

HYOSUNG HEAVY INDUSTRIES		INDUCTION MOTOR DATA SHEET		PROJECT No. 1661	
				MODEL No. 24TE-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		TE-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		N/A		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		1.15		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 1200 kg	
ACCESSORIES (OPTIONAL)			PAINTING 0.5PB 3.2/4.4 (URETHANE)		
SUBMITTAL DRAWINGS					
TEMPERATURE DETECTOR			OUTLINE DIMENSION ES1AS58526		
WINDING NO			CONDUIT BOX & COVER ES1B100806		
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>		
RATING -			1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.		
APPLICATION STANDARDS IEC60034-1, ISO 3746			2. PREMIUM EFFICIENCY TYPE MOTOR		
<NOTE>					
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLERANCE OF APPLICATION STANDARD.			REV. NO DATE PREPARED CHECKED APPROVED		
2. EXCEPT FOR STATEMENTS SPECIFIED ON THIS SHEET, ANYTHING ELSE SHALL BE IN ACCORDANCE WITH MAKER STANDARD			1 2025-09-23 S.U.LEE J.H.CHA Y.J.PARK		
3. THE TEMPERATURE MEASURED AT BEARING HOUSING DOES NOT EXCEED 105°C.					