

		INDUCTION MOTOR DATA SHEET		10 HP - 4 P	
MODEL: -		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		132M		OUTPUT 7.5 kW 10 HP	
ENCLOSURE	☐ DRIP PROOF		POLES 4 POLES		
	☒ TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE		
	☐ Increased Safety Exp.-proof		☒ D.O.L ☐ Y-△		
PROTECTION	IP 44		STARTING METHOD ☐ REACTOR(%TAP) ☐ V.V.V.F		
METHODS OF COOLING	☐ SC ☒ FC ☐		☐ SOFT-STARTER		
PHASE	3 PHASE		RATED VOLTAGE 220 V 380 V - V		
SERVICE FACTOR	1.0		FREQUENCY 60 Hz		
INSULATION CLASS	F CLASS		CURRENT		
TEMP. RISE AT FULL LOAD (at S.F 1.0)		NO LOAD 13.0 A 7.5 A - A			
RES. METHOD 100 °C		FULL LOAD 26.0 A 15.1 A - A			
THERMO. METHOD °C		STARTING 169.0 A 97.9 A - A			
LOCATION	☒ INDOOR ☐ OUTDOOR		EFFICIENCY		
ALTITUDE	1000 m		AT 1/2 LOAD %		
HUMIDITY	90 %		AT 3/4 LOAD %		
AMBIENT TEMPERATURE	-10~40 °C		AT FULL LOAD 87.5 %		
RATING	☒ CONT. ☐ %ED		POWER FACTOR		
NEMA DESIGN	B		AT 1/2 LOAD %		
MOUNTING	☒ B3 ☐ B5 ☐ V1 ☐ B3B5		AT 3/4 LOAD %		
BEARING	TYPE	BALL		AT FULL LOAD 86.5 %	
	DEIN-DE	6208ZZ/6206ZZ		SPEED (AT FULL LOAD) 1730 rpm	
	LUBRICANT	TORQUE			
COUPLING METHOD	☒ DIRECT ☐ V-BELT		FULL LOAD 4.2 kg-m 100%		
ROTATION(Facing Drive End)	☒ CW ☒ CCW		LOCKED ROTOR 6.8 kg-m 160%		
SHAFT	EXTENSION SINGLE		BREAKDOWN 8.4 kg-m 200%		
	EXTERNAL THRUST		NOISE LEVEL 77.0 dB(A)		
			VIBRATION 30.0 μm		
TERMINAL BOX		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
MAIN ☐ STEEL ☒ AL ☐ CAST		(AT DIRECT ON-LINE)		29.3 kg-m ²	
AUX. ☐ YES ☒ NO		Motor GD ²		0.1434 kg-m ²	
BOX LOCATION LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		70.0 kg	
APPLICATION STANDARDS	IEC, KS		PAINTING	MUNSELL NO.	7.1B4.0/0.9 (GRAY)
			THICKNESS	☒ STANDARD ☐ μm	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR					
WINDING					
TYPE					
BEARING					
TYPE					
SPACE HEATER					
RATING					
NOTE			REMARKS		
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE					
GUARANTEED WITH TOLERANCE OF APPLICATION STANDARDS.					
2. OTHERS NOT MENTIONED IN THIS SHEET SHALL BE					
IN ACCORDANCE WITH OTIS STANDARD.					
TE : TOTALLY ENCLOSED DP : DRIP PROOF		DATE	PREPARED	CHECKED	APPROVED
FC : FAN COOLED SC : SELF COOLED		2007.03.13	J.I.KO	J.H.JO	H.J.KIM