

INDUCTION MOTOR DATA SHEET

0.4 kW - 6 P

MODEL: I400K8EG3		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY :	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		80		OUTPUT 0.4 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 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"/>		<input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F	
FREQUENCY		60 Hz		<input type="checkbox"/> SOFT-STARTER	
PHASE		3 PHASE		RATED VOLTAGE 220 V 380 V V	
SERVICE FACTOR		1.0		CURRENT	
INSULATION CLASS		F CLASS		NO LOAD A A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				FULL LOAD 2.4 A 1.4 A A	
RES. METHOD		105		STARTING 10.7 A 6.2 A A	
THERMO. METHOD				EFFICIENCY	
LOCATION <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR				AT 1/2 LOAD %	
ALTITUDE 1000 m				AT 3/4 LOAD %	
HUMIDITY 80 %				AT FULL LOAD 68.0 %	
AMBIENT TEMPERATURE -10-40				POWER FACTOR	
RATING <input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED				AT 1/2 LOAD %	
NEMA DESIGN B				AT 3/4 LOAD %	
MOUNTING <input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5				AT FULL LOAD 65.0 %	
BEARING TYPE BALL				SPEED (AT FULL LOAD) 1140 rpm	
DEW-DE 6204ZZ/6203ZZ				TORQUE	
LUBRICANT GREASE				FULL LOAD 0.3 kg-m 100%	
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT				LOCKED ROTOR 0.6 kg-m 170%	
SHAFT				BREAKDOWN 0.6 kg-m 170%	
EXTENSION SINGLE				NOISE LEVEL 60.0 dB(A)	
EXTERNAL THRUST				VIBRATION 30.0 μm	
TERMINAL BOX				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
MAIN <input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" type="checkbox"/> CAST				(AT DIRECT ON-LINE) 2.4 kg-m ²	
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				Motor GD ² 0.0086 kg-m ²	
BOX LOCATION LEFT (Viewed from Drive end)				MOTOR APPROX. WEIGHT 20.0 kg	
APPLICATION STANDARDS IEC, KS				PAINTING	
				MUNSELL NO. 7.1B 4.0/0.9	
				THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
			OUTLINE DIMENSION DW-I400K8EG3		
			SPEED-TORQUE CURVE ST-I400K8EG3		
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.					
FC : FAN COOLED SC : SELF COOLED			DATE PREPARED CHECKED APPROVED		
			2007.07.23 H.G.HAN H.K.KIM H.J.KIM		