

HIGEN		INDUCTION MOTOR DATA SHEET		0.75 kW 6 P 90L	
MODEL:		CUSTOMER :		COIL SPEC NO.:	
APPLICATION:		PROJECT NAME:		REV. NO : 0	
				QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		90L		OUTPUT 0.75 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- <input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F <input type="checkbox"/> VECTOR-DRIVE	
PROTECTION		IP 55		STARTING METHOD	
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/> NV			
PHASE		3 PHASE		RATED VOLTAGE 220 V 380 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		80 deg		FULL LOAD 3.8 A 2.2 A	
THERMO. METHOD		deg		STARTING 22.7 A 13.2 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 82.5 %	
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		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 63.0 %	
DEIN-DE		6205ZZC3 / 6204ZZC3		SPEED (AT FULL LOAD) 1150 rpm	
LUBRICANT		GREASE		TORQUE	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD 0.64 kg-m 100%	
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR 1.08 kg-m 170%	
SHAFT				BREAKDOWN 1.14 kg-m 180%	
EXTENSION		SINGLE		NOISE LEVEL 61.0 dB(A)	
EXTERNAL THRUST		-		VIBRATION 30.0 μm	
TERMINAL BOX				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE) 16.4 kg-m ²	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD ² 0.017 kg-m ²	
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT 25 kg	
APPLICATION STANDARDS		KS.IEC		PAINTING	
				MUNSELL NO. 5PB 2.5/8	
				THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW-90LTFCHLS-1		
WINDING NO			SPEED-TORQUE CURVE ST-P0.75KK8T90L-1		
TYPE -			TERMINAL BOX DIMENSION TB-MS112NZ-1		
BEARING NO					
TYPE -					
SPACE HEATER NO					
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			2016-04-07 S.D.YUN S.D.YUN K.I.HA		