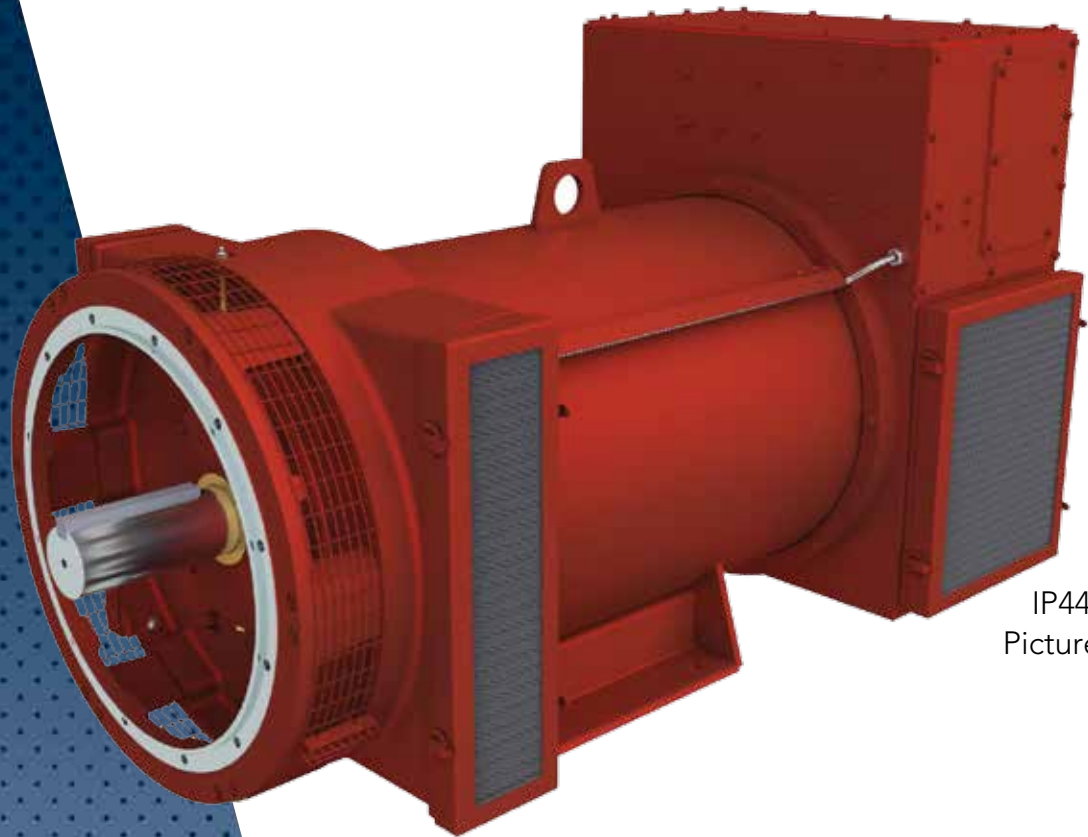


marathon™

Generators

Hazardous Duty Generators ATEX / IECEx Certified



IP44
Pictured

SIRA certified for:

- ATEX Zone 2 Ex nA nC IIC T3 Gc
Per EN60079-0 & EN60079-15
- IECEx Zone 2 Ex nA nC IIC T3 Gc
- Temperature Code T3

ISO 9001:2008 Certified

A Regal Brand

REGAL



marathon™

Generators

Hazardous Duty Generators ATEX / IECEx Zone 2 Certified

Dependable Power for the Harshest Applications

With increasing requirements for third party certified generators, Marathon now offers a full line of ATEX and IECEx Zone 2 generators (third party certified through SIRA and CSA).

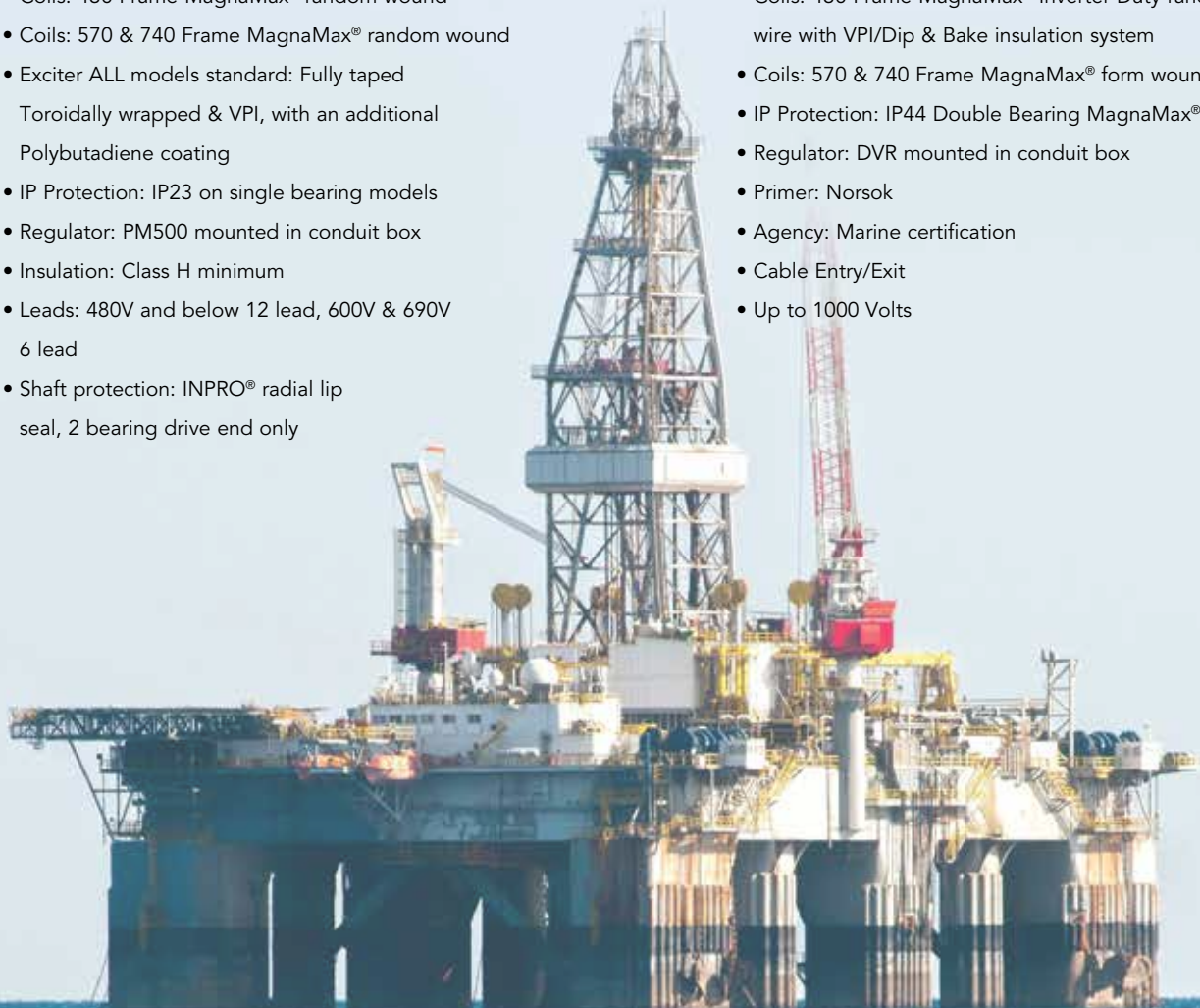
Standard Features:

- PMG: Standard for MagnaMax®
- Space Heaters
- Sealed conduit box to generator body
- Lightning arrestor and surge capacitor
- Non ferrous/non sparking fan
- Coils: 430 Frame MagnaMax® random wound
- Coils: 570 & 740 Frame MagnaMax® random wound
- Exciter ALL models standard: Fully taped Toroidally wrapped & VPI, with an additional Polybutadiene coating
- IP Protection: IP23 on single bearing models
- Regulator: PM500 mounted in conduit box
- Insulation: Class H minimum
- Leads: 480V and below 12 lead, 600V & 690V 6 lead
- Shaft protection: INPRO® radial lip seal, 2 bearing drive end only

These generators are readily available in a robust reliable design to meet the requirements of Hazardous, ATEX and IECEx locations.

Optional Features:

- CT's: Paralleling, sensing or differential
- Stator RTD's 2 per phase 100 ohm Platinum
- Bearing RTD's 1 per bearing 100 ohm Platinum
- INSOCOAT® (Ceramic coating) Bearing
- Removable bearing cartridge
- Coils: 430 Frame MagnaMax® Inverter Duty random wound wire with VPI/Dip & Bake insulation system
- Coils: 570 & 740 Frame MagnaMax® form wound with VPI
- IP Protection: IP44 Double Bearing MagnaMax® models
- Regulator: DVR mounted in conduit box
- Primer: Norsok
- Agency: Marine certification
- Cable Entry/Exit
- Up to 1000 Volts



Random Wound • 480 Volts
60 Hz • 0.8 P.F. • IP23

Frame	KW NEMA B 80°C R/R
431	120-133
432	163-219
433	290-314
572	361-461
573	542-556
574	637-684
741	822
742	950-1159
743	1245
744	1425-1672

Form Wound • 480 Volts
60 Hz • 0.8 P.F. • IP23

Frame	KW NEMA B 80°C R/R
573	428
574	542
742	760
743	855-974
744	1083-1425

Random Wound • 400 Volts
50 Hz • 0.8 P.F. • IP23

Frame	KW (KVA) NEMA B 80°C R/R
431	96-106 (126-140)
432	130-176 (171-231)
433	223-247 (294-325)
572	290-356 (381-469)
573	451 (594)
574	508-542 (669-731)
741	660 (869)
742	760-941 (1000- 1238)
743	696 (1275)
744	1150-1359 (1513- 1788)

Form Wound • 600 Volts
60 Hz • 0.8 P.F. • IP23

Frame	KW NEMA B 80°C R/R
573	428
574	570
742	760
743	855-974
744	1083-1354

Random Wound • 600 Volts
60 Hz • 0.8 P.F. • IP23

Frame	KW NEMA B 80°C R/R
431	119-128
432	162-214
433	309
572	399-461
573	537-546
574	665-760
741	727-822
742	912
743	1064-1235
744	1425

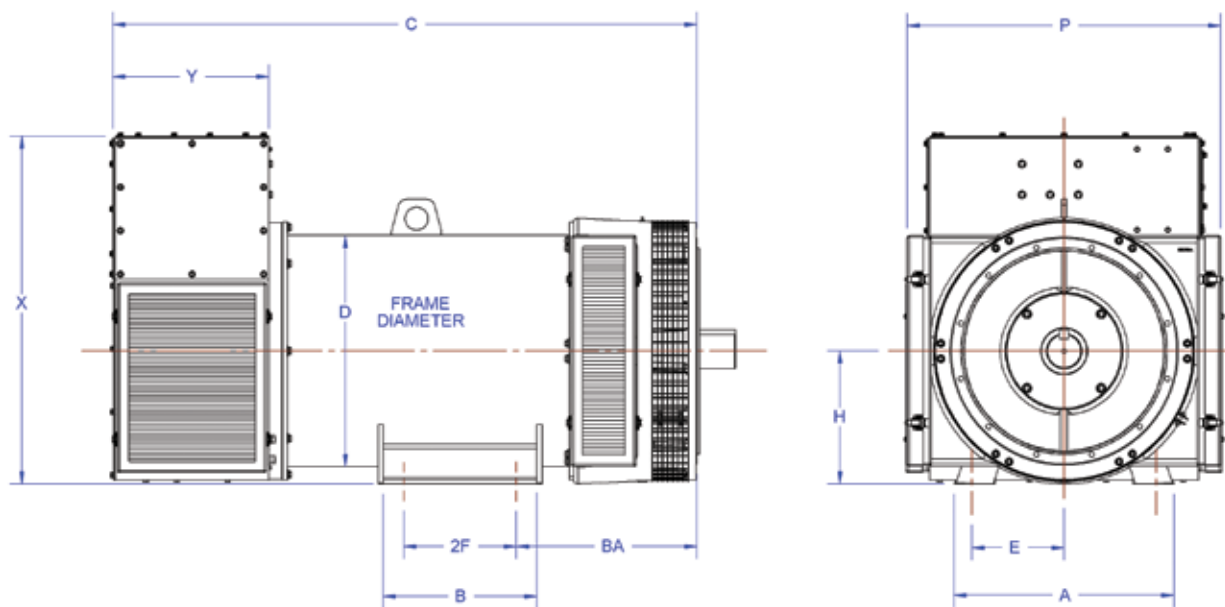
Form Wound • 600 Volts
60 Hz • 0.8 P.F. • IP23

Frame	KW (KVA) NEMA B 80°C R/R
573	360 (450)
574	456 (570)
742	640 (800)
743	720-820 (900-1025)
744	912-1200 (1140-1500)

NOTE: Ratings for all units on this page are very application specific and require an application review for proper sizing. Please contact factory for application assistance as the final build specification may affect the final output Kw.

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
431	21.00 (533)	10.00 (254)	17.62 (448)	46.02 (1169)	22.64 (575)	9.00 (229)	6.00 (152)	13.00 (330)	30.84 (783)	33.70 (855)	15.21 (386)
432	21.00 (533)	10.00 (254)	17.62 (448)	51.02 (1296)	22.64 (575)	9.00 (229)	6.00 (152)	13.00 (330)	30.84 (783)	33.70 (855)	15.21 (386)
433	21.00 (533)	15.00 (381)	17.62 (448)	57.02 (1448)	22.64 (575)	9.00 (229)	11.00 (279)	13.00 (330)	30.84 (783)	33.70 (855)	15.21 (386)
572	22.50 (572)	15.00 (381)	22.00 (559)	62.02 (1575)	27.64 (702)	10.00 (254)	11.00 (279)	15.50 (394)	36.54 (928)	37.82 (961)	17.21 (437)
573	22.50 (572)	24.00 (610)	22.00 (559)	68.52 (1740)	27.64 (702)	10.00 (254)	20.00 (508)	15.50 (394)	36.54 (928)	37.82 (961)	17.21 (437)
574	22.50 (572)	24.00 (610)	22.00 (559)	75.52 (1918)	27.64 (702)	10.00 (254)	20.00 (508)	15.50 (394)	36.54 (928)	37.82 (961)	17.21 (437)
741	33.00 (838)	27.00 (686)	24.52 (623)	78.33 (1990)	34.24 (870)	15.00 (381)	23.00 (584)	19.00 (483)	43.35 (1101)	45.86 (1165)	21.24 (539)
742	33.00 (838)	27.00 (686)	24.52 (623)	85.33 (2167)	34.24 (870)	15.00 (381)	23.00 (584)	19.00 (483)	43.35 (1101)	45.86 (1165)	21.24 (539)
743	33.00 (838)	41.00 (1041)	24.52 (623)	91.83 (2332)	34.24 (870)	15.00 (381)	37.00 (940)	19.00 (483)	43.35 (1101)	45.86 (1165)	21.24 (539)
744	33.00 (838)	41.00 (1041)	24.52 (623)	98.33 (2498)	34.24 (870)	15.00 (381)	37.00 (940)	19.00 (483)	43.35 (1101)	45.86 (1165)	21.24 (539)

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

marathon[™]
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