



| UNITS: INCHES  |  | NOTES:  |                           |
|--|--|---|---------------------------|
| ROTATION FROM NDE                                      |  | 1. MAIN CONDUIT BOX MAY BE ROTATED IN 90°   | INCREMENTS                |
|  |  | 2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPC<br>AVAILABLE ONLY BY CONNECTION CHANGE. | OSITE ROTATION            |
|  |  | 3. KEY DIMENSIONS EQUAL 0.75x0.75x5.62  | (MOTOR SUPPLIED WITH KEY) |
| TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHN    | ICAL IMPROVEMENT AND THE DATA MAY CHANGE V   | VITHOUT NOTICE  | PRELIMINARY               |
| DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICAT | ION PURPOSES UNLESS THE DRAWING IS MARKED AS | SCERTIFIED  | X CERTIFIED               |
|  | TOTALLY ENCLOSED FAN COOLED                  | DRAWING #: MDSLV001-08  |                           |
|  | HORIZONTAL FOOT MOUNT                        | REV. DATE: 08/16/17 REV. #: 3   | B PER.: J. HOCK           |
| www.toshiba.com/tic                                    | <b>3 PHASE INDUCTION MOTOR</b>               | REV. DESCRIP .: CHANGED DRAWING T   | ABLE FORMAT               |
| TOSHIBA INTERNATIONAL CORPORATION                      | 404T/405T F1 ASSEMBLY                        |   |                           |

| Issued By     dotted     Issued Rev       TPICAL MOTOR PERFORMANCE DATA       Mode:     TOTOLA MOTOR PERFORMANCE DATA       Mode:     TOTOLA MOTOR PERFORMANCE DATA       Mode:     TOTOLA MOTOR PERFORMANCE DATA       Mode:     Plass:        Violad:<   |  |                    |               |              |                 |            |        |             |            |
|--|--|--------------------|---------------|--------------|-----------------|------------|--------|-------------|------------|
| Control   Calculation     And the second |  |                    |               |              | Issued Date     |            |        |             |            |
| TYPICAL MOTOR PERFORMANCE DATA       Media:     INDEXESSION AP       Image:     Index interestion     Paire  |  |                    |               |              | Issued By       | dschoeck   |        | Issued Rev  |            |
| TPICAL MOTOR PERFORMANCE DATA       Media:     IDENSIDENTAP       Image:     IDENSIDENTAP       Image:     IDENSIDENTAP       Image:     IDENSIDENTAP       Image:     IDENSidentary     IDENside     IDENside <th>TUS</th> <th>SHIE</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>  | TUS  | SHIE               |               |              |                 |            |        |             |            |
| Index:     Weithing     KVA     Pole     FL RPM     Frame     Voltage     Hz     Phase     FL Anps       100     72     4     1775     4001     200460     NetA  |  |                    | TY            | PICAL MOTO   | R PERFORM       | ANCE DATA  |        |             |            |
| HP     KW     Pole     FL RPM     Frame     Voltage     Hz     Phase     FL Anps       100     75     4     1775     455     230480     60     3     23118       Enclosure     IP     Ins. Class     8.F.     Duty     NonER.     Design     KVA Code     Ambient<br>(°C)       TEPC     54     F     1.15     COAT     95.4     B     G     40.C       Load     100     74.6     115.7     55.5     94.6     54.0     72.1     55.0     94.6     55.0     94.6     55.0     55.0     94.6     55.0     95.0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>   |  |                    |               |              |                 |            |        |             |            |
| 100     75     4     1775     405T     200405     60     3     23/116       Enclosure     IP     Ins. Class     S.F.     Duty     NeRAA     NeRA     NVA Code     Amblem       1070     54     F     115     CONT     95.4     B     G     400       Load     HP     KW     Amperes     Efficiency (%)     Power Factor (%)       Violad     50.0     35.2     81.0     55.2     81.0       Violad     50.0     35.3     97.0     55.2     81.0       Violad     50.0     15.6     35.3     72.1     73.0       No Load     50.0     15.6     35.3     97.0     35.2     30.1       No Load     50.0     15.6     35.8     30.1     33.6     30.1       Violad     Locked Rotor     Pull Up     Break Down     (K PLT)     (K PLT)     (U PV PUL)       258     215     175     310     23.95       Safe Stall Time(s)     Sound     DE </td <td>Model:</td> <td>1004SDSR41A-P</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>   | Model:   | 1004SDSR41A-P      | 1             |              |                 |            |        |             |            |
| 100     75     4     1775     405T     200405     60     3     23/116       Enclosure     IP     Ins. Class     S.F.     Duty     NeRAA     NeRA     NVA Code     Amblem       1070     54     F     115     CONT     95.4     B     G     400       Load     HP     KW     Amperes     Efficiency (%)     Power Factor (%)       Violad     50.0     35.2     81.0     55.2     81.0       Violad     50.0     35.3     97.0     55.2     81.0       Violad     50.0     15.6     35.3     72.1     73.0       No Load     50.0     15.6     35.3     97.0     35.2     30.1       No Load     50.0     15.6     35.8     30.1     33.6     30.1       Violad     Locked Rotor     Pull Up     Break Down     (K PLT)     (K PLT)     (U PV PUL)       258     215     175     310     23.95       Safe Stall Time(s)     Sound     DE </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>   |  |                    |               |              |                 |            |        |             |            |
| Enclosure     IP     Ins. Class     S.F.     Duty     INER.     NEMA<br>Design     VA Code     Arbbit<br>(%)       TEFC     54     F     115     CONT     95.4     8     6     40.2       Load     HP     KW     Ampens     Efficiency (%)     Power Factor (%)     For all (%)     Fo   | HP   | kW                 | Pole          | FL RPM       | Frame           |            |        | Phase       |            |
| EffColution     IP     Ins. Class     S.F.     Duty     Nom. Eff.     Design     NVA Code     (*C)       TEPC     54     F     1.15     CONT     95.4     B     6     40°C       Load     HP     KW     Amperes     Efficiency (%)     Power Factor (%)       Viced     750     55.9     910     95.5     910     95.2     913       Stoad     2500     37.3     66.1     95.9     91.3     95.1     No. Load     90.0     77.1     95.4     80.2     91.3     No. Load     35.8     No. Load     35.8     No. Load     93.9     77.1     31.8     No. Load     36.8     No. Load     36.8     No. Load     36.8     No. Load     36.8     No. Load     No. Rotor wk'     Incrtia     (bc/t)     20.5     31.8     No. Load     No.  | 100  | 75                 | 4             | 1775         | 405T            | 230/460    | 60     | 3           | 231/116    |
| TEFC     54     F     115     CONT     964     B     C     40 C       Load     HP     KW     Amperes     Efficiency (%)     Power Factor (%)  | Enclosure  | ID                 | Ine Class     | S F          | Duty            | NEMA       | NEMA   | kVA Code    |            |
| Load     HP     KW     Angenes     Efficiency (%)     Power Factor (%)       Full Load     170     24.6     116.7     95.6     96.6     96.6       % Load     25.00     15.8     910     95.2     810       % Load     25.00     15.8     92.3     95.1     90.0     97.3       % Load     25.00     15.8     25.3     99.2     55.1     No. Load     56.0     96.6     97.0     35.8       Locked Rotor     725     35.6     97.1     (% Pull Up     Break Down     Notor wk*       full Load     Locked Rotor     725     31.0     25.55       Safe Stall Time(s)     Sound     Pressure     Bearings*     Approx. Motor Weight (bc)       16     3     75     6317C3     6315C3     6315C3       "Bearings are the only recommended spare part(s).     Motor Options:     Proset 3     Motor Options:       Prode Hem/; EP Godd SD Monting Food, Shaft T Smit     Sales Order     Project 3     Sales Order       Project 4     D     D     Do  | Eliciosule   | IF                 | 113. 01855    | 0.1 .        | Duty            | Nom. Eff.  | Design | KVA COUC    |            |
| Full Load     100     74.6     115.7     95.6     84.6       % Load     75.00     55.9     91.0     95.2     81.0       % Load     25.00     13.8     25.3     93.9     72.1       % Load     25.00     13.8     25.3     89.2     90.1       No Load     25.00     13.8     23.3     89.2     90.1       No Load     25.00     13.8     23.3     89.2     90.1       No Load     25.00     77.5     34.5     10.0     10.0       Locked Rotor     77.5     31.0     25.95     10.0     25.95       Safe Stall Time(s)     Sound     Pressure<br>dB(A) (§ 1M     DE     NDE     (Ib-rt)     (Ib-rt)       16     8     75     6317C3     6313C3     51.0     10.0     25.95       "Bearings are the only recommended spare part(s).     Motor Options:<br>Pressure<br>Gator Family-EP Gold SD       Wout Family-EP Gold SD<br>Mouting FooleG.Sheft T Sheft     Sales Order<br>Pressure<br>Sales Order     Doc Mites Mites Mitter Site  | TEFC   | 54                 | F             | 1.15         | CONT            | 95.4       | В      | G           | 40 C       |
| Full Load     100     74.6     115.7     95.6     84.6       % Load     75.00     55.9     91.0     95.2     81.0       % Load     25.00     13.8     25.3     93.9     72.1       % Load     25.00     13.8     25.3     89.2     90.1       No Load     25.00     13.8     23.3     89.2     90.1       No Load     25.00     13.8     23.3     89.2     90.1       No Load     25.00     77.5     34.5     10.0     10.0       Locked Rotor     77.5     31.0     25.95     10.0     25.95       Safe Stall Time(s)     Sound     Pressure<br>dB(A) (§ 1M     DE     NDE     (Ib-rt)     (Ib-rt)       16     8     75     6317C3     6313C3     51.0     10.0     25.95       "Bearings are the only recommended spare part(s).     Motor Options:<br>Pressure<br>Gator Family-EP Gold SD       Wout Family-EP Gold SD<br>Mouting FooleG.Sheft T Sheft     Sales Order<br>Pressure<br>Sales Order     Doc Mites Mites Mitter Site  |  |                    |               |              |                 |            |        |             |            |
| Full Load     100     74.6     115.7     95.6     84.6       % Load     75.00     55.9     91.0     95.2     81.0       % Load     25.00     13.8     25.3     93.9     72.1       % Load     25.00     13.8     25.3     89.2     90.1       No Load     25.00     13.8     23.3     89.2     90.1       No Load     25.00     13.8     23.3     89.2     90.1       No Load     25.00     77.5     34.5     10.0     10.0       Locked Rotor     77.5     31.0     25.95     10.0     25.95       Safe Stall Time(s)     Sound     Pressure<br>dB(A) (§ 1M     DE     NDE     (Ib-rt)     (Ib-rt)       16     8     75     6317C3     6313C3     51.0     10.0     25.95       "Bearings are the only recommended spare part(s).     Motor Options:<br>Pressure<br>Gator Family-EP Gold SD       Wout Family-EP Gold SD<br>Mouting FooleG.Sheft T Sheft     Sales Order<br>Pressure<br>Sales Order     Doc Mites Mites Mitter Site  |  |                    |               |              |                 |            |        |             |            |
| Full Load     100     74.6     115.7     95.6     84.6       % Load     75.00     55.9     91.0     95.2     81.0       % Load     25.00     13.8     25.3     93.9     72.1       % Load     25.00     13.8     25.3     89.2     90.1       No Load     25.00     13.8     23.3     89.2     90.1       No Load     25.00     13.8     23.3     89.2     90.1       No Load     25.00     77.5     34.5     10.0     10.0       Locked Rotor     77.5     31.0     25.95     10.0     25.95       Safe Stall Time(s)     Sound     Pressure<br>dB(A) (§ 1M     DE     NDE     (Ib-rt)     (Ib-rt)       16     8     75     6317C3     6313C3     51.0     10.0     25.95       "Bearings are the only recommended spare part(s).     Motor Options:<br>Pressure<br>Gator Family-EP Gold SD       Wout Family-EP Gold SD<br>Mouting FooleG.Sheft T Sheft     Sales Order<br>Pressure<br>Sales Order     Doc Mites Mites Mitter Site  |  |                    |               |              |                 |            |        |             |            |
| Vicad     75.00     95.9     91.0     95.2     81.0       Vicad     00.00     37.3     661     93.9     72.1       Vicad     25.00     18.6     52.3     89.2     50.1       No Load     25.00     18.6     52.3     89.2     50.1       No Load     25.00     18.6     52.3     89.2     50.1       Locked Rotor     72.5     34.5     36.     36.       Locked Rotor     72.5     34.5     36.     36.       Torque     Poll Up     Break Down     (inctra)     10.     25.95       Safe Stall Time(s)     Sound     Pressure     Mole Pressure     Approx. Motor Weight     (ib.4?)       16     8     75     6317C3     6313C3     5     5       Safe Stall Time(s)     Sound     Pressure     (ib.9)     10     5     5       16     8     75     6317C3     6313C3     5     5     5       Sater Decel Sound Sound Sound Soure part  |  | HP                 | kW            | Amp          | eres            | Efficiency | (%)    | Power Fa    | ictor (%)  |
| % Load     93.00     97.3     69.1     93.9     72.1       % Load     25.90     18.6     52.3     89.2     50.1       No Load     38.8     3.6     3.6     3.6       Locked Rotor     72.5     34.6     3.6       Torque     Rotor w/c       Full Load     Locked Rotor     Pull Up     Break Down (b-ft)     Rotor w/c       (Ib-ft)     (% FLT)     (% FLT)     (% FLT)     (% FLT)     (b-ft)       296     215     175     310     23.9     23.9       Safe Stall Time(s)     Sound     Pressure     Bearings*     Approx. Motor Weight (b-ft)       16     8     75     6317C3     631363     51362       "Bearings are the only recommended spare perils).       Motor Options:     Protext Mitter Mail     Safe Ordor   | Full Load  |                    |               |              |                 |            |        |             |            |
| Vic Load     25.00     19.6     52.3     69.2     50.1       No Load     33.6     36   | <sup>3</sup> ⁄ <sub>4</sub> Load   |                    | 55.9          | 91.          | .0              |            |        | 81.         | 0          |
| No Load     36     36       Locked Rotor     725     34.6       Torque     Torque     Rotor wk <sup>2</sup> Full Load     Locked Rotor     Pull Up     Break Down     Rotor wk <sup>2</sup> (tb-ft)     (tb-ft)     (tb-ft)     (tb-ft)     (tb-ft)     (tb-ft)       296     215     173     310     2595       Safe Stall Time(s)     Sound<br>Pressure<br>dB(A) @ 1M     Bearings*     Approx. Motor Weight<br>(tbs)       16     8     75     6317C3     6313C3     (bs)       *Bearings are the only recommended spare part(s).     Motor Options:<br>Product Family C2P Global SD<br>Mounting Fooled, Shuft. T Shuft     Sales Or Options:<br>Project #     Sales Or Options:<br>Project #       Product Family C2P Global SD<br>Mounting Fooled, Shuft. T Shuft     Sales Or Options:<br>Project #     Sales Or Options:<br>Project #     Note High NETENATIONAL CORPORATION +HOUSTON, TEXAS U.S.A.       TOSHIBA INTERNATIONAL CORPORATION +HOUSTON, TEXAS U.S.A.     TOSHIBA INTERNATIONAL CORPORATION +HOUSTON, TEXAS U.S.A.     Motor Itter   | 1/2 Load   |                    |               |              |                 |            |        |             |            |
| Cocked Rotor     725     34.6       Torque     Rotor wk?       Full Load     Locked Rotor     Pull Up     Break Down     Inertia       (b-tr)     (% FLT)     (% FLT)     (% FLT)     (b-ft)       286     215     175     310     25.95       Safe Stall Time(s)     Sound<br>Pressure<br>dB(A) @ tM     Bearings*     Approx. Motor Weight<br>(bs)       16     6     75     6317C3     6313C3     (bs)       'Bearings are the only recommended spare part(s).       Motor Will: Pressure<br>dB(A) @ tM     DE     NDE     (bs)       'Bearings are the only recommended spare part(s).     Motor Options:     Product Family CPO Robal SD     Mounting: Fooded Shift T Shaft       Motor Options:     Project #     Project #     Project #     Project #       Tag:     X     X     X     X     X   | 1/4 Load   | 25.00              | 18.6          | 52.          | .3              | 89.2       |        | 50.         | 1          |
| Torque     Torque     Rotor wk²       Full Load     Locked Rotor     Pull Up     Break Down     Inertia       (Ib-ft)     (% FLT)     (% FLT)     (% FLT)     (b-ft)       286     215     175     310     2595       Safe Stall Time(s)     Sound<br>Pressure<br>dB(A) @ 1M     Bearings*     Approx. Motor Weight<br>(ibs)       16     8     75     6317C3     6313C3     (ibs)       *Bearings are the only recommended spare part(s).     Motor Options:     Motor Options:     Project #       Product Family EOP Obtal SD<br>Mounting Footed, Shift T Shaft     Shaft T Shaft     Shaft T Shaft     Shaft T Shaft       Al characteristics are average expected values.     TOSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A.     TOSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A.   | No Load  |                    |               | 38.          | .8              |            |        |             |            |
| Fuil Load<br>(Ib-ft)     Locked Rotor<br>(% FLT)     Pull Up<br>(% FLT)     Break Down<br>(% FLT)     Inertia<br>(Ib-ft)       296     215     175     310     2595       Safe Stall Time(s)     Sound<br>Pressure<br>dB(A) @ 1M     Bearings*     Approx. Motor Weight<br>(bs)       16     8     75     6317C3     6313C3     (bs)       "Bearings are the only recommended spare part(s).       Motor Options:<br>Product Family: E2P Global SD<br>Mounting Footed, Shalt: T Shaft       Customer 1       Gustomer PO     Sales Order     Project #     Tag:     Tag:     ToSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A.     MPCF-1119./1  | Locked Rotor   |                    |               | 72           | 5               |            |        | 34.         | 6          |
| Fuil Load<br>(Ib-ft)     Locked Rotor<br>(% FLT)     Pull Up<br>(% FLT)     Break Down<br>(% FLT)     Inertia<br>(Ib-ft)       296     215     175     310     2595       Safe Stall Time(s)     Sound<br>Pressure<br>dB(A) @ 1M     Bearings*     Approx. Motor Weight<br>(bs)       16     8     75     6317C3     6313C3     (bs)       "Bearings are the only recommended spare part(s).       Motor Options:<br>Product Family: E2P Global SD<br>Mounting Footed, Shalt: T Shaft       Customer 1       Gustomer PO     Sales Order     Project #     Tag:     Tag:     ToSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A.     MPCF-1119./1  |  |                    |               |              |                 |            |        |             |            |
| Fuil Load<br>(Ib-ft)     Locked Rotor<br>(% FLT)     Pull Up<br>(% FLT)     Break Down<br>(% FLT)     Inertia<br>(Ib-ft)       296     215     175     310     2595       Safe Stall Time(s)     Sound<br>Pressure<br>dB(A) @ 1M     Bearings*     Approx. Motor Weight<br>(bs)       16     8     75     6317C3     6313C3     (bs)       "Bearings are the only recommended spare part(s).       Motor Options:<br>Product Family: E2P Global SD<br>Mounting Footed, Shalt: T Shaft       Customer 1       Gustomer PO     Sales Order     Project #     Tag:     Tag:     ToSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A.     MPCF-1119./1  |  |                    |               |              |                 |            |        |             |            |
| Fuil Load<br>(Ib-ft)     Locked Rotor<br>(% FLT)     Pull Up<br>(% FLT)     Break Down<br>(% FLT)     Inertia<br>(Ib-ft)       296     215     175     310     2595       Safe Stall Time(s)     Sound<br>Pressure<br>dB(A) @ 1M     Bearings*     Approx. Motor Weight<br>(bs)       16     8     75     6317C3     6313C3     (bs)       "Bearings are the only recommended spare part(s).       Motor Options:<br>Product Family: E2P Global SD<br>Mounting Footed, Shalt: T Shaft       Customer 1       Gustomer PO     Sales Order     Project #     Tag:     Tag:     ToSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A.     MPCF-1119./1  |  |                    |               |              |                 |            |        |             |            |
| (b-ft)     (% FLT)     (% FLT)     (% FLT)     (b-ft)       296     215     175     310     25.95       Safe Stall Time(s)     Sound<br>Pressure<br>d8(A) @ M     Bearings*     Approx. Motor Weight<br>(bs)       16     8     75     6317C3     6313C3   |  |                    | -             | -            |                 |            |        |             |            |
| 296     215     175     310     25.95       Safe Stall Time(s)<br>Cold     Sound<br>Pressure<br>dB(A) @ 1M     Sound<br>Pressure<br>dB(A) @ 1M     Bearings*     Approx. Motor Weight<br>(bs)       16     8     75     6317C3     6313C3     6       16     8     75     6317C3     6313C3     6       "Bearings are the only recommended spare part(s).       Motor Options:<br>Projuct Family.EQP Global SD<br>Mounting-Footed,Shaft.T Shaft       Customer PO<br>Sales Order       Sales Order       Project #<br>Teg:       All characteristics are average expected values.       TOSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A.       TOSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A.       TOSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A.  |  |                    |               |              | -               |            |        | Inertia     |            |
| Safe Stall Time(s)     Sound<br>Pressure<br>dB(A) @ 1M     Bearings*     Approx. Motor Weight<br>(bs)       16     8     75     6317C3     6313C3       "Bearings are the only recommended spare part(s).       Motor Optione:<br>Product Family.EQP Global SD<br>Mouning.Fooled.Shaft.T Shaft       Customer  | (lb-fi   | t)                 | (%            | FLT)         | (% F            | FLT)       | (%     | % FLT)      | (lb-ft²)   |
| Cold     Hot     Pressure<br>dB(A) @ 1M     DE     NDE     (bs)       16     8     75     6317C3     6313C3     (bs)       "Bearings are the only recommended spare part(s).     "Searings are the only recommended spare part(s).     Wotor Options:<br>Product FamilyEQP Global SD<br>Mounting-Fooled_ShaftT Shaft     "Searings are the only recommended spare part(s).       Customer     Customer     Customer PO<br>Sales Order     Searings     "Searing Seare State Stat   | 296  |                    | 2             | 15           | 17              | 5          |        | 310         | 25.95      |
| Cold     Hot     Pressure<br>dB(A) @ 1M     DE     NDE     (bs)       16     8     75     6317C3     6313C3     (bs)       "Bearings are the only recommended spare part(s).     "Searings are the only recommended spare part(s).     Wotor Options:<br>Product FamilyEQP Global SD<br>Mounting-Fooled_ShaftT Shaft     "Searings are the only recommended spare part(s).       Customer     Customer     Customer PO<br>Sales Order     Searings     "Searing Seare State Stat   |  |                    | -             |              | -               |            | -      |             |            |
| Cold     Hot     Pressure<br>dB(A) @ 1M     DE     NDE     (bs)       16     8     75     6317C3     6313C3     (bs)       "Bearings are the only recommended spare part(s).     "Searings are the only recommended spare part(s).     Wotor Options:<br>Product FamilyEQP Global SD<br>Mounting-Fooled_ShaftT Shaft     "Searings are the only recommended spare part(s).       Customer     Customer     Customer PO<br>Sales Order     Searings     "Searing Seare State Stat   |  |                    |               |              |                 |            |        |             |            |
| Cold     Hot     Pressure<br>dB(A) @ 1M     DE     NDE     (bs)       16     8     75     6317C3     6313C3     (bs)       "Bearings are the only recommended spare part(s).     "Searings are the only recommended spare part(s).     Wotor Options:<br>Product FamilyEQP Global SD<br>Mounting-Fooled_ShaftT Shaft     "Searings are the only recommended spare part(s).       Customer     Customer     Customer PO<br>Sales Order     Searings     "Searing Seare State Stat   |  |                    |               |              |                 |            |        |             |            |
| Cold     Hot     Pressure<br>dB(A) @ 1M     DE     NDE     (tbs)       16     8     75     6317C3     6313C3     6       "Bearings are the only recommended spare part(s).   | Safe Stall   | Time(s)            |               |              | Bearing         | s*         |        | Approx Mo   | tor Weight |
| Instruction     OBE(A) (@ 1M     DE     NDE     (tbs)       16     8     75     6317C3     6313C3     6313C3       "Bearings are the only recommended spare part(s).     "     *   | Cold   | Hot                |               |              |                 | •          |        | , approxime | to: Hoight |
| Bearings are the only recommended spare part(s).   Motor Options:<br>Product Family:EOP Global SD<br>Mounting:Footed,Shaft:T Shaft   Customer   Customer PO   Sales Order   Project #   Tag:   |  |                    | dB(A) @ 1M    | D            | E               | NDE        |        | (lb         | s)         |
| Motor Options:<br>Product Family EQP Global SD<br>Mounting:Footed,Shaft:T Shaft<br>Customer  | 16   | 8                  | 75            | 6317         | C3              | 6313C3     |        |             |            |
| Motor Options:<br>Product Family EQP Global SD<br>Mounting:Footed,Shaft:T Shaft<br>Customer  |  |                    |               |              |                 |            |        |             |            |
| Motor Options:<br>Product Family EQP Global SD<br>Mounting:Footed,Shaft:T Shaft<br>Customer  |  |                    |               |              |                 |            |        |             |            |
| Product Family-EQP Global SD<br>Mounting: Footed, Shaft:T. Shaft       Customer       Customer PO       Sales Order       Project #       Tag:   | *Bearings are the only re  | ecommended spar    | e part(s).    |              |                 |            |        |             |            |
| Product Family-EQP Global SD<br>Mounting: Footed, Shaft:T. Shaft       Customer       Customer PO       Sales Order       Project #       Tag:   |  |                    |               |              |                 |            |        |             |            |
| Mounting:Footed,Shaft.T Shaft     Customer     Customer PO     Sales Order     Project #     Tag:  | Motor Options:   |                    |               |              |                 |            |        |             |            |
| Customer   | Mounting Footed Shaft  | DDAI SD<br>T Shaft |               |              |                 |            |        |             |            |
| Customer PO  | wounting.r ooteu,onait.  | i onan             |               |              |                 |            |        |             |            |
| Customer PO  |  |                    |               |              |                 |            |        |             |            |
| Customer PO  |  |                    |               |              |                 |            |        |             |            |
| Customer PO  |  |                    |               |              |                 |            |        |             |            |
| Customer PO  |  |                    |               |              |                 |            |        |             |            |
| Customer PO  |  |                    |               |              |                 |            |        |             |            |
| Customer PO  |  |                    |               |              |                 |            |        |             |            |
| Customer PO  |  |                    |               |              |                 |            |        |             |            |
| Customer PO  |  |                    |               |              |                 |            |        |             |            |
| Customer PO  |  |                    |               |              |                 |            |        |             |            |
| Customer PO  |  |                    |               |              |                 |            |        |             |            |
| Sales Order   Project #     Project #  |  |                    |               |              |                 |            |        |             |            |
| Project #  | Customer   |                    |               |              |                 |            |        |             |            |
| Tag:     All characteristics are average expected values.     TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.     Engineering     bmammen   Doc. Written By   D. Suarez   Doc.# / Rev   MPCF-1119 / 1  | Customer PO  |                    |               |              |                 |            |        |             |            |
| All characteristics are average expected values.     TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.     Engineering   bmammen   Doc. Written By   D. Suarez   Doc.# / Rev   MPCF-1119 / 1   | Customer PO<br>Sales Order   |                    |               |              |                 |            |        |             |            |
| TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.     Engineering   bmammen   Doc. Written By   D. Suarez   Doc.# / Rev   MPCF-1119 / 1  | Customer PO<br>Sales Order<br>Project #  |                    |               |              |                 |            |        |             |            |
| TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.     Engineering   bmammen   Doc. Written By   D. Suarez   Doc.# / Rev   MPCF-1119 / 1  | Customer PO<br>Sales Order<br>Project #  |                    |               |              |                 |            |        |             |            |
| TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.     Engineering   bmammen   Doc. Written By   D. Suarez   Doc.# / Rev   MPCF-1119 / 1  | Customer PO<br>Sales Order<br>Project #  |                    |               |              |                 |            |        |             |            |
| TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.     Engineering   bmammen   Doc. Written By   D. Suarez   Doc.# / Rev   MPCF-1119 / 1  | Customer PO<br>Sales Order<br>Project #  |                    |               |              |                 |            |        |             |            |
| TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.     Engineering   bmammen   Doc. Written By   D. Suarez   Doc.# / Rev   MPCF-1119 / 1  | Customer PO<br>Sales Order<br>Project #  |                    |               |              |                 |            |        |             |            |
| Engineering     bmammen     Doc. Written By     D. Suarez     Doc.# / Rev     MPCF-1119 / 1  | Customer PO<br>Sales Order<br>Project #<br>Tag:  |                    |               |              |                 |            |        |             |            |
|  | Customer PO<br>Sales Order<br>Project #<br>Tag:  |                    |               |              |                 |            |        |             |            |
| Engr. Date 11/15/2018 Doc. Approved By M. Campbell Doc. Issued 9/20/2019   | Customer PO<br>Sales Order<br>Project #<br>Tag:<br>All characteristics are av                |                    | TOSHIBA INTER | RNATIONAL CO |                 |            |        |             |            |
|  | Customer PO<br>Sales Order<br>Project #<br>Tag:<br>All characteristics are av<br>Engineering | bma                | TOSHIBA INTER | RNATIONAL CO | Doc. Written By | D. Suarez  | 7      |             |            |

|  |               |                        |              | Issued Date  | 12/18/2019                             | 1              | Transmit #                   |                            |
|--|---------------|------------------------|--------------|--|--|----------------|------------------------------|----------------------------|
|  |               |                        |              | Issued By  | dschoeck                               |                | Issued Rev                   |                            |
|  | SHIB          |                        |              | 100000 25  |  |                |                              |                            |
|  |               |                        |              |  |  |                |                              |                            |
|  |               | 116                    |              | R PERFORM  | ANCE DATA                              |                |                              |                            |
| Model:   | 1004SDSR41A-P |                        |              |  |  |                |                              |                            |
| HP   | kW            | Pole                   | FL RPM       | Frame  | Voltage                                | Hz             | Phase                        | FL Amps                    |
| 75   | 55            | 4                      | 1475         | 405T   | 190/380                                | 50             | 3                            | 213/107                    |
| Enclosure  | IP            | Ins. Class             | S.F.         | Duty   | NEMA<br>Nom. Eff.                      | NEMA<br>Design | kVA Code                     | Ambient<br>(°C)            |
| TEFC   | 54            | F                      | 1.15         | CONT   | 94.6                                   | B              | Н                            | 40 C                       |
|  |               | <u> </u>               | 1.10         | CONT   |  |                |                              | 100                        |
| Load   | HP            | kW                     | Amp          | eres   | Efficiency                             | (%)            | Power Fa                     | actor (%)                  |
| Full Load  | 75            | 55.9                   | 106          |  | 94.4                                   |                | 84.                          | 4                          |
| <sup>3</sup> ⁄4 Load   | 56.25         | 41.9                   | 84.          | 7  | 93.9                                   |                | 80.                          | 1                          |
| 1/2 Load   | 37.50         | 28.0                   | 65.          | 3  | 92.4                                   |                | 70.                          | 3                          |
| 1/4 Load   | 18.75         | 14.0                   | 50.          | 8  | 87.1                                   |                | 47.                          | 9                          |
| No Load  |               |                        | 39.          | 3  |  |                | 3.                           |                            |
| Locked Rotor   |               |                        | 72           |  |  |                | 34.                          |                            |
|  |               |                        | Torqu        |  |  |                |                              | Rotor wk <sup>2</sup>      |
| Full Load  |               |                        | d Rotor      | Pull   | •                                      | _              | ak Down                      | Inertia                    |
| (Ib-f  | t)            | (%)                    | FLT)         | (% F   | FLT)                                   | (%             | 6 FLT)                       | (lb-ft²)                   |
| 267  |               | 22                     | 25           | 17   | 0                                      |                | 310                          | 25.95                      |
| Cold   | Hot           | Pressure<br>dB(A) @ 1M | DI           | Bearing:   | NDE                                    |                | Approx. Motor Weigh<br>(Ibs) |                            |
| 20.4   | 11.2          | 75                     | 6317         | 23   | 6313C3                                 |                |                              |                            |
| *Bearings are the only r<br><b>Motor Options:</b><br>Product Family:EQP GI<br>Mounting:Footed,Shaft: | obal SD       | e part(s).             |              |  |  |                |                              |                            |
| Quartering   | Γ             |                        |              |  |  |                |                              |                            |
| Customer<br>Customer PO  |               |                        |              |  |  |                |                              |                            |
| Sales Order  |               |                        |              |  |  |                |                              |                            |
| Sales Order<br>Project #   |               |                        |              |  |  |                |                              |                            |
| Tag:   | I             |                        |              |  |  |                |                              |                            |
|  |               |                        |              |  |  |                |                              |                            |
| All characteristics are av   |               |                        |              |  |  |                |                              |                            |
|  |               | TOSHIBA INTER          | RNATIONAL CO |  |  |                |                              |                            |
| All characteristics are av<br>Engineering<br>Engr. Date  | bma           |                        | RNATIONAL CO | RPORATION · H<br>Doc. Written By<br>Doc. Approved By | IOUSTON, TEX<br>D. Suarez<br>M. Campbe |                | Doc.# / Rev<br>Doc. Issued   | MPCF-1119 / 1<br>9/20/2019 |

|              |                       |            |           | Issued Date | 12/18/201         | 9              | Transmit #        |                 |
|--------------|-----------------------|------------|-----------|-------------|-------------------|----------------|-------------------|-----------------|
|              |                       |            |           | Issued By   | dschoeck          | (              | Issued Rev        |                 |
|              | SHIB                  | S          | PEED TORQ | UE/CURREN   | T CURVE           |                |                   |                 |
|              | 1004SDSR41A-P         |            |           |             |                   |                |                   |                 |
| HP           | kW                    | Pole       | FL RPM    | Frame       | Voltage           | Hz             | Phase             | FL Amps         |
| 100          | 75                    | 4          | 1775      | 405T        | 230/460           | 60             | 3                 | 231/116         |
| Enclosure    | IP                    | Ins. Class | S.F.      | Duty        | NEMA<br>Nom. Eff. | NEMA<br>Design | kVA Code          | Ambient<br>(°C) |
| TEFC         | 54                    | F          | 1.15      | CONT        | 95.4              | В              | G                 | 40 C            |
| Locked Rotor | Rotor wk <sup>2</sup> |            |           |             | Torque            |                |                   |                 |
|              | Amps                  |            | Locked    |             | (%)               |                | Break Down<br>(%) |                 |
| -            | (lb-ft²)              | (lb-ft)    |           |             |                   |                |                   |                 |
| 725          | 25.95                 | 296        | 215       | 5           | 175               |                | 310               |                 |
|              |                       |            | De        | sign Valu   | es                |                |                   |                 |
| 35<br>28     |                       |            | De        | sign Valu   | es                |                | <u> </u>          | -750<br>-600    |

20

40 60 Synchronous Speed (%) 150

108

80

Torque **C**urrent

70

٥Ļ

| Customer    | wk <sup>2</sup> Load Inertia (Ib-ft <sup>2</sup> | -   |
|-------------|--|-----|
| Customer PO | Load Type  |     |
| Sales Order | Voltage (%                                       | 100 |
| Project #   | Accel. Time                                      | -   |
| Tag:        |  | -   |
|             |  |     |
|             |  |     |
|             |  |     |

| All characteristics are av | verage expected values. |                         |                       |             |             |
|----------------------------|-------------------------|-------------------------|-----------------------|-------------|-------------|
|                            | TOSHIBA INTER           | RNATIONAL CORPORATION · | HOUSTON, TEXAS U.S.A. |             |             |
| Engineering                | bmammen                 | Doc. Written By         | D. Suarez             | Doc.# / Rev | MPCF-1121/1 |
| Engr. Date                 | 11/15/2018              | Doc. Approved By        | M. Campbell           | Doc. Issued | 9/20/2019   |

| TO                   |                       |            |           | Issued Date | 12/18/201         |                | Transmit # |                 |  |
|----------------------|-----------------------|------------|-----------|-------------|-------------------|----------------|------------|-----------------|--|
|                      |                       | -          |           | Issued By   | dschoeck          | (              | Issued Rev |                 |  |
| 103                  | SHIB                  | SF         | PEED TORQ | UE/CURREN   | <b>CURVE</b>      |                |            |                 |  |
| Model:               | 1004SDSR41A-P         |            |           |             |                   |                |            |                 |  |
| HP                   | kW                    | Pole       | FL RPM    | Frame       | Voltage           | Hz             | Phase      | FL Amps         |  |
| 75                   | 55                    | 4          | 1475      | 405T        | 190/380           | 50             | 3          | 213/107         |  |
| Enclosure            | IP                    | Ins. Class | S.F.      | Duty        | NEMA<br>Nom. Eff. | NEMA<br>Design | kVA Code   | Ambient<br>(°C) |  |
| TEFC                 | 54                    | F          | 1.15      | CONT        | 94.6              | В              | Н          | 40 C            |  |
|                      | Rotor wk <sup>2</sup> |            |           | •           | Torque            |                | 1          |                 |  |
| Locked Rotor<br>Amps | Inertia               | Full Load  | Locked    | Rotor       | Pull U            | р              | Break      | Down            |  |
| (lb-ft²)             |                       | (lb-ft)    | (%        |             | (%)               |                |            | %)              |  |
| 722                  | 25.95                 | 267        | 225       | 5           | 170               |                | 310        |                 |  |
| 35                   | 0                     |            | I         |             |                   |                | ]          | 800             |  |
|                      |                       |            |           |             |                   |                |            |                 |  |
|                      |                       |            |           |             |                   |                |            |                 |  |
|                      |                       |            |           |             |                   |                | <b>9</b>   |                 |  |
|                      |                       |            |           |             |                   |                | 1          |                 |  |
| 28                   | 0                     |            | • •       |             |                   |                |            | 640             |  |
| 28                   | 0                     |            | • •       |             | • •               |                |            | 640             |  |
| 28                   | 0                     |            | • •       | -           | •                 |                |            | 640             |  |
|                      |                       |            |           |             | • •               |                |            | 640             |  |
| - 21                 |                       |            |           |             |                   |                |            | 480             |  |
| - 21                 |                       |            |           |             | •                 |                |            | 480             |  |
| - 21                 |                       |            |           |             |                   |                |            | 480             |  |
| (%) anb.o            | 0                     |            |           |             |                   |                |            | 480             |  |
|                      | 0                     |            |           |             |                   |                |            |                 |  |

| HP                   | kW                    | Pole       | FL RPM | Frame | Voltage           | Hz             | Phase      | FL Amps         |
|----------------------|-----------------------|------------|--------|-------|-------------------|----------------|------------|-----------------|
| 75                   | 55                    | 4          | 1475   | 405T  | 190/380           | 50             | 3          | 213/107         |
| Enclosure            | IP                    | Ins. Class | S.F.   | Duty  | NEMA<br>Nom. Eff. | NEMA<br>Design | kVA Code   | Ambient<br>(°C) |
| TEFC                 | 54                    | F          | 1.15   | CONT  | 94.6              | В              | Н          | 40 C            |
| Lookod Doton         | Rotor wk <sup>2</sup> |            |        |       | Torque            |                |            |                 |
| Locked Rotor<br>Amps | Inertia               | Full Load  | Locked | Rotor | Pull U            | р              | Break Down |                 |
| Ашрэ                 | (lb-ft²)              | (lb-ft)    | (%     | 6)    | (%)               |                | (%         | 6)              |
| 722                  | 25.95                 | 267        | 225    | 5     | 170               |                | 31         | 0               |



