

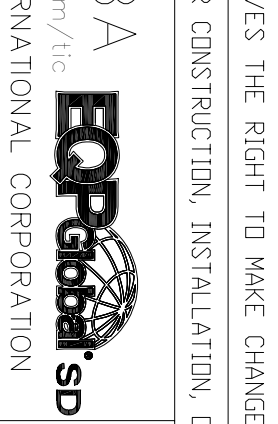
UNITS: INCHES
 ROTATION FROM ODE
 CCW CW

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NOTES:
 1. MAIN CONDUIT BDX MAY BE ROTATED IN 90° INCREMENTS
 2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.
 3. KEY DIMENSIONS EQUAL 0.1875X0.1875X1.378° (MOTOR SUPPLIED WITH KEY)

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TOTALLY ENCLOSED FAN COOLED
 ROUND BODY C-FACED
 3 PHASE INDUCTION MOTOR
 L56C/56HC F1 ASSEMBLY

DRAWING #: 3HFN000616/MDSL V127-03
 REV. DATE: 2/14/20 REV. #: 1 PER: N.Damh
 REV. DESCRIP.: Remove dimension KEY

TYPICAL MOTOR PERFORMANCE DATA

Model: Y156SDSC44H-P

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|-----------|-----|------------|--------|-------|----------------|-------------|----------|--------------|
| 1.50 | 1.1 | 6 | 1175 | 56C | 575 | 60 | 3 | 2.1 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 55 | F | 1.15 | CONT | 87.5 | B | | 40 C |

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|------|-----|---------|----------------|------------------|
| Full Load | 1.50 | 1.1 | 2.1 | 87.2 | 62.5 |
| ¾ Load | 1.13 | 0.8 | 1.8 | 85.2 | 53.7 |
| ½ Load | 0.75 | 0.6 | 1.6 | 80.5 | 41.6 |
| ¼ Load | 0.38 | 0.3 | 0.9 | 77.2 | 36.7 |
| No Load | | | 1.5 | | |
| Locked Rotor | | | 16.0 | | 43.1 |

| Torque | | | | Rotor wk ² Inertia (lb-ft ²) |
|----------------------|-------------------------|--------------------|-----------------------|---|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | |
| 6.70 | 305 | 235 | 355 | 0.34 |

| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
|--------------------|-----|------------------------------|-----------|--------|-------------------------------|
| Cold | Hot | | DE | NDE | |
| 35 | 15 | | 6305ZZ | 6305ZZ | 77 |

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

Motor Options:
Mounting:C-Face Round,Shaft:56

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

Tag:

All characteristics are average expected values.

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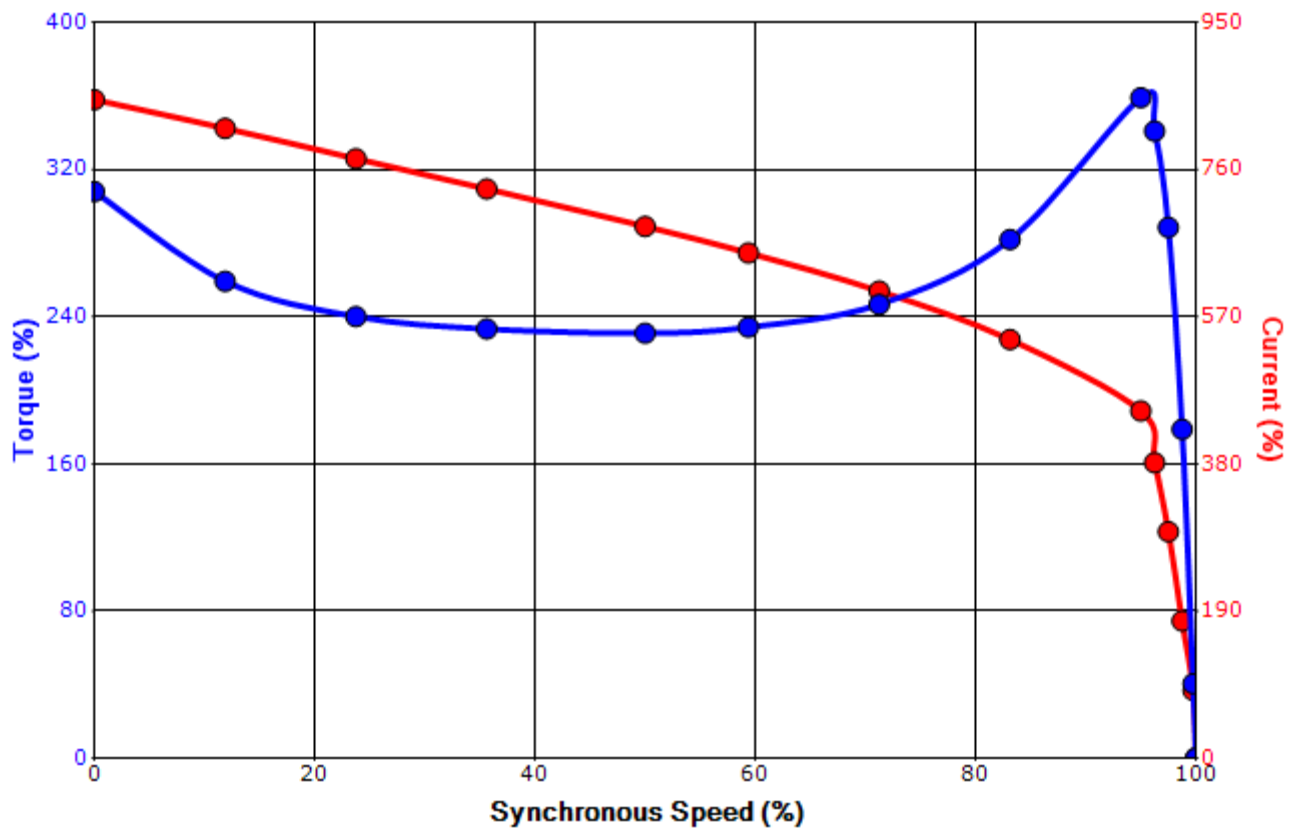
| | | | | | |
|-------------|----------|------------------|-------------|-------------|---------------|
| Engineering | SPinzon | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date | 8/4/2022 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

SPEED TORQUE/CURRENT CURVE

Model: Y156SDSC44H-P

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------|----------------|-------------|----------------|--------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 1.50 | 1.1 | 6 | 1175 | 56C | 575 | 60 | 3 | 2.1 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 55 | F | 1.15 | CONT | 87.5 | B | | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | Pull Up (%) | Break Down (%) | |
| | | Full Load (lb-ft) | Locked Rotor (%) | | | | | |
| 16.0 | 0.34 | 6.70 | 305 | | 235 | 355 | | |

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 | SPinzon | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date | 8/4/2022 | 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.