



# INDUCTION MOTOR DATA SHEET

## 25 HP - 4 P

MODEL: KMI-25HQ1      CUSTOMER :      REV. NO : 0  
 APPLICATION:      PROJECT NAME:      QUANTITY :      SETS

GENERAL DATA		PERFORMANCE DATA				
FRAME NO.	180M	OUTPUT	18.5	KW	25	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	STARTING METHOD	<input type="checkbox"/> D.O.L <input checked="" type="checkbox"/> Y-			
PROTECTION	<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				
FREQUENCY	50 Hz	RATED VOLTAGE	380	V	-	V
PHASE	3 PHASE	CURRENT				
SERVICE FACTOR	1.0	NO LOAD	16.0	A	-	A
INSULATION CLASS	F CLASS	FULL LOAD	39.7	A	-	A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING	337.5	A	-	A
RES. METHOD	105	EFFICIENCY				
THERMO. METHOD		AT 1/2 LOAD	-	%		
LOCATION	<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR	AT 3/4 LOAD	-	%		
ALTITUDE	1000 m	AT FULL LOAD	88.5	%		
HUMIDITY	90 %	POWER FACTOR				
AMBIENT TEMPERATURE	-10-40	AT 1/2 LOAD	-	%		
RATING	<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED	AT 3/4 LOAD	-	%		
NEMA DESIGN	B	AT FULL LOAD	80.0	%		
MOUNTING	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5	SPEED (AT FULL LOAD)	1470	rpm		
BEARING	TYPE	BALL				
	DEW-DE	6311ZZ/6309ZZ				
	LUBRICANT	GREASE				
COUPLING METHOD	<input type="checkbox"/> DIRECT <input checked="" type="checkbox"/> V-BELT	TORQUE				
ROTATION(Facing Drive End)	<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW	FULL LOAD	12.3	kg-m	100%	
SHAFT	EXTENSION	LOCKED ROTOR	17.2	kg-m	140%	
		EXTERNAL THRUST	BREAKDOWN	23.3	kg-m	190%
TERMINAL BOX		NOISE LEVEL	82.0	dB(A)		
MAIN	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST	VIBRATION	30.0	μm		
AUX.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT				
BOX LOCATION	LEFT (Viewed from Drive end)	(AT DIRECT ON-LINE)		65.0	kg-m <sup>2</sup>	
APPLICATION STANDARDS		Motor GD <sup>2</sup>		0.6545	kg-m <sup>2</sup>	
KS.IEC		MOTOR APPROX. WEIGHT		170	kg	
		PAINTING	MUNSELL NO.	7.1B4.0/0.9		
		THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/>	μm	

ACCESSORIES (OPTIONAL)	SUBMITTAL DRAWINGS
	OUTLINE DIMENSION
	Speed Vs Torque, current Curve

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 STANDARD.	

TE : TOTALLY ENCLOSED	DP : DRIP PROOF	DATE	PREPARED	CHECKED	APPROVED
FC : FAN COOLED	SC : SELF COOLED	2008-04-30	J.S.PARK	J.S.PARK	H.T.KIM