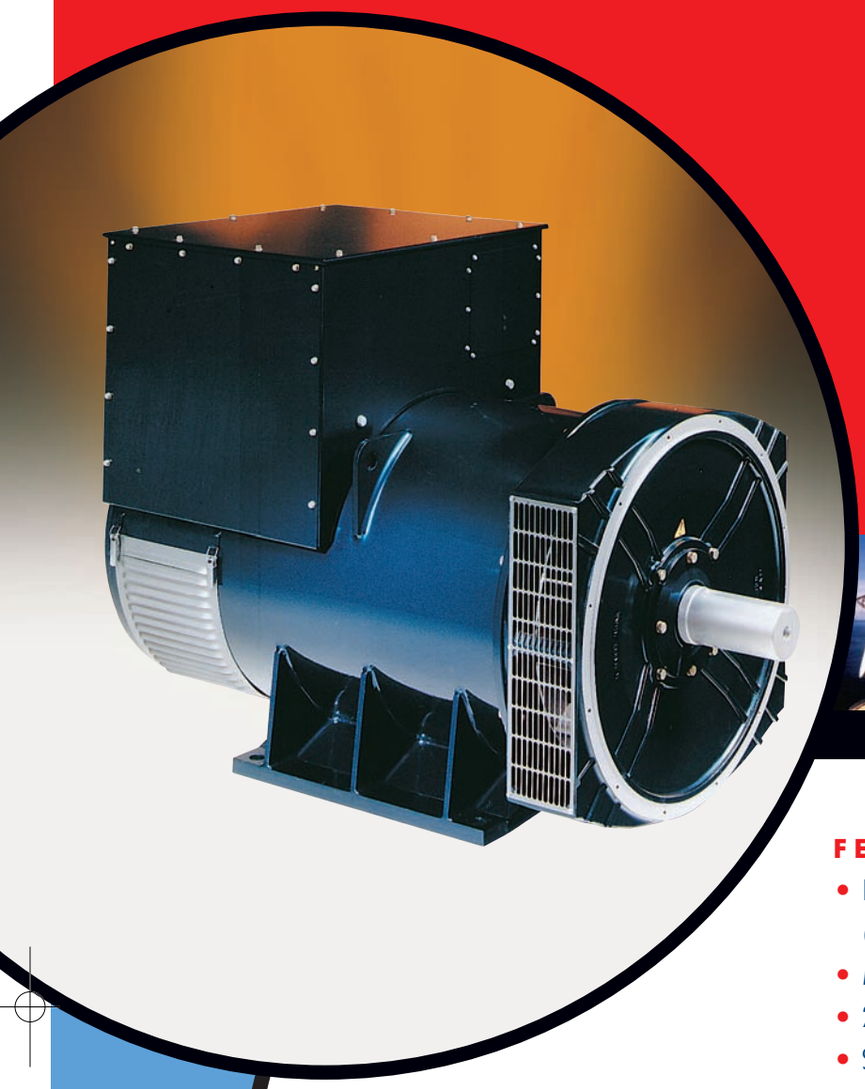


product profile

# HC6 RANGE

**Voltages**
120V - 690V

**Outputs**
from 800 - 1438 kVA (4 pole)

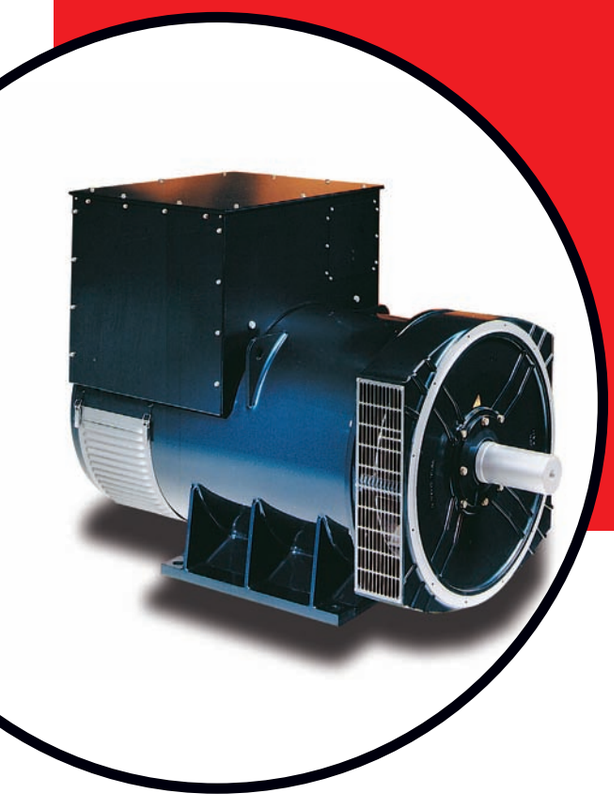
## FEATURES:

- Permanent Magnet Generator (PMG) provides an isolated power supply to the excitation control system
- MX321 (PMG) as standard with 0.5% Regulation and 3 phase sensing
- 2/3 pitch winding as standard, to avoid excessive neutral currents
- Single or two bearing construction with dynamically balanced rotor and sealed-for-life bearings
- Easy access for installation and maintenance
- Built to conform with all leading industrial and marine standards
- IP23 as standard

## OPTIONS & ACCESSORIES:

- Temperature Indication RTD's
- Winding Protection Thermistors
- Air Condensation Heaters
- Air Filters
- Quadrature Droop kit for Parallel Operation
- Power factor Controller
- Diode Failure Unit
- Excitation Loss Module
- Manual Voltage Regulator

STAMFORD
power generation



product profile

# HC 6 RANGE

**TYPICAL APPLICATIONS:**

Combined Heat & Power
Parallel Operation
Peak Shaving
Base Load Prime
Standby
Rental
Telecommunication
Marine/Offshore

Standard Winding (311)

## 3 Phase Ratings for STAMFORD HC6 Generators

| 4 Pole | 50Hz (1500 rpm) | | | | | | | | | 60Hz (1800 rpm) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rating/Ambient | Base 40°C | | | Peak 40°C | | | Peak 27°C | | | Base 40°C | | | Peak 40°C | | | Peak 27°C | | |
| Application/Temp Rise | Continuous 125°C | | | Standby 150°C | | | Standby 163°C | | | Continuous 125°C | | | Standby 150°C | | | Standby 163°C | | |
| Voltage | 380 | 400 | 415 | 380 | 400 | 415 | 380 | 400 | 415 | 416 | 440 | 480 | 416 | 440 | 480 | 416 | 440 | 480 |
| HCI 6G kVA | 800 | 810 | 800 | 820 | 830 | 820 | 850 | 860 | 850 | 875 | 925 | 1000 | 913 | 969 | 1046 | 950 | 1000 | 1088 |
| kW | 640 | 648 | 640 | 656 | 664 | 656 | 680 | 688 | 680 | 700 | 740 | 800 | 730 | 775 | 837 | 760 | 800 | 870 |
| HCI 6H kVA | 910 | 940 | 910 | 960 | 980 | 960 | 1000 | 1010 | 1000 | 1025 | 1063 | 1125 | 1088 | 1125 | 1188 | 1125 | 1163 | 1219 |
| kW | 728 | 752 | 728 | 768 | 784 | 768 | 800 | 808 | 800 | 820 | 850 | 900 | 870 | 900 | 950 | 900 | 930 | 975 |
| HCI 6J kVA | 1000 | 1030 | 1000 | 1060 | 1070 | 1060 | 1100 | 1100 | 1100 | 1150 | 1200 | 1300 | 1206 | 1250 | 1350 | 1250 | 1300 | 1400 |
| kW | 800 | 824 | 800 | 848 | 856 | 848 | 880 | 888 | 880 | 920 | 960 | 1040 | 965 | 1000 | 1080 | 1000 | 1040 | 1120 |
| HCI 6K kVA | 1110 | 1130 | 1110 | 1180 | 1190 | 1180 | 1220 | 1230 | 1220 | 1275 | 1338 | 1438 | 1350 | 1413 | 1525 | 1400 | 1463 | 1575 |
| kW | 888 | 904 | 888 | 944 | 952 | 944 | 976 | 984 | 976 | 1020 | 1070 | 1150 | 1080 | 1130 | 1220 | 1120 | 1170 | 1260 |

## 3 Phase Ratings for STAMFORD HC6 Generators

| 6 Pole | 50Hz (1000 rpm) | | | | | | | | | 60Hz (1200 rpm) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rating/Ambient | Base 40°C | | | Peak 40°C | | | Peak 27°C | | | Base 40°C | | | Peak 40°C | | | Peak 27°C | | |
| Application/Temp Rise | Continuous 125°C | | | Standby 150°C | | | Standby 163°C | | | Continuous 125°C | | | Standby 150°C | | | Standby 163°C | | |
| Voltage | 380 | 400 | 415 | 380 | 400 | 415 | 380 | 400 | 415 | 416 | 440 | 480 | 416 | 440 | 480 | 416 | 440 | 480 |
| HCI 6G kVA | 280 | 280 | 280 | 291 | 291 | 291 | 300 | 300 | 300 | 331 | 350 | 350 | 344 | 364 | 364 | 354 | 375 | 375 |
| kW | 224 | 224 | 224 | 233 | 233 | 233 | 240 | 240 | 240 | 265 | 280 | 280 | 275 | 291 | 291 | 283 | 300 | 300 |
| HCI 6H kVA | 380 | 380 | 380 | 395 | 395 | 395 | 407 | 407 | 407 | 450 | 475 | 475 | 468 | 494 | 494 | 482 | 508 | 508 |
| kW | 304 | 304 | 304 | 316 | 316 | 316 | 326 | 326 | 326 | 360 | 380 | 380 | 374 | 395 | 395 | 386 | 406 | 406 |
| HCI 6J kVA | 450 | 450 | 450 | 468 | 468 | 468 | 482 | 482 | 482 | 531 | 563 | 563 | 552 | 586 | 586 | 586 | 602 | 602 |
| kW | 360 | 360 | 360 | 374 | 374 | 374 | 386 | 386 | 386 | 425 | 450 | 450 | 442 | 469 | 469 | 454 | 482 | 482 |
| HCI 6K kVA | 570 | 570 | 570 | 593 | 593 | 593 | 610 | 610 | 610 | 675 | 713 | 713 | 702 | 742 | 742 | 722 | 763 | 763 |
| kW | 456 | 456 | 456 | 474 | 474 | 474 | 488 | 488 | 488 | 540 | 570 | 570 | 562 | 594 | 594 | 578 | 610 | 610 |



PM_HC6 PP GB 11.02_02_GB



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