

HYOSUNG HEAVY INDUSTRIES		INDUCTION MOTOR DATA SHEET		PROJECT No. 7011									
				MODEL No. 24EF-FFEB									
				L-SPEC No. DSML11046C									
SHEET 1 OF 1		CUSTOMER											
FOR INFORMATION		JOB NO.		ITEM No.									
SERVICE		SITE		QUANTITY									
GENERAL DATA			PERFORMANCE DATA										
FRAME No.		90L		OUTPUT 0.75 kW									
TYPE		EF-F		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) 1150 r/min									
RATING		S1		PRIMARY									
LOCATION		INDOOR		VOLTAGE 220/380 V									
ALTITUDE		LESS THAN 1000 m		NO LOAD CURRENT 2.9/1.6 A									
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT 3.7/2.1 A									
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT 500 %									
EXPLOSION PROOF TYPE		Ex d IIB T4		EFFICIENCY									
MOUNTING		V1		AT 1/2 LOAD 82.6 %									
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD 83.6 %									
NDE/DE BRG. No.		6204ZZ / 6205ZZ		AT FULL LOAD 82.5 %									
BRG. LUBRICATION		N/A		POWER FACTOR									
PROTECTION GRADE		IP55		AT 1/2 LOAD 43.1 %									
SERVICE FACTOR		1.0		AT 3/4 LOAD 55.5 %									
DRIVE		DIRECT COUPLED		AT FULL LOAD 64.5 %									
SHAFT			TORQUE										
EXTENSION		SINGLE		FULL LOAD 0.64 kg-m									
EXTERNAL THRUST		N/A		6.3 N-m									
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)			LOCKED ROTOR 170 %										
NO-LOAD		N/A		BREAKDOWN 265 %									
VIBRATION		N/A		MOTOR GD² 0.026 kg-m²									
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD² AT MOTOR SHAFT 2.9 kg-m²									
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT 43 kg									
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS										
TEMPERATURE DETECTOR			OUTLINE DIMENSION ES1AS101502										
WINDING		NO		CONDUIT BOX & COVER ES1B100911									
TYPE		-		SPEED-TORQUE & CURRENT CURVE DSML11046C									
BEARING		NO		THERMAL LIMIT & TIME-CURRENT CURVE DSML11046C									
TYPE		-		LOAD vs POWER FACTOR & EFFICIENCY DSML11046C									
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	