

HIGEN		INDUCTION MOTOR DATA SHEET		3.7 kW 6 P 132S	
MODEL:		CUSTOMER :		COIL SPEC NO.:	
APPLICATION:		PROJECT NAME:		REV. NO : 0	
GENERAL DATA		PERFORMANCE DATA			
FRAME NO.		132S		OUTPUT 3.7 kW	
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		STARTING METHOD		<input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y- <input type="checkbox"/> REACTOR(%TAP) <input type="checkbox"/> V.V.V.F <input type="checkbox"/> VECTOR-DRIVE
PROTECTION	IP 54		RATED VOLTAGE		440 V V
METHODS OF COOLING	<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>		FREQUENCY		60 Hz
PHASE	3 PHASE		CURRENT		
SERVICE FACTOR	1.15		NO LOAD		A A
INSULATION CLASS	F CLASS		FULL LOAD		7.1 A A
	RES. METHOD 105		STARTING		46.2 A A
	THERMO. METHOD				
LOCATION	<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		EFFICIENCY		
ALTITUDE	1000 m		AT 1/2 LOAD		%
HUMIDITY	80 %		AT 3/4 LOAD		%
AMBIENT TEMPERATURE	-10~40		AT FULL LOAD		87.5 %
RATING	<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %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 / BALL	AT FULL LOAD		78.0 %
	DEW-DE	6208ZZ / 6206ZZ	SPEED (AT FULL LOAD)		1145 rpm
	LUBRICANT	GREASE	TORQUE		
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD		3.1 kg-m 100%
ROTATION(Facing Drive End)	<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		4.7 kg-m 150%
SHAFT			BREAKDOWN		6.0 kg-m 190%
	EXTENSION	SINGLE	NOISE LEVEL		65.0 dB(A)
	EXTERNAL THRUST	-	VIBRATION		30.0 μm
TERMINAL BOX		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
MAIN	<input type="checkbox"/> STEEL <input checked="" type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE)		42.9 kg-m ²
AUX.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD ²		0.153 kg-m ²
BOX LOCATION	LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		66 kg
APPLICATION STANDARDS	KS.IEC		PAINTING	MUNSELL NO.	5 PB 8/2.5 (ALKYD)
			THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm	
ACCESSORIES (OPTIONAL)		SUBMITTAL DRAWINGS			
TEMPERATURE DETECTOR		OUTLINE DIMENSION		DW-3.7kW6PTE132S	
WINDING	NO	SPEED-TORQUE CURVE		ST-3.7kW6PTE132S	
TYPE	-	TERMINAL BOX DIMENSION		TB-3.7kW6PTE132S	
BEARING	NO				
TYPE	-				
SPACE HEATER	NO				
RATING	-				
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 HIGEN MOTOR STANDARD.		2. HIGH EFFICIENCY MOTOR.			
TE : TOTALLY ENCLOSED	DP : DRIP PROOF	DATE	PREPARED	CHECKED	APPROVED
FC : FAN COOLED	SC : SELF COOLED	2010.12.15	K.P.KANG	K.I.HA	H.J.KIM