

HIGEN			INDUCTION MOTOR DATA SHEET			110 kW 4 P 280S			
MODEL:			CUSTOMER :		COIL SPEC NO.:		REV. NO : 0		
APPLICATION:			PROJECT NAME:			QUANTITY : SETS			
GENERAL DATA					PERFORMANCE DATA				
FRAME NO.		280S		OUTPUT		110 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		STARTING METHOD		<input type="checkbox"/> D.O.L <input checked="" type="checkbox"/> Y-Δ			
PROTECTION		IP 55				<input type="checkbox"/> REACTOR ( %TAP) <input type="checkbox"/> V.V.V.F			
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>				<input type="checkbox"/> VECTOR-DRIVE			
PHASE		3 PHASE		RATED VOLTAGE		380 V		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		105 deg		FULL LOAD		204.6 A		A	
THERMO. METHOD		°C		STARTING		1431.9 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 °C		AT FULL LOAD		95.0 %			
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		86.0 %			
	DEIN-DE	NU318 / 6315ZZC3		SPEED (AT FULL LOAD)		1765 rpm			
	LUBRICANT	GREASE		TORQUE					
COUPLING METHOD		<input type="checkbox"/> DIRECT <input checked="" type="checkbox"/> V-BELT		FULL LOAD		60.7 kg-m		100%	
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		60.7 kg-m		100%	
SHAFT				BREAKDOWN		103.2 kg-m		170%	
EXTENSION		SINGLE		NOISE LEVEL		89.0 dB(A)			
EXTERNAL THRUST		-		VIBRATION		30.0 μm			
TERMINAL BOX				ALLOWABLE LOAD GD² REFERRED TO MOTOR SHAFT					
MAIN		<input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" type="checkbox"/> CAST		(AT DIRECT ON-LINE)		240.0 kg-m²			
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD²		7.227 kg-m²			
BOX LOCATION		TOP (Viewed from Drive end)		MOTOR APPROX. WEIGHT		800 kg			
APPLICATION STANDARDS		KS.IEC		PAINTING		MUNSELL NO. 5PB 2.5/8.0			
				THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm			
ACCESSORIES (OPTIONAL)					SUBMITTAL DRAWINGS				
TEMPERATURE DETECTOR				OUTLINE DIMENSION		DW-KMH150HU1P			
WINDING		NO		SPEED-TORQUE CURVE		ST-KMH150HU1P			
TYPE		-		TERMINAL BOX DIMENSION		TB-280SM-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. HIGH EFFICIENCY MOTOR.				
TE : TOTALLY ENCLOSED DP : DRIP PROOF					DATE		PREPARED	CHECKED	APPROVED
FC : FAN COOLED SC : SELF COOLED					2015-06-24		C.W.KIM	S.S.YUN	T.I.PARK