

		<h1 style="text-align: center;">INDUCTION MOTOR</h1> <h2 style="text-align: center;">DATA SHEET</h2>		PROJECT No. P42-4160-201904-1163		
				HS No. 201904-6426_4000_003		
				L-SPEC No. E00003095F003		
SHEET 1 OF 1		CUSTOMER :				
FOR PROPOSAL		JOB No. : N/A		ITEM No. :		
SERVICE : N/A		SITE :		QUANTITY 1 SET		
GENERAL DATA			PERFORMANCE DATA			
FRAME No.	100L		OUTPUT	2.2 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	50 Hz		
RES. METHOD	80 K (at S.F.:1.0)		SPEED (AT FULL LOAD)	1455 r/min		
RATING	S1		PRIMARY			
LOCATION	INDOOR		VOLTAGE	220 / 380 V		
ALTITUDE	LESS THAN 1000 m		NO LOAD CURRENT	4.5 / 2.6 A		
HUMIDITY	LESS THAN 80 %		FULL LOAD CURRENT	9.5 / 5.5 A		
AMBIENT TEMP.	40 °C		LOCKED-ROTOR CURRENT	750 %		
EXPLOSION PROOF TYPE	N/A		EFFICIENCY			
MOUNTING	B5		AT 1/2 LOAD	77.7 %		
BEARING TYPE	ANTI-FRICTION		AT 3/4 LOAD	79.7 %		
NDE/DE BRG. No.	6205ZZ / 6206ZZ		AT FULL LOAD	80.7 %		
BRG. LUBRICATION	N/A		POWER FACTOR			
PROTECTION GRADE	IP55		AT 1/2 LOAD	60.5 %		
SERVICE FACTOR	1.0		AT 3/4 LOAD	70.5 %		
DRIVE	DIRECT COUPLED		AT FULL LOAD	75.5 %		
SHAFT			TORQUE			
EXTENSION	SINGLE		FULL LOAD	1.47 kg-m		
EXTERNAL THRUST	N/A			14.4 N-m		
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)			LOCKED ROTOR	250 %		
NO-LOAD	STANDARD		BREAKDOWN	300 %		
VIBRATION	1.6 mm/s (r.m.s)		MOTOR GD ²	0.055 kg-m ²		
NUMBER OF CONSECUTIVE STARTS	COLD : 2 / HOT : 1 (4P)		MAX LOAD GD ² AT MOTOR SHAFT	6.4 kg-m ²		
ROTATION(VIEWED FROM DE)	C.C.W		MOTOR APPROX. WEIGHT	43 kg		
			PAINTING	0.5PB 3.2/4.4 (ENAMEL)		
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS			
TEMPERATURE DETECTOR			OUTLINE DIMENSION	ES1AS33103		
WINDING	NO		CONDUIT BOX & COVER	ES1B100101		
TYPE	N/A		SPEED-TORQUE & CURRENT CURVE	1STP42-4160-201904-1163		
BEARING	NO		THERMAL LIMIT & TIME-CURRENT	1TLP42-4160-201904-1163		
TYPE	N/A		LOAD vs POWER & EFFICIENCY	1PEP42-4160-201904-1163		
SPACE HEATER	NO		<REMARKS> 1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE. 2. HIGH EFFICIENCY TYPE MOTOR			
RATING	N/A					
APPLICATION STANDARDS						
IEC60034-1						
< 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'S STANDARD. 3. THE TEMPERATURE MEASURED AT BEARING HOUSING DOES NOT EXCEED 105			0	2019-05-10	S.U.LEE	
			J.H.CHA	T.H.KIM		
			REV. NO	DATE	PREPARED	CHECKED