GE
Power Conversion

# N3 Series Model N37

## MV Induction Motor

4 Pole, 50Hz


# More power in a smaller package.

## Built on extensive rotating machine experience.

GE manufactured motors and generators for some of the first commercial and industrial electrical applications. We continue to deliver innovative electrical and mechanical power solutions to the world. Our machines efficiently operate in challenging applications and severe environments where reliability and ease of maintenance is critical.

## Innovations pack more power in a smaller frame.

A specially-designed frame and stator in the N37 that cools so effectively, that higher power ratings are easily achieved by smaller frame sizes. This motor is ideally suited in applications where space is at a premium and in platforms that require less weight.

## Fast builds with pre-engineered components.

The N37 features a standard set of frame, rotor and stator components that can fit into the majority of common application configurations. This means a faster cycle time to build and more consistent performance results during operation.

## Better access to the core.

Portals in the sides of the frame give unpresidented access to the stator and rotor from the sides instead of just at the drive-end and opposite drive-end. This makes examination and maintenance much easier for plant operators.

## Quick selection with catalogue product.

Standard-built N37 squirrel-cage induction motors operate at 50 Hz, 1500 rpm synchronous speed with outputs ranging up to 18,500 kW.

- Designed for direct-on-line applications and can optionally work with drives.
- Rated ExP for use in a safe zone and can be modified for ExN.
- Welded totally enclosed frame construction with air, water and blower-mounted cooling. WPII enclosure is also available.
- IP 55 standard protection.

# Innovative electro-mechanical design.

## Technical Features

- Adheres to IEC 60034
- S1 duty (S2 to S9 duty types optional)
- 50 Hz. frequency
- 3300, 6600 and 11000 volts (other voltages optional)
- Class F insulation
- ≤ 1000 meter altitude
- -20° to +40° C ambient

  **TEWAC:** Default Inlet water temperature is 25°C. Catalogue is suitable for 25°C and 30°C

  **TEAAC:** Ambient air temperature is 40°C.

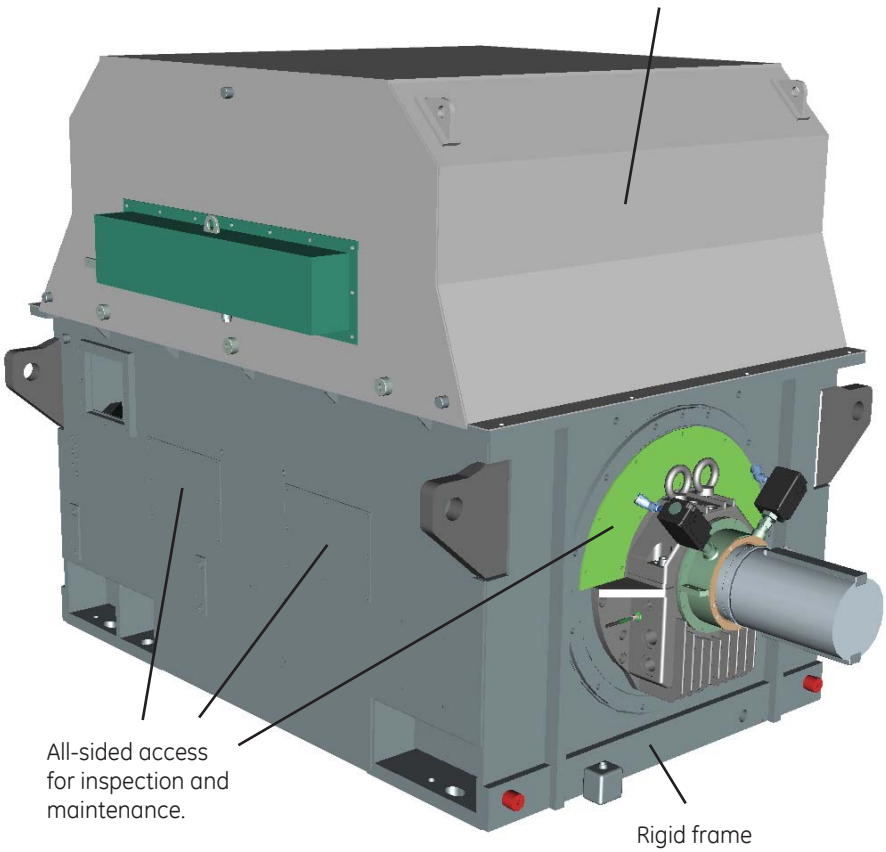
  Note: Other voltages, higher altitude or ambient will require engineering evaluation and design customization.

- Class B winding temperature rise by resistance method
- Maximum torque limitation – Bi-phase short circuit condition is considered for the winding, shaft and frame. (Fast bus transfer torque may be verified upon request.)
- Vibration levels compliant to American Petroleum Institute (API) specifications.
- Low Noise

  **TEWAC:** Average sound pressure of 80 dB(A) max at 1 m no load.

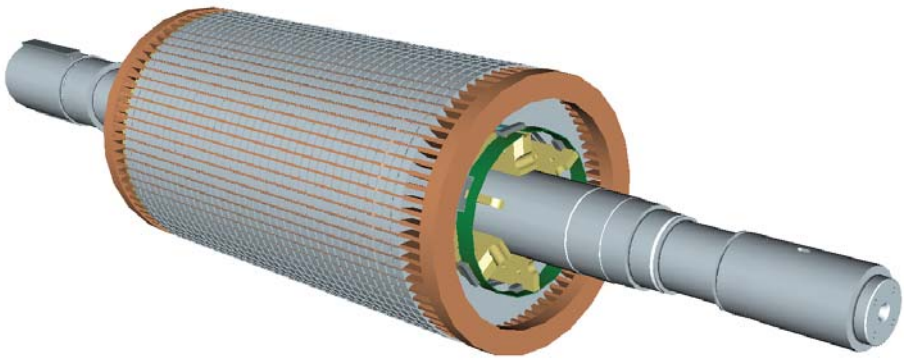
  **TEAAC:** Average sound pressure of 85 dB(A) max at 1 m no load.

  Lower dB(A) levels are available upon request.



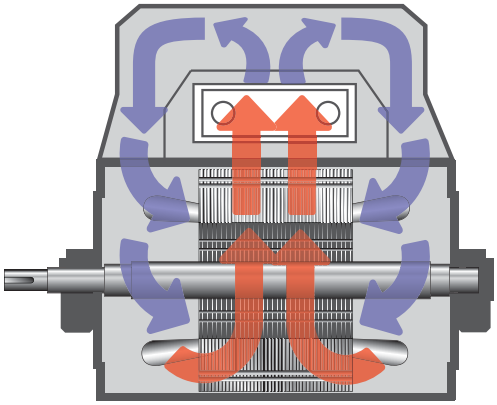

## Benefits

- Small footprint due to high power density.
- High efficiency to assist with energy savings.
- Low vibration enables high reliability and MTBF.
- Low noise level to help reduce environmental impact.

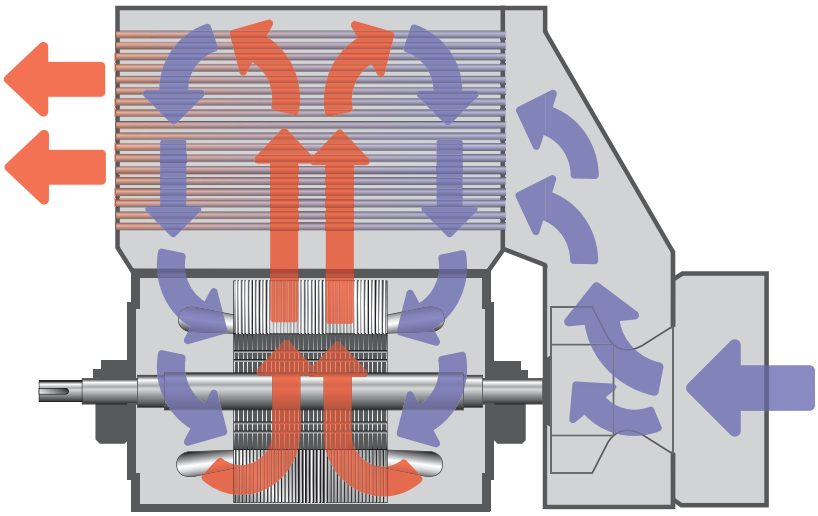


Advanced copper cage rotor construction provides higher power density.

# Cooling & Power Range



Totally Enclosed Water-to-Air Cooled
TEWAC / CACW



Totally Enclosed Air-to-Air Cooled
TEAAC / CACA

## Power Ranges (kW)

| 4 Pole | | Voltage (kV) | | | | | |
|---|---|---|---|---|---|---|---|
| | | 3.3 | 6.6 | 11 | 3.3 | 6.6 | 11 |
| Frame | C.L. | Power in kW IC81W Water Cooler (CACW) | | | Power in kW IC 611 [630 & 710 frame] / IC 616 [800 & 900 frame] Air Cooler (CACA) | | |
| 630 | S | 6500 | 6350 | 5500 | 5600 | 5200 | 4600 |
| | M | 6950 | 6900 | 6000 | 6100 | 5950 | 5200 |
| | L | 8000 | 7700 | 6700 | 7000 | 6500 | 5800 |
| 710 | S | 9000 | 9000 | 7300 | 7800 | 7900 | 6400 |
| | M | 10000 | 10000 | 8200 | 8700 | 8700 | 7300 |
| | L | 11700 | 11600 | 9100 | 9900 | 9700 | 7900 |
| | L | - | - | 10000 | - | - | 8500 |
| 800 | S | - | 13000 | 11500 | - | 12200 | 11000 |
| | M | - | 14000 | 12500 | - | 13200 | 12000 |
| | L | - | 16000 | 14200 | - | 15000 | 13300 |
| 900 | S | - | 16500 | 15000 | - | 15400 | 14500 |
| | M | - | 17000 | 16200 | - | 15800 | 15400 |
| | L | - | 18500 | 18000 | - | 17800 | 17000 |

# Model Nomenclature

## Standardized designations for faster project proposals.

These common attributes will set you on an immediate path for streamlining a proposal for you or your customer.

| N37 | H | X | N | 630 | L | 4 | C |
|---|---|---|---|---|---|---|---|

**Series Name**

**Protection & Cooling**

| | |
|---|---|
| R | Totally Enclosed Air-to-Air Cooled (TEAAC) |
| H | Totally Enclosed Water-to-Air Cooled (TEWAC) |

**Voltage**

| | |
|---|---|
| X | 1,000 - 9,999V |
| Y | 10,000 - 13,500V |
| Z | > 13,500V |

**Special Protection**

| | |
|---|---|
| P | Pressurized |
| E | Increased Safety |
| N | Non-Sparking |
| (Blank) | Safe |

**Frame Size** (Shaft Height mm)

**Magnetic Circuit Length**

| | |
|---|---|
| L | Large |
| M | Medium |
| S | Short |
| N | Custom |

**Number of Poles**

**Bearing Type**

| | |
|---|---|
| C | Slip Sleeve, Oil Lubricated |

# Performance Data - TEWAC

Quick selection with catalogue product.

| Designation | Catalog | Output Rating (kW) | FL Speed (rpm) | Efficiency (%) Load | | | Power Factor (p.u.) (%) Load | | | FL Current (A) | $I_d / I_n$ | Tn (Nm) | Ta / Tn | Tmax / Tn | Rotor Inertia ($kgM^2$) | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 100% | 75% | 50% | 100% | 75% | 50% | | | | | | | |
| IP55, IC 81W, 4 Pole, 3300V, 50 HZ, 1500 RPM (4) | | | | | | | | | | | | | | | | |
| N37HX630S4C | SP2515001 | 6500 | 1487 | 97.20 | 97.40 | 97.20 | 0.89 | 0.87 | 0.80 | 1315 | 6.0 | 41742.05 | 0.60 | 2.50 | 154 | 11500 |
| N37HX630M4C | SP2515002 | 6950 | 1488 | 97.30 | 97.50 | 97.40 | 0.90 | 0.89 | 0.84 | 1389 | 5.7 | 44601.89 | 0.60 | 2.30 | 169 | 12000 |
| N37HX630L4C | SP2515003 | 8000 | 1489 | 97.40 | 97.60 | 97.40 | 0.89 | 0.87 | 0.80 | 1615 | 6.0 | 51305.82 | 0.60 | 2.50 | 187 | 12650 |
| N37HX710S4C | UP2515004 | 9000 | 1489 | 97.30 | 97.40 | 97.20 | 0.90 | 0.88 | 0.82 | 1798 | 6.0 | 57719.05 | 0.60 | 2.50 | 271 | 16700 |
| N37HX710M4C | UP2515005 | 10000 | 1488 | 97.40 | 97.60 | 97.50 | 0.90 | 0.90 | 0.86 | 1996 | 5.2 | 64175.38 | 0.50 | 2.00 | 302 | 17600 |
| N37HX710L4C | UP2515006 | 11700 | 1488 | 97.50 | 97.60 | 97.40 | 0.90 | 0.88 | 0.82 | 2333 | 6.0 | 75085.19 | 0.60 | 2.50 | 328 | 18400 |
| IP55, IC 81W, 4 Pole, 6600V, 50 HZ, 1500 RPM (4) | | | | | | | | | | | | | | | | |
| N37HX630S4C | SR2515007 | 6350 | 1486 | 97.10 | 97.30 | 97.20 | 0.90 | 0.88 | 0.84 | 636 | 5.2 | 40806.21 | 0.50 | 2.10 | 155 | 11550 |
| N37HX630M4C | SR2515008 | 6900 | 1487 | 97.20 | 97.40 | 97.30 | 0.90 | 0.89 | 0.85 | 690 | 5.3 | 44310.79 | 0.50 | 2.10 | 169 | 12000 |
| N37HX630L4C | SR2515009 | 7700 | 1488 | 97.40 | 97.50 | 97.40 | 0.90 | 0.89 | 0.83 | 768 | 5.6 | 49415.04 | 0.50 | 2.20 | 190 | 12600 |
| N37HX710S4C | UR2515010 | 9000 | 1489 | 97.30 | 97.40 | 97.20 | 0.90 | 0.88 | 0.82 | 899 | 6.0 | 57719.05 | 0.60 | 2.50 | 270 | 16600 |
| N37HX710M4C | UR2515011 | 10000 | 1489 | 97.40 | 97.50 | 97.30 | 0.90 | 0.88 | 0.82 | 998 | 6.0 | 64132.28 | 0.60 | 2.50 | 299 | 17400 |
| N37HX710L4C | UR2515012 | 11600 | 1489 | 97.50 | 97.60 | 97.40 | 0.90 | 0.88 | 0.82 | 1156 | 6.0 | 74393.45 | 0.60 | 2.50 | 326 | 18300 |
| N37HX800S4C | ER2515013 | 13000 | 1490 | 97.50 | 97.60 | 97.40 | 0.91 | 0.90 | 0.86 | 1282 | 5.6 | 83316.01 | 0.50 | 2.20 | 487 | 23700 |
| N37HX800M4C | ER2515014 | 14000 | 1489 | 97.50 | 97.70 | 97.60 | 0.91 | 0.91 | 0.89 | 1380 | 5.0 | 89785.19 | 0.40 | 2.10 | 515 | 24700 |
| N37HX800L4C | ER2515015 | 16000 | 1491 | 97.65 | 97.80 | 97.65 | 0.90 | 0.90 | 0.85 | 1593 | 5.6 | 102474.01 | 0.50 | 2.20 | 558 | 25600 |
| N37HX900S4C | NR2515016 | 16500 | 1492 | 97.70 | 97.75 | 97.55 | 0.90 | 0.90 | 0.86 | 1642 | 6.0 | 105605.49 | 0.45 | 2.40 | 805 | 30300 |
| N37HX900M4C | NR2515017 | 17000 | 1492 | 97.65 | 97.75 | 97.60 | 0.91 | 0.91 | 0.88 | 1674 | 5.8 | 108805.66 | 0.45 | 2.40 | 840 | 30900 |
| N37HX900L4C | NR2515018 | 18500 | 1493 | 97.75 | 97.80 | 97.50 | 0.91 | 0.89 | 0.85 | 1819 | 6.0 | 118326.85 | 0.45 | 2.50 | 898 | 32100 |
| IP55, IC 81W, 4 Pole, 11000V, 50 HZ, 1500 RPM (4) | | | | | | | | | | | | | | | | |
| N37HY630S4C | SS2515019 | 5500 | 1487 | 96.90 | 97.10 | 96.90 | 0.90 | 0.89 | 0.84 | 331 | 5.2 | 35320.20 | 0.50 | 2.00 | 155 | 11400 |
| N37HY630M4C | SS2515020 | 6000 | 1488 | 97.10 | 97.30 | 97.10 | 0.90 | 0.89 | 0.85 | 360 | 5.5 | 38505.23 | 0.50 | 2.20 | 169 | 11900 |
| N37HY630L4C | SS2515021 | 6700 | 1489 | 97.20 | 97.20 | 97.00 | 0.90 | 0.88 | 0.82 | 402 | 6.0 | 42968.63 | 0.60 | 2.40 | 187 | 12450 |
| N37HY710S4C | US2515022 | 7300 | 1489 | 97.10 | 97.20 | 96.90 | 0.90 | 0.88 | 0.82 | 438 | 6.0 | 46816.56 | 0.60 | 2.50 | 263 | 16400 |
| N37HY710M4C | US2515023 | 8200 | 1489 | 97.20 | 97.30 | 97.00 | 0.90 | 0.88 | 0.83 | 492 | 6.0 | 52588.47 | 0.60 | 2.30 | 290 | 17200 |
| N37HY710L4C | US2515024 | 9100 | 1489 | 97.20 | 97.30 | 97.10 | 0.90 | 0.89 | 0.84 | 546 | 6.0 | 58360.38 | 0.60 | 2.30 | 318 | 18000 |
| N37HY710L4C | US2515025 | 10000 | 1488 | 97.30 | 97.40 | 97.20 | 0.90 | 0.89 | 0.85 | 599 | 5.7 | 64175.38 | 0.50 | 2.20 | 323 | 18100 |
| N37HY800S4C | ES2515026 | 11500 | 1489 | 97.30 | 97.40 | 97.30 | 0.91 | 0.91 | 0.87 | 682 | 5.7 | 73752.12 | 0.45 | 2.30 | 481 | 23700 |
| N37HY800M4C | ES2515027 | 12500 | 1490 | 97.35 | 97.50 | 97.30 | 0.90 | 0.89 | 0.85 | 749 | 5.7 | 80111.55 | 0.45 | 2.30 | 496 | 24200 |
| N37HY800L4C | ES2515028 | 14200 | 1490 | 97.45 | 97.60 | 97.40 | 0.91 | 0.90 | 0.86 | 840 | 6.0 | 91006.72 | 0.50 | 2.40 | 545 | 25200 |
| N37HY900S4C | NS2515029 | 15000 | 1489 | 97.50 | 97.60 | 97.30 | 0.92 | 0.91 | 0.87 | 878 | 6.0 | 96198.42 | 0.45 | 2.50 | 789 | 30100 |
| N37HY900M4C | NS2515030 | 16200 | 1489 | 97.50 | 97.60 | 97.40 | 0.92 | 0.91 | 0.88 | 948 | 5.9 | 103894.29 | 0.45 | 2.45 | 821 | 30700 |
| N37HY900L4C | NS2515031 | 18000 | 1489 | 97.60 | 97.70 | 97.50 | 0.92 | 0.92 | 0.88 | 1052 | 6.0 | 115438.11 | 0.45 | 2.50 | 889 | 31900 |

All Catalogue values are subjected to IEC tolerance except starting current.

# Performance Data - TEAAC

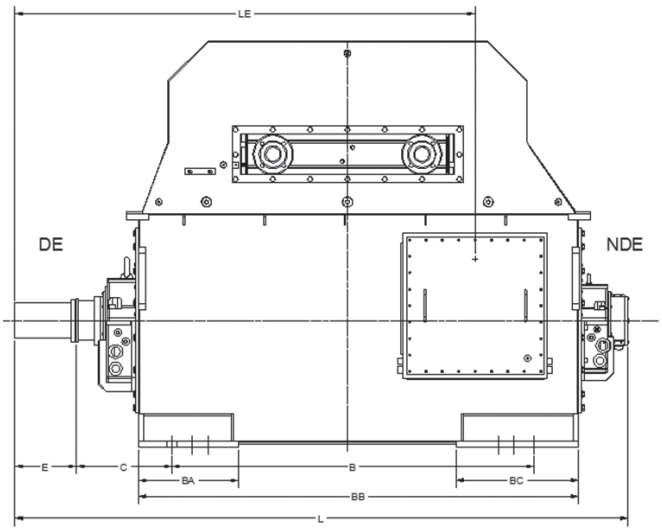
Quick selection with catalogue product.

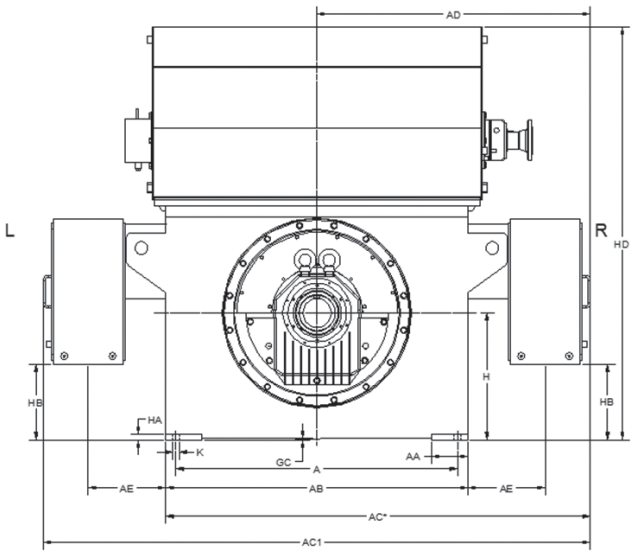
| Designation | Catalog | Output Rating (kW) | FL Speed (rpm) | Efficiency (%) Load | | | Power Factor (p.u.) (%) Load | | | FL Current (A) | $I_a / I_n$ | Tn (Nm) | Ta / Tn | Tmax / Tn | Rotor Inertia ($kgM^2$) | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 100% | 75% | 50% | 100% | 75% | 50% | | | | | | | |
| IP55, IC 611, 4 Pole, 3300V, 50 HZ, 1500 RPM (4), Shaft Fan | | | | | | | | | | | | | | | | |
| N37RX630S4C | SP2515032 | 5600 | 1489 | 96.80 | 96.70 | 96.10 | 0.88 | 0.85 | 0.76 | 1150 | 6.7 | 35914.08 | 0.60 | 2.50 | 154 | 12800 |
| N37RX630M4C | SP2515033 | 6100 | 1489 | 96.90 | 96.90 | 96.40 | 0.90 | 0.88 | 0.82 | 1224 | 6.1 | 39120.69 | 0.60 | 2.40 | 169 | 13300 |
| N37RX630L4C | SP2515034 | 7000 | 1491 | 97.10 | 97.10 | 96.50 | 0.88 | 0.85 | 0.78 | 1433 | 6.7 | 44832.38 | 0.60 | 2.50 | 187 | 13900 |
| N37RX710S4C | UP2515035 | 7800 | 1490 | 96.80 | 96.70 | 96.00 | 0.89 | 0.86 | 0.79 | 1584 | 6.4 | 49989.61 | 0.60 | 2.50 | 271 | 18100 |
| N37RX710M4C | UP2515036 | 8700 | 1490 | 97.00 | 96.90 | 96.40 | 0.91 | 0.89 | 0.85 | 1724 | 6.0 | 55757.64 | 0.60 | 2.20 | 302 | 19000 |
| N37RX710L4C | UP2515037 | 9900 | 1491 | 97.10 | 97.00 | 96.40 | 0.89 | 0.86 | 0.78 | 2004 | 6.8 | 63405.79 | 0.60 | 2.50 | 328 | 19800 |
| IP55, IC 611, 4 Pole, 6600V, 50 HZ, 1500 RPM (4), Shaft Fan | | | | | | | | | | | | | | | | |
| N37RX630S4C | SR2515038 | 5200 | 1489 | 96.70 | 96.60 | 96.00 | 0.89 | 0.87 | 0.80 | 529 | 6.0 | 33348.79 | 0.60 | 2.40 | 155 | 12800 |
| N37RX630M4C | SR2515039 | 5950 | 1489 | 96.80 | 96.80 | 96.30 | 0.90 | 0.88 | 0.82 | 597 | 6.0 | 38158.71 | 0.60 | 2.40 | 169 | 13200 |
| N37RX630L4C | SR2515040 | 6500 | 1491 | 97.00 | 96.95 | 96.40 | 0.89 | 0.87 | 0.80 | 659 | 6.2 | 41630.07 | 0.60 | 2.50 | 190 | 13900 |
| N37RX710S4C | UR2515041 | 7900 | 1490 | 96.80 | 96.70 | 96.10 | 0.89 | 0.86 | 0.79 | 802 | 6.3 | 50630.50 | 0.60 | 2.50 | 271 | 18000 |
| N37RX710M4C | UR2515042 | 8700 | 1490 | 96.90 | 96.80 | 96.20 | 0.89 | 0.87 | 0.79 | 882 | 6.6 | 55757.64 | 0.60 | 2.50 | 299 | 18800 |
| N37RX710L4C | UR2515043 | 9700 | 1491 | 97.10 | 97.00 | 96.30 | 0.89 | 0.86 | 0.78 | 982 | 6.9 | 62124.87 | 0.60 | 2.50 | 326 | 19700 |
| IP55, IC 611, 4 Pole, 11000V, 50 HZ, 1500 RPM (4), Shaft Fan | | | | | | | | | | | | | | | | |
| N37RX800S4C | ER2515044 | 4600 | 1489 | 96.50 | 96.40 | 95.70 | 0.90 | 0.88 | 0.82 | 278 | 6.0 | 29500.85 | 0.60 | 2.40 | 155 | 12700 |
| N37RX800M4C | ER2515045 | 5200 | 1490 | 96.60 | 96.60 | 95.90 | 0.90 | 0.88 | 0.82 | 314 | 6.0 | 33326.40 | 0.60 | 2.40 | 169 | 13200 |
| N37RX800L4C | ER2515046 | 5800 | 1491 | 96.80 | 96.60 | 96.00 | 0.89 | 0.86 | 0.78 | 354 | 6.7 | 37146.83 | 0.60 | 2.50 | 185 | 13700 |
| N37RX900S4C | NR2515047 | 6400 | 1491 | 96.50 | 96.30 | 95.50 | 0.89 | 0.86 | 0.79 | 391 | 6.7 | 40989.60 | 0.60 | 2.50 | 263 | 17800 |
| N37RX900M4C | NR2515048 | 7300 | 1490 | 96.60 | 96.50 | 95.80 | 0.90 | 0.87 | 0.81 | 441 | 6.4 | 46785.14 | 0.60 | 2.50 | 290 | 18600 |
| N37RX900L4C | NR2515049 | 7900 | 1491 | 96.70 | 96.60 | 95.90 | 0.90 | 0.88 | 0.82 | 476 | 6.6 | 50596.54 | 0.60 | 2.50 | 318 | 19400 |
| N37RY630S4C | SS2515050 | 8500 | 1490 | 96.80 | 96.70 | 96.10 | 0.90 | 0.88 | 0.82 | 512 | 6.3 | 54475.85 | 0.60 | 2.50 | 323 | 19500 |
| IP55, IC 616, 4 Pole, 6600V, 50 HZ, 1500 RPM (4), Motor Fan | | | | | | | | | | | | | | | | |
| N37MY630M4C | SS2515051 | 12200 | 1491 | 96.90 | 96.80 | 96.20 | 0.91 | 0.90 | 0.86 | 1210 | 5.9 | 78136.43 | 0.40 | 2.20 | 485 | 27100 |
| N37MY630L4C | SS2515052 | 13200 | 1489 | 96.95 | 96.90 | 96.50 | 0.92 | 0.91 | 0.88 | 1295 | 5.5 | 84654.61 | 0.45 | 2.20 | 516 | 28000 |
| N37MY710S4C | US2515053 | 15000 | 1492 | 97.20 | 97.10 | 96.60 | 0.90 | 0.89 | 0.85 | 1500 | 6.0 | 96004.99 | 0.50 | 2.20 | 558 | 28900 |
| N37MY710M4C | US2515054 | 15400 | 1493 | 97.10 | 97.00 | 96.30 | 0.91 | 0.90 | 0.85 | 1525 | 6.3 | 98499.11 | 0.40 | 2.40 | 805 | 34200 |
| N37MY710L4C | US2515055 | 15800 | 1493 | 97.10 | 97.00 | 96.40 | 0.91 | 0.91 | 0.88 | 1564 | 6.0 | 101057.53 | 0.40 | 2.40 | 840 | 34800 |
| N37MY710L4C | US2515056 | 17800 | 1493 | 97.30 | 97.20 | 96.50 | 0.90 | 0.89 | 0.84 | 1778 | 6.3 | 113849.62 | 0.40 | 2.50 | 898 | 36000 |
| IP55, IC 616, 4 Pole, 11000V, 50 HZ, 1500 RPM (4), Motor Fan | | | | | | | | | | | | | | | | |
| N37MY800S4C | ES2515057 | 11000 | 1490 | 96.70 | 96.60 | 96.00 | 0.92 | 0.91 | 0.87 | 649 | 6.0 | 70498.16 | 0.40 | 2.30 | 481 | 27000 |
| N37MY800M4C | ES2515058 | 12000 | 1491 | 96.80 | 96.70 | 96.10 | 0.90 | 0.89 | 0.85 | 723 | 6.0 | 76855.51 | 0.50 | 2.20 | 496 | 27500 |
| N37MY800L4C | ES2515059 | 13300 | 1491 | 96.90 | 96.80 | 96.30 | 0.91 | 0.90 | 0.85 | 792 | 6.1 | 85181.52 | 0.40 | 2.50 | 545 | 28500 |
| N37MY900S4C | NS2515060 | 14500 | 1492 | 96.90 | 96.70 | 96.10 | 0.92 | 0.91 | 0.86 | 854 | 6.1 | 92804.83 | 0.40 | 2.50 | 789 | 34000 |
| N37MY900M4C | NS2515061 | 15400 | 1491 | 96.90 | 96.80 | 96.20 | 0.92 | 0.92 | 0.88 | 907 | 6.0 | 98631.23 | 0.40 | 2.40 | 821 | 34600 |
| N37MY900L4C | NS2515062 | 17000 | 1492 | 97.10 | 97.00 | 96.40 | 0.92 | 0.91 | 0.87 | 999 | 6.3 | 108805.66 | 0.40 | 2.50 | 889 | 35800 |

All Catalogue values are subjected to IEC tolerance except starting current.

# Dimensions

## TEWAC – 630 to 900 Frames – All Voltages
## IC81W

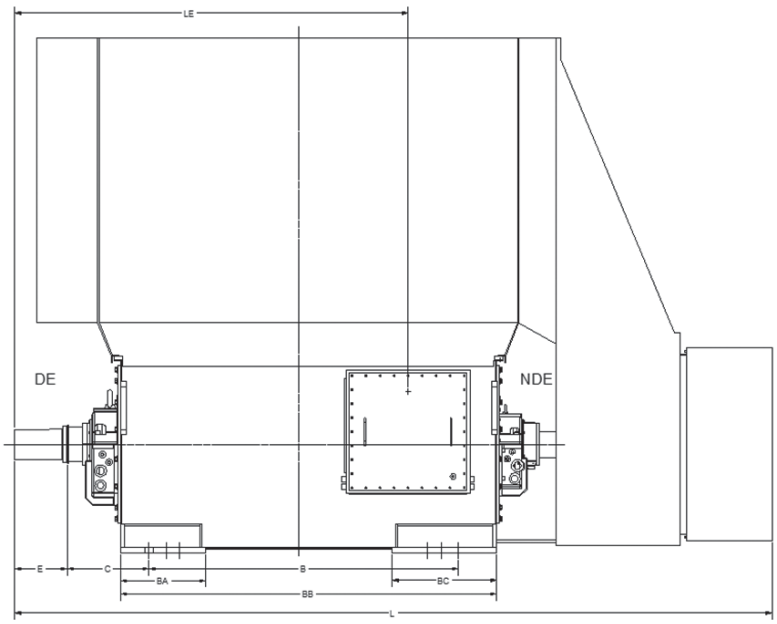


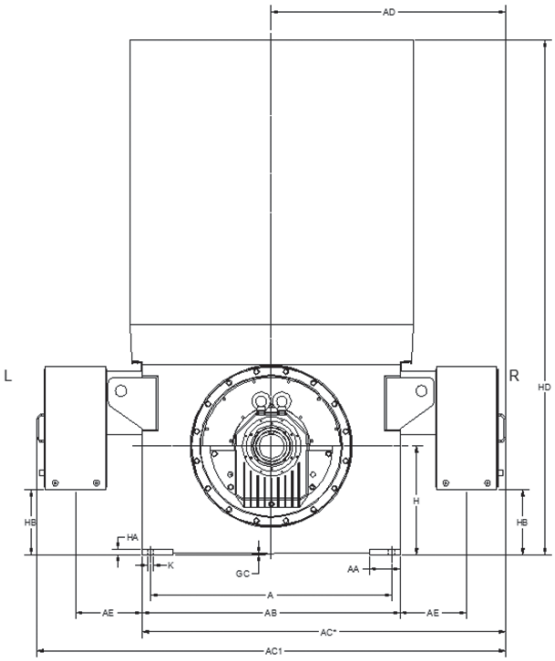




| Frame | Cooling | Poles | A | AA | AB | GC | H | HA | HD | HB | AC | DE Bearing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 630 | TEWAC | 4 | 1400 | 180 | 1500 | 5 | 630 | 30 | 2050 | 375 | 2720 | EMZLB18-200 |
| 710 | TEWAC | 4 | 1600 | 200 | 1700 | 5 | 710 | 40 | 2115 | 456 | 2920 | EMZLB18-225 |
| 800 | TEWAC | 4 | 1800 | 200 | 1900 | 10 | 800 | 40 | 2285 | 420 | 3120 | EMZLB22-225 |
| 900 | TEWAC | 4 | 2000 | 220 | 2120 | 10 | 900 | 60 | 2530 | 520 | 3340 | EMZLB22-300 |
| **Frame** | **Cooling** | **Poles** | **B** | **BA** | **BC** | **BB** | **E** | **C** | **L** | **LE** | **AD** | **NDE Bearing** |
| 630 | TEWAC | 4 | 1800 | 496 | 608.5 | 2185 | 350 | 475 | 3045 | 2290 | 1360 | EMZLQ14-160 |
| 710 | TEWAC | 4 | 1800 | 498 | 595 | 2300 | 410 | 450 | 3300 | 2500 | 1460 | EMZLQ18-200 |
| 800 | TEWAC | 4 | 2000 | 516 | 550 | 2430 | 410 | 500 | 3450 | 2535 | 1560 | EMZLQ18-200 |
| 900 | TEWAC | 4 | 2000 | 565 | 640 | 2650 | 465 | 560 | 3870 | 2730 | 1670 | EMZLB22-300 |
| **Frame** | **Cooling** | **Poles** | **DB** | **DC** | **GD** | **GA** | **D** | **G** | **F** | **AE** | **GE** | **K** |
| 630 | TEWAC | 4 | 24 | 82 | 28 | 235 | 230 | 213 | 50 | 385 | 17 | 42 |
| 710 | TEWAC | 4 | 30 | 89 | 32 | 272 | 260 | 240 | 63 | 375 | 20 | 42 |
| 800 | TEWAC | 4 | 30 | 89 | 32 | 272 | 260 | 240 | 63 | 375 | 20 | 42 |
| 900 | TEWAC | 4 | 30 | 89 | 36 | 314 | 300 | 278 | 70 | 385 | 22 | 48 |

# Dimensions

TEAAC – 630 and 700 Frames – All Voltages
IC611

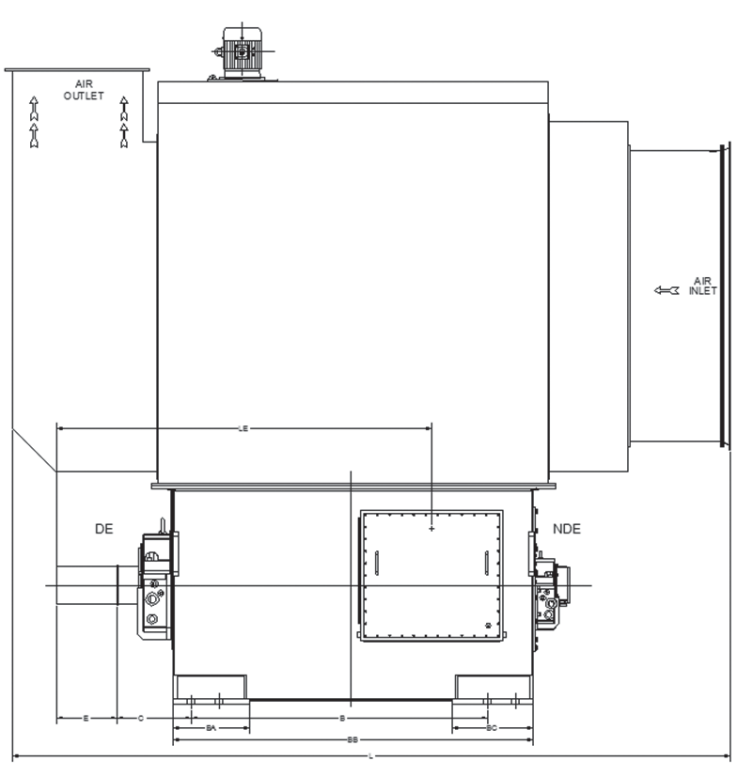


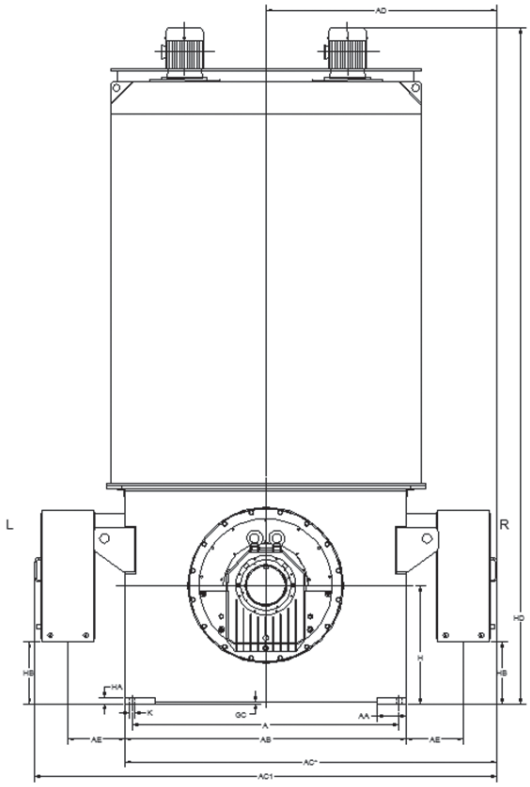




| Frame | Cooling | Poles | A | AA | AB | GC | H | HA | HD | HB | AC | DE Bearing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 630 | TEAAC | 4 | 1400 | 180 | 1500 | 5 | 630 | 30 | 2990 | 375 | 2720 | EMZLB18-200 |
| 710 | TEAAC | 4 | 1600 | 200 | 1700 | 5 | 710 | 40 | 2965 | 456 | 2920 | EMZLB18-225 |
| **Frame** | **Cooling** | **Poles** | **B** | **BA** | **BC** | **BB** | **E** | **C** | **L** | **LE** | **AD** | **NDE Bearing** |
| 630 | TEAAC | 4 | 1800 | 496 | 608.5 | 2185 | 350 | 475 | 4400 | 2290 | 1360 | EMZLQ14-160 |
| 710 | TEAAC | 4 | 1800 | 498 | 595 | 2300 | 410 | 450 | 4610 | 2500 | 1460 | EMZLQ18-200 |
| **Frame** | **Cooling** | **Poles** | **DB** | **DC** | **GD** | **GA** | **D** | **G** | **F** | **AE** | **GE** | **K** |
| 630 | TEAAC | 4 | 24 | 82 | 28 | 235 | 230 | 213 | 50 | 385 | 17 | 42 |
| 710 | TEAAC | 4 | 30 | 89 | 32 | 272 | 260 | 240 | 63 | 375 | 20 | 42 |

# Dimensions

## TEAAC – 800 and 900 Frames – All Voltages
## IC616




| Frame | Cooling | Poles | A | AA | AB | GC | H | HA | HD | HB | AC | DE Bearing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 800 | TEAAC | 4 | 1800 | 200 | 1900 | 10 | 800 | 40 | 5345 | 420 | 3120 | EMZLB22-225 |
| 900 | TEAAC | 4 | 2000 | 220 | 2120 | 10 | 900 | 60 | 5630 | 520 | 3340 | EMZLB22-300 |
| **Frame** | **Cooling** | **Poles** | **B** | **BA** | **BC** | **BB** | **E** | **C** | **L** | **LE** | **AD** | **NDE Bearing** |
| 800 | TEAAC | 4 | 2000 | 516 | 550 | 2430 | 410 | 500 | 4900 | 2535 | 1560 | EMZLQ18-200 |
| 900 | TEAAC | 4 | 2000 | 565 | 640 | 2650 | 465 | 560 | 5150 | 2730 | 1670 | EMZLQ22-300 |
| **Frame** | **Cooling** | **Poles** | **DB** | **DC** | **GD** | **GA** | **D** | **G** | **F** | **AE** | **GE** | **K** |
| 800 | TEAAC | 4 | 30 | 89 | 32 | 272 | 260 | 240 | 63 | 375 | 20 | 42 |
| 900 | TEAAC | 4 | 30 | 89 | 36 | 314 | 300 | 278 | 70 | 385 | 22 | 48 |

# Global Services


## Global manufacturing capability

GE has global manufacturing capability to meet local content requirement and help to reduce lead time and cost. GE's manufacturing locations across the globe provide capacity to address the growing demand for high voltage motors.

## Reducing risk, enhancing productivity

GE is a strong global partner, operating in 170 countries with 130 years of experience in energy infrastructure projects.

Power Conversion services include all support for utilities and operators to protect assets, keep critical processes running, to help decreasing risk and enhancing productivity.

We deliver original equipment spares around the world as well as repair, refurbish and upgrade customer systems with the latest technology. We offer risk protection through performance-based contracts based on system experience and sophisticated application calculations.

Through advanced digital platforms, we can deliver expert onsite and remote emergency 24/7 support, interventions and planned maintenance customized to meet unique requirements around the globe.

# Standard Accessories

- 2 RTD 's per phase in stator [Simplex]
- 1 Double RTD per bearing
- Water Leakage detector (for CACW cooler]
- Auxiliaries box steel [ IP 56 ] [Right side to DE]
  One for RTD & one for Space heater.
- Space heater
- Oil Pipes inlet position – Default Right side from DE [both side provision] – ANSI standard
- Water pipe & cooler position with respect to water inlet - Right side from NDE
- Un-drilled gland plates
- Fixation Kits [Bolt & Shims]
- Orifice plate at oil inlet.

Accessories are for safe area. Additional accessories for Exp are also available upon request.

## Main Offices

| | |
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| **Canada,** Mississauga | + 1 905 858 5100 |
| **Chile**, Santiago | + 56 2 652 6500 |
| **China,** Shanghai | +86 21 6414 6080 |
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| **India**, Chennai | +91 44 4968 0000 |
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