

HIGEN		INDUCTION MOTOR DATA SHEET		75 kW 4 P 250S	
MODEL:		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		250S		OUTPUT 75 kW	
ENCLOSURE		☐ DRIP PROOF		POLES 4 POLES	
		☒ TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE	
		☐ Increased Safety Exp.-proof		☐ D.O.L ☒ Y-△	
PROTECTION		IP 55		STARTING METHOD	
METHODS OF COOLING		☐ SC ☒ FC ☐		☐ REACTOR (%TAP) ☐ V.V.V.F	
PHASE		3 PHASE		☐ VECTOR-DRIVE	
SERVICE FACTOR		1.15		RATED VOLTAGE 440 V V	
INSULATION CLASS		F CLASS		FREQUENCY 60 Hz	
TEMP. RISE AT FULL LOAD (at S.F 1.0)		CURRENT			
RES. METHOD		105 deg		NO LOAD 48.0 A A	
THERMO. METHOD		°C		FULL LOAD 124.0 A A	
LOCATION		☒ INDOOR ☐ OUTDOOR		STARTING 805.8 A A	
ALTITUDE		1000 m		EFFICIENCY	
HUMIDITY		80 %		AT 1/2 LOAD %	
AMBIENT TEMPERATURE		-10~40 °C		AT 3/4 LOAD %	
RATING		☒ CONT. ☐ %ED		AT FULL LOAD 94.5 %	
NEMA DESIGN		B		POWER FACTOR	
MOUNTING		☒ B3 ☐ B5 ☐ V1 ☐ B3B5		AT 1/2 LOAD %	
BEARING		TYPE BALL / BALL		AT 3/4 LOAD %	
		DEIN-DE 6218C3 / 6314ZZC3		AT FULL LOAD 84.0 %	
		LUBRICANT GREASE		SPEED (AT FULL LOAD) 1770 rpm	
COUPLING METHOD		☒ DIRECT ☐ V-BELT		TORQUE	
ROTATION(Facing Drive End)		☐ CW ☒ CCW		FULL LOAD 41.3 kg-m 100%	
SHAFT		NOISE LEVEL 89.0 dB(A)			
EXTENSION		SINGLE		VIBRATION 30.0 μm	
EXTERNAL THRUST		-		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
TERMINAL BOX		(AT DIRECT ON-LINE) 175.0 kg-m ²			
MAIN		☒ STEEL ☐ AL ☐ CAST		Motor GD ² 4.65 kg-m ²	
AUX.		☐ YES ☒ NO		MOTOR APPROX. WEIGHT 520 kg	
BOX LOCATION		LEFT (Viewed from Drive end)		PAINTING MUNSELL NO. 5PB 2.5/8.0	
APPLICATION STANDARDS		KS.IEC		THICKNESS ☒ STANDARD ☐ μm	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW-KMH-100HV1		
WINDING			SPEED-TORQUE CURVE ST-KMH-100HV1		
TYPE			TERMINAL BOX DIMENSION TB-250SM-1		
BEARING					
TYPE					
SPACE HEATER					
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. HIGH EFFICIENCY MOTOR.		
TE : TOTALLY ENCLOSED DP : DRIP PROOF			DATE PREPARED CHECKED APPROVED		
FC : FAN COOLED SC : SELF COOLED			2015-06-23 J.H.KIM S.S.YUN T.I.PARK		