

HIGEN		INDUCTION MOTOR DATA SHEET		18.5 kW - 2 P	
MODEL: PMM25HU3H		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF300		OUTPUT 18.5 kW 25 HP	
ENCLOSURE	☐ DRIP PROOF		POLES 2 POLES		
	☒ TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE		
	☐ Increased Safety Exp.-proof		☒ D.O.L ☐ Y- Δ ☐ REACTOR (%TAP) ☐ V.V.V.F ☐ SOFT-STARTER		
PROTECTION IP 55		STARTING METHOD			
METHODS OF COOLING ☐ SC ☒ FC ☐					
FREQUENCY 60 Hz		RATED VOLTAGE 380 V		V V	
PHASE 3 PHASE		CURRENT			
SERVICE FACTOR 1.15		NO LOAD		13.0 A	A A
INSULATION CLASS F CLASS		FULL LOAD		37.0 A	A A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING		296.1 A	A A
RES. METHOD 105 $^{\circ}$ C		EFFICIENCY			
THERMO. METHOD $^{\circ}$ C		AT 1/2 LOAD %			
LOCATION ☒ INDOOR ☐ OUTDOOR		AT 3/4 LOAD %			
ALTITUDE 1000 m		AT FULL LOAD 91.5 %			
HUMIDITY 80 %		POWER FACTOR			
AMBIENT TEMPERATURE -10~40 $^{\circ}$ C		AT 1/2 LOAD %			
RATING ☒ CONT. ☐ %ED		AT 3/4 LOAD %			
NEMA DESIGN B		AT FULL LOAD 83.0 %			
MOUNTING ☐ B3 ☐ B5 ☒ V1 ☐ B3B5		SPEED (AT FULL LOAD)		3550	rpm
BEARING	TYPE BALL		TORQUE		
	DEVN-DE 6310ZZC3/6307ZZC3		FULL LOAD 5.1 kg-m 100%		
	LUBRICANT GREASE		LOCKED ROTOR 9.1 kg-m 180%		
COUPLING METHOD ☒ DIRECT ☐ V-BELT		BREAKDOWN		11.2	kg-m 220%
SHAFT		NOISE LEVEL		90.0	dB(A)
EXTENSION SINGLE		VIBRATION		25.0	μ m
EXTERNAL THRUST		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
TERMINAL BOX		(AT DIRECT ON-LINE)		11.7	kg-m ²
MAIN ☐ STEEL ☐ AL ☒ CAST		Motor GD ²		0.2503	kg-m ²
AUX. ☐ YES ☒ NO		MOTOR APPROX. WEIGHT		145	kg
BOX LOCATION LEFT (Viewed from Drive end)		PAINTING	MUNSELL NO.	1.4BG 4.8/7.5 (WILO GREEN)	
APPLICATION STANDARDS KS.IEC		THICKNESS		☒ STANDARD	☐ μ m
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
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.		2. HIGH EFFICIENCY MOTOR.			
FC : FAN COOLED SC : SELF COOLED		DATE	PREPARED	CHECKED	APPROVED
		2009-02-14	K.I. HA	K.I. HA	H.T.KIM