

HYOSUNG HEAVY INDUSTRIES		INDUCTION MOTOR DATA SHEET		PROJECT No. 1491									
				MODEL No. 24TEFCFEB									
				L-SPEC No. DSML21196M									
SHEET 1 OF 1		CUSTOMER											
FOR INFORMATION		JOB NO.		ITEM No.									
SERVICE		SITE		QUANTITY									
GENERAL DATA			PERFORMANCE DATA										
FRAME No.		180L		OUTPUT 30 kW									
TYPE		TEFC		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 29.9 A									
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT 60.2 A									
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT 680 %									
EXPLOSION PROOF TYPE		N/A		EFFICIENCY									
MOUNTING		B3		AT 1/2 LOAD 91.1 %									
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD 93.1 %									
NDE/DE BRG. No.		6310ZZ / 6312ZZ		AT FULL LOAD 94.1 %									
BRG. LUBRICATION		N/A		POWER FACTOR									
PROTECTION GRADE		IP55		AT 1/2 LOAD 65.0 %									
SERVICE FACTOR		1.15		AT 3/4 LOAD 75.5 %									
DRIVE		DIRECT COUPLED		AT FULL LOAD 80.5 %									
SHAFT			TORQUE										
EXTENSION		SINGLE		FULL LOAD 16.42 kg-m									
EXTERNAL THRUST		N/A		161.1 N-m									
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)			LOCKED ROTOR 190 %										
NO-LOAD		N/A		BREAKDOWN 240 %									
VIBRATION		N/A		MOTOR GD² 1.111 kg-m²									
NUMBER OF CONSECUTIVE STARTS		N/A		MAX LOAD GD² AT MOTOR SHAFT 54.2 kg-m²									
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT 238 kg									
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS										
TEMPERATURE DETECTOR			OUTLINE DIMENSION ES1AS40111										
WINDING		NO		CONDUIT BOX & COVER ES1B100803									
TYPE		-		SPEED-TORQUE & CURRENT CURVE DSML21196M									
BEARING		NO		THERMAL LIMIT & TIME-CURRENT CURVE DSML21196M									
TYPE		-		LOAD vs POWER FACTOR & EFFICIENCY DSML21196M									
SPACE HEATER		NO		<REMARKS> 1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE. 2. PREMIUM EFFICIENCY TYPE MOTOR									
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.				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)

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