

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 254TTDX16043
Catalog No: E722A-P
15,1800,DP,254T,3/60/230/460
Open Drip Proof (ODP)



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REGAL



Nameplate Specifications

| | | | |
|----------------------------|-------------|------------------------|------------|
| Output HP | 15 Hp | Output KW | 11.2 kW |
| Frequency | 60 Hz | Voltage | 230/460 V |
| Current | 38.0/18.9 A | Speed | 1768 rpm |
| Service Factor | 1.15 | Phase | 3 |
| Efficiency | 93 % | Duty | Continuous |
| Insulation Class | F | Design Code | B |
| KVA Code | G | Frame | 254T |
| Enclosure | Drip Proof | Overload Protector | No |
| Ambient Temperature | 40 °C | Drive End Bearing Size | 6309 |
| Opp Drive End Bearing Size | 6207 | UL | Recognized |
| CSA | Y | CE | Y |
| IP Code | 12 | | |

Technical Specifications

| | | | |
|-------------------|------------------------------|-----------------------|------------------|
| Electrical Type | Squirrel Cage Inverter Rated | Starting Method | Line Or Inverter |
| Poles | 4 | Rotation | Reversible |
| Mounting | Rigid base | Motor Orientation | Horizontal |
| Drive End Bearing | Ball | Opp Drive End Bearing | Ball |
| Frame Material | Rolled Steel | Shaft Type | T |
| Overall Length | 22.1 in | Shaft Diameter | 1.625 in |
| Shaft Extension | 4.4 in | Assembly/Box Mounting | F1/F2 Capable |
| Outline Drawing | 610-0001 | Connection Diagram | 80022801 |

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CERTIFICATION DATA SHEET

Model#: 254TTDX16043 AA
 CONN. DIAGRAM: 80022801
 OUTLINE: 610-0001-1300

WINDING#: BGR4T01 NONE 3
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

| | | | | | | | | | | | | | | | | | |
|------------------------|------------|-------------------|----------------------|-----------------------|----------------------|----------------------|---------------|-----------------|-------------------|---------------|------------|-------------------|-----------|--------|----|-----------|------|
| HP | 15&15 | KW | 11.2&11.2 | SYNC. RPM | 1800 | F.L. RPM | 1768&1460 | FRAME | 254T | ENCLOSURE | DP | KVA CODE | G | DESIGN | B | | |
| PH | 3 | Hz | 60/50 | VOLTS | 230/460/200/400 | FL AMPS | 38/18.9&44/22 | START TYPE | LINE OR INVERTER | DUTY | CONTINUOUS | S.F | 1.15/1.15 | AMB°C | 40 | ELEVATION | 3300 |
| FULL LOAD EFF: | 93&91.7 | 3/4 LOAD EFF: | 93.2 | 1/2 LOAD EFF: | 92.7 | GTD. EFF | 91.7 | ELEC. TYPE | SQ CAGE INV/RATED | NO LOAD AMPS | 15.4 / 7.7 | | | | | | |
| FULL LOAD PF: | 79.9&79.5 | 3/4 LOAD PF: | 75.2 | 1/2 LOAD PF: | 66 | | | | | | | | | | | | |
| F.L. TORQUE | 44.5 LB-FT | LOCKED ROTOR AMPS | 228 / 114 | L.R. TORQUE | 84.1 LB-FT 189 | B.D. TORQUE | 117 LB-FT 263 | F.L. RISE°C | 21 | | | | | | | | |
| SOUND PRESSURE @ 3 FT. | - dBA | SOUND POWER | 2 LB-FT ² | ROTOR WK ² | - LB-FT ² | MAX. WK ² | 20 SEC. | SAFE STALL TIME | 2 | STARTS / HOUR | 2 | APPROX. MOTOR WGT | 0 LBS. | | | | |

*** SUPPLEMENTAL INFORMATION ***

| | | | | | | | | | | | | | | | | | |
|-----------------|----------|------------------|----------|------------|------------|-------------|------------|-------------|-------|--------------------|-------|------------------|-------------------|----------------|--------------|-------|---------------|
| DE BRACKET TYPE | STANDARD | ODE BRACKET TYPE | STANDARD | MOUNT TYPE | RIGID | ORIENTATION | HORIZONTAL | SEVERE DUTY | FALSE | HAZARDOUS LOCATION | NONE | DRIP COVER | FALSE | SCREENS | NONE | PAINT | BLUE (ENAMEL) |
| BEARINGS DE | 6309 | OPB | 6207 | GREASE | POLYREX EM | SHAFT TYPE | T | SPECIAL DE | NONE | SPECIAL ODE | NONE | SHAFT MATERIAL | AISI 1045 (C-240) | FRAME MATERIAL | ROLLED STEEL | | |
| THERMOSTATS | NONE | PROTECTORS | NOT | WDG RTDs | NONE | BRG RTDs | NONE | THERMISTORS | NONE | CONTROL | FALSE | SPACE IN HEATERS | NONE VOLTS | | | | |

If Inverter equals NONE, contact factory for further information

| | |
|----------------------|----------------|
| INVERTER TORQUE: | VARIABLE 10:1 |
| INV. HP SPEED RANGE: | NONE |
| ENCODER: | NONE |
| NONE: | NONE |
| NONE: | NONE PPR |
| BRAKE: | NONE NONE |
| NONE: | PIN NONE |
| NONE: | NONE |
| NONE FT-LB: | NONE V NONE HZ |

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