

HIGEN		INDUCTION MOTOR DATA SHEET		1.5 kW - 4 P	
MODEL: PMN02HK1H		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF165		OUTPUT 1.5 kW	
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		<input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y-	
PROTECTION		IP 55		STARTING METHOD	
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/> DP		<input type="checkbox"/> REACTOR ( %TAP) <input type="checkbox"/> V.V.V.F	
PHASE		3 PHASE		<input type="checkbox"/> VECTOR DRIVE	
SERVICE FACTOR		1.15		RATED VOLTAGE 220 V 380 V V	
INSULATION CLASS		F CLASS		FREQUENCY 60 Hz	
TEMP. RISE AT FULL LOAD (at S.F 1.0)		CURRENT			
RES. METHOD 105		NO LOAD		A A A	
THERMO. METHOD		FULL LOAD		6.1 A 3.5 A A	
		STARTING		45.6 A 26.4 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		AT FULL LOAD		84.0 %	
RATING <input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		POWER FACTOR			
NEMA DESIGN B		AT 1/2 LOAD		% %	
MOUNTING <input type="checkbox"/> B3 <input checked="" type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 3/4 LOAD		% %	
BEARING TYPE BALL		AT FULL LOAD		77.0 %	
DEW-DE 6305ZZC3/6204ZZC3		SPEED (AT FULL LOAD)		1730 rpm	
LUBRICANT GREASE		TORQUE			
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD		0.84 kg-m 100%	
ROTATION(Facing Drive End) <input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		1.60 kg-m 190%	
SHAFT		BREAKDOWN		2.11 kg-m 250%	
EXTENSION SINGLE		NOISE LEVEL		67 dB(A)	
EXTERNAL THRUST		VIBRATION		30.0 $\mu$ m	
TERMINAL BOX		ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT			
MAIN <input type="checkbox"/> STEEL <input checked="" type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE)		6.0 kg-m <sup>2</sup>	
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD <sup>2</sup>		0.0174 kg-m <sup>2</sup>	
BOX LOCATION RIIGHT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		20 kg	
APPLICATION STANDARDS KS.IEC		PAINTING		MUNSELL NO. 1.4BG4.8/7.5	
		THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> $\mu$ m	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
			OUTLINE DIMENSION		DS-PMN02HK1H
			SPEED-TORQUE CURVE		ST-PMN02HK1H
			TERMINAL BOX DIMENSION		TB-3550KK3308
NOTE			REMARKS		
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE			1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.		
GUARANTEED WITH TOLERANCE OF APPLICATION STANDARDS.			2. HIGH EFFICIENCY MOTOR		
2. OTHERS NOT MENTIONED IN THIS SHEET SHALL BE					
IN ACCORDANCE WITH HIGEN STANDARD.					
TE : TOTALLY ENCLOSED DP : DRIP PROOF		DATE	PREPARED	CHECKED	APPROVED
FC : FAN COOLED SC : SELF COOLED		2009-06-09	H.Y.KIM	K.I.HA	H.J.KIM