

		INDUCTION MOTOR DATA SHEET		15 HP - 6 P	
MODEL: V15HS8CTB4-PA040		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		160L		OUTPUT 11 kW 15 HP	
ENCLOSURE	☐ DRIP PROOF		POLES 6 POLES		
	☒ TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE		
	☐ Increased Safety Exp.-proof		☐ D.O.L ☐ Y-△ ☐ V.V.V.F ☐ REATOR (%TAP) ☒ VECTOR DRIVE		
PROTECTION		IP 54		STARTING METHOD	
METHODS OF COOLING		☐ SC ☒ FC ☐		RATED VOLTAGE 360V	
PHASE		3 PHASE		FREQUENCY 60 Hz 120 Hz	
SERVICE FACTOR		1.0		CURRENT	
INSULATION CLASS		F CLASS		NO LOAD 13.5 A 12.5 A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)		RES. METHOD 105 °C		FULL LOAD 25.5 A 23.2 A	
		THERMO. METHOD °C		STARTING - -	
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 90.5 % 91.0 %	
RATING		☐ CONT. ☒ 60%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 76.5 % 83.5 %	
	DEIN-DE	6211ZZ/6309ZZ		SPEED (AT FULL LOAD) 1164 rpm 2330 rpm	
	LUBRICANT	GREASE		TORQUE	
COUPLING METHOD		☒ DIRECT ☐ V-BELT		FULL LOAD 9.2 kg-m 100% 4.6 kg-m 100%	
ROTATION(Facing Drive End)		☒ CW ☒ CCW		LOCKED ROTOR - -	
SHAFT				BREAKDOWN 22.1 kg-m 250% 6.2 kg-m 135%	
EXTENSION		SINGLE		NOISE LEVEL 72.0 dB(A)	
EXTERNAL THRUST				VIBRATION 25.0 μm	
TERMINAL BOX				ALLOWABLE LOAD GD² REFERRED TO MOTOR SHAFT	
MAIN		☐ STEEL ☐ AL ☒ CAST		(AT DIRECT ON-LINE) 117.0 kg-m²	
AUX.		☒ YES ☐ NO		Motor GD² 0.5570 kg-m²	
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT 145.0 kg	
APPLICATION STANDARDS		IEC.KS		PAINTING MUNSELL NO. N6	
				THICKNESS ☐ STANDARD ☒ 40 μm	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
BRAKE		DC "B" TYPE		OUTLINE DIMENSION	
SPEC		AC 220V, DC 90V, 20kgf.m		Speed Vs Torquet Curve	
BRAKE SENSOR : 고주파발진형근접센서(PNP직류3선식)					
ENCODER		SPEC PUSH PULL DC 10~30V 1024P/R			
		Φ15 HOLLOW SHAFT			
THERMOSTAT(THERMAL PROTECTOR)					
SPEC		OPEN 145°C ±5°C			
		CLOSE 90°C ±15°C			
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