

		<h1 style="text-align: center;">INDUCTION MOTOR</h1> <h2 style="text-align: center;">DATA SHEET</h2>		PROJECT No.		P42-4160-201904-1164			
				HS No.		201904-6427_5000_004			
				L-SPEC No.		E00003072F003			
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.		132S		OUTPUT		3 kW			
TYPE		TEFC		POLES		6 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)		970 r/min			
RATING		S1		PRIMARY					
LOCATION		INDOOR		VOLTAGE		380 V			
ALTITUDE		LESS THAN 1000 m		NO LOAD CURRENT		3.5 A			
HUMIDITY		LESS THAN 80 %		FULL LOAD CURRENT		7.4 A			
AMBIENT TEMP.		40 °C		LOCKED-ROTOR CURRENT		650 %			
EXPLOSION PROOF TYPE		N/A		EFFICIENCY					
MOUNTING		B3		AT 1/2 LOAD		80.3 %			
BEARING TYPE		ANTI-FRICTION		AT 3/4 LOAD		82.3 %			
NDE/DE BRG. No.		6207ZZ / 6208ZZ		AT FULL LOAD		83.3 %			
BRG. LUBRICATION		N/A		POWER FACTOR					
PROTECTION GRADE		IP55		AT 1/2 LOAD		59.0 %			
SERVICE FACTOR		1.0		AT 3/4 LOAD		69.0 %			
DRIVE		DIRECT COUPLED		AT FULL LOAD		74.0 %			
SHAFT				TORQUE					
EXTENSION		SINGLE		FULL LOAD		3.01 kg-m			
EXTERNAL THRUST		N/A				29.5 N-m			
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)				LOCKED ROTOR		150 %			
NO-LOAD		STANDARD		BREAKDOWN		200 %			
VIBRATION		1.6 mm/s (r.m.s)		MOTOR GD ²		0.233 kg-m ²			
NUMBER OF CONSECUTIVE STARTS		COLD : 2 / HOT : 1 (6P)		MAX LOAD GD ² AT MOTOR SHAFT		16.1 kg-m ²			
ROTATION(VIEWED FROM DE)		C.C.W		MOTOR APPROX. WEIGHT		73 kg			
				PAINTING		0.5PB 3.2/4.4 (ENAMEL)			
ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS					
TEMPERATURE DETECTOR				OUTLINE DIMENSION		ES1AS33106			
WINDING		NO		CONDUIT BOX & COVER		ES1B100102			
TYPE		N/A		SPEED-TORQUE & CURRENT CURVE		1STP42-4160-201904-1164			
BEARING		NO		THERMAL LIMIT & TIME-CURRENT		1TLP42-4160-201904-1164			
TYPE		N/A		LOAD vs POWER & EFFICIENCY		1PEP42-4160-201904-1164			
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		2019-05-13		S.U.LEE	
				REV. NO		DATE		PREPARED	
				J.H.CHA		T.H.KIM			
				CHECKED		APPROVED			