

HIGEN		INDUCTION MOTOR DATA SHEET		1/4 HP - 4 P	
MODEL: A180C1DH55		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO. 71		OUTPUT 0.18 kW 1/4 HP			
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		<input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y-	
PROTECTION IP 55		STARTING METHOD		<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"/> SOFT-STARTER	
PHASE 3 PHASE		RATED VOLTAGE 220 V - V - V			
SERVICE FACTOR 1.0		FREQUENCY 60 Hz			
INSULATION CLASS F CLASS		CURRENT			
TEMP. RISE AT FULL LOAD (at S.F 1.0)		NO LOAD		- A	- A
RES. METHOD 95		FULL LOAD		1.2 A	- A
THERMO. METHOD		STARTING		5.7 A	- A
LOCATION <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		EFFICIENCY			
ALTITUDE 1000 m		AT 1/2 LOAD			
HUMIDITY 90 %		AT 3/4 LOAD			
AMBIENT TEMPERATURE -10~50		AT FULL LOAD		66.0	%
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		AT FULL LOAD		61.0	%
DEW-DE 6203ZZ/6203ZZ		SPEED (AT FULL LOAD)		1720	rpm
LUBRICANT		TORQUE			
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD		0.1	kg-m 100%
ROTATION(Facing Drive End) <input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		0.2	kg-m 200%
SHAFT		BREAKDOWN		0.2	kg-m 200%
EXTENSION SINGLE		NOISE LEVEL		61.0	dB(A)
EXTERNAL THRUST		VIBRATION		15.0	μm
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)		1.0	kg-m ²
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD ²		0.0034	kg-m ²
BOX LOCATION LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		8.0	kg
APPLICATION STANDARDS IEC, KS		PAINTING COLOR BLACK			
		THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/>		μm	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		DW-A180C1DH55
WINDING TYPE			SPEED VS TORQUE, CURRENT CURVE		ST-A180C1DH55
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 OTIS STANDARD.					
TE : TOTALLY ENCLOSED DP : DRIP PROOF		DATE	PREPARED	CHECKED	APPROVED
FC : FAN COOLED SC : SELF COOLED		2006.11.28	H.G.HAN	H.J.KIM	H.T.KIM