



# INDUCTION MOTOR DATA SHEET

**30 kW 6 P 225S**

MODEL:	CUSTOMER :	COIL SPEC NO.:	REV. NO : 0
APPLICATION:	PROJECT NAME:	QUANTITY :	SETS

GENERAL DATA				PERFORMANCE DATA			
FRAME NO.	225S			OUTPUT	30 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				<input type="checkbox"/> D.O.L <input checked="" type="checkbox"/> Y-△		
PROTECTION	IP 55			STARTING METHOD	<input type="checkbox"/> REACTOR ( %TAP) <input type="checkbox"/> V.V.V.F		
METHODS OF COOLING	<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>				<input type="checkbox"/> VECTOR-DRIVE		
PHASE	3 PHASE			RATED VOLTAGE	380 V V		
SERVICE FACTOR	1.15			FREQUENCY	60 Hz		
INSULATION CLASS	F CLASS			CURRENT			
TEMP. RISE AT FULL LOAD (at S.F 1.0)				NO LOAD	A A		
RES. METHOD 105 deg				FULL LOAD	62.1 A A		
THERMO. METHOD deg				STARTING	403.7 A A		
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 °C			AT FULL LOAD	94.1 %		
RATING	<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> S6 40%			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 %		
	DEIN-DE	6315C3 / 6312ZZC3		SPEED (AT FULL LOAD)	1180 rpm		
	LUBRICANT	GREASE		TORQUE			
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT			FULL LOAD	24.8 kg-m 100%		
ROTATION(Facing Drive End)	<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW			LOCKED ROTOR	32.2 kg-m 130%		
SHAFT				BREAKDOWN	44.6 kg-m 180%		
	EXTENSION	SINGLE		NOISE LEVEL	81.0 dB(A)		
	EXTERNAL THRUST	-		VIBRATION	30.0 μm		
TERMINAL BOX				ALLOWABLE LOAD GD² REFERRED TO MOTOR SHAFT			
MAIN	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST			(AT DIRECT ON-LINE)	- kg-m²		
AUX.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			Motor GD²	- kg-m²		
BOX LOCATION	LEFT (Viewed from Drive end)			MOTOR APPROX. WEIGHT	400 kg		
APPLICATION STANDARDS	KS.IEC			PAINTING	MUNSELL NO. 5PB 2.5/8.0		
				THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm		

ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS				
TEMPERATURE DETECTOR				OUTLINE DIMENSION DW-225STFCHLS-1				
WINDING	NO							
	TYPE -							
	BEARING	NO						
		TYPE -						
SPACE HEATER								
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. PREMIUM EFFICIENCY MOTOR.(IE3)			
TE : TOTALLY ENCLOSED	DP : DRIP PROOF	DATE	PREPARED	CHECKED	APPROVED
FC : FAN COOLED	SC : SELF COOLED	2016-12-16	N.Y.BAEK	S.S.YUN	T.I.PARK