

		INDUCTION MOTOR DATA SHEET		15 HP - 6 P	
MODEL: V15HS8CTB3-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		STARTING METHOD		☐ D.O.L ☐ Y- ☐ V.V.V.F
PROTECTION	IP 54				☐ REATOR (%TAP)
METHODS OF COOLING	☐ SC ☒ FC ☐		☒ VECTOR DRIVE		
PHASE	3 PHASE				
SERVICE FACTOR	1.0		RATED VOLTAGE		360V
INSULATION CLASS	F CLASS		FREQUENCY		60 Hz 120 Hz
TEMP. RISE AT FULL LOAD (at S.F 1.0)		CURRENT			
RES. METHOD		105	NO LOAD		13.5 A 12.5 A
THERMO. METHOD			FULL LOAD		25.5 A 23.2 A
			STARTING		- -
LOCATION	☒ INDOOR ☐ OUTDOOR		EFFICIENCY		
ALTITUDE	1000 m		AT 1/2 LOAD		% %
HUMIDITY	90 %		AT 3/4 LOAD		% %
AMBIENT TEMPERATURE	-10~40		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 GD ² REFERRED TO MOTOR SHAFT			
MAIN	☐ STEEL ☐ AL ☒ CAST		(AT DIRECT ON-LINE)		117.0 kg-m ²
AUX.	☒ YES ☐ NO		Motor GD ²		0.5570 kg-m ²
BOX LOCATION	LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		145.0 kg
APPLICATION STANDARDS	IEC.KS		PAINING	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 :	(PNP 3)				
ENCODER	SPEC	PUSH PULL DC 10~30V 1024P/R			
		Φ15 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	CHECKED
FC : FAN COOLED		SC : SELF COOLED	2006-03-21	B.K.KIM	J.S.PARK
					APPROVED
					H.T.KIM