



INDUCTION MOTOR DATA SHEET

0.75 kW 4 P 80

MODEL: I01HX1DULM-N1	CUSTOMER :	COIL SPEC NO.:	REV. NO : 0
APPLICATION:	PROJECT NAME:	QUANTITY :	SETS

GENERAL DATA		PERFORMANCE DATA	
FRAME NO.	80	OUTPUT	0.75 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 checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y- Δ <input type="checkbox"/> REACTOR (%TAF <input type="checkbox"/> V.V.V.F <input type="checkbox"/> VECTOR-DRIVE
PROTECTION	IP 44	RATED VOLTAGE	220 V 380 V
METHODS OF COOLING	<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/> NV	FREQUENCY	50 (60) Hz
PHASE	3 PHASE	CURRENT	
SERVICE FACTOR	1.0	NO LOAD	A A
INSULATION CLASS	B CLASS	FULL LOAD	3.3 (3.2) A 1.9 (1.8) A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING	18.3 (17.5) A 10.6 (10.1) A
RES. METHOD	105 deg	EFFICIENCY	
THERMO. METHOD	deg	AT 1/2 LOAD	%
LOCATION	<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR	AT 3/4 LOAD	%
ALTITUDE	1000 m	AT FULL LOAD	72.0 %
HUMIDITY	80 %	POWER FACTOR	
AMBIENT TEMPERATURE	-10~40 $^{\circ}$ C	AT 1/2 LOAD	%
RATING	<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED	AT 3/4 LOAD	%
NEMA DESIGN	B	AT FULL LOAD	82.0 (86.0) %
MOUNTING	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5	SPEED (AT FULL LOAD)	1410 (1710) rpm
BEARING	TYPE	BALL / BALL	TORQUE
	DEIN-DE	6206ZZ / 6203ZZ	FULL LOAD
	LUBRICANT	GREASE	0.52 (0.43) kg-m 100%
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT	LOCKED ROTOR	0.98 (0.81) kg-m 190%
ROTATION(Facing Drive End)	<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW	BREAKDOWN	1.04 (0.85) kg-m 200%
SHAFT	EXTENSION	SINGLE	NOISE LEVEL
	EXTERNAL THRUST	-	63.0 dB(A)
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)	3.6 kg-m ²
AUX.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Motor GD ²	0.0092 kg-m ²
BOX LOCATION	RIGHT (Viewed from Drive end)	MOTOR APPROX. WEIGHT	20 kg
APPLICATION STANDARDS	KS.IEC	PAINING	MUNSELL NO. N1.0
		THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μ m

ACCESSORIES (OPTIONAL)		SUBMITTAL DRAWINGS	
TEMPERATURE DETECTOR		OUTLINE DIMENSION	DW-80MTFCHRAU-1
WINDING	NO	SPEED-TORQUE CURVE	ST-S0.75KX1T80M-4
TYPE	-	TERMINAL BOX DIMENSION	TB-MA112T4-2
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.	
TE : TOTALLY ENCLOSED DP : DRIP PROOF	DATE PREPARED CHECKED APPROVED
FC : FAN COOLED SC : SELF COOLED	2016-12-20 H.S.LEE K.I.HA K.I.HA