

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110  
Customer reference : 06036OP3EFP326TSC-W4

Product line : W40 High Efficiency Three-Phase Product code : 14492096  
Catalog # : 06036OP3EFP326TSC-W4

|                       |                    |                             |                        |
|-----------------------|--------------------|-----------------------------|------------------------|
| Frame                 | : 324/6TSC         | Locked rotor time           | : 30s (cold) 17s (hot) |
| Output                | : 60 HP (45 kW)    | Temperature rise            | : 105 K                |
| Poles                 | : 2                | Duty cycle                  | : Cont.(S1)            |
| Frequency             | : 60 Hz            | Ambient temperature         | : -20°C to +40°C       |
| Rated voltage         | : 208-230/460 V    | Altitude                    | : 1000 m.a.s.l.        |
| Rated current         | : 153-141/70.6 A   | Protection degree           | : IP23                 |
| L. R. Amperes         | : 900-833/417 A    | Cooling method              | : IC01 - ODP           |
| LRC                   | : 5.9x(Code F)     | Mounting                    | : F-1                  |
| No load current       | : 35.0-40.6/20.3 A | Rotation <sup>1</sup>       | : Both (CW and CCW)    |
| Rated speed           | : 3555 rpm         | Starting method             | : Direct On Line       |
| Slip                  | : 1.25 %           | Approx. weight <sup>3</sup> | : 469 lb               |
| Rated torque          | : 87.4 ft.lb       |                             |                        |
| Locked rotor torque   | : 180 %            |                             |                        |
| Breakdown torque      | : 200 %            |                             |                        |
| Insulation class      | : F                |                             |                        |
| Service factor        | : 1.15             |                             |                        |
| Moment of inertia (J) | : 3.41 sq.ft.lb    |                             |                        |
| Design                | : B                |                             |                        |

|                |      |      |      |      |                  |
|----------------|------|------|------|------|------------------|
| Output         | 25%  | 50%  | 75%  | 100% | Foundation loads |
| Efficiency (%) | 92.3 | 92.4 | 93.0 | 93.0 | Max. traction    |
| Power Factor   | 0.54 | 0.78 | 0.84 | 0.86 | Max. compression |

|                      | Drive end              | Non drive end          |
|----------------------|------------------------|------------------------|
| Bearing type         | : 6312 Z C3            | : 6211 Z C3            |
| Sealing              | : Without Bearing Seal | : Without Bearing Seal |
| Lubrication interval | : 19658 h              | : 20000 h              |
| Lubricant amount     | : 21 g                 | : 11 g                 |
| Lubricant type       | Mobil Polyrex EM       |                        |

Notes  
downloaded from <http://dealerselectric.com>

This revision replaces and cancel the previous one, which must be eliminated.  
(1) Looking the motor from the shaft end.  
(2) Measured at 1m and with tolerance of +3dB(A).  
(3) Approximate weight subject to changes after manufacturing process.  
(4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

| Rev.         | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|---------|------|
|              |                 |           |         |      |
| Performed by |                 |           |         |      |
| Checked by   |                 |           |         |      |
| Date         | 14/04/2019      |           |         |      |

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Revision

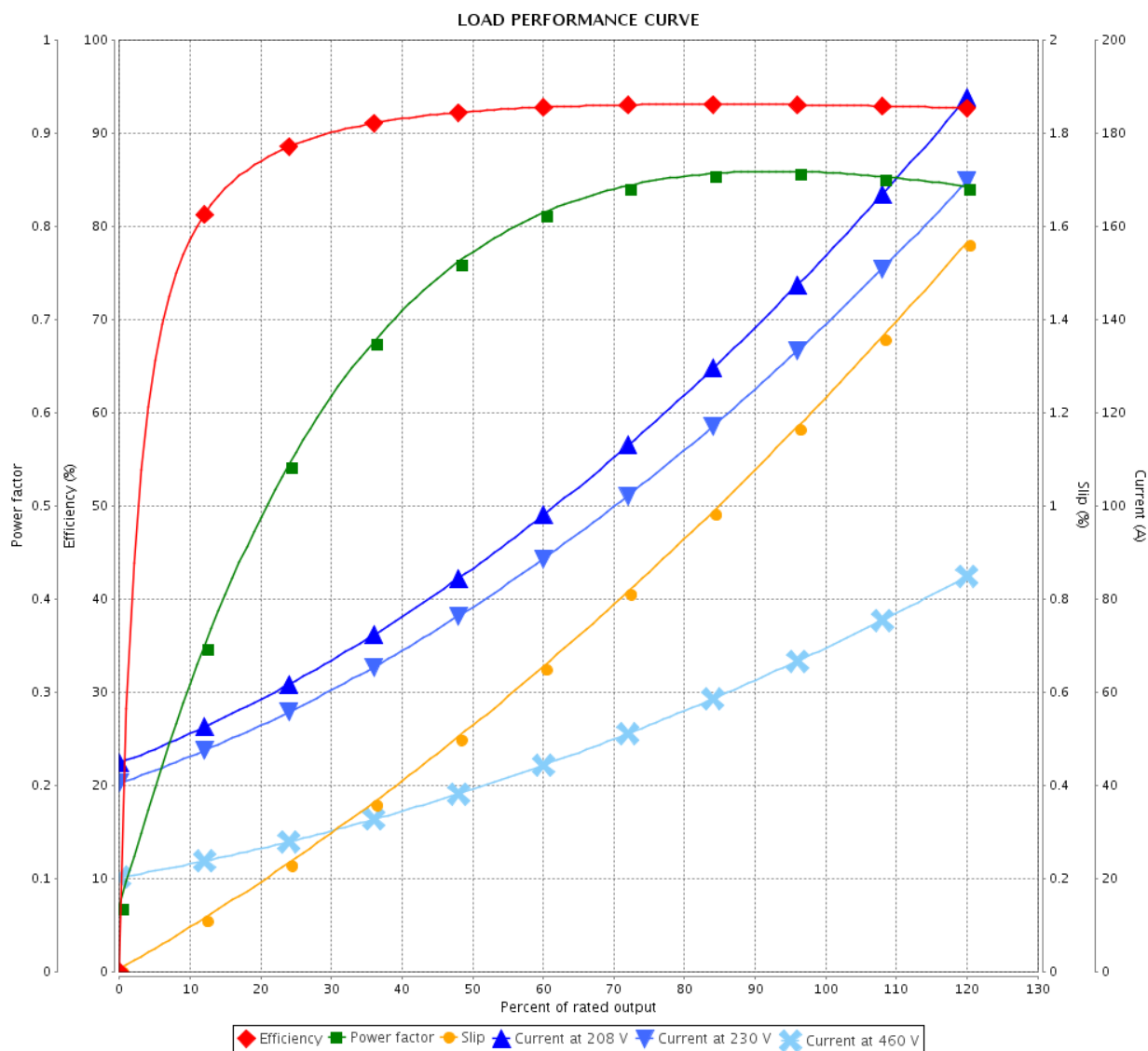
# LOAD PERFORMANCE CURVE

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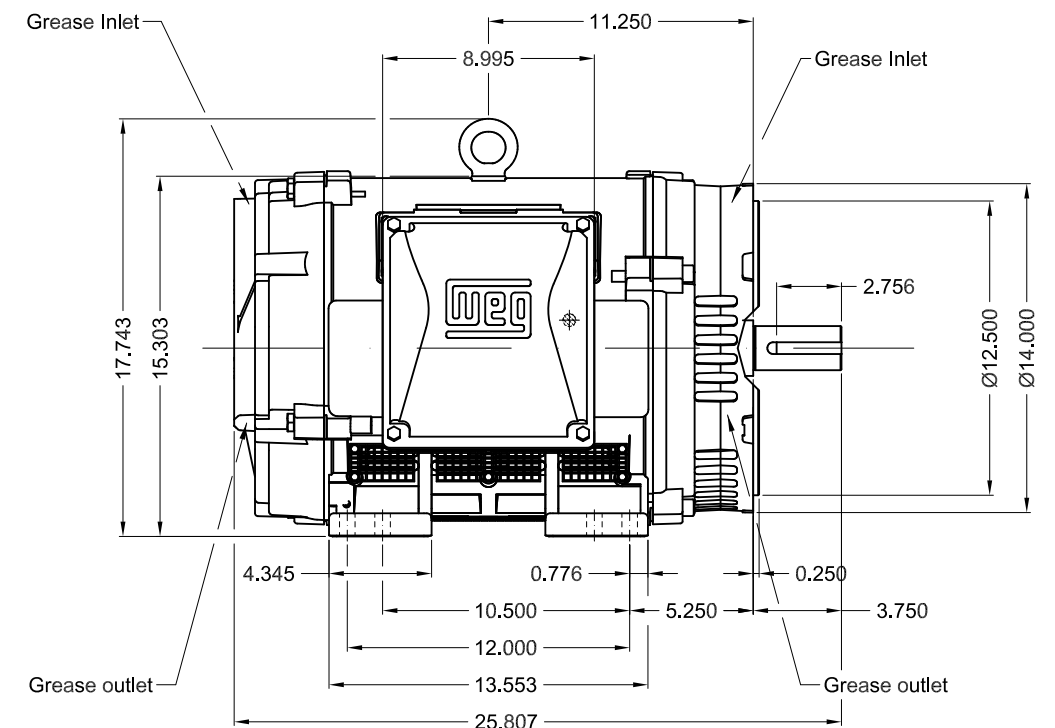


Performance : 208-230/460 V 60 Hz 2P

|                                |                                       |
|--------------------------------|---------------------------------------|
| Rated current : 153-141/70.6 A | Moment of inertia (J) : 3.41 sq.ft.lb |
| LRC : 5.9                      | Duty cycle : Cont.(S1)                |
| Rated torque : 87.4 ft.lb      | Insulation class : F                  |
| Locked rotor torque : 180 %    | Service factor : 1.15                 |
| Breakdown torque : 200 %       | Temperature rise : 105 K              |
| Rated speed : 3555 rpm         | Design : B                            |

| Rev.         | Changes Summary | Performed | Checked | Date     |
|--------------|-----------------|-----------|---------|----------|
|              |                 |           |         |          |
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| Date         |                 |           |         |          |

THIS IS AN UPDATED REVISION, THE  
PREVIOUS ONE MUST BE DISREGARDED.



|       |     |
|-------|-----|
| SCALE | 1:8 |
|-------|-----|

| ECM      |  | LOC        | SUMMARY OF MODIFICATIONS                                                              |                                | EXECUTED            | CHECKED     | RELEASED | DATE | VER |
|----------|--|------------|---------------------------------------------------------------------------------------|--------------------------------|---------------------|-------------|----------|------|-----|
| EXECUTED |  | USERADMIN  |  | THREE PHASE W40 MOTOR HIGH EFF |                     |             |          |      |     |
| CHECKED  |  |            |                                                                                       | FRAME 324/6TSC IP23 ODP        |                     |             |          |      |     |
| RELEASED |  |            |                                                                                       | WEG code: 14492096             |                     |             |          |      |     |
| REL DT   |  | 14.04.2019 | WMO                                                                                   | Jaragua do Sul                 | Product Engineering | SHEET 1 / 1 |          |      |     |

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