kg-m²			
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT		1320 kg			
ACCESSORIES (OPTIONAL)				PAINTING				0.5PB 3.2/4.4 (URETHANE)	
SUBMITTAL DRAWINGS									
TEMPERATURE DETECTOR				OUTLINE DIMENSION		ES1AS16726			
WINDING		NO		CONDUIT BOX & COVER		ES1B100919			
TYPE		-		SPEED-TORQUE & CURRENT CURVE		D1ML20834			
BEARING		NO		THERMAL LIMIT & TIME-CURRENT CURVE		D1ML20834			
TYPE		-		LOAD vs POWER FACTOR & EFFICIENCY		D1ML20834			
SPACE HEATER		NO		<REMARKS> 1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE. 2. PREMIUM EFFICIENCY TYPE MOTOR					
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.									
REV. NO		DATE		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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