

XXX kgs.

(XXX lbs.)

0 FIRST ISSUE

NO

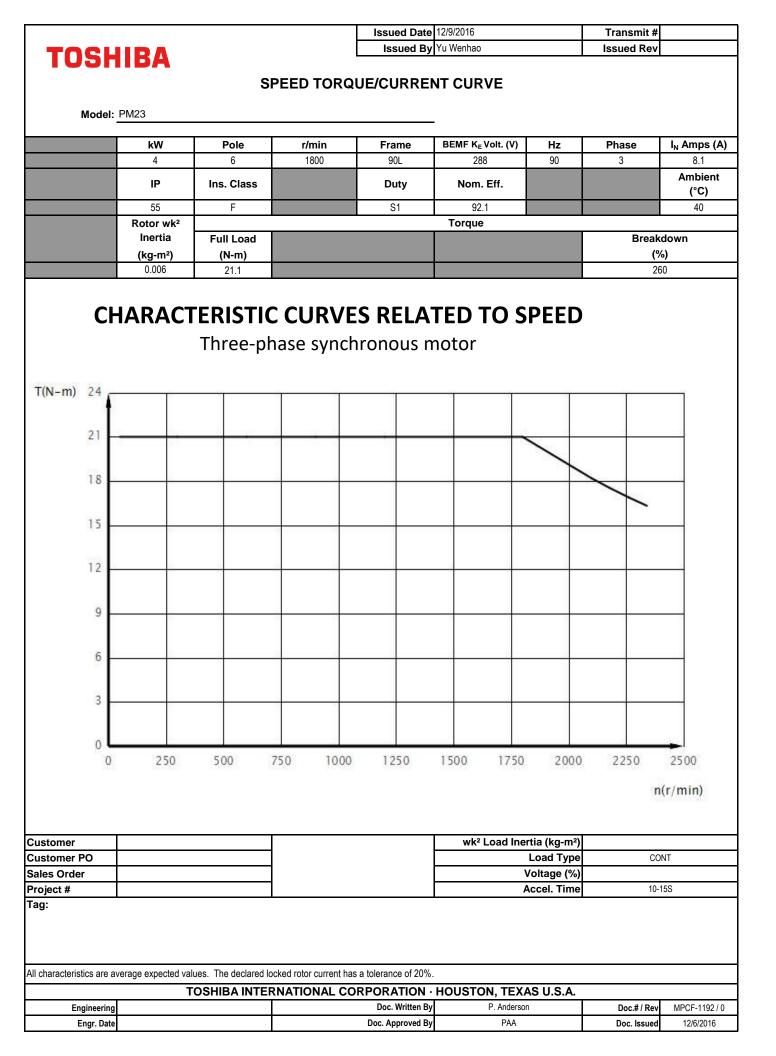
TOSHIBA

TOSHIBA INTERNATIONAL CORPORATION

R. Roth08/24/16REVISIONDRAWN BYDATE

| 37 |
|--|
| 140 |
| |
| 180 |
| |
| NOTES: I. MAIN CONDUIT BOX MAY BE ROTATED |
| IN 90~INCREMENTS 2. STANDARD PRODUCT USE |
| BI-DIRECTIONAL |
| FAN. OPPOSITE ROTATION AVAILABLE |
| ONLY BY CONNECTION CHANGE. |
| 3. KEY DIMENSIONS EQUAL (MOTOR SUPPLIED WITH KEY) |
| х ́ |
| PURPOSES UNLESS THE DRAWING IS CERTIFIED. |
| |
| Tosh-ECO PM |
| |
| DRAWN BY: |
| CHECK BY: |
| APPROVED BY: CHECK www.toshiba.com/ind |
| |

| | | | | Issued Date | | | Transmit # | |
|---|------------------|---|---------------------|-------------|-------------------------------|------|-------------|----------------------------------|
| TOSHIBA | | | Issued By Yu Wenhao | | | | Issued Rev | |
| IUSA Model: F | | ТҮРК | CAL MOTOR | PERFORI | MANCE DATA | | | |
| | | | | | - | | | |
| | kW | Pole | r/min | Frame | BEMF K _E Volt. (V) | Hz | Phase | I _N Amps (A) |
| | 4 | 6 | 1800 | 90L | 288 | 90 | 3 | 8.1 Ambient |
| | IP | Ins. Class | | Duty | Nom. Eff. | | | (°C) |
| | 55 | F | | S1 | 92.1 | | | 40 |
| Load | | kW | Ampere | | Efficiency (| %) | | |
| Full Load | | 4.00 | 8.10 | | 92.1 | | | |
| ³ / ₄ Load | | 3.00 | 6.24 | | 92.1 | | | |
| 1/2 Load | | 2.00 | 4.34 | | 91.3 | | | |
| ¼ Load | | 1.00 | 2.26 | | 88.1 | | | |
| No Load | | - | 0.79 | j | | | | |
| | | | | | | | | |
| Full Loa | ad | | Torque | | | Broc | akdown | Rotor wk ² Inertia |
| (N-m) | | | | | | | 5 FLT) | |
| 21.1 | | | | | | | 260 | (kg-m²) 0.006 |
| | | Sound | | | | T | | |
| | | Sound Pressure dB(A) @ 1M | DE | Beari | ings* | | Approx. Mo | |
| | | Pressure | DE 6205-22 | | - | | | g) |
| | commended spa | Pressure dB(A) @ 1M 66 | | | NDE | | (k <u>)</u> | g) |
| Motor Options: | commended spa | Pressure dB(A) @ 1M 66 | | | NDE | | (k <u>)</u> | g) |
| Motor Options: | commended spa | Pressure dB(A) @ 1M 66 | | | NDE | | (k <u>)</u> | g) |
| Motor Options: | commended spa | Pressure dB(A) @ 1M 66 | | | NDE | | (k <u>)</u> | g) |
| *Bearings are the only red Motor Options: Customer Customer PO Sales Order Project # | commended spa | Pressure dB(A) @ 1M 66 | | | NDE | | (k <u>)</u> | g) |
| Motor Options: Customer Customer PO Sales Order | commended spa | Pressure dB(A) @ 1M 66 | | | NDE | | (k <u>)</u> | g) |
| Motor Options: Customer Customer PO Sales Order Project # | | Pressure dB(A) @ 1M 66 are part(s). | 6205-22 | Z/C3 | NDE 6204-2Z/C3 | | (k <u>)</u> | g) |
| Motor Options: Customer Customer PO Sales Order Project # Tag: | erage expected v | Pressure dB(A) @ 1M 66 are part(s). | 6205-22 | Z/C3 | NDE 6204-2Z/C3 | | (k <u>)</u> | g) |
| Motor Options: Customer Customer PO Sales Order Project # Tag: | erage expected v | Pressure dB(A) @ 1M 66 are part(s). | 6205-22 | Z/C3 | NDE 6204-2Z/C3 | | (k <u>)</u> | g) |



| Image: Image:< | SPARE PARTS LIST* min Frame BEMF K _E Volt. (V) Hz Phase I _N Amps (A) 800 90L 288 90 3 8.1 Duty Nom Eff Ambient Ambient | E PARTS I | SPAR | | IBA | TOSH | | | | | | |
|---|--|-----------|-------------|-----------------|--------------------|-----------------------------|--|--|--|--|--|--|
| <section-header> Price Part Parts <!--</th--><th>min Frame BEMF K_E Volt. (V) Hz Phase I_N Amps (A) 800 90L 288 90 3 8.1 Duty Nom Eff Ambient Ambient</th><th>_</th><th>SPAR</th><th></th><th></th><th></th></section-header> | min Frame BEMF K _E Volt. (V) Hz Phase I _N Amps (A) 800 90L 288 90 3 8.1 Duty Nom Eff Ambient Ambient | _ | SPAR | | | | | | | | | |
| | min Frame BEMF K _E Volt. (V) Hz Phase I _N Amps (A) 800 90L 288 90 3 8.1 Duty Nom Eff Ambient Ambient | _ | | | | | | | | | | |
| Image: state of the second s | 800 90L 288 90 3 8.1 | Eramo | | | | | | | | | | |
| 4 6 1900 901. 288 90 3 0.1 IP Ins. Class Duty Non. Eff. Image: Class Ambinity (C) E5 F 51 82.1 82.1 90 3 0.1 IDE Bearing: 6005 22/C3 001 6004 22/C3 **Baings are the only incommended spare part(s). Colspan="2">Colspan="2">Colspan="2">Colspan="2">Cols 22/C3 Other han the grasse used for regressable bearings and the ol used for col-i-ubricated bearings, Toshiba advises that there are no "use" parts. The origin surgers that Toshiba suggers to the suggers to the suggers to the suggers to the colspan="2">Colspan="2"Colspan="2"Colspan="2"Colspan="2">Colspan="2"Colspan="2"Colspan="2 | 800 90L 288 90 3 8.1 | Eramo | Model: PM23 | | | | | | | | | |
| IP Ins. Class Duty Non. Ef. Anthol (C) 55 F S1 S2.1 All DE Bearing: 600-522C3 600-522C3 100 All "Bearing: 6204-22C3 6204-22C3 100 All All "Bearing: 6204-22C3 6204-22C3 100 All All <th>Duty Nom Eff Ambient</th> <th>Fiaille</th> <th>r/min</th> <th>Pole</th> <th>kW</th> <th></th> | Duty Nom Eff Ambient | Fiaille | r/min | Pole | kW | | | | | | | |
| IP Ins. Class Outy Nom. En. (rc) 55 F S1 92.1 40 EBearing: 600522C3 6004-22C3 6004-22C3 6004-22C3 "Berings are the only recommended spare part(s). 6004-22C3 6004-22C3 6004-62C4 "Derings are the only recommended spare part(s). Other than the grasse used for regressable basings and the oil used for oil-khristed basings. To table advises that there are no "use" parts. The only insurance sparses that To table augusts for these super-sparse. Income and there maching parts are available on equilating used. In these cares, place advises our older enty department or model and serial numbes, such as termid basis, fair core maching and the available in section they will be able to furnish the current part numb price and paralleling. Note: Our internal part numbers are subject to change without notice and are not published. Sinternal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Sinternal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Sinternal part numbers are subject to change without notice and are not published. Sistemer PO lassioner PO lassioner PO lassioner PO lassioner lassioner lassioner lassionere lassinge supacted values. Sinternal part LCOR | | 90L | 1800 | 6 | 4 | | | | | | | |
| Elearing: 60 F S1 92.1 40 PE Bearing: 6205-22/C3 "Bearing are the only recommended spare part(s). Other than the grasse used for regressable bearings and the oil used for oil-lubricated bearings. Toshba activase that there are no 'use'' parts. The only insurance spares that 'Toshba suggests' for these squared-cage induction motors are industry standard and commencially variable of the shall bearings as noted above. Moto components such as terminal boars. Increases and other maching parts are waitable on special equant. In these cases, please achies correcter endy department or model and seally under the output to the induction motors are industry standard and commoncially variable of the shall bearings as noted above. Moto components such as terminal boars. Increases and other maching parts are waitable on special equant. In these cases, please achies correcter endy department or model and seally under the output to the induction motor are subject to charge without notice and are not published. Note: Our internal part numbers are subject to charge without notice and are not published. | (°C) | Duty | | Ins. Class | IP | | | | | | | |
| IDE Bearing: 6xx4-22x3 "Bearings are the only recommended space part(s). Char than the grease used for regressable bearings and the oil used for cil-lubricated bearings. Toshiba advises that there are no "use" parts. The only insurance sparse that Toshiba suggests for these suggests for these suggests of the motor nameplate and a description of the needed doorponents. With this information they will be able to furnish the current part number price and availability. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and ne not published. Note: Our internal part numbers are subject to change without notice and ne not published. Note: Our internal part numbers are subject to change without notice and ne not published. Note: Our internal part numbers are subject to change without notice and ne not published. Note: Our internal part numbers are subject to change without notice and ne not published. < | | S1 | | F | 55 | | | | | | | |
| IDE Bearing: 6xx4-22x3 "Bearings are the only recommended space part(s). Char than the grease used for regressable bearings and the oil used for cil-lubricated bearings. Toshiba advises that there are no "use" parts. The only insurance sparse that Toshiba suggests for these suggests for these suggests of the motor nameplate and a description of the needed doorponents. With this information they will be able to furnish the current part number price and availability. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and ne not published. Note: Our internal part numbers are subject to change without notice and ne not published. Note: Our internal part numbers are subject to change without notice and ne not published. Note: Our internal part numbers are subject to change without notice and ne not published. Note: Our internal part numbers are subject to change without notice and ne not published. < | 6205-2Z/C3 | 620 | | | | DE Bearing: | | | | | | |
| *Bearings are the only mcommended space part(s). Other than the grease used for regressable bearings and the oil used for oil-labiticated bearings. Teshiba solviess that there are no "use" parts. The only insurance spaces that Toshiba suggests for these squire1-cage induction motors are industry-standard and commercially available off-the-affel bearings as noted above. Motor components such as terminal boxes. For overs and other machined parts are available on special enquest. In these case, place advice our other entry department on price and available into the motor namepiate and a description of the needed components. With this information they will be able to furnish the current part numb price and availability. Net: Our internal part numbers are subject to change without notice and are not published. Statemer PO Lastomer Lastomer PO Lastome | | 6204 | | | | NDE Bearing: | | | | | | |
| Other than the grease used for regressable bearings and the oil used for oil-lubricated bearings. Toehibe advises that there are no "use" parts. The only insurance spares that Toehiba suggests for these squinel-cage induction motors are industry-standard and commercially available off-the-shelf bearings as noted above. Motor components such as terminal boxes, fan covers and other machined parts are available on special request. In these cases, please advice our order entry department or motor ameplate and a description of the needed components. With this information they will be able to furnish the current part numb price and availability. Note: Our internal part numbers are subject to change without notice and are not published. Statistication of PO austormer PO alses Order alses Crider alses alses TOSHIBE INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A. | | | | d energ nert(s) | | | | | | | | |
| Toshiba suggests for these squirrel-cage induction motors are industry-standard and commercially available of special request. In these cases, plasse advise our order entry department or model and sent innumbers toud on the motor nameplate and a description of the needed components. With this information they will be able to furnish the current part number produce and availability. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not published. Note: Our internal part numbers are subject to change without notice and are not pub | | | | а spare рап(S). | unity recommended | bearings are the o | | | | | | |
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| Engineering Doc. Written By P. Anderson Doc.# / Rev MPCF-119 | | | RNATIONAL C | TOSHIBA INTER | Т | | | | | | | |
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| TOSH | IBA | | | Issued By | Yu Wenhao | | Issued Rev | | |
| | | | | | F A | | | | |
| NAMEPLATE DATA | | | | | | | | | |
| Model: | PM23 | | | | _ | | | | |
| | | | | _ | - | | | | |
| | kW 4 | Pole 6 | r/min 1800 | Frame 90L | BEMF K _E Volt. (V) 288 | Hz 90 | Phase 3 | I _N Amps (A) 8.1 | |
| | | | 1000 | | | 30 | 3 | Ambient | |
| | IP | Ins. Class | | Duty | Nom. Eff. | | | (°C) | |
| | 55 | F | | S1 | 92.1 | | | 40 | |
| | Driv | ve End Bearing: | | | 6205-2Z/C3 | | | | |
| | | - | | | | | | | |
| | Non-Driv | ve End Bearing: | | | 6204-2Z/C3 | | | | |
| | | Rated Torque: | 21. | | Nm | | | | |
| | - | e Constant (Ke): | 1.52 | | VS | | | | |
| | Torque | e Constant (Kt): | 2.6 | 61 | Nm/A | | | | |
| | | BEMF at: | 180 | 00 | r/min | | | | |
| | | Comments 1: | | | | | | | |
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| All characteristics are av | erage expected value | les | | | | | | | |
| | All characteristics are average expected values. TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. | | | | | | | | |
| Engineering | | | | Doc. Written By | | | Doc.# / Rev | MPCF-1191 / 0 | |
| Engr. Date | | | | Doc. Approved By | | | Doc. Issued | 12/6/2016 | |
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