

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

GENERAL DATA				PERFORMANCE DATA			
FRAME NO.	160M			OUTPUT	11 kW		
ENCLOSURE	☐ DRIP PROOF			POLES	2 POLES		
	☒ TOTALLY ENCLOSED			ROTOR TYPE	SQUIRREL CAGE		
	☐ Increased Safety Exp.-proof			STARTING METHOD	☒ D.O.L ☐ Y- Δ		
PROTECTION	IP 55				☐ REACTOR (%TAP) ☐ V.V.V.F		
METHODS OF COOLING	☐ SC ☒ FC ☐ NV				☐ VECTOR-DRIVE		
PHASE	3 PHASE			RATED VOLTAGE	440 V V		
SERVICE FACTOR	1.15			FREQUENCY	60 Hz		
INSULATION CLASS	F CLASS			CURRENT			
TEMP. RISE AT FULL LOAD (at S.F 1.0)				NO LOAD	A		A
RES. METHOD		105 deg		FULL LOAD	18.7 A		A
THERMO. METHOD		deg		STARTING	130.6 A		A
LOCATION	☒ INDOOR ☐ OUTDOOR			EFFICIENCY			
ALTITUDE	1000 m			AT 1/2 LOAD		%	
HUMIDITY	80 %			AT 3/4 LOAD		%	
AMBIENT TEMPERATURE	-10~40 $^{\circ}$ C			AT FULL LOAD		91.0 %	
RATING	☒ CONT. ☐ %ED			POWER FACTOR			
NEMA DESIGN	B			AT 1/2 LOAD		%	
MOUNTING	☒ B3 ☐ B5 ☐ V1 ☐ B3B5			AT 3/4 LOAD		%	
BEARING	TYPE	BALL / BALL		AT FULL LOAD		85.0 %	
	DEIN-DE	6309ZZC3 / 6307ZZC3		SPEED (AT FULL LOAD)			
	LUBRICANT	GREASE		3560 rpm			
COUPLING METHOD	☒ DIRECT ☐ V-BELT			FULL LOAD		3.01 kg-m 100%	
ROTATION(Facing Drive End)	☐ CW ☒ CCW			LOCKED ROTOR		4.21 kg-m 140%	
SHAFT				BREAKDOWN		6.02 kg-m 200%	
	EXTENSION	SINGLE		NOISE LEVEL			
	EXTERNAL THRUST	-		87.0 dB(A)			
TERMINAL BOX				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
MAIN	☒ STEEL ☐ AL ☐ CAST			(AT DIRECT ON-LINE)		7.2 kg-m ²	
AUX.	☐ YES ☒ NO			Motor GD ²		0.162 kg-m ²	
BOX LOCATION	LEFT (Viewed from Drive end)			MOTOR APPROX. WEIGHT		110 kg	
APPLICATION STANDARDS	KS.IEC			PAINTING	MUNSELL NO.	5PB 2.5/8	
				THICKNESS	☒ STANDARD ☐ μ m		

ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS			
TEMPERATURE DETECTOR				OUTLINE DIMENSION		DW-160MTFCHLS-1	
WINDING	NO			SPEED-TORQUE CURVE		ST-P11KV3T-1	
	TYPE -			TERMINAL BOX DIMENSION		TB-MS180NZ-1	
	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.		2. PREMIUM EFFICIENCY MOTOR.			
TE : TOTALLY ENCLOSED	DP : DRIP PROOF	DATE	PREPARED	CHECKED	APPROVED
FC : FAN COOLED	SC : SELF COOLED	2016-04-08	H.S.LIM	K.I.HA	K.I.HA