

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 11165765

| | | | |
|-----------------------|-------------------------|-----------------------------|------------------------|
| Frame | : 586/7T | Locked rotor time | : 52s (cold) 29s (hot) |
| Output | : 350 HP (260 kW) | Temperature rise | : 80 K |
| Poles | : 6 | Duty cycle | : Cont.(S1) |
| Frequency | : 60 Hz | Ambient temperature | : -20°C to +40°C |
| Rated voltage | : 575 V | Altitude | : 1000 m.a.s.l. |
| Rated current | : 337 A | Protection degree | : IP55 |
| L. R. Amperes | : 2021 A | Cooling method | : IC411 - TEFC |
| LRC | : 6.0x(Code G) | Mounting | : F-1 |
| No load current | : 136 A | Rotation ¹ | : Both (CW and CCW) |
| Rated speed | : 1192 rpm | Noise level ² | : 77.0 dB(A) |
| Slip | : 0.67 % | Starting method | : Direct On Line |
| Rated torque | : 213 kgfm | Approx. weight ³ | : 1839 kg |
| Locked rotor torque | : 190 % | | |
| Breakdown torque | : 210 % | | |
| Insulation class | : F | | |
| Service factor | : 1.15 | | |
| Moment of inertia (J) | : 13.8 kgm ² | | |
| Design | : B | | |

| | | | | | |
|----------------|------|------|------|------------------|------------|
| Output | 50% | 75% | 100% | Foundation loads | |
| Efficiency (%) | 95.4 | 95.8 | 95.8 | Max. traction | : 2144 kgf |
| Power Factor | 0.67 | 0.77 | 0.81 | Max. compression | : 3983 kgf |

Losses at normative operating points (speed;torque), in percentage of rated output power

| P1 (0,9;1,0) | P2 (0,5;1,0) | P3 (0,25;1,0) | P4 (0,9;0,5) | P5 (0,5;0,5) | P6 (0,5;0,25) | P7 (0,25;0,25) |
|--------------|--------------|---------------|--------------|--------------|---------------|----------------|
| 5.0 | 3.7 | 3.0 | 3.0 | 2.0 | 1.6 | 0.9 |

| | | |
|----------------------|----------------------|----------------------|
| | <u>Drive end</u> | <u>Non drive end</u> |
| Bearing type | : NU-322 C3 | : 6319 C3 |
| Sealing | : Taconite Labyrinth | : Taconite Labyrinth |
| Lubrication interval | : 7000 h | : 13000 h |
| Lubricant amount | : 60 g | : 45 g |
| Lubricant type | : Mobil Polyrex EM | |

Notes:

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 | | Page | | Revision |
| Checked by | | 1 / 3 | | |
| Date | 13/01/2024 | | | |

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Space heater information

Voltage: 200 - 240 V

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|---------|----------|
| Performed by | | | | |
| Checked by | | | Page | Revision |
| Date | 13/01/2024 | | 2 / 3 | |

LOAD PERFORMANCE CURVE

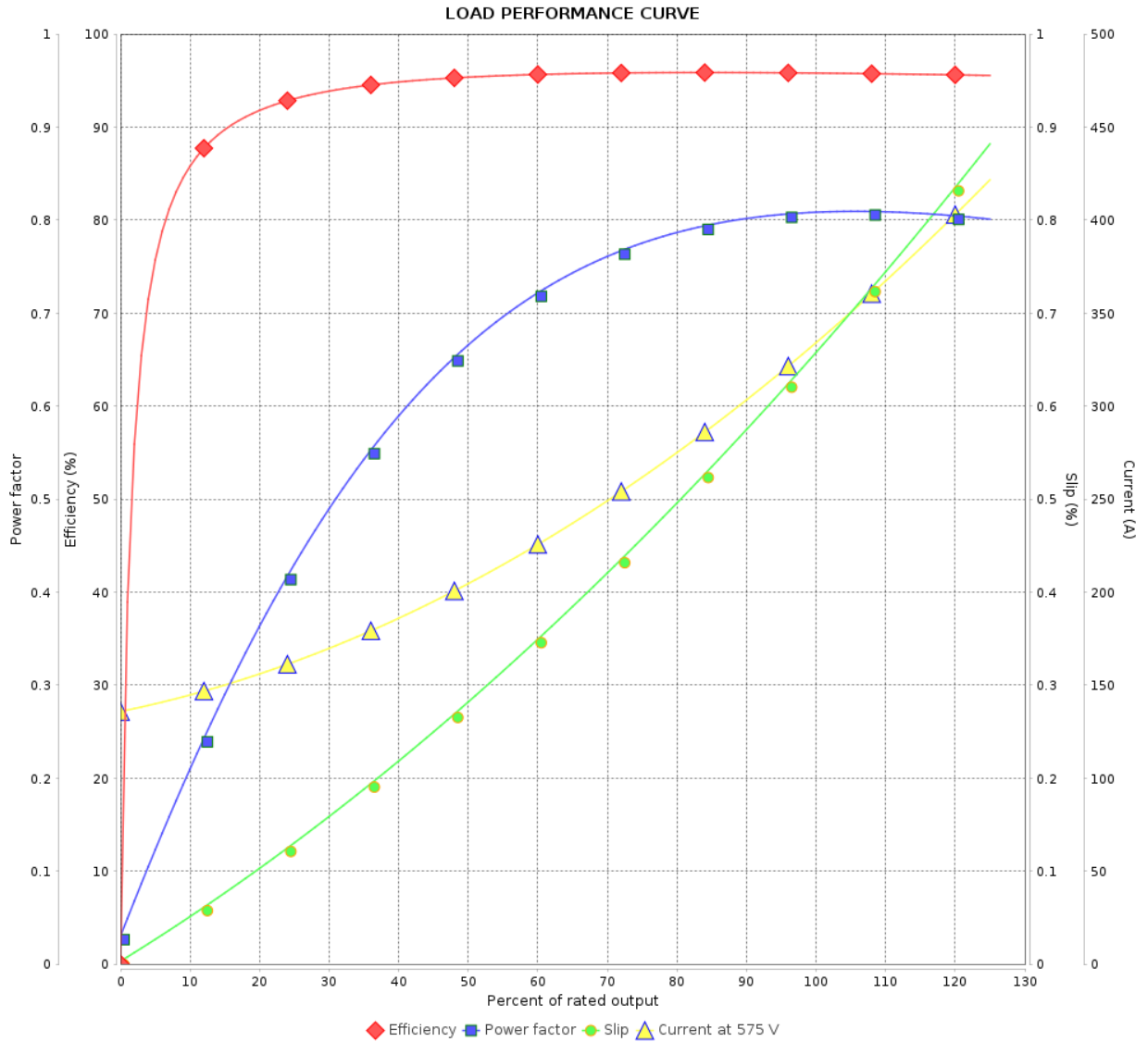
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11165765

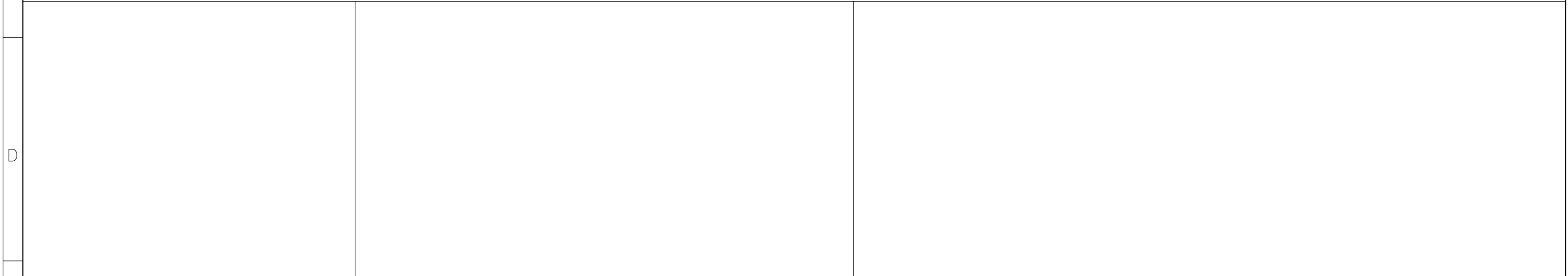
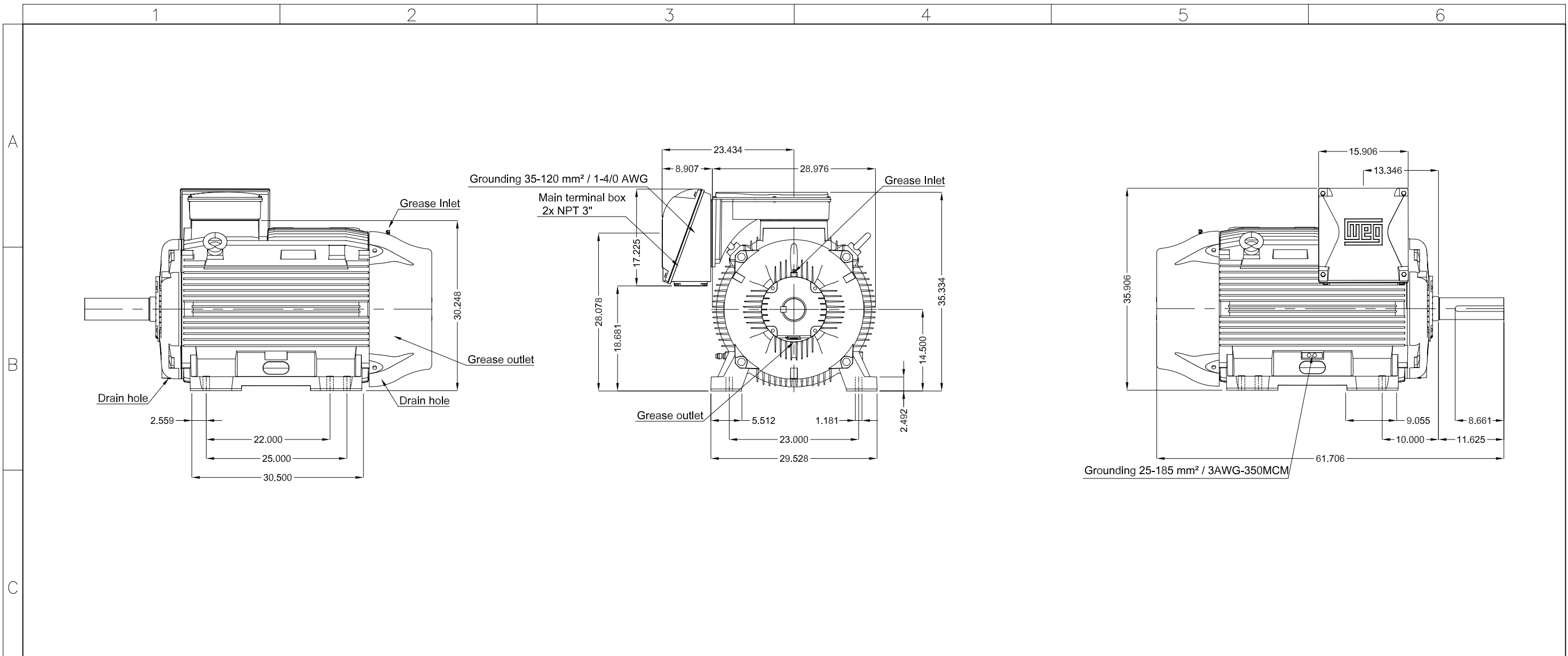


Performance : 575 V 60 Hz 6P

Rated current : 337 A
 LRC : 6.0
 Rated torque : 213 kgfm
 Locked rotor torque : 190 %
 Breakdown torque : 210 %
 Rated speed : 1192 rpm

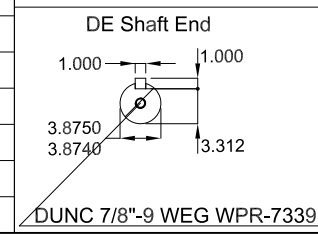
Moment of inertia (J) : 13.8 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|----------|------|
| | | | | |
| Performed by | | | | |
| Checked by | | | | |
| Date | | | | |
| | | Page | Revision | |
| | | 3 / 3 | | |



350 HP 06 Poles 60 Hz A

- Without vertical jackscrews
- DE roller bearing
- Shaft locking device
- NDE endshield with electrically insulated bearing hub
- Color RAL 5009
- Painting plan 203A
- Mounting B3R(D)



| | | | | | | | | | |
|-----------|------------|---|------------|---------|----------|--------|-----|---------|----|
| ECM | LOC | SUMMARY OF MODIFICATIONS | HYBRISUSER | | | | | | 00 |
| EXECUTED | HYBRISUSER | | EXECUTED | CHECKED | RELEASED | DATE | VER | | |
| CHECKED | | THREE PH. MOTOR W22 NEMA PREM. EFF. FRAME 586/7T IP55 TEFC | PREVIEW | | | WDD 00 | | SHEET / | |
| RELEASED | | | WEG | | | | | | |
| REL. DATE | | | | | | | | | |