

HIGEN		INDUCTION MOTOR DATA SHEET		30 HP - 4 P	
MODEL: KMI-30HZ1		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		180M		OUTPUT 22 kW 30 HP	
ENCLOSURE	<input type="checkbox"/> DRIP PROOF		POLES		4 POLES
	<input checked="" type="checkbox"/> TOTALLY ENCLOSED		ROTOR TYPE		SQUIRREL CAGE
	<input type="checkbox"/> Increased Safety Exp.-proof		STARTING METHOD		<input type="checkbox"/> D.O.L <input checked="" type="checkbox"/> Y-
PROTECTION	IP 44				<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"/>		RATED VOLTAGE		<input type="checkbox"/> SOFT-STARTER
PHASE	3 PHASE				480 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		
RES. METHOD			105		
THERMO. METHOD			16.0 A		
LOCATION			<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		
ALTITUDE			1000 m		
HUMIDITY			80 %		
AMBIENT TEMPERATURE			-10-40		
RATING			<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		
NEMA DESIGN			B		
MOUNTING			<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		
BEARING	TYPE	BALL		EFFICIENCY	
	DEW-DE	6311ZZ/6309ZZ		AT 1/2 LOAD	
	LUBRICANT	GREASE		AT 3/4 LOAD	
COUPLING METHOD			<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		
ROTATION(Facing Drive End)			<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		
SHAFT			AT FULL LOAD		
EXTENSION			SINGLE		
EXTERNAL THRUST			89.5 %		
TERMINAL BOX			POWER FACTOR		
MAIN			<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		
AUX.			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
BOX LOCATION			LEFT (Viewed from Drive end)		
APPLICATION STANDARDS			IEC.KS		
			SPEED (AT FULL LOAD)		
			1773 rpm		
			TORQUE		
			FULL LOAD		
			12.1 kg-m 100%		
			LOCKED ROTOR		
			16.9 kg-m 140%		
			BREAKDOWN		
			23.0 kg-m 190%		
			NOISE LEVEL		
			82.0 dB(A)		
			VIBRATION		
			30.0 μm		
			ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT		
			(AT DIRECT ON-LINE)		
			78.7 kg-m ²		
			Motor GD ²		
			0.7447 kg-m ²		
			MOTOR APPROX. WEIGHT		
			180.0 kg		
			PAINTING		
			MUNSELL NO.		
			7.1B4.0/0.9		
			THICKNESS		
			<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm		
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
			OUTLINE DIMENSION		
			DW-H-180M-CA		
			SPEED-TORQUE CURVE		
			ST-KMI-30HZ1		
			TERMINAL BOX DIMENSION		
			TB-2M95115		
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		
FC : FAN COOLED SC : SELF COOLED			PREPARED		
			CHECKED		
			APPROVED		
			2007-01.15		
			B.K.KIM		
			J.S.PARK		
			H.T.KIM		