

HYOSUNG HEAVY INDUSTRIES		INDUCTION MOTOR DATA SHEET		PROJECT No. 1660					
				MODEL No. 24TE-FFEB					
				L-SPEC No. D1ML20826					
SHEET 1 OF 1		CUSTOMER							
FOR INFORMATION		JOB NO.		ITEM No.					
SERVICE		SITE		QUANTITY					
GENERAL DATA			PERFORMANCE DATA						
FRAME No.		280M		OUTPUT 132 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) 1785 r/min					
RATING		S1		PRIMARY					
LOCATION		INDOOR		VOLTAGE 380 V					
ALTITUDE		LESS THAN 1000 m		NO LOAD CURRENT 77.2 A					
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT 243.4 A					
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT 700 %					
EXPLOSION PROOF TYPE		N/A		EFFICIENCY					
MOUNTING		V1		AT 1/2 LOAD 92.8 %					
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD 94.8 %					
NDE/DE BRG. No.		6316C3 / 6319C3		AT FULL LOAD 95.8 %					
BRG. LUBRICATION		MOBIL Polyrex EM		POWER FACTOR					
PROTECTION GRADE		IP55		AT 1/2 LOAD 71.0 %					
SERVICE FACTOR		1.15		AT 3/4 LOAD 81.0 %					
DRIVE		DIRECT COUPLED		AT FULL LOAD 86.0 %					
SHAFT			TORQUE						
EXTENSION		SINGLE		FULL LOAD 72 kg-m					
EXTERNAL THRUST		N/A		706.3 N-m					
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)			LOCKED ROTOR 100 %						
NO-LOAD		N/A		BREAKDOWN 250 %					
VIBRATION		N/A		MOTOR GD² 10.826 kg-m²					
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD² AT MOTOR SHAFT 274.5 kg-m²					
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT 970 kg					
ACCESSORIES (OPTIONAL)			PAINTING 0.5PB 3.2/4.4 (URETHANE)						
SUBMITTAL DRAWINGS									
TEMPERATURE DETECTOR			OUTLINE DIMENSION ES1AS58524						
WINDING			NO						
TYPE			-						
BEARING			NO						
TYPE			-						
SPACE HEATER			NO						
RATING			-						
APPLICATION STANDARDS IEC60034-1, ISO 3746			THERMAL LIMIT & TIME-CURRENT CURVE D1ML20826						
<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.			LOAD vs POWER FACTOR & EFFICIENCY D1ML20826						
			<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	