



# MAGNAMAX<sup>®</sup> DVR

## Generator Ratings:

kW 118 – 2370 (60 Hz)

kVA 136 – 2400 (50 Hz)



**MARATHON ELECTRIC**  
GENERATORS

ISO 9001:2000 Certified

# Product Features

**Permanent Magnet Generator . . .** ensures 300% short circuit current during fault conditions and provides the regulator with input power isolated from load distortions.

**Unirotor Construction . . .** incorporates single piece rotor laminations, a die cast rotor core and amortisseur windings into an integrated rotor assembly. The field winding is wet layer wound to the rotor assembly with thermo setting epoxy for high mechanical and electrical integrity.

**Digital Voltage Regulator . . .** is encapsulated for reliable performance in all environments. The DVR@2000E includes voltage regulation to .25%, three phase RMS sensing, adjustable volts/hertz underspeed protection, advanced engine unloading algorithms, integrated paralleling capabilities, and over-excitation /over-voltage protection. A VAR-PF controller is available as an optional feature.

**Large Conduit Box . . .** provides ample space for easy connections and allows load line access from all sides, top, or bottom.

**Exciter and PMG Mounting . . .** provides easy access and serviceability. The PMG is mounted external to the generator bearing. The exciter is externally mounted on 570 and 740 frame generators.

**Class H Insulation System . . .** utilizes an unsaturated polyester varnish for optimal insulation life and superior moisture protection.

A tropical insulation is added for increased environmental protection. A vacuum pressure impregnated insulation system is an available option.

**Shielded Heavy-Duty Bearings . . .** resist contamination and give a minimum B-10 life of 40,000 hours. Regreasing provisions are available on all generators.

**Enhanced Ventilation . . .** created by a high efficiency fan and optimized internal air flow patterns, maximizes heat transfer and minimizes hot spot differentials for extended winding life.

**Fully Guarded . . .** for operator safety and generator protection, no rotating or electrically energized parts are exposed. All openings are covered by louvers or screens.

**Optimized Windings . . .** provide low reactances and exceptional motor starting capability. The stator windings utilize a 2/3 pitch to minimize harmonic distortion and facilitate parallel operation.

**Design Specs and Agency Approvals . . .** are important at Marathon. All **MAGNAMAX<sup>DVR</sup>** units meet NEMA MG1-22, BS5000, CSA C22.2, IEC 34-1 and VDE 0530 requirements. Marine versions are available to meet American Bureau of Shipping, Lloyds, Det Norske Veritas, or Nippon Kaiji Kyokai requirements.

# Innovation Performance Reliability



## Unirotor Construction

- Single Piece Rotor Laminations
- Aluminum Die Cast Rotor Core



## DVR2000E

- Patented PMG Powered
- Digital Voltage Regulator

Since its market introduction, Marathon Electric's **MAGNAMAX<sup>DVR</sup><sup>®</sup>** has been a technology leader and proven performer. The **MAGNAMAX<sup>DVR</sup><sup>®</sup>** generator line offers as standard a permanent magnet generator excitation system, exceptional transient performance and strong motor starting capability, and utilizes the industry's first digital voltage regulator.

Each **MAGNAMAX<sup>DVR</sup><sup>®</sup>** features the exclusive DVR2000E digital voltage regulator providing .25% regulation and three phase RMS sensing.

These outstanding features make **MAGNAMAX<sup>DVR</sup><sup>®</sup>** the ideal generator for voltage critical applications such as:

- Telecomm Networks
- Commercial Buildings
- Hospitals
- Computer Centers
- Airports
- Distributed Power

**MAGNAMAX<sup>DVR</sup><sup>®</sup>** meets the demands of today's changing market:

- Supporting non-linear loads (UPS systems and variable frequency drives)
- Providing unprecedented voltage regulation in the presence of harmonic distortion caused by non-linear loads
- Easy access and serviceability
- Providing low reactance design which minimizes the harmonic voltage distortion caused by non-linear loads
- Constructed for extended life
- Reliable performance

**60  
Hertz**

**4-Pole,  
Three Phase**

**240Y or 480Y Volts  
(10-12 Leads)  
480Y Volts (4-6 Leads)**

1800 RPM  
NEMA Class H Insulation  
40°C Ambient  
0.8 Power Factor Lagging  
DVR®2000E AVR with  
PMG Excitation

**MAGNAMAX<sup>DVR</sup>**

| Base Model              | Net Wt. (lbs.) | No. of Leads | Voltage   | kW Rating @ Designated NEMA Rise |                     |                     |                     |                     |
|-------------------------|----------------|--------------|-----------|----------------------------------|---------------------|---------------------|---------------------|---------------------|
|                         |                |              |           | Continuous                       |                     |                     | Standby             |                     |
|                         |                |              |           | NEMA B<br>80°C R/R               | NEMA F<br>105°C R/R | NEMA H<br>125°C R/R | NEMA F<br>130°C R/R | NEMA H<br>150°C R/R |
| 431RSL4005              | 1280           | 12           | 240Y/480Y | 126                              | 145                 | 154                 | 155                 | 160                 |
| 431RSL4007              | 1370           | 12           | 240Y/480Y | 140                              | 165                 | 175                 | 175                 | 185                 |
| 432RSL4009              | 1550           | 12           | 240Y/480Y | 172                              | 203                 | 215                 | 215                 | 226                 |
| 432RSL4011              | 1570           | 12           | 240Y/480Y | 192                              | 221                 | 231                 | 231                 | 250                 |
| 432RSL4013              | 1600           | 12           | 240Y/480Y | 200                              | 235                 | 250                 | 250                 | 263                 |
| 432RSL4015              | 1810           | 12           | 240Y/480Y | 230                              | 275                 | 285                 | 285                 | 300                 |
| 432RSL4017              | 1830           | 12           | 240Y/480Y | 230                              | 275                 | 292                 | 300                 | 310                 |
| 433RSL4019              | 2340           | 12           | 240Y/480Y | 305                              | 350                 | 375                 | 375                 | 415                 |
| 433RSL4021              | 2365           | 12           | 240Y/480Y | 330                              | 380                 | 405                 | 405                 | 440                 |
| 572RSL4024              | 2730           | 10           | 240Y/480Y | 380                              | 450                 | 475                 | 475                 | 505                 |
| 572RSL4025              | 2730           | 12           | 240Y/480Y | 380                              | 450                 | 475                 | 475                 | 505                 |
| 572RSL4027              | 2840           | 12           | 240Y/480Y | 440                              | 500                 | 515                 | 515                 | 560                 |
| 572RSL4028              | 3050           | 10           | 240Y/480Y | 445                              | 535                 | 560                 | 560                 | 610                 |
| 572RSL4029              | 3050           | 12           | 240Y/480Y | 445                              | 535                 | 560                 | 560                 | 610                 |
| 572RSL4030              | 3110           | 10           | 240Y/480Y | 485                              | 575                 | 600                 | 600                 | 645                 |
| 572RSL4031              | 3110           | 12           | 240Y/480Y | 485                              | 575                 | 600                 | 600                 | 645                 |
| 573RSL4032              | 3400           | 10           | 240Y/480Y | 570                              | 680                 | 700                 | 700                 | 765                 |
| 573RSL4033              | 3400           | 12           | 240Y/480Y | 570                              | 680                 | 700                 | 700                 | 765                 |
| 573RSL4034              | 3620           | 10           | 240Y/480Y | 585                              | 710                 | 750                 | 750                 | 810                 |
| 573RSL4035              | 3620           | 12           | 240Y/480Y | 585                              | 710                 | 750                 | 750                 | 810                 |
| 574RSL4036              | 4080           | 10           | 240Y/480Y | 670                              | 800                 | 825                 | 825                 | 900                 |
| 574RSL4037              | 4080           | 12           | 240Y/480Y | 670                              | 800                 | 825                 | 825                 | 900                 |
| 574RSL4038              | 4240           | 4            | 480Y Only | 720                              | 860                 | 915                 | 920                 | 970                 |
| 575RSL4044              | 5000           | 4 Bars       | 480Y Only | 800                              | 975                 | 1050                | 1060                | 1130                |
| 741RSL4045              | 5490           | 12           | 240Y/480Y | 865                              | 1030                | 1080                | 1100                | 1100                |
| 740RSL4046              | 5200           | 4 Bars       | 480Y Only | 950                              | 1120                | 1200                | 1220                | 1250                |
| 742RSL4048              | 6300           | 4 Bars       | 480Y Only | 1000                             | 1200                | 1260                | 1300                | 1300                |
| 742RSL4049              | 6300           | 12           | 240Y/480Y | 1000                             | 1200                | 1260                | 1300                | 1300                |
| 742RSL4050              | 7230           | 4 Bars       | 480Y Only | 1220                             | 1430                | 1500                | 1500                | 1520                |
| 743RSL4052              | 7800           | 4 Bars       | 480Y Only | 1310                             | 1600                | 1700                | 1750                | 1750                |
| 744RSL4054              | 8600           | 4 Bars       | 480Y Only | 1500                             | 1850                | 1960                | 2000                | 2000                |
| 744RSL4056              | 9740           | 4 Bars       | 480Y Only | 1700                             | 2010                | 2160                | 2210                | 2260                |
| 744RSL4058              | 9740           | 4 Bars       | 480Y Only | 1760                             | 2100                | 2270                | 2320                | 2370                |
| Form Wound Coil Designs |                |              |           |                                  |                     |                     |                     |                     |
| 744FSL4060              | 7300           | 4 Bars       | 480Y Only | 1200                             | 1430                | 1500                | 1500                | 1500                |
| 744FSL4062              | 8300           | 4 Bars       | 480Y Only | 1500                             | 1800                | 1900                | 1900                | 1900                |

**60**  
**Hertz**

**4-Pole,  
Three Phase**

**208Y or 416Y Volts (10-12 Leads)**  
**416Y Volts (4 Leads)**  
**240 or 120 Volts Delta (12 Leads)**

1800 RPM  
NEMA Class H Insulation  
40°C Ambient  
0.8 Power Factor Lagging  
DVR®2000E AVR with  
PMG Excitation

**MAGNAMAX<sup>DVR</sup>**

| Base Model              | Net Wt. (lbs.) | No. of Leads | Voltage   | kW Rating @ Designated NEMA Rise |                     |                     |                     |                     |
|-------------------------|----------------|--------------|-----------|----------------------------------|---------------------|---------------------|---------------------|---------------------|
|                         |                |              |           | Continuous                       |                     |                     | Standby             |                     |
|                         |                |              |           | NEMA B<br>80°C R/R               | NEMA F<br>105°C R/R | NEMA H<br>125°C R/R | NEMA F<br>130°C R/R | NEMA H<br>150°C R/R |
| 431RSL4005              | 1280           | 12           | 208Y/416Y | 118                              | 132                 | 138                 | 138                 | 138                 |
| 431RSL4007              | 1370           | 12           | 208Y/416Y | 132                              | 150                 | 160                 | 160                 | 168                 |
| 432RSL4009              | 1550           | 12           | 208Y/416Y | 166                              | 187                 | 200                 | 200                 | 200                 |
| 432RSL4011              | 1570           | 12           | 208Y/416Y | 183                              | 207                 | 219                 | 221                 | 221                 |
| 432RSL4013              | 1600           | 12           | 208Y/416Y | 193                              | 219                 | 231                 | 235                 | 250                 |
| 432RSL4015              | 1810           | 12           | 208Y/416Y | 232                              | 262                 | 262                 | 262                 | 262                 |
| 432RSL4017              | 1830           | 12           | 208Y/416Y | 238                              | 275                 | 287                 | 287                 | 310                 |
| 433RSL4019              | 2340           | 12           | 208Y/416Y | 290                              | 325                 | 350                 | 350                 | 360                 |
| 433RSL4021              | 2365           | 12           | 208Y/416Y | 315                              | 355                 | 375                 | 380                 | 400                 |
| 572RSL4024              | 2730           | 10           | 208Y/416Y | 385                              | 435                 | 440                 | 440                 | 450                 |
| 572RSL4025              | 2730           | 12           | 208Y/416Y | 385                              | 435                 | 440                 | 440                 | 450                 |
| 572RSL4027              | 2840           | 12           | 208Y/416Y | 400                              | 445                 | 470                 | 475                 | 505                 |
| 572RSL4028              | 3050           | 10           | 208Y/416Y | 450                              | 510                 | 525                 | 525                 | 535                 |
| 572RSL4029              | 3050           | 12           | 208Y/416Y | 450                              | 510                 | 525                 | 525                 | 535                 |
| 572RSL4030              | 3110           | 10           | 208Y/416Y | 460                              | 525                 | 555                 | 565                 | 600                 |
| 572RSL4031              | 3110           | 12           | 208Y/416Y | 460                              | 525                 | 555                 | 565                 | 600                 |
| 573RSL4032              | 3400           | 10           | 208Y/416Y | 570                              | 650                 | 685                 | 700                 | 725                 |
| 573RSL4033              | 3400           | 12           | 208Y/416Y | 570                              | 650                 | 685                 | 700                 | 725                 |
| 573RSL4034              | 3620           | 10           | 208Y/416Y | 590                              | 680                 | 720                 | 725                 | 725                 |
| 573RSL4035              | 3620           | 12           | 208Y/416Y | 590                              | 680                 | 720                 | 725                 | 725                 |
| 574RSL4036              | 4080           | 10           | 208Y/416Y | 630                              | 725                 | 770                 | 785                 | 825                 |
| 574RSL4037              | 4080           | 12           | 208Y/416Y | 630                              | 725                 | 770                 | 785                 | 825                 |
| 574RSL4038              | 4240           | 4            | 416Y Only | 675                              | 770                 | 820                 | 835                 | 885                 |
| 575RSL4044              | 5000           | 4 Bars       | 416Y Only | 760                              | 890                 | 950                 | 975                 | 1040                |
| 741RSL4045              | 5490           | 12           | 208Y/416Y | 810                              | 920                 | 970                 | 1000                | 1020                |
| 740RSL4046              | 5200           | 4 Bars       | 416Y Only | 880                              | 1020                | 1090                | 1110                | 1180                |
| 742RSL4048              | 6300           | 4 Bars       | 416Y Only | 950                              | 1100                | 1160                | 1180                | 1250                |
| 742RSL4049              | 6300           | 12           | 208Y/416Y | 950                              | 1100                | 1160                | 1180                | 1250                |
| 742RSL4050              | 7230           | 4 Bars       | 416Y Only | 1110                             | 1270                | 1340                | 1370                | 1410                |
| 743RSL4052              | 7800           | 4 Bars       | 416Y Only | 1400                             | 1610                | 1610                | 1610                | 1620                |
| 744RSL4054              | 8600           | 4 Bars       | 416Y Only | 1420                             | 1680                | 1800                | 1840                | 1840                |
| 744RSL4056              | 9740           | 4 Bars       | 416Y Only | 1520                             | 1780                | 1900                | 1950                | 2000                |
| 744RSL4058              | 9740           | 4 Bars       | 416Y Only | 1640                             | 1920                | 2050                | 2090                | 2240                |
| Form Wound Coil Designs |                |              |           |                                  |                     |                     |                     |                     |
| 744FSL4060              | 7300           | 4 Bars       | 416Y Only | 1190                             | 1380                | 1440                | 1440                | 1440                |
| 744FSL4062              | 8300           | 4 Bars       | 416Y Only | 1510                             | 1750                | 1830                | 1830                | 1830                |

**50  
Hertz**

**4-Pole,  
Three Phase**

1500 RPM  
NEMA Class H Insulation  
40°C Ambient  
0.8 Power Factor Lagging  
DVR®2000E AVR with PMG Excitation

**MAGNAMAX<sup>DVR</sup>**

| Base Model  | Net Wt. (lbs.) | No. of Leads | kVA Continuous Duty |           |                     |           | kVA Standby Duty    |           |                     |           |
|---|----------------|--------------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|
|   |                |              | NEMA F<br>105°C R/R |           | NEMA H<br>125°C R/R |           | NEMA F<br>130°C R/R |           | NEMA H<br>150°C R/R |           |
|   |                |              | 415Y/208Y           | 380Y/190Y | 415Y/208Y           | 380Y/190Y | 415Y/208Y           | 380Y/190Y | 415Y/208Y           | 380Y/190Y |
| 431RSL4005  | 1280           | 12           | 136                 | 141       | 145                 | 149       | 148                 | 150       | 151                 | 159       |
| 431RSL4007  | 1370           | 12           | 155                 | 159       | 164                 | 168       | 168                 | 170       | 173                 | 180       |
| 432RSL4009  | 1550           | 12           | 189                 | 208       | 203                 | 219       | 206                 | 223       | 214                 | 224       |
| 432RSL4011  | 1570           | 12           | 208                 | 218       | 221                 | 231       | 225                 | 235       | 234                 | 243       |
| 432RSL4013  | 1600           | 12           | 231                 | 233       | 244                 | 244       | 250                 | 250       | 255                 | 254       |
| 432RSL4015  | 1810           | 12           | 253                 | 276       | 275                 | 294       | 279                 | 300       | 290                 | 300       |
| 432RSL4017  | 1830           | 12           | 258                 | 281       | 278                 | 298       | 283                 | 303       | 294                 | 314       |
| 433RSL4019  | 2340           | 12           | 338                 | 356       | 363                 | 375       | 363                 | 375       | 394                 | 406       |
| 433RSL4021  | 2365           | 12           | 366                 | 369       | 394                 | 394       | 400                 | 400       | 413                 | 425       |
| 572RSL4024  | 2730           | 10           | 413                 | 469       | 444                 | 500       | 456                 | 500       | 475                 | 506       |
| 572RSL4025  | 2730           | 12           | 413                 | 469       | 444                 | 500       | 456                 | 500       | 475                 | 506       |
| 572RSL4027  | 2840           | 12           | 469                 | 475       | 500                 | 500       | 513                 | 513       | 531                 | 544       |
| 572RSL4028  | 3050           | 10           | 500                 | 550       | 531                 | 588       | 544                 | 594       | 563                 | 600       |
| 572RSL4029  | 3050           | 12           | 500                 | 550       | 531                 | 588       | 544                 | 594       | 563                 | 600       |
| 572RSL4030  | 3110           | 10           | 550                 | 563       | 581                 | 600       | 600                 | 613       | 625                 | 644       |
| 572RSL4031  | 3110           | 12           | 550                 | 563       | 581                 | 600       | 600                 | 613       | 625                 | 644       |
| 573RSL4032  | 3400           | 10           | 650                 | 700       | 700                 | 750       | 713                 | 756       | 738                 | 775       |
| 573RSL4033  | 3400           | 12           | 650                 | 700       | 700                 | 750       | 713                 | 756       | 738                 | 775       |
| 573RSL4034  | 3620           | 10           | 669                 | 738       | 713                 | 781       | 731                 | 800       | 756                 | 819       |
| 573RSL4035  | 3620           | 12           | 669                 | 738       | 713                 | 781       | 731                 | 800       | 756                 | 819       |
| 574RSL4036  | 4080           | 10           | 731                 | 769       | 788                 | 819       | 800                 | 831       | 838                 | 888       |
| 574RSL4037  | 4080           | 12           | 731                 | 769       | 788                 | 819       | 800                 | 831       | 838                 | 888       |
| 741RSL4045  | 5490           | 12           | 969                 | 1000      | 1038                | 1056      | 1038                | 1075      | 1106                | 1144      |
| 742RSL4049  | 6300           | 12           | 1131                | 1181      | 1219                | 1250      | 1219                | 1263      | 1300                | 1338      |
| Single Voltage 380Y - 415Y Only                           |                |              |                     |           |                     |           |                     |           |                     |           |
| 574RSL4038  | 4240           | 4            | 825                 | 831       | 888                 | 888       | 906                 | 900       | 938                 | 956       |
| 575RSL4044  | 5000           | 4 Bars       | 963                 | 963       | 1013                | 1031      | 1025                | 1056      | 1056                | 1138      |
| 740RSL4046  | 5200           | 4 Bars       | 1106                | 1125      | 1188                | 1200      | 1219                | 1219      | 1275                | 1300      |
| 742RSL4048  | 6300           | 4 Bars       | 1131                | 1181      | 1219                | 1250      | 1219                | 1263      | 1300                | 1338      |
| 742RSL4050  | 7230           | 4 Bars       | 1438                | 1363      | 1538                | 1463      | 1538                | 1500      | 1638                | 1563      |
| 743RSL4052  | 7800           | 4 Bars       | 1500                | 1650      | 1600                | 1775      | 1600                | 1775      | 1725                | 1850      |
| 744RSL4054  | 8600           | 4 Bars       | 1725                | 1750      | 1875                | 1875      | 1875                | 1913      | 2013                | 1988      |
| 744RSL4056  | 9740           | 4 Bars       | 1963                | 2063      | 2125                | 2200      | 2125                | 2200      | 2275                | 2400      |
| 744RSL4058  | 9740           | 4 Bars       | 2038                | 2013      | 2225                | 2150      | 2288                | 2188      | 2400                | 2337      |
| Form Wound Coil Designs - Single Voltage 380Y - 415Y Only |                |              |                     |           |                     |           |                     |           |                     |           |
| 744FSL4060  | 7300           | 4 Bars       | 1425                | 1450      | 1550                | 1563      | 1550                | 1563      | 1650                | 1650      |
| 744FSL4062  | 8300           | 4 Bars       | 1750                | 1725      | 1900                | 1875      | 1900                | 1875      | 2025                | 1963      |

MARATHON ELECTRIC  
GENERATORS

**60  
Hertz**

**4-Pole,  
Medium Voltage,  
Three Phase**

**4160Y/2402 Volts  
(6 Leads)  
2402 Volts Delta**

1800 RPM  
Form Wound Coils with  
VPI Insulation  
NEMA Class H Insulation  
40°C Ambient  
0.8 Power Factor Lagging  
DVR®2000E AVR with  
PMG Excitation

**MAGNAMAX<sup>DVR</sup>**

| Base Model  | Net Wt. (lbs.) | No. of Leads | Continuous         |      |                     |      |                     |      | Standby             |      |                     |      |
|-------------|----------------|--------------|--------------------|------|---------------------|------|---------------------|------|---------------------|------|---------------------|------|
|             |                |              | NEMA B<br>80°C R/R |      | NEMA F<br>105°C R/R |      | NEMA H<br>125°C R/R |      | NEMA F<br>130°C R/R |      | NEMA H<br>150°C R/R |      |
|             |                |              | kVA                | kW   | kVA                 | kW   | kVA                 | kW   | kVA                 | kW   | kVA                 | kW   |
| 573FSM4352  | 2890           | 6            | 394                | 315  | 500                 | 400  | 519                 | 415  | 519                 | 415  | 575                 | 460  |
| 573FSM4354  | 3030           | 6            | 438                | 350  | 563                 | 450  | 625                 | 500  | 625                 | 500  | 663                 | 530  |
| 574FSM4356  | 3530           | 6            | 581                | 465  | 750                 | 600  | 781                 | 625  | 781                 | 625  | 875                 | 700  |
| 574FSM4358  | 4050           | 6            | 688                | 550  | 888                 | 710  | 950                 | 760  | 950                 | 760  | 1050                | 840  |
| 741FSM4360① | 5300           | 6            | 913                | 730  | 1125                | 900  | 1156                | 925  | 1156                | 925  | 1163                | 930  |
| 742FSM4364① | 6100           | 6            | 1156               | 925  | 1400                | 1120 | 1500                | 1200 | 1500                | 1200 | 1500                | 1200 |
| 742FSM4366① | 6900           | 6            | 1400               | 1120 | 1700                | 1360 | 1813                | 1450 | 1813                | 1450 | 1813                | 1450 |
| 743FSM4368① | 7500           | 6            | 1550               | 1240 | 1900                | 1520 | 2000                | 1600 | 2000                | 1600 | 2013                | 1610 |
| 743FSM4370① | 8200           | 6            | 1713               | 1370 | 2100                | 1680 | 2250                | 1800 | 2250                | 1800 | 2250                | 1800 |
| 744FSM4374① | 9300           | 6            | 1906               | 1525 | 2344                | 1875 | 2563                | 2050 | 2563                | 2050 | 2563                | 2050 |
| 744FSM4376① | 9340           | 6            | 2250               | 1800 | 2688                | 2150 | 2900                | 2320 | 2900                | 2320 | 2900                | 2320 |

**50  
Hertz**

**4-Pole,  
Medium Voltage,  
Three Phase**

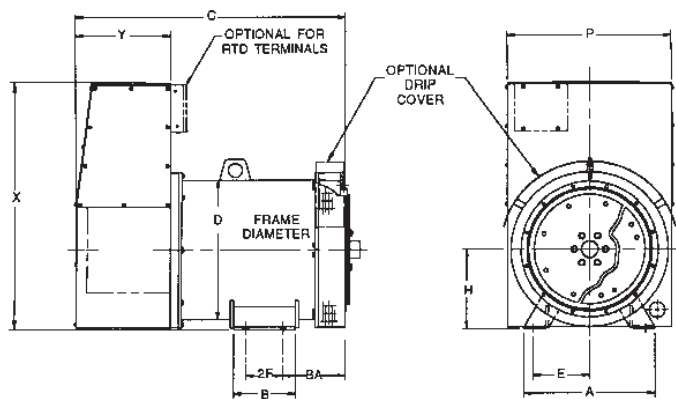
**3300Y/1905 Volts  
(6 Leads)  
1905 Volts Delta**

1500 RPM  
Form Wound Coils with  
VPI Insulation  
NEMA Class H Insulation  
40°C Ambient  
0.8 Power Factor Lagging  
DVR®2000E AVR with  
PMG Excitation

**MAGNAMAX<sup>DVR</sup>**

| Base Model  | Net Wt. (lbs.) | No. of Leads | Continuous         |      |                     |      |                     |      | Standby             |      |                     |      |
|-------------|----------------|--------------|--------------------|------|---------------------|------|---------------------|------|---------------------|------|---------------------|------|
|             |                |              | NEMA B<br>80°C R/R |      | NEMA F<br>105°C R/R |      | NEMA H<br>125°C R/R |      | NEMA F<br>130°C R/R |      | NEMA H<br>150°C R/R |      |
|             |                |              | kVA                | kW   | kVA                 | kW   | kVA                 | kW   | kVA                 | kW   | kVA                 | kW   |
| 573FSM4352  | 2890           | 6            | 350                | 280  | 425                 | 340  | 456                 | 365  | 469                 | 375  | 488                 | 390  |
| 573FSM4354  | 3030           | 6            | 388                | 310  | 475                 | 380  | 519                 | 415  | 531                 | 425  | 550                 | 440  |
| 574FSM4356  | 3530           | 6            | 500                | 400  | 625                 | 500  | 663                 | 530  | 681                 | 545  | 706                 | 565  |
| 574FSM4358  | 4050           | 6            | 588                | 470  | 731                 | 585  | 788                 | 630  | 806                 | 645  | 838                 | 670  |
| 741FSM4360① | 5300           | 6            | 769                | 615  | 913                 | 730  | 981                 | 785  | 981                 | 785  | 1038                | 830  |
| 742FSM4364① | 6100           | 6            | 963                | 770  | 1156                | 925  | 1250                | 1000 | 1250                | 1000 | 1325                | 1060 |
| 742FSM4366① | 6900           | 6            | 1163               | 930  | 1400                | 1120 | 1500                | 1200 | 1500                | 1200 | 1600                | 1280 |
| 743FSM4368① | 7500           | 6            | 1300               | 1040 | 1550                | 1240 | 1675                | 1340 | 1675                | 1340 | 1788                | 1430 |
| 743FSM4370① | 8200           | 6            | 1425               | 1140 | 1750                | 1400 | 1900                | 1520 | 1900                | 1520 | 2050                | 1640 |
| 744FSM4374① | 9300           | 6            | 1525               | 1220 | 1813                | 1450 | 2000                | 1600 | 2000                | 1600 | 2188                | 1750 |
| 744FSM4376① | 9340           | 6            | 1500               | 1200 | 2050                | 1640 | 2275                | 1820 | 2338                | 1870 | 2463                | 1970 |

① All 740 frame generators on this page have 100 ohm platinum winding RTDs as standard equipment.



430 – 570 – 740 Frame

## Dimensions in inches and (millimeters)



ALL DIMENSIONS ARE APPROXIMATE: Contact factory for full dimensional data

| Frame Size | A              | B               | BA             | C               | D              | E              | 2F             | H              | P              | X               | Y              | MAX Net Wgt.<br>lbs.<br>(kg) |
|------------|----------------|-----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------|------------------------------|
| 431        | 21.00<br>(533) | 10.00<br>(254)  | 10.00<br>(254) | 38.40<br>(975)  | 22.64<br>(575) | 9.00<br>(229)  | 6.00<br>(152)  | 13.00<br>(330) | 26.51<br>(673) | 39.77<br>(1010) | 15.21<br>(386) | 1370<br>(623)                |
| 432        | 21.00<br>(533) | 10.00<br>(254)  | 10.00<br>(254) | 43.40<br>(1102) | 22.64<br>(575) | 9.00<br>(229)  | 6.00<br>(152)  | 13.00<br>(330) | 26.51<br>(673) | 39.77<br>(1010) | 15.21<br>(386) | 1830<br>(832)                |
| 433        | 21.00<br>(533) | 10.00<br>(254)  | 10.00<br>(254) | 49.40<br>(1255) | 22.64<br>(575) | 9.00<br>(229)  | 11.00<br>(279) | 13.00<br>(330) | 26.51<br>(673) | 39.77<br>(1010) | 15.21<br>(386) | 2365<br>(1075)               |
| 572        | 22.50<br>(572) | 15.00<br>(381)  | 11.50<br>(292) | 51.52<br>(1308) | 27.64<br>(702) | 10.00<br>(254) | 11.00<br>(279) | 15.50<br>(394) | 30.77<br>(782) | 42.64<br>(1083) | 17.21<br>(437) | 3110<br>(1411)               |
| 573        | 22.50<br>(572) | 24.00<br>(610)  | 11.50<br>(292) | 58.02<br>(1474) | 27.64<br>(702) | 10.00<br>(254) | 20.00<br>(508) | 15.50<br>(394) | 30.77<br>(782) | 42.64<br>(1083) | 17.21<br>(437) | 3620<br>(1642)               |
| 574        | 22.50<br>(533) | 24.00<br>(610)  | 11.50<br>(292) | 65.02<br>(1651) | 27.64<br>(702) | 10.00<br>(254) | 20.00<br>(508) | 15.50<br>(394) | 30.77<br>(782) | 42.64<br>(1083) | 17.21<br>(437) | 4240<br>(1923)               |
| 575        | 22.50<br>(533) | 24.00<br>(610)  | 11.50<br>(292) | 69.27<br>(1759) | 27.64<br>(702) | 10.00<br>(254) | 20.00<br>(508) | 15.50<br>(394) | 30.77<br>(782) | 42.64<br>(1083) | 19.21<br>(488) | 5000<br>(2268)               |
| 740        | 33.00<br>(838) | 27.00<br>(686)  | 12.00<br>(305) | 71.37<br>(1813) | 27.64<br>(702) | 15.00<br>(381) | 23.00<br>(584) | 19.00<br>(483) | 30.77<br>(782) | 51.45<br>(1307) | 19.21<br>(488) | 5200<br>(2359)               |
| 741        | 33.00<br>(838) | 27.00<br>(686)  | 12.00<br>(305) | 65.81<br>(1672) | 34.24<br>(870) | 15.00<br>(381) | 23.00<br>(584) | 19.00<br>(483) | 38.02<br>(966) | 51.45<br>(1307) | 21.24<br>(539) | 5490<br>(2490)               |
| 742        | 33.00<br>(838) | 27.00<br>(686)  | 12.00<br>(305) | 72.81<br>(1849) | 34.24<br>(870) | 15.00<br>(381) | 23.00<br>(584) | 19.00<br>(483) | 38.02<br>(966) | 51.45<br>(1307) | 21.24<br>(539) | 6300<br>(2858)               |
| 743        | 33.00<br>(838) | 41.00<br>(1041) | 12.00<br>(305) | 79.31<br>(2014) | 34.24<br>(870) | 15.00<br>(381) | 37.00<br>(940) | 19.00<br>(483) | 38.02<br>(966) | 51.45<br>(1307) | 21.24<br>(539) | 7800<br>(3538)               |
| 744        | 33.00<br>(838) | 41.00<br>(1041) | 12.00<br>(305) | 85.81<br>(2180) | 34.24<br>(870) | 15.00<br>(381) | 37.00<br>(940) | 19.00<br>(483) | 38.02<br>(966) | 51.45<br>(1307) | 21.24<br>(539) | 9740<br>(4418)               |

Note: Connection boxes shown are furnished as standard product. Consult factory for optional connection boxes.



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