

		INDUCTION MOTOR DATA SHEET		10 HP - 6 P		
MODEL: V10HS8CTB4-PA040		CUSTOMER :		REV. NO :		
APPLICATION:		PROJECT NAME:		QUANTITY : SETS		
GENERAL DATA			PERFORMANCE DATA			
FRAME NO.		160M		OUTPUT 7.5 kW 10 HP		
ENCLOSURE	<input type="checkbox"/> DRIP PROOF		POLES 6 POLES			
	<input checked="" type="checkbox"/> TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE			
	<input type="checkbox"/> Increased Safety Exp.-proof		<input type="checkbox"/> D.O.L <input type="checkbox"/> Y- <input type="checkbox"/> V.V.V.F <input type="checkbox"/> REATOR (%TAP) <input checked="" type="checkbox"/> VECTOR DRIVE			
PROTECTION		IP 54		STARTING METHOD		
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>		RATED VOLTAGE 360V		
PHASE		3 PHASE		FREQUENCY 60 Hz 120 Hz		
SERVICE FACTOR		1.0		CURRENT		
INSULATION CLASS		F CLASS		NO LOAD 7.9 A 4.0 A		
TEMP. RISE AT FULL LOAD (at S.F 1.0)				FULL LOAD 17.0 A 15.5 A		
RES. METHOD		105		STARTING - -		
THERMO. METHOD						
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		EFFICIENCY		
ALTITUDE		1000 m		AT 1/2 LOAD % %		
HUMIDITY		90 %		AT 3/4 LOAD % %		
AMBIENT TEMPERATURE		-10-40		AT FULL LOAD 89.0 % 90.5 %		
RATING		<input type="checkbox"/> CONT. <input checked="" type="checkbox"/> 60%ED		POWER FACTOR		
NEMA DESIGN		B		AT 1/2 LOAD % %		
MOUNTING		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 3/4 LOAD % %		
BEARING	TYPE		BALL		AT FULL LOAD 79.5 % 85.5 %	
	DEW-DE		6211ZZ/6309ZZ		SPEED (AT FULL LOAD) 1146 rpm 2289 rpm	
	LUBRICANT		GREASE		TORQUE	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD 6.4 kg-m 100% 3.2 kg-m 100%		
ROTATION(Facing Drive End)		<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR - -		
SHAFT				BREAKDOWN 15.9 kg-m 250% 4.5 kg-m 130%		
EXTENSION		SINGLE		NOISE LEVEL 70.0 dB(A)		
EXTERNAL THRUST				VIBRATION 25.0 μm		
TERMINAL BOX				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT		
MAIN		<input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" type="checkbox"/> CAST		(AT DIRECT ON-LINE) 78.0 kg-m ²		
AUX.		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Motor GD ² 0.4933 kg-m ²		
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT 145.0 kg		
APPLICATION STANDARDS		IEC.KS		PAINTING		
				MUNSELL NO. N6		
				THICKNESS <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> 40 μm		
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS			
BRAKE		DC "B" TYPE		OUTLINE DIMENSION		
SPEC		AC 220V, DC 90V, 20kgf.m		Speed Vs Torque Curve		
BRAKE SENSOR :		(PNP 3)				
ENCODER		SPEC				
		PUSH PULL DC 10-30V 1024P/R				
		15 HOLLOW SHAFT				
THERMOSTAT(THERMAL PROTECTOR)						
SPEC		OPEN 145 ±5				
		CLOSE 90 ±15				
NOTE			REMARKS			
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLERANCE OF APPLICATION STANDARDS.			1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.			
2. OTHERS NOT MENTIONED IN THIS SHEET SHALL BE IN ACCORDANCE WITH OTIS STANDARD.						
TE : TOTALLY ENCLOSED		DP : DRIP PROOF		DATE	PREPARED	
FC : FAN COOLED		SC : SELF COOLED		2006-03-21	B.K.KIM	
				CHECKED	APPROVED	
				J.S.PARK	H.T.KIM	