DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

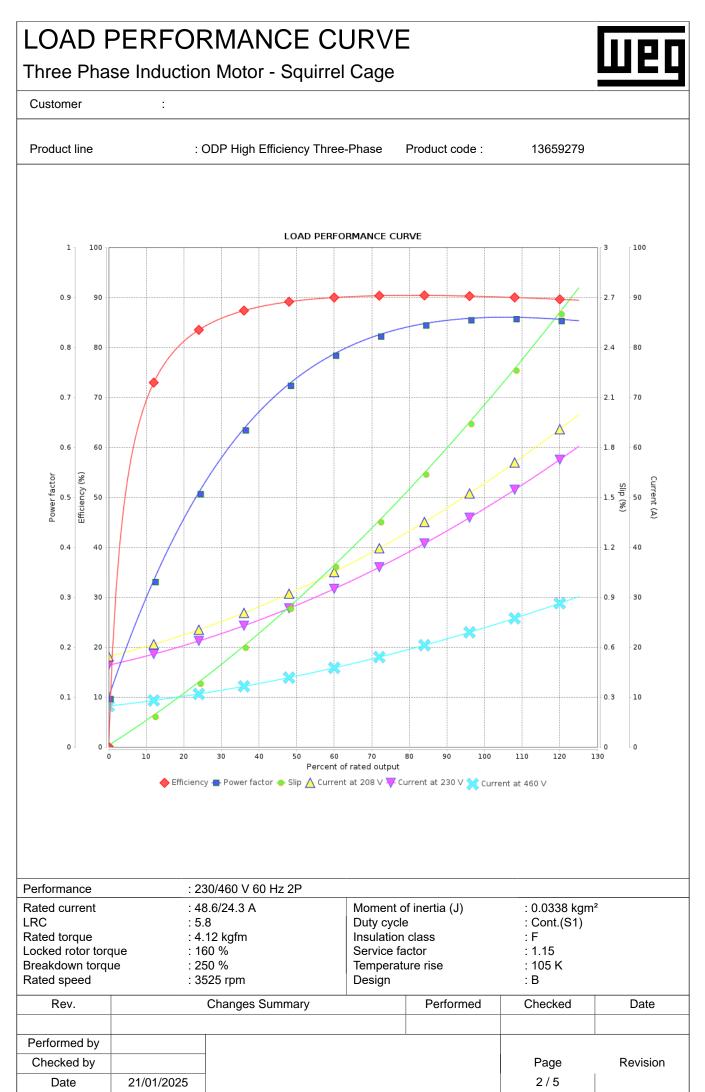
| Frame | | : ODP High Efficiency | | | 004 000 | |
|---|--|---|------------------------|-----------------------|---|--|
| Frame | | : 254TC Cooling method | | | : IC01 - ODP : F-1 | |
| Insulation class | | : F : Cont (S1) | Mounting Retation1 | | • | |
| Duty cycle | | : Cont.(S1) Rotation ¹ : Both (CW and C : -20°C to +40°C Starting method : Direct On Line | | | | |
| Ambient temperature Altitude | | | | | | |
| Protection degree | | : IP23 Moment of inertia (J) | | | 94.3 kg).0338 kgm² | |
| Design | | : B | | | 7.0356 Kgm | |
| Output [HP] | | 20 | 20 | 20 | 20 | |
| Poles | | 2 | 2 | 2 | 2 | |
| requency [Hz] | | 60 | 50 | 50 | 50 | |
| Rated voltage [V] | | 230/460 | 380 | 400 | 415 | |
| Rated current [A] | | 48.6/24.3 | 30.3 | 29.4 | 28.7 | |
| L. R. Amperes [A] | | 282/141 | 127 | 135 | 144 | |
| LRC [A] | | 5.8x(Code G) | 4.2x(Code D) | 4.6x(Code E) | 5.0x(Code F) | |
| No load current [A] | | 16.4/8.20 | 8.63 | 10.4 | 12.1 | |
| Rated speed [RPM] | | 3525 | 2890 | 2905 | 2920 | |
| Slip [%] | | 2.08 | 3.67 | 3.17 | 2.67 | |
| Rated torque [kgfm] | | 4.12 | 5.02 | 5.00 | 4.97 | |
| Locked rotor torque [%] | | 160 | 130 | 140 | 160 | |
| Breakdown torque [%] | | 250 | 200 | 210 | 229 | |
| Service factor | | 1.15 | 1.00 | 1.15 | 1.15 | |
| Temperature rise | | 105 K | 105 K | 105 K | 105 K | |
| Locked rotor time | | 18s (cold) 10s (hot) | 18s (cold) 10s (hot) | 16s (cold) 9s (ho | | |
| Noise level ² | | 66.0 dB(A) | | | | |
| | 25% | 00.5 | 00.5 | 005 | ~7.5 | |
| Efficiency (%) | 50% | 89.5 | 86.5 | 86.5 | 87.5 | |
| | 75% | 90.2 | 87.5 | 87.5 | 87.5 | |
| | 100% 25% | 90.2 | 86.5 | 86.5 | 87.5 | |
| Power Factor | 50% | 0.74 | 0.77 | 0.71 | 0.66 | |
| | 75% | 0.83 | 0.85 | 0.81 | 0.78 | |
| | 100% | 0.86 | 0.87 | 0.85 | 0.83 | |
| | 10070 | | rive end Foundation lo | | 0.00 | |
| Bearing type | | | | | 20 kaf | |
| | | Max. addition | | | | |
| Sealing | | | | 551011 : 2 | zi kyi | |
| Lubrication inter- | vol | | ing Seal | | | |
| Lubrication interval | | | 20000 h 20000 h | | | |
| Lubricant amount Lubricant type | | : 13 g 9 g : Mobil Polyrex EM | | | | |
| | | | | | | |
| | | | | | | |
| Notes | | | | | | |
| Notes | 53.7A SF 1. | 15 SFA 61.8A | | | | |
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| Notes USABLE @208V | ′ 53.7A SF 1. | 15 SFA 61.8A | | | | |
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| Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1 | aces and car ed. notor from the 1m and with t | ncel the previous one, wh e shaft end. tolerance of +3dB(A). | power supply, | - | | |
| Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v | aces and car ed. notor from the 1m and with t weight subject | ncel the previous one, wh | power supply, | - | | |
| Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 2 (3) Approximate v manufacturing pro | aces and car ed. totor from the 1m and with t weight subject ocess. | ncel the previous one, wh e shaft end. tolerance of +3dB(A). | power supply, | - | | |
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| Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate w manufacturing pro (4) At 100% of ful Rev. | aces and car ed. totor from the 1m and with t weight subject ocess. | ncel the previous one, wh e shaft end. tolerance of +3dB(A). ct to changes after | power supply, MG-1. | subject to the tolera | nces stipulated in NEMA | |

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 Date
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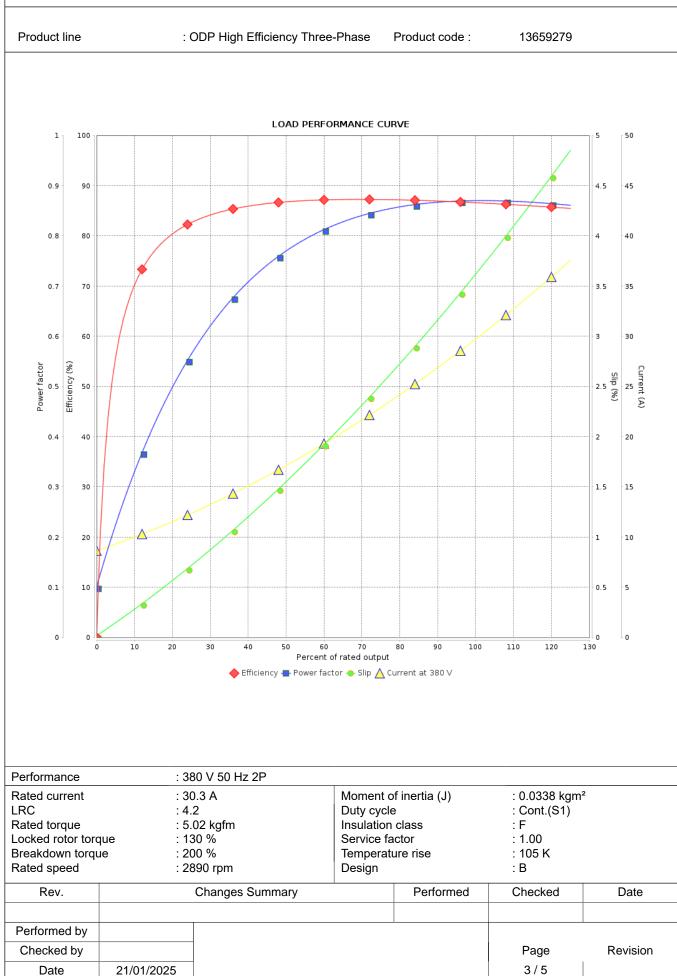
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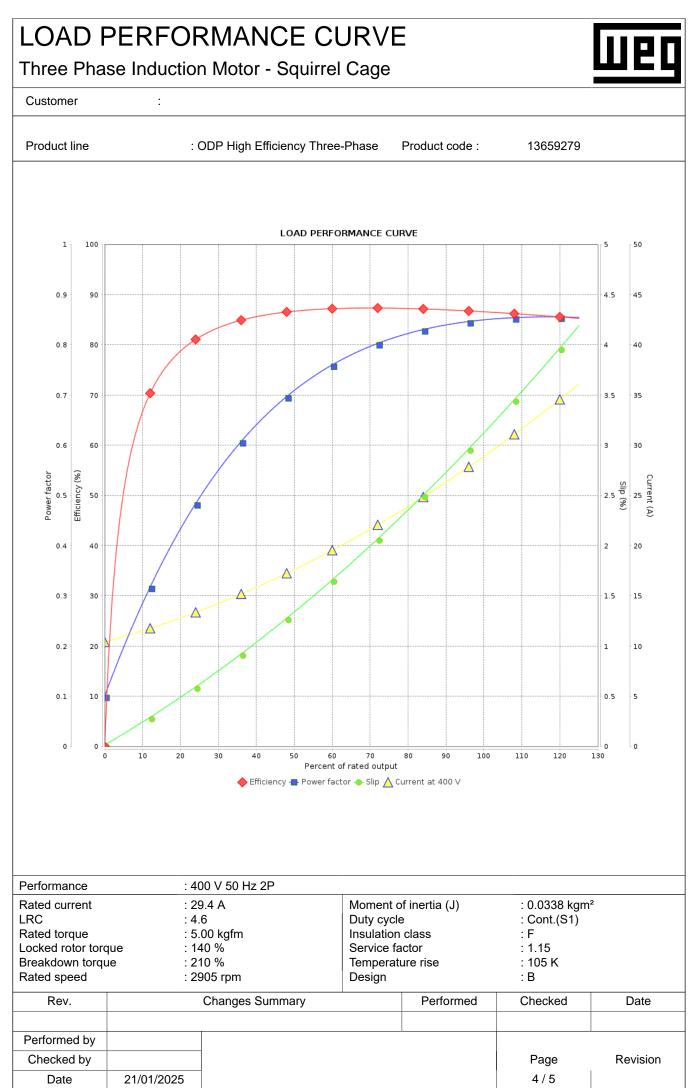
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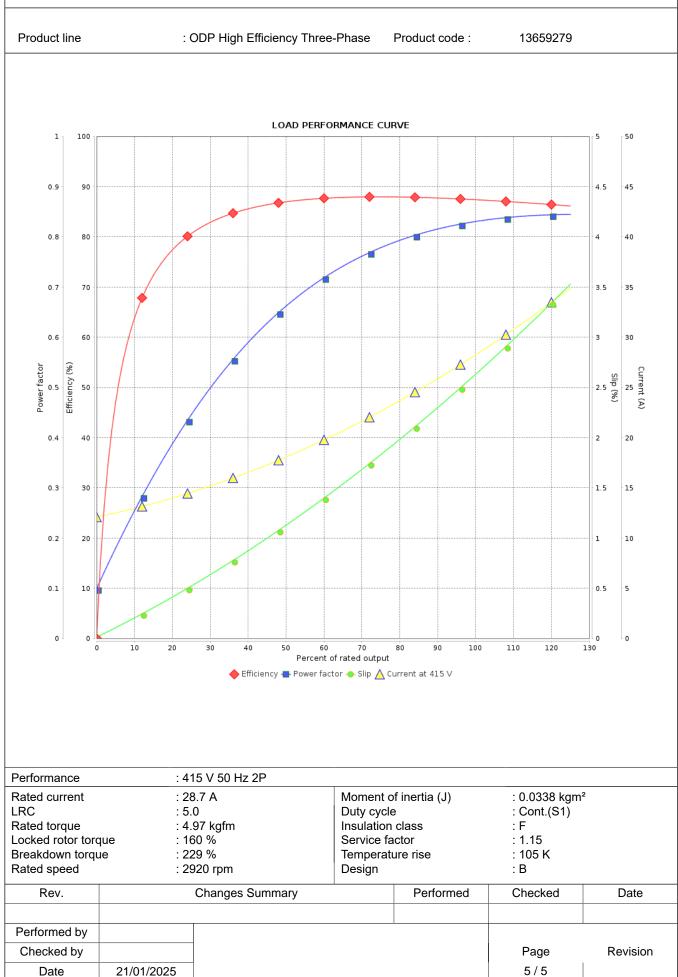
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