

HIGEN		INDUCTION MOTOR DATA SHEET		3.7 KW - 2 P	
MODEL: A05HK3FDKB		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF130		OUTPUT 3.7 kW	
ENCLOSURE		<input type="checkbox"/> DRIP PROOF		POLES 2 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 54		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		1.0		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		4.1 A 2.4 A A	
THERMO. METHOD		FULL LOAD		13.7 A 7.9 A A	
		STARTING		89.1 A 51.4 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 87.5 %	
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 checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 3/4 LOAD %	
BEARING TYPE BALL				AT FULL LOAD 82.5 %	
DEW-DE 6206ZZ/6304ZZ				SPEED (AT FULL LOAD) 3460 rpm	
LUBRICANT GREASE				TORQUE	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD 1.0 kg-m 100%	
ROTATION(Facing Drive End)		<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR 1.7 kg-m 160%	
SHAFT				BREAKDOWN 2.1 kg-m 200%	
EXTENSION SINGLE				NOISE LEVEL 80 dB(A)	
EXTERNAL THRUST				VIBRATION 25.0 μ m	
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) 3.3 kg-m ²	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD ² 0.0570 kg-m ²	
BOX LOCATION LEFT (Viewed from Drive end)				MOTOR APPROX. WEIGHT 25 kg	
APPLICATION STANDARDS KS.IEC				PAINTING	
				MUNSELL NO. BLACK	
				THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μ m	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
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
FC : FAN COOLED SC : SELF COOLED		2009-02-26		H.Y.KIM	J.H.JO
					APPROVED
					H.J.KIM