

HYOSUNG HEAVY INDUSTRIES		INDUCTION MOTOR DATA SHEET		PROJECT No. 2465	
				MODEL No. 24EFFEB	
				L-SPEC No. D1ML7757	
SHEET 1 OF 1		CUSTOMER			
FOR INFORMATION		JOB NO.		ITEM No.	
SERVICE		SITE		QUANTITY	
GENERAL DATA			PERFORMANCE DATA		
FRAME No.		200L		OUTPUT 45 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) 1780 r/min	
RATING		S1		PRIMARY	
LOCATION		INDOOR		VOLTAGE 380 V	
ALTITUDE		LESS THAN 1000 m		NO LOAD CURRENT 39.2 A	
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT 88.3 A	
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT 630 %	
EXPLOSION PROOF TYPE		Ex d IIB T4		EFFICIENCY	
MOUNTING		B3		AT 1/2 LOAD 92.0 %	
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD 94.0 %	
NDE/DE BRG. No.		6212C3 / 6313C3		AT FULL LOAD 95.0 %	
BRG. LUBRICATION		MOBIL Polyrex EM		POWER FACTOR	
PROTECTION GRADE		IP55		AT 1/2 LOAD 66.5 %	
SERVICE FACTOR		1.0		AT 3/4 LOAD 76.5 %	
DRIVE		DIRECT COUPLED		AT FULL LOAD 81.5 %	
SHAFT			TORQUE		
EXTENSION		SINGLE		FULL LOAD 24.6 kg-m	
EXTERNAL THRUST		N/A		241.3 N-m	
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)			LOCKED ROTOR 200 %		
NO-LOAD		N/A		BREAKDOWN 250 %	
VIBRATION		N/A		MOTOR GD² 1.603 kg-m²	
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD² AT MOTOR SHAFT 75.5 kg-m²	
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT 395 kg	
ACCESSORIES (OPTIONAL)			PAINTING 0.5PB 3.2/4.4 (URETHANE)		
SUBMITTAL DRAWINGS					
TEMPERATURE DETECTOR			OUTLINE DIMENSION ES1AS30114		
WINDING			CONDUIT BOX & COVER ES1B100916		
TYPE			-		
BEARING			SPEED-TORQUE & CURRENT CURVE D1ML7757		
TYPE			-		
SPACE HEATER			THERMAL LIMIT & TIME-CURRENT CURVE D1ML7757		
RATING			-		
APPLICATION STANDARDS IEC60034-1, ISO 3746			LOAD vs POWER FACTOR & EFFICIENCY D1ML7757		
<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 CHECKED APPROVED		
			1 2025-09-23 S.U.LEE J.H.CHA Y.J.PARK		