

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 048S17D2017
Catalog No: D107
1/6,1725,DP,48Y,1/60/115
Fan and Blower



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REGAL[®]

Nameplate Specifications

| | | | |
|----------------------------|-------------------|------------------------|-----------------------|
| Output HP | 0.17 Hp | Output KW | 0.13 kW |
| Frequency | 60 Hz | Voltage | 115 V |
| Current | 3.6 A | Speed | 1725 rpm |
| Service Factor | 1.35 | Phase | 1 |
| Efficiency | 55 % | Duty | Continuous |
| Insulation Class | B | Design Code | NO DESIGN CODE |
| KVA Code | S | Frame | 48 |
| Enclosure | Drip Proof | Overload Protector | Automatic |
| Ambient Temperature | 40 °C | Drive End Bearing Size | 6203 |
| Opp Drive End Bearing Size | 6203 | UL | Recognized |
| CSA | Y | CE | N |
| IP Code | 22 | | |

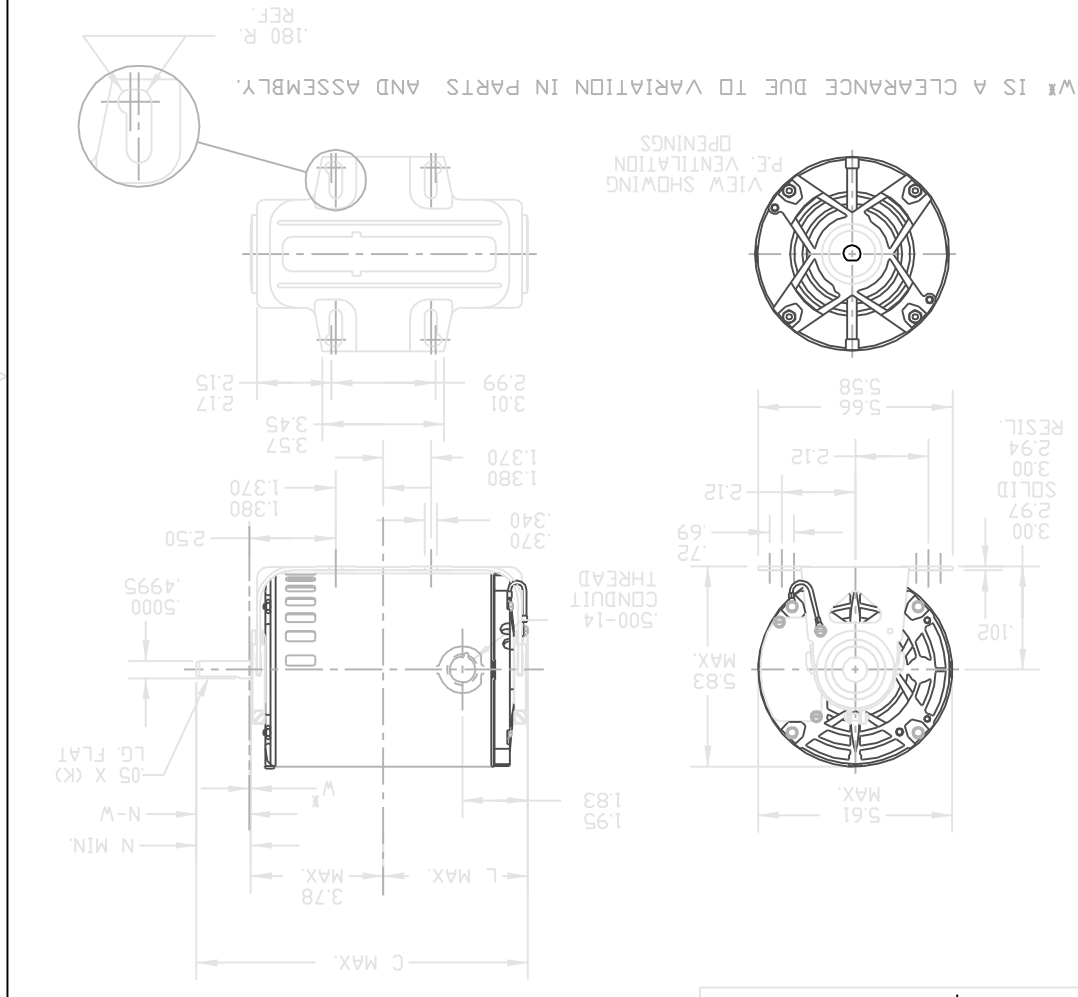
Technical Specifications

| | | | |
|-------------------|-----------------------|-----------------------|-----------------------------------|
| Electrical Type | Split Phase | Starting Method | Across The Line |
| Poles | 4 | Rotation | Selective Counterclockwise |
| Mounting | Resilient Base | Motor Orientation | Horizontal |
| Drive End Bearing | Sleeve | Opp Drive End Bearing | Sleeve |
| Frame Material | Rolled Steel | Shaft Type | T |
| Overall Length | 8.99 in | Shaft Diameter | 0.500 in |
| Shaft Extension | 1.5 in | Assembly/Box Mounting | F1 Only |
| Outline Drawing | 52A111285P1 | Connection Diagram | 52A105379AA |

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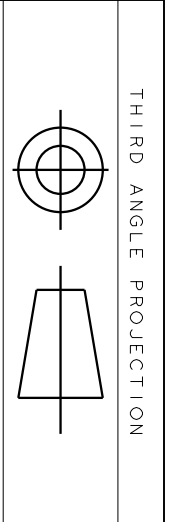
| | | | | | |
|------------------------------------------------------------|----------|---------------------------------------------------------|----------|-----------------------|------------------------------|
| SHEET 1 #1 | | SCALE: 0.250 | REF. No. | SOLID MODEL: 52A11285 | MATERIAL |
| REV 1 | 52A11285 | SIZE DRAWING | | ISSUED | DIMENSIONS ARE IN INCHES |
| BASE-BALL OR SLEEVE BEARING-SPECIAL MOUNTING HOLES IN BASE | | FORM-N-GENERAL PURPOSE MOTOR-DRIIP PROOF-SOLID DR RESIL | | QUALITY | FOR ADDITIONAL INFO REFER TO |
| OUTLINE | | TITLE | | MFG | |
| REGAL-BELOIT CORPORATION | | REGAL-BELOIT CORPORATION | | CHECKED | |
| | | DATE | | DETAIL | |
| | | SIGNATURES | | MODEL | |
| | | DATE | | DURGA 03/21/05 | |

| P | K | TYPE | GE | NEMA | C | K | L | N | N-W |
|---|------|------|----|------|------|------|------|-----------|-----|
| 1 | K KH | 32 | 48 | 8.99 | 1.25 | 3.71 | 1.50 | 1.63/1.41 | |



| | | | | | | | | | |
|------------------------|--|----------|--|---------------------------------|--|------|--|----------|--|
| THIRD ANGLE PROJECTION | | REV. 1 | | DESCRIPTION | | DATE | | APPROVED | |
| MADHU | | 04/28/06 | | CHG TO RBC FORMAT PER ISO5-1777 | | | | | |

52A11285 | SHEET 1 | DRAWING NO. | A |



| REV. | DESCRIPTION | DATE | APPROVED |
|------|----------------|----------|----------|
| 6 | UPDATED FORMAT | 12/01/05 | MAM |

EITHER ROTATION-SINGLE VOLTAGE-TYPE KC OR KH-WITH THERMAL PROTECTOR



NOTE #1 - TO REVERSE ROTATION INTERCHANGE RED (T8) AND BLACK (J9-KC OR T5-KH) LEADS.
 NOTE #2 - WHEN MORE THAN ONE CAPACITOR IS USED CONNECT IN PARALLEL.

SWITCH (C) - 115D958AB REF. DIAG. - 121A851 CONN. LABEL - 52X332048

| SIGNATURES | DATE |
|--------------------------|-----------------|
| MODEL M.D. PAPE | 06/29/87 |
| DETAIL | |
| CHECKED | |
| ENGRG | |
| MFG | |
| QUALITY | |
| ISSUED | M.D.P. 03/08/00 |
| SOLID MODEL: 52A105379AA | |

REGAL-BELOIT CORPORATION

REGAL-BELOIT

CONNECTION DIAGRAM

FME - 30 FR SWITCH REDESIGN

SCALE: 1.000 REF. No.:

SIZE DRAWING A

52A105379AA

REV 6

CERTIFICATION DATA SHEET

Model#: 48S17D2017 P WINDING#: 52X331756P1 NONE 0
 CONN. DIAGRAM: 52A105379AA ASSEMBLY: F1 ONLY
 OUTLINE: 52A111285P1

TYPICAL MOTOR PERFORMANCE DATA

| HP | KW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|-----|------|-----------|----------|-------|-----------|----------|----------------|
| 1/6 | 0.13 | 1800 | 1725 | 48 | DP | S | NO DESIGN CODE |

| PH | Hz | VOLTS | FL AMPS | START TYPE | DUTY | INSL | S.F | AMB°C | ELEVATION |
|----|----|-------|---------|-----------------|------------|------|------|-------|-----------|
| 1 | 60 | 115 | 3.6 | ACROSS THE LINE | CONTINUOUS | B3 | 1.35 | 40 | 3300 |

| FULL LOAD EFF: 55 | 3/4 LOAD EFF: 50.2 | 1/2 LOAD EFF: 41.7 | GTD. EFF | ELEC. TYPE | NO LOAD AMPS |
|--------------------|--------------------|--------------------|----------|-------------|--------------|
| FULL LOAD PF: 32.1 | 3/4 LOAD PF: 27.9 | 1/2 LOAD PF: 23.4 | 74 | SPLIT PHASE | - |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|-------------------|-----------------|-----------------|-------------|
| 8.19 LB-FT | 23.3 | 17.72 LB-FT 217 | 22.65 LB-FT 277 | 0 |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS /HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|------------|-----------|-----------------|--------------|-------------------|
| 0 dBA | 10 dBA | 0 LB-FT^2 | 0 LB-FT^2 | 10 SEC. | 2 | 0 LBS. |

*** SUPPLEMENTAL INFORMATION ***

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAINT |
|-----------------|------------------|----------------|-------------|-------------|--------------------|------------|---------|---------------|
| STANDARD | STANDARD | RESILIENT BASE | HORIZONTAL | FALSE | NONE | FALSE | NONE | GRAY (POWDER) |

| BEARINGS | | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL | FRAME MATERIAL |
|----------|--------|------------|------------|------------|-------------|--------------------------|----------------|
| DE | OPE | BEACON 325 | T | NONE | NONE | 1144 STRESSPROOF (C-223) | ROLLED STEEL |
| SLEEVE | SLEEVE | | | | | | |
| 6203 | 6203 | | | | | | |

| THERMO-PROTECTORS | | | | THERMISTORS | CONTROL | SPACE /n HEATERS |
|-------------------|------------|----------|----------|-------------|---------|------------------|
| THERMOSTATS | PROTECTORS | WDG RTDs | BRG RTDs | | | |
| NONE | AUTOMATIC | NONE | NONE | NONE | FALSE | NONE VOLTS |

If Inverter equals NONE, contact factory for further information

| |
|---------------------------|
| INVERTER TORQUE: NONE |
| INV. HP SPEED RANGE: NONE |
| ENCODER: NONE |
| NONE NONE |
| NONE NONE PPR |
| BRAKE: NONE NONE |
| NONE P/N NONE |
| NONE NONE |
| NONE FT-LB NONE V NONE Hz |

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DATE: 06/28/2017 06:40:10 AM
 FORM 3531 REV.3 02/07/99
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