

# PRODUCT INFORMATION PACKET



Model No: 132237.00  
Catalog No: 132237.00  
3 HP General Purpose Motor, 3 phase, 1800 RPM, 230/460 V, 182T Frame, TEFC  
General Purpose Motors



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### Nameplate Specifications

|                        |            |                            |                             |
|------------------------|------------|----------------------------|-----------------------------|
| Output HP              | 3 Hp       | Output KW                  | 2.2 kW                      |
| Frequency              | 60 Hz      | Voltage                    | 230/460 V                   |
| Current                | 7.8/3.9 A  | Speed                      | 1760 rpm                    |
| Service Factor         | 1.15       | Phase                      | 3                           |
| Efficiency             | 89.5 %     | Power Factor               | 80.5                        |
| Duty                   | Continuous | Insulation Class           | F                           |
| Design Code            | B          | KVA Code                   | K                           |
| Frame                  | 182T       | Enclosure                  | Totally Enclosed Fan Cooled |
| Thermal Protection     | No         | Ambient Temperature        | 40 °C                       |
| Drive End Bearing Size | 6206       | Opp Drive End Bearing Size | 6205                        |
| UL                     | Recognized | CSA                        | Y                           |
| CE                     | Y          | IP Code                    | 43                          |
| Number of Speeds       | 1          |                            |                             |

### Technical Specifications

|                       |                             |                       |                 |
|-----------------------|-----------------------------|-----------------------|-----------------|
| Electrical Type       | Squirrel Cage Induction Run | Starting Method       | Across The Line |
| Poles                 | 4                           | 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            | T                           | Overall Length        | 13.96 in        |
| Frame Length          | 8.50 in                     | Shaft Diameter        | 1.125 in        |
| Shaft Extension       | 2.75 in                     | Assembly/Box Mounting | F2 ONLY         |
| Outline Drawing       | 035467-850                  | Connection Drawing    | 005010.20       |



| DASH NO. | "C"   | "AD" |
|----------|-------|------|
| 800      | 13.46 | 3.00 |
| 850      | 13.96 | 3.50 |
| 900      | 14.46 | 4.00 |
| 950      | 14.96 | 4.50 |
| 1000     | 15.46 | 5.00 |
| 1050     | 15.96 | 5.50 |
| 1100     | 16.46 | 6.00 |
| 1150     | 16.96 | 6.50 |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|
| DRAWING REVISION<br>C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | REVISION BY<br>KIR | DATE<br>01/22/16 |
| ECO<br>ECO-0092315                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | APPROVED BY<br>SS  | DATE<br>01/22/16 |
| ECO DESCRIPTION<br>DE BRACKET VIEW UPDATED AS PER MACHINED PART                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                  |
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**TOLERANCES UNLESS OTHERWISE SPECIFIED:**

| <u>DEC.</u> | <u>INCH</u> | <u>mm</u> | <u>ANGLE</u> |
|-------------|-------------|-----------|--------------|
| .X          | ±0.1        | [±2.5]    | ±7° 30'      |
| .XX         | ±0.03       | [±0.76]   |              |
| .XXX        | ±0.005      | [±0.127]  |              |
| .XXXX       | ±0.0005     | [±0.0127] |              |

REMOVE BURRS & BREAK SHARP  
EDGES: .003/.015 [.076/.381] X 45°  
CORNER FILLETS: R.02 [.51]  
MACHINED SURFACES: 200  5.1   
INCH  mm 

mm SHOWN IN [BRACKETS]

|                           |                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------|
| DRAWN BY<br>RDW 2/26/03   |                                                                                       |
| DATE                      |                                                                                       |
| APPROVED BY<br>SW 2/26/03 |                                                                                       |
| DATE                      |                                                                                       |
| REFERENCE                 |                                                                                       |
| THIRD ANGLE<br>PROJECTION |  |

|                                                                                                                                                                        |                                             |                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------------------------|
|  <div> <div>Regal<sup>TM</sup></div> <div>Regal Beloit America, Inc.</div> </div> |                                             |                                    |
| <div>DESCRIPTION</div> <div>OUTLINE</div> <div>TEFC - RIGID</div>                                                                                                      |                                             |                                    |
| <div>MATERIAL</div> <div>GENERAL PURPOSE - F2 MOUNT</div>                                                                                                              |                                             | <div>PROCESS/FINISH</div>          |
| <div>SIZE</div> <div>B</div>                                                                                                                                           | <div>DRAWING NUMBER</div> <div>035467</div> | <div>SHEET</div> <div>1 OF 1</div> |



## Data Sheet

Date: 1/31/2018

132237.00



Data @ 460 V

## Motor Load Data

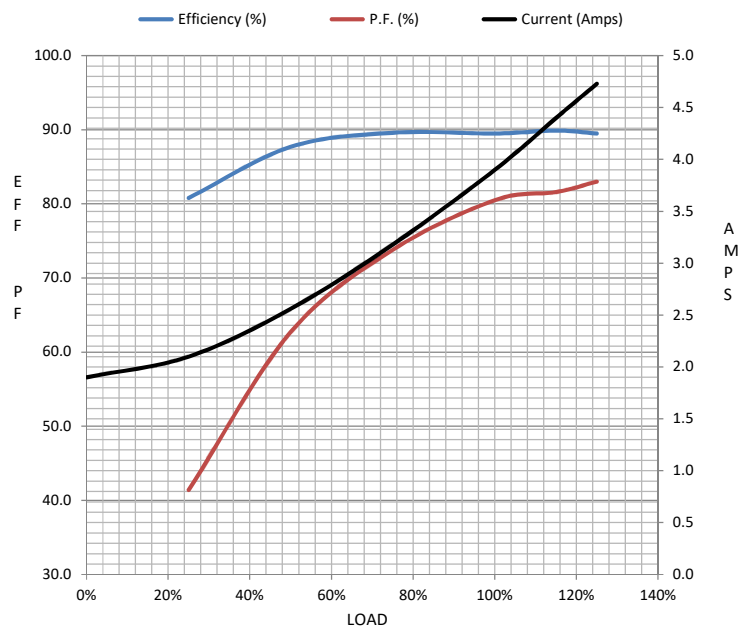
| Load           | 0%   | 25%  | 50%  | 75%  | 100% | 115%  | 125% | LR   |  |
|----------------|------|------|------|------|------|-------|------|------|--|
| Current (Amps) | 1.90 | 2.10 | 2.56 | 3.2  | 3.9  | 4.4   | 4.7  | 33.5 |  |
| Torque (ft-lb) | 0.00 | 2.20 | 4.4  | 6.6  | 8.9  | 10.3  | 11.2 | 22.5 |  |
| RPM            | 1800 | 1792 | 1785 | 1777 | 1770 | 1.766 | 1755 | 0    |  |
| Efficiency (%) |      | 80.8 | 87.7 | 89.6 | 89.5 | 89.9  | 89.5 |      |  |
| P.F. (%)       | 6.9  | 41.4 | 62.7 | 73.8 | 80.5 | 81.6  | 83.0 | 0.0  |  |

## Motor Speed Data

|                | LR   | Pull-Up | BD   | Rated | Idle |
|----------------|------|---------|------|-------|------|
| Speed (RPM)    | 0    | 900     | 1656 | 1770  | 1800 |
| Current (Amps) | 33.5 | 33.0    | 21.5 | 3.9   | 1.90 |
| Torque (ft-lb) | 22.5 | 21.0    | 36.0 | 8.9   | 0.00 |

## Information Block

|                            |            |        |        |        |
|----------------------------|------------|--------|--------|--------|
| HP                         | 3.0        |        |        |        |
| Sync. RPM                  | 1800       |        |        |        |
| Frame                      | 182        |        |        |        |
| Enclosure                  | TEFC       |        |        |        |
| Construction               | TFW        |        |        |        |
| Voltage                    | 230/460    | V      |        |        |
| Frequency                  | 60         | Hz     |        |        |
| Design                     | B          |        |        |        |
| LR Code letter             | K          |        |        |        |
| Service Factor             | 1.15       |        |        |        |
| Temp Rise @ FL             | 40         | ° C    |        |        |
| Duty                       | CONT       |        |        |        |
| Ambient                    | 40         | ° C    |        |        |
| Elevation                  | 1,000      | feet   |        |        |
| Rotor/Shaft wk²            | 0.38       | Lb-Ft² |        |        |
| Ref Wdg                    | T84174 FR  |        |        |        |
| Sound Pressure @ 1M        | 0          | dBA    |        |        |
| VFD Rating                 | NONE       |        |        |        |
| Outline Dwg                | 035467-850 |        |        |        |
| Conn. Diag                 | 005010.20  |        |        |        |
| Additional Specifications: |            |        |        |        |
| 0                          |            |        |        |        |
| 0                          |            |        |        |        |
| EQUIV CKT (OHMS / PHASE)   |            |        |        |        |
| R1                         | R2         | X1     | X2     | Xm     |
| 0.0000                     | 0.0000     | 0.0000 | 0.0000 | 0.0000 |



## Speed - Torque Curve

