

HYOSUNG HEAVY INDUSTRIES		INDUCTION MOTOR DATA SHEET		PROJECT No. 6018					
				MODEL No. 24TE-FFEB					
				L-SPEC No. DSML20701M					
SHEET 1 OF 1		CUSTOMER							
FOR INFORMATION		JOB NO.		ITEM No.					
SERVICE		SITE		QUANTITY					
GENERAL DATA			PERFORMANCE DATA						
FRAME No.		90L		OUTPUT 1.5 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) 1750 r/min					
RATING		S1		PRIMARY					
LOCATION		INDOOR		VOLTAGE 220/380 V					
ALTITUDE		LESS THAN 1000 m		NO LOAD CURRENT 3.2/1.9 A					
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT 6.4/3.7 A					
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT 740 %					
EXPLOSION PROOF TYPE		N/A		EFFICIENCY					
MOUNTING		V1		AT 1/2 LOAD 83.5 %					
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD 85.5 %					
NDE/DE BRG. No.		6204ZZ / 6205ZZ		AT FULL LOAD 86.5 %					
BRG. LUBRICATION		N/A		POWER FACTOR					
PROTECTION GRADE		IP55		AT 1/2 LOAD 56.0 %					
SERVICE FACTOR		1.15		AT 3/4 LOAD 66.0 %					
DRIVE		DIRECT COUPLED		AT FULL LOAD 71.0 %					
SHAFT			TORQUE						
EXTENSION		SINGLE		FULL LOAD 0.83 kg-m					
EXTERNAL THRUST		N/A		8.1 N-m					
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)			LOCKED ROTOR 230 %						
NO-LOAD		N/A		BREAKDOWN 280 %					
VIBRATION		N/A		MOTOR GD² 0.024 kg-m²					
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD² AT MOTOR SHAFT 4 kg-m²					
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT 38 kg					
ACCESSORIES (OPTIONAL)			PAINTING 0.5PB 3.2/4.4 (URETHANE)						
TEMPERATURE DETECTOR			SUBMITTAL DRAWINGS						
WINDING		NO		OUTLINE DIMENSION ES1AS40202					
TYPE		-		CONDUIT BOX & COVER ES1B100801					
BEARING		NO		SPEED-TORQUE & CURRENT CURVE DSML20701M					
TYPE		-		THERMAL LIMIT & TIME-CURRENT CURVE DSML20701M					
SPACE HEATER		NO		LOAD vs POWER FACTOR & EFFICIENCY DSML20701M					
RATING		-		<REMARKS>					
APPLICATION STANDARDS		IEC60034-1, ISO 3746		1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.					
<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.				2. PREMIUM EFFICIENCY TYPE MOTOR					
REV. NO		DATE		PREPARED		CHECKED		APPROVED	
1		2025-09-22		S.U.LEE		J.H.CHA		Y.J.PARK	

Data are subject to change without notice.(설계 개선 및 제작 환경에 따라 사전 공지 없이 특성 사양치 변경될 수 있음)

A4(210X297)

