



Customer	:
Project Name	:
Project No.	:
Revision No.	:

SPECIFICATION for INDUCTION MOTOR





0		For Bidding			
No.	DATE	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY

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AC INDUCTION MOTOR DATA SHEET

Model No.or RFQ No. Item No. Rev. No. I I GENERAL.SPECIFICATION Project No. VERFORMANCE DATA Sets GENERAL.SPECIFICATION PERFORMANCE DATA Item Size Item Size <th></th>											
GENERAL SPECIFICATION PERFORMANCE DATA Frame Size 215T Rated Output 7.5 kW 10.0 HP Frame Size PIP Number of Poles 4 Enclosure(Protection) Totally Enclosed / IP55 Rotor Type Squirrel Cage 4 Method of Cooling C411(FC) Saming Methode' TDO.1 □ V. △ Rated Frequency 60 Hz Rated Voltage 575 V 440 V 230 V Annotation Class E1F ■ 1 Current Full Load 10.40 A 12.99 A 25.99 A Insulation Class E1F ■ 1 Current Full Load 10.40 A 12.99 A 575 % 750 %	Model No	o.or RFQ No.			Item No.			Rev. N	o. []	
Frame Size 215T Rated Output 7.5 kW 10.0 HP Type PIP Number of Poles 4 Enclosure(Protection) Totally Enclosed / P55 Rotor Type Squirrel Cage 57 V 460 V 230 V Method of Cooling KC411 (RC) Rated Votage 57 S V 460 V 230 V Number of Phases 3 Current Full Load 10.40 A 1.29 A 25.99 A Issued frequency 60 ftz Rated Votage 575 V 460 V 230 V Insulation Class Image F B H Encloser-concert 750 % 750 % Temp, Rise at full load top resistance method) Efficiency 5% Load 90.7 % Altitude Labrize Haunidity Less than 1000 meter Power Factor(Put) 750 % 760 % Service Factor 1.0 Speed at Full Load 0.740 770 r.p.m Duty Type Contraction G208ZZC3 / G208ZZC3 Forge Canteron 100% External Turus Notage 20.99 Ib.ft											
Type PIP Number of Poles 4 Enclosure(Protection) Totally Enclosed / IP55 Rotor Type Squirrel Gage Rated Frequency 60 Hz Rated Voltage ST5 V 400 V 230 V Rated Frequency 60 Hz Rated Voltage 575 V 400 V 230 V Invaluation Class 2 F B H Curren Full IA 10.40 A 12.99 A 230 V 200 V 230 V % Invaluation Class 2 F B H Cacked-rotor* 750 % 750 % 750 % % 750 % % <td colspan="4"></td> <td colspan="4"></td>											
Enclosure(Protection) Totally Enclosed / IP55 Rotor Type Squirrel Cage Method of Cooling IC411(fC) Starting Method* [] D.O.1.	Frame Siz										
Method of Cooling IC41 (FC) Starting Method* 2 D.0.L I × A Rated Frequency 60 Hz Rated Voltage 575 V 460 V 230 V Number of Phases 3 Current Fiul Load 10.40 A 12.99 A 25.99 A Insulation Class UF B H Locked-rotor* 750 %	Туре		PJP			Number of	of Poles		4		
Bated Frequency 60 Hz Rated Voltage 575 V 460 V 230 V Number of Phases 3 Current Full Load 10.40 A 12.99 A 25.99 A Temp, Rise at full load (by resistance method) FII Cincery 50% Load 88.7 % 750 %	Enclosure	(Protection)	Totally	Enclosed / IP:	55	Rotor Ty	pe	Squirrel Cag	e		
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Temp. Rise at full load by resistance method) Efficiency at 10 S.F 80 deg.C Altitude Less than Less than 1000 meter Relative Humidity Less than Relative Humidity Less than Service Factor 1.0 Duty Type Continuous (S1) Service Factor 1.0 Mounting B3 Service Factor 1.0 Mounting B3 External Thrust Not applicable Coupling Method Direct Outed Outloor Aux. Type Cation Refer to Outline Drawing Aux. Type Aux. Type Aux. Type Aux. Type of Ex-Protection Aux. Type of Sater Structor Application Hazardous Permisal Mainium Ausinium D Aux. Yes Aux. Yes Applicable Standard NEMA MGI, CSA C390 Paint Musell No. Aux. H. Division 2 </td <td>Number o</td> <td>f Phases</td> <td colspan="2">3</td> <td>Current</td> <td>Full Load</td> <td>10.40 A</td> <td>12.99 A</td> <td>25.99</td> <td>А</td>	Number o	f Phases	3		Current	Full Load	10.40 A	12.99 A	25.99	А	
at 10.5 F 80 deg. C Motor Location □2 Indoor □ Outdoor Altitude Less than 1000 meter Relative Humidity Less than 80 % Ambient Temp. 40 deg. C (Max.) Duty Type Continuous (S1) Service Factor 1.0 Mounting B3 Service Factor 1.0 DE/N-DE 6208ZZC3 / 6208ZZC3 Labricant Grease External Thrust Not applicable Coupling Method [2] Direct V-Bet Momentor Box Soud Orres Soud Orres 29.9 lb.ft Locked-rotor* 180 % External Thrust Not applicable Coupling Method [2] Direct V-Beit Moment of Inertia (J) Moment of Inertia (J) Staff Extension [2] Single Double Terminal Main [Atuminum I2] Cast Iron Box Aux [] Nex<[] 7 No							750 %	750 %	750	%	
Motor Location 2 Indoor Outdoor Attitude Less than 1000 meter 75% Load 90.7 % Relative Humidity Less than 1000 meter 100% Load 91.7 % Ambient Temp. 40 deg. C (Max.) 50% Load 0.740 Duty Type Continuous (S1) Streater Load 100% Load 0.740 Service Factor 1.0 100% Load 0.740 100% Load 0.740 Bearing DE/N-DE 6208ZZC3 / 6208ZZC3 100% Load 0.740 Labricant Grease Torque Torque Torque 100% Load 0.740 100% Load 100 Load 100 Load </td <td>Temp. Ris</td> <td>se at full load</td> <td colspan="2">(by resistance method)</td> <td colspan="3"></td> <td></td>	Temp. Ris	se at full load	(by resistance method)								
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Duty Type Continuous (S1) 75% Load 0.740 Service Factor 1.0 10% Load 0.790 Mounting B3 Speed at Full Load 1770 r.p.m Type Anti-Friction Torque 29.9 lb.ft Bearing DEN-DE 62087ZC3 / 62087ZC3 External Thrust Not applicable Shaft Extension Cl Single Double Locked-rotor** 180 % Shaft Extension Cl Single Double Load(MAX.) 62.787 lb.ft2 Terminal Main Aluminum Cl Cast Iron Sound Pressure Level (No-load & mean value at Im from motor) Location Refer to Outline Drawing Sound Pressure Level (No-load & mean value at Im from motor) Area classification Hazardous Permissible number of Cold 3 times Type of Ex-Protection Clas I & II. Division 2 consecutive starts Hot 2 times Applicable Standard NEMA MGI, CSA C390 Paint Musell No. 4.0PB5.4/5.5(VI.451) ACCESSORIES SUBMITTAL DRAWING Outline Drawing Notor Weight(Approx.) 0.10 T SPARE PARTS .01 CT - Class I, Division 2 Group A,			Less th			Power Fa					
Service Factor 1.0 10 100% Load 0.790 Mounting B3 Speed at Full Load 1770 r.p.m Bearing DE/N-DE 6208ZZC3 / 6208ZZC3 6208ZZC3 Lubricant Grease Eul Load 25.9 lb.ft Lubricant Grease Breakdown** 240 % Coupling Method Direct V-Belt Moment of Inertia (J) Shaft Extension Zingle Double Tordue Terminal Maluminum Cast Iron Motor 0.712 lb.ft2 Box Aux. Yes No Sound Pressure Level (No-load & mean value at Im from motor) Location Refer to Outline Drawing 62 dB(A) 62 dB(A) Application Hazardous Permissible number of Cold 3 times Type of Ex-Protection Class I & IL Division 2 consecutive starts 100 Service Factor & Tomes Applicable Standard NEMA MGI, CSA C390 Paint Mutor Weight(Approx.) B3 LM-T2215B3PLV23 175 lb. 175 lb. SPARE PARTS SPARE PARTS SOS Carup A, B, C & D . Clasu I, Division 2, Group A, B, C & D .		<u> </u>			(Max.)						
Mounting B3 Speed at Full Load 1770 r.p.m Bearing DE/D+DE Colo8ZZC3 / 6208ZZC3 Torque Torque Full Load 29.9 lb.ft Locked-rotor** 180 % Coupling Method Ø Direct V-Belt Moment of Inertia (J) Shaft Externsion Ø Single Double Lockd-rotor** 180 % Terminal Main Ø Linect V-Belt Moment of Inertia (J) Shaft Externsion Ø Single No Sound Pressure Level (No-load & mean value at Im from motor) Location Refer to Outline Drawing 62 dB(A) Area classification Hazardous Vibration 3.8 mm/sec (peak) Application AccessorRIES Summark (Most) 40P55.4/5.5(VL-451) ACCESSORIES SUBMITTAL DRAWING Outline Dimension Drawing \ Motor Weight(Approx.) B3 LM-T2215B3PLV23 175 lb. 175 lb. SPARE PARTS SPARE PARTS SPARE PARTS SPARE PARTS SPARE PARTS 				uous (S1)]					
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Bearing DE/N-DE 6208ZZC3 / 6208ZZC3 Lubricant Grease Locked-rotor** 180 % External Thrust Not applicable Breakdown** 240 % Coupling Method I Direct V-Belt Moment of Inertia (J) Shaft Extension I Single Double Load(Max.) 62.787 lb.ft2 Terminal Main Aluminum Cast fron Sound Pressure Level (No-load & mean value at 1m from motor) Application Aux. Yes No Sound Pressure Level (No-load & mean value at 1m from motor) Area classification Hazardous Permissible number of Cold 3 times Consecutive starts Hot 2 times Application AccEssORIES Vibration 3.8 mm/sec (peak) Permissible number of Cold 3 times AccEssORIES Vibration Bat LM-T2215B3PLV23 175 lb. SPARE PARTS I. Premium efficiency according to NEMA MG1 LIN-T2215B3PLV23 175 lb. SPARE PARTS I. Premium efficiency according to NEMA MG1 . Inverter Duty @ I. Division 2. Group A, B, C & D . Class II, Division 2. Group A, B, C & D SPARE PARTS I. Service Factor 1.25 is applicable Service Factor 1.25 is	Mounting					<u>^</u>	Full Load	1770	r.p.m		
Lubricant Grease Locked-rotor** 180 % External Thrust Not applicable Moment of Inertia (J) Shaft Extension 2 Single Double Terminal Main Aluminum Cast Iron Box Aux. Q Yes No Cocation Refer to Outline Drawing 62 dB(A) Application Vibration 3.8 mm/sec (peak) Area classification Hazardous Permissible number of Cold 3 times Type of Ex-Protection Class I & II, Division 2 consecutive starts Applicable Standard NEMA MG1, CSA C390 Paint Muosell No. Applicable Standard NEMA MG1, CSA C390 Paint Moore 1.0 Service Factor & F Temperature rise SUBMITTAL DRAWING Outline Dimension Drawing Notor Weight(Approx.) B3 LM-T2215B3PLV23 175 lb. SPARE PARTS SPARE PARTS SPARE PARTS <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>[</td><td></td><td></td><td></td><td></td></t<>							[
External Thrust Not applicable Breakdown** 240 % Coupling Method Direct V-Belt Moment of Inertia (J) Shaft Extension Z Single Double Load(Max.) 62.787 lb.ft2 Terminal Main Aluminum Cast Iron Motor 0.712 lb.ft2 Box Aux. Yes Z No Sound Pressure Level (No-load & mean value at 1m from motor) Accation Refer to Outline Drawing 62 dB(A) Area classification Area classification Hazardous Permissible number of Cold 3 times consecutive starts Type of Ex-Protection Class I & II, Division 2 consecutive starts Hot 2 times Applicable Standard NEMA MGI, CSA C390 Paint Munsell No. 4.0PB5.4/5.5(VL-451) ACCESSORIES Outline Dimension Drawing \ Motor Weight(Approx.) B3 LM-T2215B3PLV23 175 lb. I. Premium efficiency according to NEMA MG1 . Inverter Duty @ 1.0 Service Factor & F Temperature rise . 10:1 VT (20:1 VT at 50% load) . 10:1 CT . CHs to 1.5 items base speed 3. CSA Certification . Class I, Division 2, Group A, B, C & D . Class I, Division 2, Group A, B, C & D<	Bearing)8ZZC3 /	6208ZZC3						
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[Note] Others not mentioned in this data sheet shall be in accordance with maker standard.

Above technical data are only design values and shall be guaranteed with tolerance of applicable standard.

Inspection and performance test shall be done according to maker standard, if not mentioned.

* In case of Inverter-Fed Motor, performance data is based on sine wave tests. It may be different from test data of Inverter combined motor.

** Data is based on rated voltage & frequency and is expressed as a percentage of full-load value.





