## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



## Customer

| Product line  |  |   |   | EMA Premiu                             | ım  | Product code :  | 14407175  |   |
|---|--|---|---|--|---|---|---|---|
| Frame<br>Output<br>Poles<br>Frequency<br>Rated voltage<br>Rated current<br>L. R. Amperes<br>LRC<br>No load current<br>Rated speed<br>Slip<br>Rated torque<br>Locked rotor tor<br>Breakdown torq<br>Insulation class<br>Service factor<br>Moment of inerti<br>Design | que<br>ue  | : 326<br>: 50<br>: 4<br>: 60<br>: 575<br>: 48.1<br>: 354<br>: 7.3<br>: 20.1<br>: 177<br>: 1.3<br>: 20.4<br>: 177<br>: 1.3<br>: 20.4<br>: 260<br>: 280<br>: F<br>: 1.1 | HP (37 kW)<br>Hz<br>5 V<br>6 A<br>x(Code H)<br>0 A<br>75 rpm<br>9 %<br>4 kgfm<br>9 %<br>9 % |  | Temper<br>Duty cy<br>Ambier<br>Altitude<br>Protect<br>Cooling<br>Mounti<br>Rotatio<br>Noise I<br>Starting | nt temperature<br>e<br>ion degree<br>g method<br>ng<br>n <sup>1</sup> | : 28s (cold<br>: 80 K<br>: Cont.(S1<br>: -20°C to<br>: 1000 m.a<br>: IP55<br>: IC411 - T<br>: F-1<br>: Both (CW<br>: 71.0 dB(/<br>: Direct Or<br>: 310 kg | )<br>+40°C<br>i.s.l.<br>EFC<br>/ and CCW)<br>A) |
| Output  | 25%  | 50%   | 75%   | 100%                                   | Foundati  | on loads  |   |   |
| Efficiency (%)  | 93.4   | 93.6  | 94.5  | 94.5                                   | Max. trac   |   | : 566 kgf   |   |
| Power Factor  | 0.41   | 0.65  | 0.76  | 0.81                                   | Max. con  | npression   | : 876 kgf   |   |
| Bearing type<br>Sealing<br>Lubrication inter<br>Lubricant amout<br>Lubricant type<br>Notes:   |  |   | Oil<br>20   | 12 C3<br>I Seal<br>000 h<br>21 g<br>Mo | obil Polyrex  | 6212 C3<br>Lip Seal<br>20000 h<br>13 g<br>EM                          |   |   |
| This revision rep<br>must be eliminate<br>(1) Looking the n<br>(2) Measured at<br>(3) Approximate<br>manufacturing pr<br>(4) At 100% of fu  | ed.<br>notor from 1<br>1m and wit<br>weight sub<br>rocess. | the shaft e<br>h toleranc   | end.<br>e of +3dB(/   |  |   | •   | based on tests w<br>ne tolerances stip  |   |
| Rev.  |  | Cł  | anges Sum   | nmary                                  |   | Performed   | Checked   | Date  |
|   |  |   |   |  |   |   |   |   |
| Performed by<br>Checked by  | AFIOLIO  | 004   |   |  |   |   | Page  | Revision  |
| Date  | 15/01/2  | 024   |   |  |   |   | 1/3   |   |

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| ID                        | Application | Туре                 | Quantity  | Sensing Temperature |          |
|---------------------------|-------------|----------------------|-----------|---------------------|----------|
| 1                         | Winding     |                      | 1 x Phase | 1                   | 55 °C    |
| 1                         | Winding     | Thermostat - 2 wires | 1 x Phase | 1                   | 55 °C    |
|                           |             |                      |           |                     |          |
| Rev.                      | Changes     | s Summary            | Performed | Checked             | Date     |
| erformed by<br>Checked by |             |                      |           | Page                | Revision |

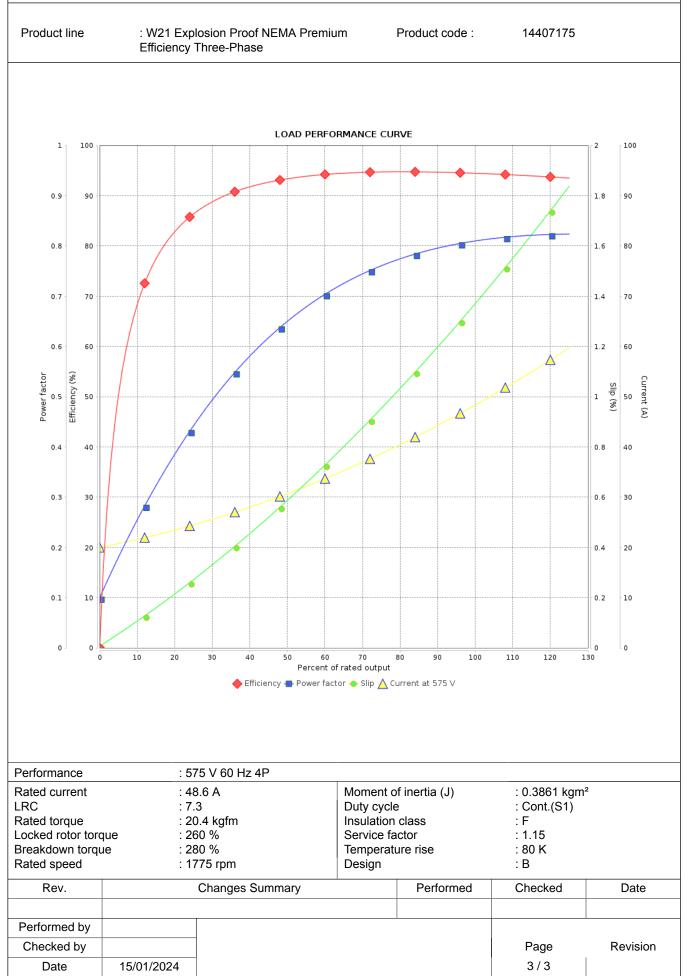


## LOAD PERFORMANCE CURVE

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:

Customer



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