

		<h1 style="text-align: center;">INDUCTION MOTOR DATA SHEET</h1>			PROJECT No.	10097791_0001		
					MODEL No.	HMB01010004201		
					L-SPEC No.	DMB0120918H001		
SHEET 1 OF 1		CUSTOMER : EBARA						
FOR APPROVAL		JOB No. :		ITEM No. :				
SERVICE : PUMP		SITE : Tanjung Jati		QUANTITY 4 SETS				
GENERAL DATA				PERFORMANCE DATA				
FRAME No.	710		OUTPUT	7250 kW				
TYPE	TEWAC		POLES	4 P				
ENCLOSURE	TE		ROTOR TYPE	SQUIRREL CAGE				
COOLING METHOD	WAC(IC81W)		STARTING METHOD	DIRECT ON LINE				
INSULATION CLASS	F CLASS		PHASE	3 PHASE				
TEMP. RISE AT FULL LOAD			FREQUENCY	50 Hz				
RES. METHOD	B CLASS		SPEED (AT FULL LOAD)	1490 r/min				
RATING	S1		PRIMARY					
LOCATION	INDOOR		VOLTAGE	10000 V				
ALTITUDE	1,000 m		NO LOAD CURRENT	84.5 A				
HUMIDITY	100%		FULL LOAD CURRENT	479.3 A				
AMBIENT TEMP. (MAX)	40 °C		LOCKED-ROTOR CURRENT	500 %				
EXPLOSION PROOF TYPE	N/A		EFFICIENCY					
MOUNTING	B3		AT 1/2 LOAD	95.6 %				
BEARING TYPE	SLEEVE		AT 3/4 LOAD	96.2 %				
NDE/DE BRG. No.	EF 22-250 / EF 22-250		AT FULL LOAD	96.5 %				
BRG. LUBRICATION	OIL FORCED		POWER FACTOR					
PROTECTION GRADE	IP55		AT 1/2 LOAD	89.0 %				
SERVICE FACTOR	1.0		AT 3/4 LOAD	90.0 %				
DRIVE	DIRECT COUPLED		AT FULL LOAD	90.5 %				
SHAFT			TORQUE					
EXTENSION	DOUBLE		FULL LOAD	46444.8 N-m				
EXTERNAL THRUST	N/A		LOCKED ROTOR	60 %				
NOISE LEVEL(MEAN VALUE AT 1.0m FROM MOTOR)			BREAKDOWN	160 %				
NO-LOAD	79 dB(A)		MOTOR GD ²	1736.9 kg-m ²				
VIBRATION	BELOW 1.5mm/s(rms)		MAX LOAD GD ² AT MOTOR SHAFT	5000.0 kg-m ²				
No. OF CONSECUTIVE STARTS	COLD : 2 / HOT : 1		MOTOR APPROX. WEIGHT	22700 kg				
ROTATION(VIEWED FROM DE)	C.C.W(FROM D.E)		PAINTING	RAL 7035				
ACCESSORIES (OPTIONAL)				<REMARKS>				
TEMPERATURE DETECTOR				<ol style="list-style-type: none"> ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE. THE INSULATING COUPLING SHOULD BE USED ON THE BOOSTER PUMP END SIDE. 3NOS. CTS WILL BE DELIVERED AS LOOSE PARTS. COOLING WATER TEMP : 37°C 				
WINDING		YES(6EA/SET)						
TYPE	PT 100 OHM,SINGLE							
BEARING		YES(2EA/SET)						
TYPE	PT 100 OHM,DUAL,HEAD TYPE							
INNER AIR		YES(1EA/SET)						
TYPE	PT 100 OHM,DUAL,HEAD TYPE							
SPACE HEATER		YES						
RATING	1PH 220V 700W							
CURRENT TRANSFORMER		YES(3EA/SET)						
RATING	CLASS 5P20, 600:1							
VIBRATION SENSOR		4- PROVISION ONLY						
WATER LEAKAGE DETECTOR		YES(1EA/MOTOR)						
APPLICATION STANDARD								
IEC60034-1								
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLERANCE OF APPLICATION STANDARD. NOISE LEVEL WITH TOLERANCE OF +3dB(A). 2. EXCEPT FOR STATEMENTS SPECIFIED ON THIS SHEET, ANYTHING ELSE SHALL BE IN ACCORDANCE WITH MAKER STANDARD.				5	28-Feb-19	Y.H.JEONG	W.B.JEONG	J.H.SHIN
				4	12-Nov-18	Y.H.JEONG	W.B.JEONG	J.H.SHIN
				3	20-Jun-18	Y.H.JEONG	W.B.JEONG	J.H.SHIN
				REV. No.	DATE	PREPARED	CHECKED	APPROVED