

EYEBOLTS FOR VERTICAL LIFTING

0.75" NPT CONDUIT

- NOTES:
1. 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)
- 0.188" x 0.188" x 1.38"

UNITS: INCHES

| BEARINGS | | APPROX. WEIGHT |
|----------|----------|----------------|
| LS | OS | |
| 6305ZCC3 | 6305ZCC3 | 56 lbs |

CUSTOMER: _____ MOTOR MODEL NO.: _____

P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN.): _____ HZ: _____

FRAME SIZE: 140T PRODUCT TYPE: COOLING TOWER

COMMENTS: _____

PER: J. HOCK DATE: 01/24/17

TAG NUMBERS

- STANDARD (NO AUX. BOXES)
- RTD AUX. BOX
- SPACE HEATER AUX. BOX
- BEARING RTD's

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE PRELIMINARY

DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED CERTIFIED



MDSL505-01
 TOTALLY ENCLOSED AIR OVER
 3 PHASE INDUCTION MOTOR
 F1 ASSEMBLY



TYPICAL MOTOR PERFORMANCE DATA

Model: Y154FAGC41A-P

| | | | | | | | | |
|-----------|-----|------------|--------|-------|----------------|-------------|----------|--------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 1.50 | 1.1 | 4 | 1755 | 145T | 575 | 60 | 3 | 1.8 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEAO | 56 | F | 1.15 | CONT | 86.5 | B | | 40 C |

| | | | | | |
|--------------|------|-----|---------|----------------|------------------|
| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
| Full Load | 1.50 | 1.1 | 1.8 | 85.8 | 73.7 |
| ¾ Load | 1.12 | 0.8 | 1.5 | 84.8 | 66.1 |
| ½ Load | 0.75 | 0.6 | 1.3 | 81.0 | 53.5 |
| ¼ Load | 0.37 | 0.3 | 1.1 | 69.2 | 34.4 |
| No Load | | | 1.0 | | 8.3 |
| Locked Rotor | | | 13.6 | | 54.7 |

| | | | | |
|-------------------|----------------------|-----------------|--------------------|----------------------------|
| Torque | | | | Rotor wk² Inertia (lb-ft²) |
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | |
| 4.49 | 260 | 320 | 365 | 0.12 |

| | | | | | |
|--------------------|-----|---------------------------|-----------|----------|----------------------------|
| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
| Cold | Hot | | DE | NDE | |
| 35 | 15 | - | 6305ZZC3 | 6305ZZC3 | 0 |

*Bearings are the only recommended spare part(s).

Motor Options:
Mounting:Footed,Shaft:T Shaft

| | |
|-------------|--|
| Customer | |
| Customer PO | |
| Sales Order | |
| Project # | |

Tag:

All characteristics are average expected values.

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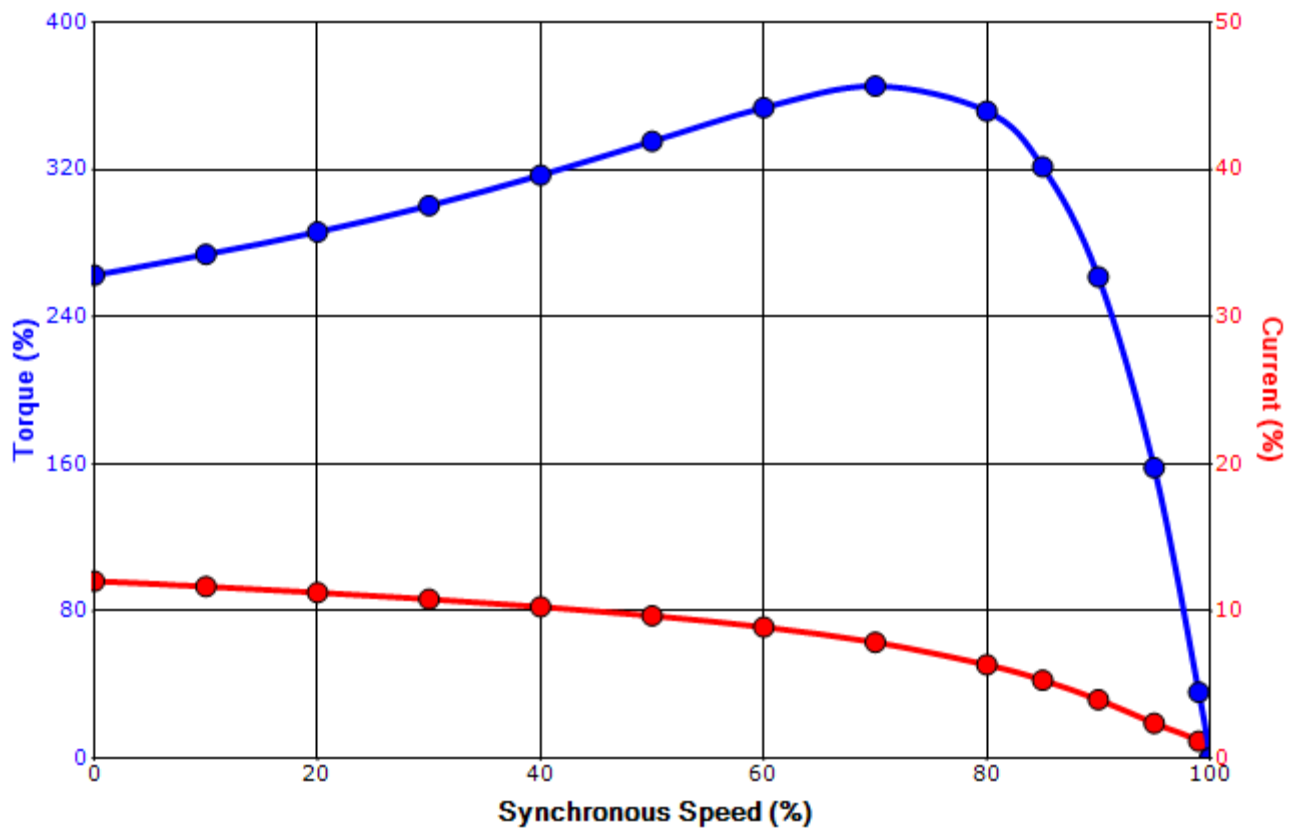
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|-------------|-------------|------------------|-------------|-------------|---------------|
| Engineering | aguerrretaz | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date | 4/28/2021 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

SPEED TORQUE/CURRENT CURVE

Model: Y154FAGC41A-P

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|----------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 1.50 | 1.1 | 4 | 1755 | 145T | 575 | 60 | 3 | 1.8 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEAO | 56 | F | 1.15 | CONT | 86.5 | B | | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | | | Break Down (%) |
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | | | | |
| 13.6 | 0.12 | 4.49 | 260 | 320 | | | 365 | |

Design Values



| | | | |
|-------------|--|--|-----|
| Customer | | wk ² Load Inertia (lb-ft ²) | - |
| Customer PO | | Load Type | - |
| Sales Order | | Voltage (%) | 100 |
| Project # | | Accel. Time | - |

Tag:

All characteristics are average expected values.

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| | | | | | |
|-------------|-------------|------------------|-------------|-------------|---------------|
| Engineering | aguerrretaz | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date | 4/28/2021 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

Motor Connection Diagram

3 Leads - Wye Connection

Single Voltage



Switch L1 and L2 to reverse rotation

Each lead may consist of more than one cable.
If multiple cables represent a single lead, each one of them will be labeled with the appropriate lead number.