HIGEN INDUCTION MOTOR DATA SHEET

2.2 kW 8 P

MODEL:	CUSTOMER :	REV. NO : 0
APPLICATION:	PROJECT NAME:	QUANTITY : SETS

GENERAL DATA

FRAME NO.	132	
ENCLOSURE	☐ DRIP PROOF	
	☑ TOTALLY ENCLOSED	
	☐ Increased Safety Exp.-proof	
PROTECTION	IP 54	
METHODS OF COOLING	☐ SC ☐ FC ☑ AO	
PHASE	3 PHASE	
SERVICE FACTOR	1.0	
INSULATION CLASS	F CLASS	
TEMP. RISE AT FULL LOAD (at S.F 1.0)		
RES. METHOD	100 °C	
THERMO. METHOD	°C	
LOCATION	☑ INDOOR ☐ OUTDOOR	
ALTITUDE	1000 m	
HUMIDITY	90 %	
AMBIENT TEMPERATURE	-10~40 °C	
RATING	☑ CONT. ☐ %ED	
NEMA DESIGN	B	
MOUNTING	☐ B3 ☐ B5 ☑ V1 ☐ B3B5	
BEARING TYPE	BALL	
BEARING DE\N-DE	6208ZZ/6206ZZ	
BEARING LUBRICANT		
COUPLING METHOD	☑ DIRECT ☐ V-BELT	
ROTATION(Facing Drive End)	☑ CW ☑ CCW	
SHAFT		
EXTENSION		
EXTERNAL THRUST		
TERMINAL BOX		
MAIN	☐ YES ☑ NO ☐ CAST	
AUX.	☐ YES ☑ NO	
BOX LOCATION	LEFT (Viewed from Drive end)	
APPLICATION STANDARDS	KS.IEC	

PERFORMANCE DATA

OUTPUT	2.2 kW			
POLES	8 POLES			
ROTOR TYPE	SQUIRREL CAGE			
STARTING METHOD	☑ D.O.L ☐ Y-△			
	☐ REACTOR (%TAP) ☐ V.V.V.F			
	☐ SOFT-STARTER			
RATED VOLTAGE	220 V	380 V	- V	
FREQUENCY	60 Hz			
CURRENT				
NO LOAD	6.3 A	3.7 A	- A	
FULL LOAD	11.5 A	6.7 A	- A	
STARTING	74.8 A	43.2 A	- A	
EFFICIENCY				
AT 1/2 LOAD	%			
AT 3/4 LOAD	%			
AT FULL LOAD	79.0 %			
POWER FACTOR				
AT 1/2 LOAD	%			
AT 3/4 LOAD	%			
AT FULL LOAD	65.5 %			
SPEED (AT FULL LOAD)	850 rpm			
TORQUE				
FULL LOAD	2.5 kg-m	100%		
LOCKED ROTOR	4.5 kg-m	180%		
BREAKDOWN	5.0 kg-m	200%		
NOISE LEVEL	72.0 dB(A)			
VIBRATION	30.0 μm			
ALLOWABLE LOAD GD² REFERRED TO MOTOR SHAFT				
(AT DIRECT ON-LINE)	48.8 $kg\text{-}m^2$			
Motor GD²	0.1530 $kg\text{-}m^2$			
MOTOR APPROX. WEIGHT	57.0 kg			
PAINTING MUNSELL NO.	7.1 B 4.0/0.9			
PAINTING THICKNESS	☑ STANDARD ☐ μm			

ACCESSORIES (OPTIONAL)

TEMPERATURE DETECTOR	
WINDING	
TYPE	
BEARING	
TYPE	
OIL SEAL	YES
	38*58*11

SUBMITTAL DRAWINGS

NOTE

1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLERANCE OF APPLICATION STANDARDS.
2. OTHERS NOT MENTIONED IN THIS SHEET SHALL BE IN ACCORDANCE WITH OTIS STANDARD.

REMARKS

1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.

TE : TOTALLY ENCLOSED DP : DRIP PROOF

AC: AOR OF COOLING

DATE	PREPARED	CHECKED	APPROVED
2007.06.29	J.H JO	J.H JO	H.J.KIM