

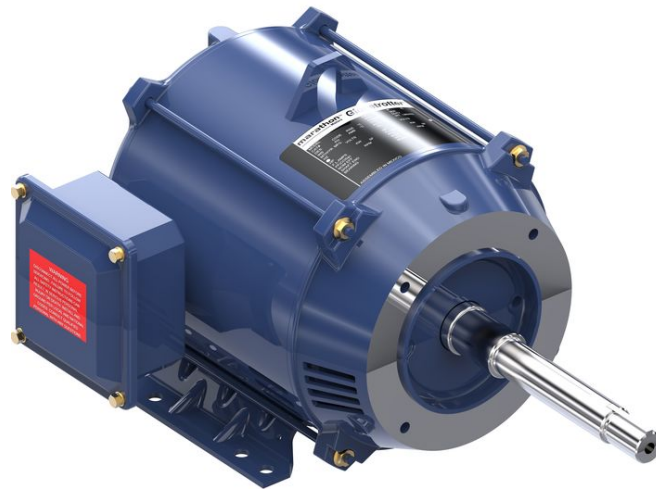
# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 184TTDBD6085

Catalog No: GT2408A

Globetrotter® Close-Coupled Pump Motor, 2 & 1.50 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V,  
1200 & 1000 RPM, 184JP Frame, DP



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**RegalRexnord**

### Nameplate Specifications

|                        |                         |                            |                         |
|------------------------|-------------------------|----------------------------|-------------------------|
| Phase                  | 3                       | Output HP                  | 2 & 1.50 Hp             |
| Output KW              | 1.5 & 1.1 kW            | Voltage                    | 208-230/460 & 190/380 V |
| Speed                  | 1175 & 980 rpm          | Service Factor             | 1.15 & 1.15             |
| Frame                  | 184JP                   | Enclosure                  | Drip Proof              |
| Thermal Protection     | No Protection           | Efficiency                 | 87.5 & 87 %             |
| Ambient Temperature    | 40 °C                   | Frequency                  | 60 & 50 Hz              |
| Current                | 6.4-6.4/3.2 & 5.4/2.7 A | Power Factor               | 70                      |
| Duty                   | Continuous              | Insulation Class           | F                       |
| Design Code            | A                       | KVA Code                   | M                       |
| Drive End Bearing Size | 6307                    | Opp Drive End Bearing Size | 6205                    |
| UL                     | Recognized              | CSA                        | Y                       |
| CE                     | Y                       | IP Code                    | 22                      |
| Number of Speeds       | 1                       |                            |                         |

### Technical Specifications

|                       |                              |                    |                            |
|-----------------------|------------------------------|--------------------|----------------------------|
| Electrical Type       | Squirrel Cage Inverter Rated | Starting Method    | Line Or Inverter           |
| Poles                 | 6                            | Rotation           | Reversible                 |
| Resistance Main       | 6.08 Ohms                    | Mounting           | Rigid Base                 |
| Motor Orientation     | Horizontal                   | Drive End Bearing  | Ball                       |
| Opp Drive End Bearing | Ball                         | Frame Material     | Rolled Steel               |
| Shaft Type            | JP                           | Shaft Diameter     | 1.250 in                   |
| Assembly/Box Mounting | F1/F2 CAPABLE                | Inverter Load      | CONSTANT 2:1/VARIABLE 10:1 |
| Outline Drawing       | SS600205-200                 | Connection Drawing | EE7308                     |

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| NO.                                                                                                                                                                                                                              | REVISION                                       | BY & DATE      | CHK | ANG   | TOLERANCES<br>UNLESS SPECIFIED |                 | DRAWN RM | 11/20/1990               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------|-----|-------|--------------------------------|-----------------|----------|--------------------------|
|                                                                                                                                                                                                                                  |                                                |                |     |       | DEC.                           | INCHES          |          |                          |
| 5                                                                                                                                                                                                                                | CHG TO REGAL LOGO                              | SL 09/10/2015  | AB  |       |                                |                 | CHK      | ML 11/21/1990            |
| 4                                                                                                                                                                                                                                | REVISED IEC NOTATIONS                          | MSG 11/15/2011 | CMN | .X    | ±.1                            |                 | APPD     | SAS 04/24/2003           |
| 3                                                                                                                                                                                                                                | ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194 | MSG 5/10/2010  | MJS | .XX   | ±.02                           |                 | SCALE    | 1=1                      |
| 2                                                                                                                                                                                                                                | ADDED THE OPTIONAL CORD CONNECTION MU46318     | RDH 04/24/2003 | DRS | .XXX  | ±.005                          |                 | REF      |                          |
| 1                                                                                                                                                                                                                                | REDRAWN                                        | RM 11/20/1990  |     | .XXXX | ±.0005                         |                 | FMF      |                          |
|                                                                                                                                                                                                                                  |                                                |                |     |       | ±7'30"                         |                 | PREV     |                          |
| THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT |                                                |                |     |       | RFP                            | CAD FILE ee7308 | SIZE     | DRAWING NO. PAGE OF REV. |
|                                                                                                                                                                                                                                  |                                                |                |     |       | DIST WP                        |                 | A        | EE7308 5                 |



**P.O. BOX 8003  
WAUSAU, WI 54401-8003  
PH. 715-675-3311**

**CERTIFICATION DATA SHEET****CUSTOMER:****ORDER #:****CONN. DIAGRAM:** EE7308**OUTLINE:** SS600205-184JP**WINDING #:** HE31126011 3**CUSTOMER PO#:****MODEL #:** 184TTDBD6085 AA**CUSTOMER PART #:****MOUNTING:** F1/F2 CAPABLE**TYPICAL MOTOR PERFORMANCE DATA**

| HP      | kW        | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|---------|-----------|-----------|----------|-------|-----------|----------|--------|
| 2&1 1/2 | 1.49&1.12 | 1200      | 1175&980 | 184JP | DP        | L        | B      |

| PH | Hz    | VOLTS           | AMPS            | START TYPE       | DUTY       | INSL | S.F.      | AMB°C |
|----|-------|-----------------|-----------------|------------------|------------|------|-----------|-------|
| 3  | 60/50 | 230/460&190/380 | 5.8/2.9&5.4/2.7 | LINE OR INVERTER | CONTINUOUS | F7   | 1.15/1.15 | 40    |

|                       |         |                      |      |                      |      |                 |  |                   |
|-----------------------|---------|----------------------|------|----------------------|------|-----------------|--|-------------------|
| <b>FULL LOAD EFF:</b> | 87.5&87 | <b>3/4 LOAD EFF:</b> | 87.5 | <b>1/2 LOAD EFF:</b> | 85.5 | <b>GTD. EFF</b> |  | <b>ELEC. TYPE</b> |
| <b>FULL LOAD PF:</b>  | 73.5&72 | <b>3/4 LOAD PF:</b>  | 66   | <b>1/2 LOAD PF:</b>  | 53.5 | 86.5            |  | SQ CAGE INV RATED |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE      | B.D. TORQUE      | F.L. RISE°C |
|-------------|-------------------|------------------|------------------|-------------|
| 8.9 LB-FT   | 50 / 25           | 17.8 LB-FT 200 % | 25.8 LB-FT 290 % | 30          |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2  | MAX. WK^2  | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|-------------|------------|-----------------|---------------|-------------------|
| 54 dBA                 | 64 dBA      | 0.6 LB-FT^2 | 32 LB-FT^2 | 25 SEC.         | 2             | 84 LBS.           |

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER      | SCREENS | PAINT        |
|-----------------|------------------|------------|-------------|-------------|--------------------|-----------------|---------|--------------|
| C-FACE          | STANDARD         | RIGID      | HORIZONTAL  | FALSE       | NONE               | PROVISIONS ONLY | NONE    | BLUE (EPOXY) |

| BEARINGS |      | GREASE     | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL          | FRAME MATERIAL |
|----------|------|------------|------------|------------|-------------|-------------------------|----------------|
| DE       | ODE  |            |            |            |             |                         |                |
| BALL     | BALL | POLYREX EM | JP         | NONE       | NONE        | 1045 HOT ROLLED (C-204) | ROLLED STEEL   |
| 6307     | 6205 |            |            |            |             |                         |                |

| THERMO-PROTECTORS |            |          |          | THERMISTORS | CONTROL | SPACE HEATERS |
|-------------------|------------|----------|----------|-------------|---------|---------------|
| THERMOSTATS       | PROTECTORS | WDG RTDs | BRG RTDs |             |         |               |
| NONE              | NOT        | NONE     | NONE     | NONE        | FALSE   | NONE VOLTS    |

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**INVERTER TORQUE:**

CONSTANT 2:1/VARIABLE 10:1

**INV. HP SPEED RANGE:** NONE**ENCODER:** NONE

NONE NONE

NONE NONE PPR

**BRAKE:** NONE NONE

NONE P/N NONE

NONE NONE

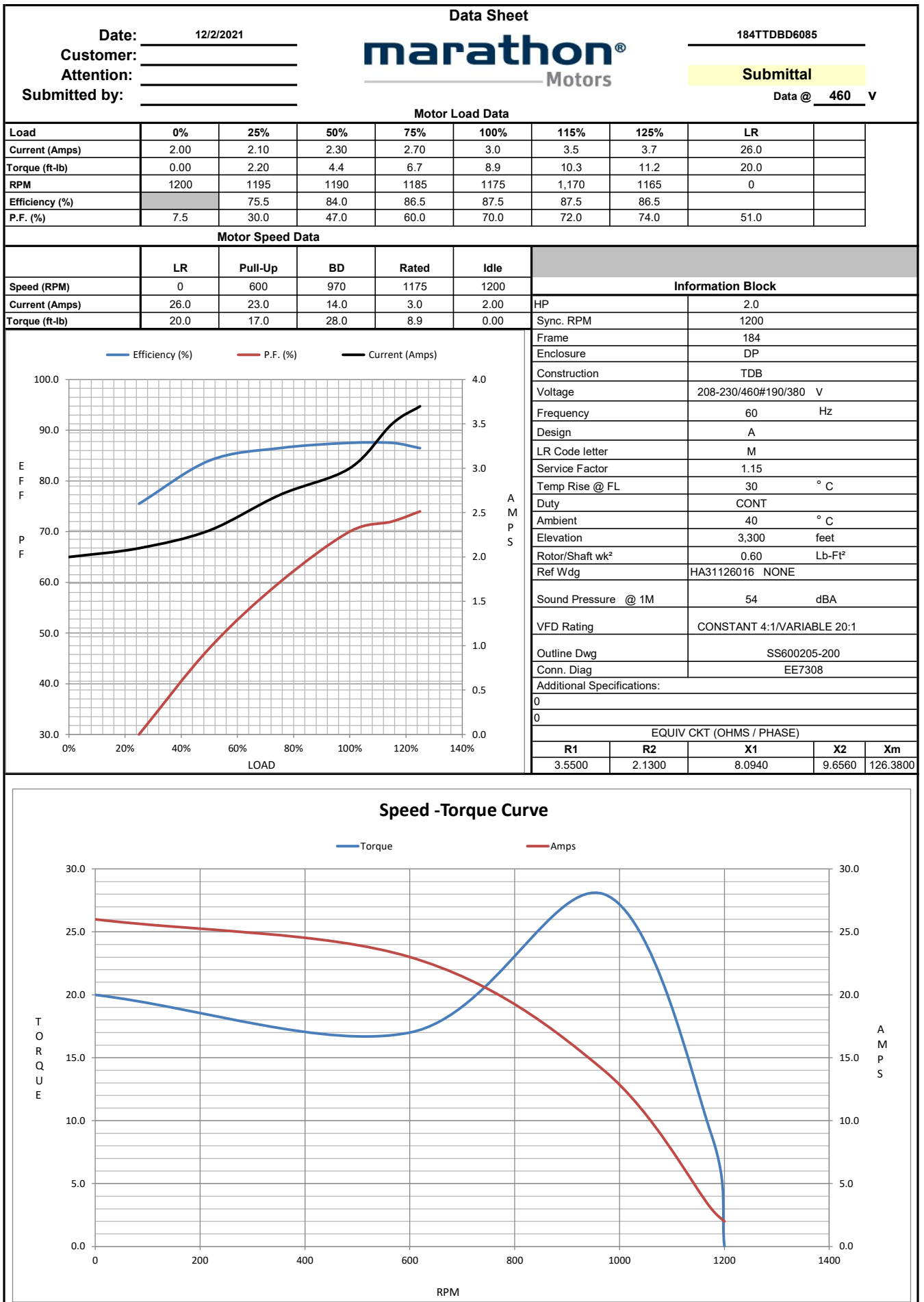
NONE FT-LB NONE V NONE Hz

**PREPARED BY:** DineshSuddula **DATE:**

02/13/2019 06:20:13 AM

FORM 3531 REV.3 02/07/99

\*\* Subject to change without notice.



## EC Declaration of Conformity

The undersigned representing  
the manufacturer:

Regal Beloit America  
100 East Randolph St.  
Wausau, WI 54401

and the authorized representative  
established within the Community:

Marathon Electric UK  
6F Thistleton Road Ind. Estate  
Market Overton  
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 184TTDBD6085

(Model No. may contain prefix and/or suffix characters)

Catalog No : GT2408A

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon  
Vice President, Technology

Authorized Representative in the Community:



Julian Clark  
Marketing Engineer

Created on 09/01/2022

**CE 22**