



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

## SPECIFICATION for INDUCTION MOTOR





| 0   |      | For Bidding |             |            |             |
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## AC INDUCTION MOTOR DATA SHEET

| Model Noor RFQ No.         Item No.         Rev. No.         I <thi< th="">         I         <thi< th=""> <t< th=""><th><b>—</b> -</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<></thi<></thi<>  | <b>—</b> -  |              |          |                       |             |                                       |                 |                |          |        |     |
|--|-------------|--------------|----------|-----------------------|-------------|---------------------------------------|-----------------|----------------|----------|--------|-----|
| CENTRAL SPECTFICATION         PERFORMANCE DATA           Type         PIP         Rande Output         1.5 kW         2.0 HP           Type         PIP         Number of Poles         4           Enclosure(Protection)         Totally Enclosed / IPS5         Ratof Type         Squirrel Cage           Method of Cooling         CAITICK)         Stating Method / ZDO.L         Q.V.A           Number of Phases         3         Current Full Load         2.3 A         2.88 A         5.96 A           Insulation Class         Q F         B         H         Current Full Load         2.3 A         2.88 A         5.96 A           Insulation Class         Q F         B B         H         Current Full Load         2.3 A         2.88 A         5.96 A           Attribude         Less than 1000 meter         Power Factorgai         3.0% B 3.0 %         8.30 %           Attribude         Less than 1000 meter         Power Factorgai  | Model No    | o.or RFQ No. |          |                       | Item No.    |                                       |                 | Rev. N         | o. [     | ]      |     |
| Frame Size         14ST         Rated Output         1.5 kW         2.0 HP           Type         PIP         Number of Poles         4           Benclosure(Protection)         Totally Enclosed / IPS5         Rotor Type         Squirrel Cage         70.0.1.         74.0.2           Method of Cooling         IC111(RC)         Rated Voltage         57.5 V         460 V         230 V         208 A         5.96 A           Insulation Class         2.7 B         B         H         Locket cortor#         830 %         830 %         830 %         830 %         830 %         830 %         830 %         830 %         90.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.   | Project N   | ame          |          |                       | Project No. |                                       |                 | Quanti         | ty       | sets   |     |
| Frame Size         [45T]         Rated Output         1.5 kW         2.0 HP           Type         PIP         Number of Poles         4           Bendostre(Protection)         Totally Enclosed / IP55         Rotor Type         Squirrel Cage         Type           Method of Cooling         IC111(FC)         Rated Frequency         60 ILz         Rated Votage         575 V         400 V         230 V           Number of Phases         3         Current Methods         2.39 A         2.39 A         5.96 A           Insulation Class         2.5 F         80         Gene C         75% Load         83.5 %           Motor Location         2 Indoor         Outdoor         Power Factor(Pa)         75% Load         85.5 %           Aubient Temp.         40 deg. C         (Max.)         Dev Factor(Pa)         75% Load         0.580           Duty Type         Continuos(S1)         Speed at Full Load         1745 r.p.m         70% Load         0.3730           Bearing         Dir.N-DE         62052ZC2 / 6204ZZC3         Forue         Full Load         6.1 lb.ft           Locked crotor*         245 %         Termation         100% Load         0.378 hold         200 %           Coupling Method         2 Direct         V-Seit   | (           |              |          |                       |             |                                       |                 |                |          |        |     |
| Type         PIP         Number of Poles         4           Enclosure/Protection         Troll percessor         Squired Equency         60 Hz         Rated Vorlage         String Method*         7 [D.O.I.         □ Y - △           Rated Verlag         575 VI         4.00 VI         2.30 VI         Rated Vorlage         575 VI         4.00 VI         2.30 VI           Number of Phases         3         Current         Full Load         2.39 AI         2.59 AI         5.50 AI           Torp. Kise at full load (by resistance method)         Efficiency         Efficiency         S0% Load         855 %         100% Load         855 %           Altitude         Less than         100 meter         100% Load         855 %         100% Load         855 %           Daty Type         Continuous (S1)         Soreir e Factor         1.0         50% Load         0.580         1.0           Mouning         B3         Speed at Pull Load         1.745 r.p.m         100% Load         0.730           String Method         Direct         V-Beit         Molent of face         1.0         1.0           String Method         Direct         V-Beit         Molent of face         2.00 %         2.0           Coupting Method         Direct         <   |             |              |          |                       |             | Rated Ou                              |                 |                |          | 2.0 HP |     |
| Eacloser(Protection)         Totally Enclosed / IP55         Rotor Type         Squirrel Cage  | Type        |              |          |                       |             | <u>^</u>                              |                 | 4              |          |        |     |
| Method of Cooling         IC411[FC)         Starting Method*         D.L         T.Y.A           Rated Frequency         60 Hz         Rated Voltage         575 V         460 V         230 V           Number of Phases         3         Current Fuil Load         2.39 A         2.98 A         596 A           Insulation Class         UF         B         H         Includion         2.39 A         2.98 A         596 A           Mothor Location         I/F         B         H         Includion         2.39 A         2.98 A         596 A           Motor Location         I/O add yes         Bit I/O S F         80 deg. C         Includion         50% Load         83.5 %         Includion         75% Load         85.5 %         Includion         Includion <td></td> <td>(Protection)</td> <td>Totally</td> <td>Enclosed / IP55</td> <td></td> <td>Rotor Ty</td> <td>pe</td> <td>Squirrel Cag</td> <td>e</td> <td></td> <td></td>  |             | (Protection) | Totally  | Enclosed / IP55       |             | Rotor Ty                              | pe              | Squirrel Cag   | e        |        |     |
| Rated Frequency         60 Hz         Rated Voltage         57 5 V         460 V         230 V           Number of Phases         3         Current         Full Load         2.39 A         2.98 A         5.96 A           Insulation Class         □ F         0 deg. C         Store         830 %   |             |              |          |                       |             |                                       |                 |                |          | - ^    |     |
| Number of Phases         3         Current         Full Load         2.39 A         2.98 A         5.96 A           Issulation Class         PF         B         H         Locked-rotor*         830 %         830 %         830 %         830 %         830 %         830 %         830 %         830 %         %3   |             | -            |          |                       |             |                                       | ]               |                |          | V      |     |
| Insulation Class         □ F         □ B         □ H         Locked-rotor+*         830 %         75% Load         85.5 %         1000 meter         100% Load         85.5 %         100% Load         85.5 %         100% Load         0.580         100% Load         0.580         100% Load         0.580         100% Load         0.730         100% Load         1.745 r.p.m         100% Load         1.75% Load         0.830 %         100% Load         1.75% Load         0.830 %         100% Load         1.75% Load         0.830 %         1.75% Load         0.75% Load  |             |              |          |                       |             |                                       |                 |                |          |        |     |
| Temp. Rise at full load (by resistance method)       Efficiency         at 10 S.P.       80 deg. C         Motor Location       [D] Indoor         Attitude       Less than         Less than       1000 meter         Relative Humidity       Less than         Ambient Temp.       40 deg. C         Ambient Temp.       40 deg. C         Moment Temp.       40 deg. C         Mounting       B3         Service Factor 1.0       00% Load         Mounting       B3         Everal Thrust       Not applicable         Coupling Method       CDDrect         Coupling Method       Clorest         Direct       V-Belt         Moment of Inerria (D)       Locad(Max.)         Staft Extension       171 Single         Dubic       Cast Iron         Moior       0.073 lb.ft2         Motor       Sound Pressure Level (No-load & mean value at Im from motor)         Location       Refer to Outline Drawing         Application       Haradous         Application       Haradous         Applicable Standard       NEMA MG1, CSA C390         Paint       Munsell No.       4.0PB54//5.5(VL.451)         ACCESSORIES  | Insulation  | Class        | _        |                       |             |                                       |                 |                |          |        |     |
| git 10.5 F         80 deg. C         50% Load         83.5 %           Motor Location         12 Indoor         Outdoor         75% Load         83.5 %           Altitude         Less than         80 %         75% Load         85.5 %           Relative Humidity         Less than         80 %         75% Load         85.5 %           Ambient Temp.         40 deg. C         (Max.)         75% Load         0.580           Duty Type         Continuous (S1)         50% Load         0.580         0.080           Service Factor         1.0         0.0730         0.0730         0.0730           Mounting         B3         Speed at Full Load         6.1 lb.ft         0.680           Lobricant         Grease         Fall Load         6.1 lb.ft         0.0730           Coupling Method         Direct         V-Belt         Moment of Inertia (J)         0.078 lb.ft2           Shaft Extension         I Single         Double         0.078 lb.ft2         0.078 lb.ft2           Terminal         Main         Aux.         Vers         No         Sound Pressure Level (No-load & mean value at 1m from motor)           Location         Refer to Outline Drawing         Vibration         3.8 mm/sec (peak)           Area classifica  |             |              |          |                       |             |                                       |                 |                |          | , -    |     |
| Motor Location       I Indoor       Outdoor         Altitude       Lass than 1000 meter       75% Load       85.5 %         Relative Humidity       Less than 80 %       Power Pactorp(1)  |             |              |          |                       |             |                                       |                 |                |          |        |     |
| Altiude         Less than         1000         meter         100%         Load         86.5 %           Relative Humidity         Less than         80 %         Power Factor(p.u)         Topower Factor Fac |             |              |          |                       |             |                                       |                 |                |          |        |     |
| Relative Humidity       Less than       80 %       Power Factor(p,u)         Ambient Temp.       40 deg. C (Max.)       50% Load       0.580         Duty Type       Continuous (S1)       50% Load       0.680         Service Factor       1.0       75% Load       0.680         Mounting       B3       Speed at Full Load       1745 r.p.m         Type       Anti-Friction       Torque       Full Load       1745 r.p.m         Bearing       DEN.DE       6205ZZG3       / 6204ZZC3       External Thrust       Not applicable         Coupting Method       I Direct       V-Belt       Moment of Inertia (J)       Locked-rotor+*       245 %         Bart Extension       Ø single       Double       Load(Max.)       15.365 lb.ft2         Terminal       Main       Aluminum       Cast Iron       Sound Pressure Level (No-loa& & mean value at Im from motor)         Locadin       Refer to Outline Drawing       Vibration       3.8 mn/sec (peak)         Area classification       Hazardous       Permissible number of Cold 3 times         Type of Ex-Protection       Cass I & IL Division 2       Cold 3 times         Applicable Standard       NEMA MGI (CSA C390       Paint       Munsell No.       4.0PB5.4/5.CVL-451)         ACCESS  |             |              |          |                       |             |                                       |                 |                |          |        |     |
| Ambient Temp.       40 deg. C (Max.)         Duty Type       Continuous (S1)         Sorvice Factor       1.0         Mounting       B3         Service Factor       1.0         Mounting       B3         Type       Anti-Friction         Bearing       DEN-DE         DEN-DE       G205ZC3         Lubricant       Grease         External Thrust       Not applicable         Oupling Method       D Direct       V-Belt         Main       Aluminum I? Cast Iron         Box       Aux.       Yes< I No   |             | Humidity     |          |                       |             |                                       |                 |                |          |        |     |
| Duty Type       Continuous (S1)       75% Load       0.680         Service Factor       1.0       75% Load       0.730         Mounting       B3       Speed at Full Load       1745 r.p.m         Type       Anti-Friction       Torque       Full Load       1745 r.p.m         Bearing       DE/N-DE       62057ZC3 / 6204ZZC3       External Thrust       Not applicable       Locked-rotor*       245 %         External Thrust       Not applicable       Dubbe       Load(Max.)       15.365 lb.ft2         Terminal       Main       Aluminum       Cast Iron       Sound Pressure Level (No-load & mean value at Im from motor)         Aux.       Yes       No       Sound Pressure Level (No-load & mean value at Im from motor)         Area classification       Hazardous       Permissible number of       Cold 3 times         Type of Ex-Protection       REMARK       Outline Drawing       Motor       Author 2 times         Applicatioa       NEMA MG1, CSA C390       Paint       Mussell No.       4.0PB5.4/5.5(VL-451)         ACCESSORIES       SUBMITTAL DRAWING       Outline Drawing       Motor Weight(Approx.)         B3       LM-T2145B3PLV23       55 lb.       S1b.         SPARE PARTS       -       -       -       -  |             |              |          |                       |             |                                       |                 |                |          |        |     |
| Service Factor       1.0       10/0% Load       0.730         Mounting       B3       Speed at Full Load       1745 r.p.m         Bearing       DE/N-DE       6205ZZC3 / 6204ZZC3       Coupling         Lubricant       Grease       External Thrust       Not applicable       Full Load       6.1 lb.ft         External Thrust       Not applicable       Breakdown**       280 %       Coupling Method       Image:  |             | <u> </u>     |          |                       |             |                                       |                 |                |          |        |     |
| Mounting     B3     Speed at Full Load     1745 r.p.m       Bearing<br>DENDE     ColoszzC3 / 6204ZZC3<br>Lubricant     Torque     Torque       Full Load     6.1 lb.ft       Coupling Method     Direct     V-Belt       Shaft Extension     Isingle     Double       Terminal     Main     Cast Iron       Main     Cast Iron     Motor     0.078 lb.ft2       Box     Aux     Yes     No       Application     Refer to Outline Drawing     Sound Pressure Level (No-load & mean value at Im from motor)       Area classification     Hazardous     Yibration     3.8 mm/sec (peak)       Application     Accessor     Cold 3 times     Outline Dimension Drawing     Motor       ACCESSORIES     Vibration     3.8 mm/sec (peak)     Statestast       Applicable Standard     NEMA MG1, CSA C390     Paint     Munsell No.     4.0P55.4/5.5(VL-451)       ACCESSORIES     SUBMITTAL DRAWING     Outline Dimension Drawing     Motor Weight(Approx.)       B3     LM-T2145B3PLV23     55 lb.       SPARE PARTS    10:1 VT     .10:1 CT    10:1 VT       SPARE PARTS    20ss I, Division 2 Group A, B, C & D     Class I, Division 2 Group A, B, C & D       Class II, Division 2 Group E, F & G (Group E : up to 320Fr.)     4. Service Factor 1.15 and Temperature rise  |             |              |          |                       |             |                                       |                 |                |          |        |     |
| Type       Anti-Friction         Bearing       DE/N-DE       6205ZZC3 / 6204ZZC3         Lubricant       Grease         External Thrust       Not applicable         Coupling Method       Direct       V-Belt         Shaft Extension       Ø Single       Double         Terminal       Main       Auminum       Cast Iron         Main       Aux.       Yes       No         Soud       Aux.       Yes       No         Application       4.400000000000000000000000000000000000  |             |              |          |                       |             | Speed at                              |                 |                |          |        |     |
| Bearing       DE/N-DE       6205ZZC3       / 6204ZZC3         Lubricant       Grease       Locked-rotor**       245 %         External Trust       Not applicable       Breakdown**       280 %         Coupling Method       2 Direct       V-Belt       Moment of Inertia (J)         Shaft Extension       2 Single       Double       Load(Max.)       15.365 lb.ft2         Terminal       Main       Aluminum       Cast Iron       Sound Pressure Level (No-load & mean value at 1m from motor)         Location       Refer to Outline Drawing       56 dB(A)         Area classification       Hazardous       Permissible number of Cold 3 times         Type of Ex-Protection       Class 1 & II, Division 2       consecutive starts       Hot 2 times         Applicable       Standard       NEMA MG1, CSA C390       Paint       Musell No.       4.0PB5.4/5.5(VL-451)         ACCESSORIES       Vibration       Bas       LM-T2145B3PLV23       55 lb.         EXAMPHICAL       Division 2, Cast I, Division 2, Core Factor & F Temperature rise       . 10:1 VT (20:1 VT at 50% load)       . 10:1 CT         .       .       .       Strike Same Same Same Same Same Same Same Sam   | mounting    |              |          | iction                |             | •                                     | 20 <b>uu</b>    | 1745           | P        |        |     |
| Lubricant       Grease       Locked-rotor*       245 %         External Thrust       Not applicable       Breakdown**       280 %         Coupling Method       Direct       V-Belt       Moment of Inertia (J)         Shaft External Main       Atuminum       Cast Iron       Locked-rotor**       280 %         Box       Aux.       Q Yes       No       Sound Pressure Level (No-load & mean value at 1m from motor)         Lockation       Refer to Outline Drawing       55 dB(A)         Area classification       Hazardous       Permissible number of Cold 3 times         Type of Ex-Protection Class I & II, Division 2       consecutive starts       Hot 2 times         Applicable Standard       NEMA MG1, CSA C390       Paint       Munsell No.       4.0PB5.4/5.5(VL-451)         ACCESSORIES       SUBMITTAL DRAWING       Outline Dimension Drawing \ Motor Weight(Approx.)       B3       LM-T2145B3PLV23       55 b.         SPARE PARTS       . 10: 1 VT (20: 1 VT at 50% load)       . 10: 1 VT (20: 1 VT at 50% load)       . 10: 1 CT       . Cass I, Division 2, Group A, B, C & D       . Cass I, Division 2, Group A, B, C & D       . Cass I, Division 2, Group A, B, C & D       . Cass I, Division 2, Group A, B, C & D       . Cass I, Division 2, Group A, B, C & D       . Cass I, Division 2, Group A, B, C & D       . Cass I, Division 2, Group A, B, C & D       . Cass Vite  | Bearing     |              |          |                       | 20477C3     |                                       | Full Load       | 61             | lh ft    |        |     |
| External Thrust       Not applicable       Breakdown**       280 %         Coupling Method       Direct       V-Belt       Moment of Inertia (J)       Load(Max.)       15.365 lb.ft2         Shaft Extension       I Single       Double       More       15.365 lb.ft2       Image: Coupling Method       Direct       V-Belt         Box       Aux.       Yes       No       Sound Pressure Level (No-load & mean value at Im from motor)         Box       Aux.       Yes       No       Sound Pressure Level (No-load & mean value at Im from motor)         Application       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       Class I & II, Division 2       consecutive starts       Hot 2 times         Applicable Standard       NEMA MG1, CSA C390       Paint       Munsell No.       4.0PB5.4/5.5(VL-451)         ACCESSORIES       SUBMITTAL DRAWING       Outline Dimension Drawing       Motor Weight(Approx.)       B3       LM-T2145B3PLV23       55 lb.         Image: Part Duty       I. Premium efficiency according to NEMA MG1       2. Inverter Duty @ 1.0 Service Factor & F Temperature rise       . 10:1 CT       . CHs pu to 1.5 times base speed , NEMA MG1 Part31       . CSA Certifi  | Dearing     |              |          |                       | 2012203     |                                       |                 |                |          |        |     |
| Coupling Method       Direct       V-Belt       Moment of Inertia (J)         Shaft Extension       Isingle       Double       Load(Max.)       15.365 lb.ft2         Terminal       Main       Aluminum       Cast Iron       Motor       0.078 lb.ft2         Box       Aux.       Yes       No       Sound Pressure Level (No-load & mean value at Im from motor)         Box       Aux.       Yes       No       Sound Pressure Level (No-load & mean value at Im from motor)         Area classification       Hazardous       Permissible number of Cold 3 times       Consecutive starts       Hot 2 times         Applicable Standard       NEMA MG1, CSA C390       Paint       Munsell No.       4.0PB5.4/5.5(VL-451)         ACCESSORIES       Outline Dimension Drawing       \ Motor Weight(Approx.)         B3       LM-T2145B3PLV23       55 lb.         CH2       Inve   | External    |              |          |                       |             |                                       |                 |                |          |        |     |
| Shaft Extension       Image: Single       Double       Load(Max.)       15.365 lb.ft2         Terminal       Main       Aluminum       Cast Iron       Motor       0.078 lb.ft2         Box       Aux.       Yes       No       Sound Pressure Level (No-load & mean value at Im from motor)         Location       Refer to Outline Drawing       56 dB(A)         Area classification       Hazardous       Permissible number of       Cold       3 times         Type of Ex-Protection       Class 1 & II, Division 2       conscutive starts       Hot       2 times         Applicable Standard       NEMA MGI, CSA C390       Paint       Munsell No.       4.0PB54/5.5VL-451)         ACCESSORIES       SUBMITTAL DRAWING       Outline Dimension Drawing \ Motor Weight(Approx.)       B3       LM-T2145B3PLV23       55 lb.         Bait       I.Merter Duty @ 1.0 Service Factor & F Temperature rise       - 10:1 VT (20:1 VT at 50% load)       - 10:1 CT       - Class I, Division 2, Group A, B, C & D       - Class I, Division 2, Group A, B, C & D       - Class I, Division 2, Group E, F & G (Group E : up to 320Fr.)         SPARE PARTS       Service Factor 1.25 is aplicable to motors of 100HP or less with temperature rise F & Non-Hazardous.       - Class I, Division 2, Group A, B, C & D       - Class I, Division 2, Group E, F & G (Group E : up to 320Fr.)       - Service Factor 1.25 is aplicable to motors of 100HP or  |             |              |          |                       |             |                                       |                 | 200            | /0       |        |     |
| Terminal       Main       Aluminum       Cast Iron       Motor       0.078 lb.ft2         Box       Aux.       Yes       No       Sound Pressure Level (No-load & mean value at 1m from motor)         Application       Refer to Outline Drawing       56 dB(A)         Application       Hazardous       Permissible number of       Cold 3 times         Type of Ex-Protection       Class I & II, Division 2       consecutive starts       Hot 2 times         Applicable       Standard       NEMA MG1, CSA C390       Paint       Munsell No.       4.0PB5.4/5.5(VL-451)         ACCESSORIES       Outline Dimension Drawing       Motor Weight(Approx.)       B3       LM-T2145B3PLV23       55 lb.         Image: Space Parts       Femium efficiency according to NEMA MG1       1. Premium efficiency according to NEMA MG1       1. Inverter Duty @ 1.0 Service Factor & F Temperature rise       . 10:1 CT       . CHP up to 1.5 times base speed , NEMA MG1 Part31       3. CSA Certification       . Class I, Division 2 Group A, B, C & D       . Class I, Division 2 Group E, F & G (Group E : up to 320Fr.)       4. Service Factor 1.15 and Temperature rise B are applicable under the condition of sine wave power.       5. Service Factor 1.25 is applicable to motors of 100HP or less with temperature rise F & Non-Hazardous.  |             |              |          |                       | Wioment     |                                       | 15,365          | lb.ft2         |          |        |     |
| Box       Aux.       Yes       No       Sound Pressure Level (No-load & mean value at 1m from motor)         Location       Refer to Outline Drawing       56 dB(A)         Application       3.8 mm/sec (peak)         Area classification       Hazardous       Permissible number of<br>consecutive starts       Cold       3 times         Applicable Standard       NEMA MGI, CSA C390       Paint       Munsell No.       4.0PB5.4/5.5(VL-451)         ACCESSORIES       SUBMITTAL DRAWING         Outline Dimension Drawing       \ Motor Weight(Approx.)         B3       LM-T2145B3PLV23       55 lb.         REMARK       I. Premium efficiency according to NEMA MG1         2. Inverter Duty @ 1.0 Service Factor & F Temperature rise       - 10:1 VT (20:1 VT at 50% load)         - 10:1 CT       - Class I, Division 2, Group A, B, C & D         - Class I, Division 2, Group A, B, C & D       - Class I, Division 2, Group A, B, C & D         - Class I, Division 2, Group E, F & G (Group E : up to 320Fr.)       4. Service Factor 1.15 and Temperature rise B are applicable         SPARE PARTS       Date       DSND       CHKD       APPD  |             |              | -        | •                     |             |                                       |                 |                |          |        |     |
| Location       Refer to Outline Drawing       56 dB(A)         Application       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       Hot 2 times         Applicable Standard       NEMA MGI, CSA C390       Paint       Munsell No.       4.0PB5.4/5.5(VL-451)         ACCESSORIES       SUBMITTAL DRAWING       Outline Dimension Drawing \ Motor Weight(Approx.)       B3       LM-T2145B3PLV23       55 lb.         Image: Standard       KEMARK       Image: Standard       Standard       NEMA MG1         Image: Standard       Image: Standard       NEMA MG1       Image: Standard       Standard         ACCESSORIES       Image: Standard       Image: Standard       Image: Standard       Standard         ACCESSORIES       Image: Standard       Motor Weight(Approx.)       Image: Standard       Image: Standard         ACCESSORIES       Image: Standard       Image: Standard       Motor Weight(Approx.)       Image: Standard         Image: Standard       KemArk       Image: Standard       Image: Standard       Image: Standard         Image: Standard       KemArk       Image: Standard       Image: Standard       Image: Standard  |             |              |          |                       |             |                                       |                 |                |          |        | or) |
| Application       Hazardous       Permissible number of consecutive starts       Cold 3 times         Type of Ex-Protection       Class I & II, Division 2       consecutive starts       Hot 2 times         Applicable Standard       NEMA MG1, CSA C390       Paint       Munsell No.       4.0PB5.4/5.5(VL-451)         ACCESSORIES       SUBMITTAL DRAWING       Outline Dimension Drawing       \ Motor Weight(Approx.)         B3       LM-T2145B3PLV23       55 lb.         B3       LM-T2145B3PLV23       55 lb.         Maxee       I. Premium efficiency according to NEMA MG1         2. Inverter Duty @ 1.0 Service Factor & F Temperature rise      0:1 VT (20:1 VT at 50% load)        10:1 VT (20:1 VT at 50% load)      10:1 CT        Class I, Division 2, Group A, B, C & D      Class I, Division 2, Group A, B, C & D        Class I, Division 2, Group E, F & G (Group E : up to 320Fr.)       4. Service Factor 1.15 and Temperature rise B are applicable         under the condition of sine wave power.       5. Service Factor 1.25 is applicable to motors of 100HP or less with temperature rise F & Non-Hazardous.   | DOM         |              |          |                       |             |                                       |                 |                |          | 51)    |     |
| Area classification       Hazardous       Permissible number of consecutive starts       Cold       3 times         Applicable Standard       NEMA MGI, CSA C390       Paint       Munsell No.       4.0PB5.4/5.5(VL-451)         ACCESSORIES       SUBMITTAL DRAWING       Outline Dimension Drawing       Motor Weight(Approx.)         B3       LM-T2145B3PLV23       55 lb.         B3       LM-T2145B3PLV23       55 lb.         Motor Weight(Approx.)       B3       LM-T2145B3PLV23       55 lb.         B3       LM-T2145B3PLV23       55 lb.       Second and and and another the condition of the second and another the second and another the condition of the second and another the condition of the second and another the condition of sine wave power.         SPARE PARTS       Class I, Division 2, Group A, B, C & D       . Class I, Division 2, Group A, B, C & D         Class I, Division 2, Group E, F & G (Group E : up to 320Fr.)       4. Service Factor 1.15 and Temperature rise B are applicable under the condition of sine wave power.         Service Factor 1.25 is applicable to motors of 100HP or less with temperature rise F & Non-Hazardous.         Date       DSND       CHKD       CHKD  | Applicatio  |              | 110101 0 | o o utilite D fu ling |             |                                       |                 |                |          |        |     |
| Type of Ex-Protection       Class I & II, Division 2       consecutive starts       Hot       2 times         Applicable Standard       NEMA MG1, CSA C390       Paint       Munsell No.       4.0PB5.4/5.5(VL-451)         ACCESSORIES       SUBMITTAL DRAWING       Outline Dimension Drawing \ Motor Weight(Approx.)       B3       LM-T2145B3PLV23       55 lb.         B3       LM-T2145B3PLV23       55 lb.       Image: Consecutive starts       Image: Consecutive starts       Image: Consecutive starts         REMARK       Image: Consecutive starts       Image: Consecutive starts       Image: Consecutive starts       Image: Consecutive starts         SPARE PARTS       Image: Consecutive starts       Image: Consecutive starts       Image: Consecutive starts       Image: Consecutive starts         SPARE PARTS       Image: Consecutive starts       Image: Consecutive starts       Image: Consecutive starts       Image: Consecutive starts         SPARE PARTS       Image: Consecutive starts       Image: Consecutive starts       Image: Consecutive starts       Image: Consecutive starts         SPARE PARTS       Image: Consecutive starts       Image: Consecutive starts       Image: Consecutive starts         SPARE PARTS       Image: Consecutive starts       Image: Consecutive starts       Image: Consecutive starts         SPARE PARTS       Image: Consecutive starts       Im  |             |              | Hazard   | ous                   |             | · · · · · · · · · · · · · · · · · · · |                 |                |          |        |     |
| Applicable Standard       NEMA MG1, CSA C390       Paint       Munsell No.       4.0PB5.4/5.5(VL-451)         ACCESSORIES       SUBMITTAL DRAWING         Outline Dimension Drawing       Motor Weight(Approx.)         B3       LM-T2145B3PLV23       55 lb.         REMARK       Inverter Duty @ 1.0 Service Factor & F Temperature rise         . 10:1 VT (20:1 VT at 50% load)       . 10:1 VT (20:1 VT at 50% load)         . 10:1 CT       . CHP up to 1.5 times base speed , NEMA MG1 Part31         3. CSA Certification       . Class I, Division 2, Group A, B, C & D         . Class I, Division 2 Group E, F & G (Group E : up to 320Fr.)       4. Service Factor 1.15 is applicable to motors of 100HP or less with temperature rise F & Non-Hazardous.         Date       DSND       CHKD       APPD   |             |              | Class I  | & II. Division 2      |             |                                       |                 |                |          |        |     |
| ACCESSORIES       SUBMITTAL DRAWING         Outline Dimension Drawing       Motor Weight(Approx.)         B3       LM-T2145B3PLV23       55 lb.         B3       LM-T2145B3PLV23       55 lb.         REMARK       1. Premium efficiency according to NEMA MG1         2. Inverter Duty @ 1.0 Service Factor & F Temperature rise         10:1 VT (20:1 VT at 50% load)         10:1 CT         CHP up to 1.5 times base speed , NEMA MG1 Part31         3. CSA Certification         Class I, Division 2, Group A, B, C & D         Class II, Division 2, Group A, B, C & D         Class II, Division 2, Group E, F & G (Group E : up to 320Fr.)         4. Service Factor 1.15 and Temperature rise B are applicable         under the condition of sine wave power.         5. Service Factor 1.25 is applicable to motors of 100HP or less         with temperature rise F & Non-Hazardous.   | • •         |              |          |                       |             |                                       |                 |                |          |        |     |
| Outline Dimension Drawing       Motor Weight(Approx.)         B3       LM-T2145B3PLV23       55 lb.         B3       LM-T2145B3PLV23       55 lb.         REMARK   |             |              |          |                       |             |                                       |                 |                |          |        |     |
| B3       LM-T2145B3PLV23       55 lb.         B4       Premium efficiency according to NEMA MG1       Pate         B4       DSND       CHKD       CHKD         APPD       CHKD       CHKD       APPD   |             |              |          |                       |             |                                       |                 |                |          |        | )   |
| 1. Premium efficiency according to NEMA MG1         2. Inverter Duty @ 1.0 Service Factor & F Temperature rise         10:1 VT (20:1 VT at 50% load)         10:1 CT         CHP up to 1.5 times base speed , NEMA MG1 Part31         3. CSA Certification         Class I, Division 2, Group A, B, C & D         Class II, Division 2 Group E, F & G (Group E : up to 320Fr.)         4. Service Factor 1.15 and Temperature rise B are applicable under the condition of sine wave power.         5. Service Factor 1.25 is applicable to motors of 100HP or less with temperature rise F & Non-Hazardous.         Date       DSND       CHKD       CHKD       APPD  |             |              |          |                       |             |                                       | B3              | LM-T2145E      |          |        | ,   |
| 1. Premium efficiency according to NEMA MG1         2. Inverter Duty @ 1.0 Service Factor & F Temperature rise         10:1 VT (20:1 VT at 50% load)         10:1 CT         CHP up to 1.5 times base speed , NEMA MG1 Part31         3. CSA Certification         Class I, Division 2, Group A, B, C & D         Class II, Division 2 Group E, F & G (Group E : up to 320Fr.)         4. Service Factor 1.15 and Temperature rise B are applicable under the condition of sine wave power.         5. Service Factor 1.25 is applicable to motors of 100HP or less with temperature rise F & Non-Hazardous.         Date       DSND       CHKD       CHKD       APPD  |             |              |          |                       |             |                                       | Į               |                |          |        |     |
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| 1. Premium efficiency according to NEMA MG1         2. Inverter Duty @ 1.0 Service Factor & F Temperature rise         10:1 VT (20:1 VT at 50% load)         10:1 CT         CHP up to 1.5 times base speed , NEMA MG1 Part31         3. CSA Certification         Class I, Division 2, Group A, B, C & D         Class II, Division 2 Group E, F & G (Group E : up to 320Fr.)         4. Service Factor 1.15 and Temperature rise B are applicable under the condition of sine wave power.         5. Service Factor 1.25 is applicable to motors of 100HP or less with temperature rise F & Non-Hazardous.         Date       DSND       CHKD       CHKD       APPD  |             |              |          |                       |             |                                       |                 |                |          |        |     |
| 2. Inverter Duty @ 1.0 Service Factor & F Temperature rise<br>10:1 VT (20:1 VT at 50% load)<br>10:1 CT<br>CHP up to 1.5 times base speed , NEMA MG1 Part31<br>3. CSA Certification<br>Class I, Division 2, Group A, B, C & D<br>Class II, Division 2 Group E, F & G (Group E : up to 320Fr.)<br>4. Service Factor 1.15 and Temperature rise B are applicable<br>under the condition of sine wave power.<br>5. Service Factor 1.25 is applicable to motors of 100HP or less<br>   |             |              |          |                       |             | REMARI                                | K               |                |          |        |     |
| 2. Inverter Duty @ 1.0 Service Factor & F Temperature rise<br>10:1 VT (20:1 VT at 50% load)<br>10:1 CT<br>CHP up to 1.5 times base speed , NEMA MG1 Part31<br>3. CSA Certification<br>Class I, Division 2, Group A, B, C & D<br>Class II, Division 2 Group E, F & G (Group E : up to 320Fr.)<br>4. Service Factor 1.15 and Temperature rise B are applicable<br>under the condition of sine wave power.<br>5. Service Factor 1.25 is applicable to motors of 100HP or less<br>with temperature rise F & Non-Hazardous.DateDSNDCHKDCHKDAPPD   |             |              |          |                       |             | 1. Prem                               | nium efficiency | according to 1 | NEMA MG1 |        |     |
| 10:1 VT (20:1 VT at 50% load)         10:1 CT         CHP up to 1.5 times base speed , NEMA MG1 Part31         3. CSA Certification         Class I, Division 2, Group A, B, C & D         Class II, Division 2 Group E, F & G (Group E : up to 320Fr.)         4. Service Factor 1.15 and Temperature rise B are applicable under the condition of sine wave power.         5. Service Factor 1.25 is applicable to motors of 100HP or less with temperature rise F & Non-Hazardous.         Date       DSND       CHKD       CHKD       APPD   |             |              |          |                       |             |                                       | •               | -              |          |        |     |
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| 3. CSA Certification         Class I, Division 2, Group A, B, C & D         Class II, Division 2 Group E, F & G (Group E : up to 320Fr.)         4. Service Factor 1.15 and Temperature rise B are applicable under the condition of sine wave power.         5. Service Factor 1.25 is applicable to motors of 100HP or less with temperature rise F & Non-Hazardous.         Date       DSND       CHKD       CHKD       APPD  |             |              |          |                       |             |                                       |                 |                |          |        |     |
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| SPARE PARTS       Class I, Division 2, Group A, B, C & D         Class II, Division 2 Group E, F & G (Group E : up to 320Fr.)         4. Service Factor 1.15 and Temperature rise B are applicable         under the condition of sine wave power.         5. Service Factor 1.25 is applicable to motors of 100HP or less         with temperature rise F & Non-Hazardous.         Date       DSND       CHKD       CHKD       APPD   |             |              |          |                       |             |                                       |                 |                |          |        |     |
| Class II, Division 2 Group E, F & G (Group E : up to 320Fr.)         4. Service Factor 1.15 and Temperature rise B are applicable<br>under the condition of sine wave power.         5. Service Factor 1.25 is applicable to motors of 100HP or less<br>with temperature rise F & Non-Hazardous.         Date       DSND       CHKD       CHKD       APPD  | SPARE PARTS |              |          |                       |             |                                       |                 |                |          |        |     |
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| under the condition of sine wave power.         5. Service Factor 1.25 is applicable to motors of 100HP or less with temperature rise F & Non-Hazardous.         Date       DSND       CHKD       APPD   |             |              |          |                       |             |                                       |                 |                |          |        |     |
| 5. Service Factor 1.25 is applicable to motors of 100HP or less with temperature rise F & Non-Hazardous.         Date       DSND       CHKD       APPD   |             |              |          |                       |             |                                       |                 |                |          |        |     |
| with temperature rise F & Non-Hazardous.     Date   DSND   CHKD   APPD   |             |              |          |                       |             | <u>^</u>                              |                 |                |          |        |     |
| Date DSND CHKD CHKD APPD   |             |              |          |                       |             |                                       |                 |                |          |        |     |
|  |             |              |          |                       |             | •                                     |                 |                |          |        |     |
| 2023-11-13 I.S. Ko S.H. Lee Y.K. Kim S.Y. Kim  |             |              |          |                       |             | Date                                  | DSND            | CHKD           | CHKD     | APPI   | D   |
|  |             |              |          |                       |             | 2023-11-                              | 13 LS Ko        | S.H. Lee       | Y.K. Kim | S.Y.K  | im  |
|  |             |              |          |                       |             | 1.5. 110                              | ~ Loo           |                | 5.1. K   |        |     |

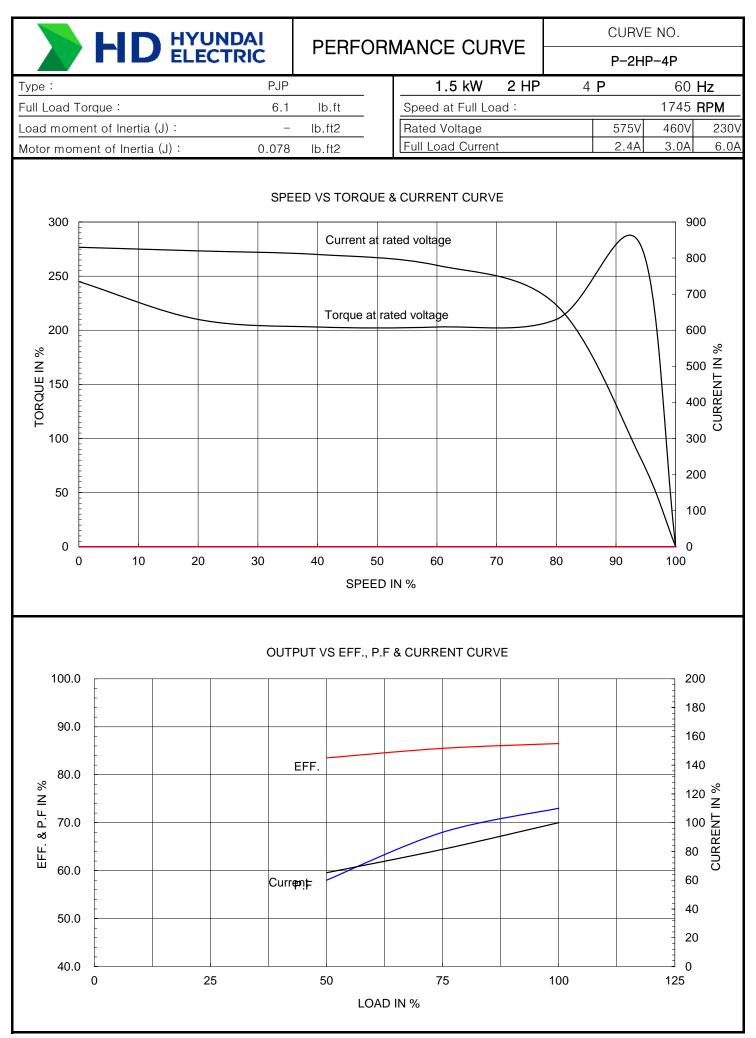
[Note] Others not mentioned in this data sheet shall be in accordance with maker standard.

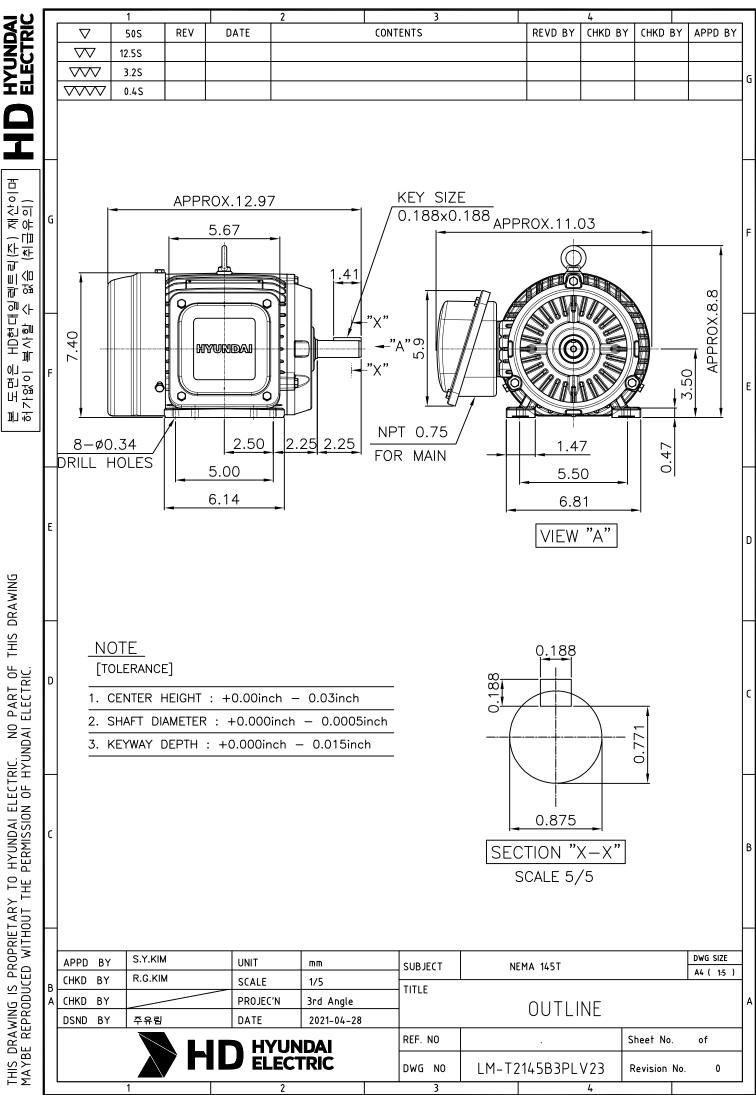
Above technical data are only design values and shall be guaranteed with tolerance of applicable standard.

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.





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