

HYOSUNG HEAVY INDUSTRIES		INDUCTION MOTOR DATA SHEET		PROJECT No. 6017	
				MODEL No. 24TE-FFEB	
				L-SPEC No. DSML21422M	
SHEET 1 OF 1		CUSTOMER			
FOR INFORMATION		JOB NO.		ITEM No.	
SERVICE		SITE		QUANTITY	
GENERAL DATA			PERFORMANCE DATA		
FRAME No.		80M		OUTPUT 0.75 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) 1735 r/min	
RATING		S1		PRIMARY	
LOCATION		INDOOR		VOLTAGE 220/380 V	
ALTITUDE		LESS THAN 1000 m		NO LOAD CURRENT 1.9/1.1 A	
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT 3.3/1.9 A	
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT 660 %	
EXPLOSION PROOF TYPE		N/A		EFFICIENCY	
MOUNTING		V1		AT 1/2 LOAD 80.5 %	
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD 82.5 %	
NDE/DE BRG. No.		6203ZZ / 6204ZZ		AT FULL LOAD 83.5 %	
BRG. LUBRICATION		N/A		POWER FACTOR	
PROTECTION GRADE		IP55		AT 1/2 LOAD 57.5 %	
SERVICE FACTOR		1.15		AT 3/4 LOAD 67.5 %	
DRIVE		DIRECT COUPLED		AT FULL LOAD 72.5 %	
SHAFT			TORQUE		
EXTENSION		SINGLE		FULL LOAD 0.42 kg-m	
EXTERNAL THRUST		N/A		4.1 N-m	
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)			LOCKED ROTOR 200 %		
NO-LOAD		N/A		BREAKDOWN 250 %	
VIBRATION		N/A		MOTOR GD² 0.013 kg-m²	
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD² AT MOTOR SHAFT 2.3 kg-m²	
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT 34 kg	
ACCESSORIES (OPTIONAL)			PAINTING 0.5PB 3.2/4.4 (URETHANE)		
SUBMITTAL DRAWINGS					
TEMPERATURE DETECTOR			OUTLINE DIMENSION ES1AS40201		
WINDING			CONDUIT BOX & COVER ES1B100801		
TYPE			SPEED-TORQUE & CURRENT CURVE DSML21422M		
BEARING			THERMAL LIMIT & TIME-CURRENT CURVE DSML21422M		
TYPE			LOAD vs POWER FACTOR & EFFICIENCY DSML21422M		
SPACE HEATER			NO		
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.			<REMARKS> 1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE. 2. PREMIUM EFFICIENCY TYPE MOTOR		
REV. NO		DATE		PREPARED	
1		2025-09-22		S.U.LEE	
CHECKED		APPROVED			
J.H.CHA		Y.J.PARK			

