

The leading company in green growth

SUNTECH

Korea's first NEP certification of generator
Environment-friendly generator with ultra high efficiency



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S U N T E C H

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WORLD TOP-RANK
IN HIGH EFFICIENCY OF GENERATOR
SUNTECH

CEO Message

Greeting!

I'm Sun Hyoo Lee, a CEO of SUNTECH Co., Ltd. which keeps the continuous development under your encouragement. We, SUNTECH, have dedicated in manufacturing, researching, and developing rotary equipment for more than 20 years. In order to supply clean and neat electricity to consumers and to reduce energy consumption in the high oil price age, we have researched the development of an environment-friendly releasing it to the market, we expect it will continuously increase our sales turnover in worldwide markets as well as in domestic market. In addition, we believe it will become a new leader in next generation of generator along with the increase of export. We promise to keep our efforts for developing new technologies without discontinuity. We hope your continued cooperation and encouragement in future and further, wish your prosperous success.

Company History

| | |
|------|--|
| 2018 | Registered electric work |
| 2017 | Obtained Performance Certificate[Permanent magnet double exciter control generator] |
| 2016 | Direct production Certification [Korea Federation] |
| 2015 | Listed on the KONEX |
| 2014 | Selected as Pre-World Class company |
| 2013 | Award Presidential prize in Application of New Technology |
| 2012 | Approved the extension of validating date for NEP Certification [NEP-MOCIE-2007-023] |
| 2011 | Awarded government & industrial prizes in Application of New Technology in 2011 |
| 2010 | First deliver 10kW to Korea Defense Acquisition Program Administration |
| 2009 | Approved the extension of validating date for NEP Certification [NEP-MKE-2008-049] |
| 2008 | Won the gold prize at 2008 Geneva international invention |
| 2007 | Obtained NEP Certification [NEP MOCIE-2007-023] |
| 2006 | Founded a laboratory affiliated with company |
| 2005 | Got INNO-BIZ approval |
| 2004 | Selected as a promising export company |
| 2003 | Obtained ISO9001 & 14001] |
| 2002 | Obtained CE Certification [AM500167310001 |
| 1998 | Incorporated as SUNTECH Co., Ltd. |
| 1996 | Establish Sun-tech generator |





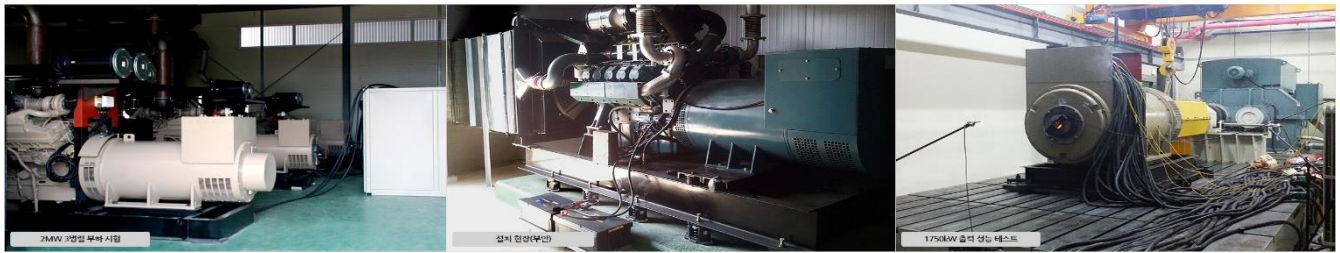
Patents • Certificate • Award



Acquisition of Intellectual Property Rights

| | | |
|---------------|----------|---|
| PATENT | Domestic | Rotator of generator and motor(no.:0597191) Rotator for generator or motor(no.:0667049) Rotator for generator equipping extra coil(no.:0702631) Generator equipping power factor correction(no.:0742715) / generator(no.:0758385) Synchronous generator enabling self-diagnosis and the control of field current(no.:0901865) |
| | Overseas | Rotator of motor or generator(no.:7834505) Rotator of motor or generator(no.:7876014) Rotator of motor or generator(no.:4839260) Rotator of motor and generator(no.:866385) Rotator of motor or generator(no.:7850456) |
| DESIGN | | Bracket for field control unit of generator(no.0482611) / Rotator core for motor(no.:0440728) Rotator core for motor(no.:0453571) / Stator for generator(no.:0464651) |
| UTILITY MODEL | | Stator of generator and motor(no.:4020759) |

Generator Type



Standard type Diesel Generator Set

- Control Panel: Mounted / Separated
- Fuel tank base: All in one / Separated
- Built in over-voltage, over-current and low-voltage relays
- Protects startup failure at autostart
- Built-in and protect oil pressure, cooling water temperature, oil temperature gauge
- Built in engine control switch (automatic, manual, stop, etc.)
- Remote monitoring and control based on RS-485 / RS-232 communication
 - Indication of number of generator start and operation time
- Indication of battery voltage and current



Enclosure[Bonnet type]

- Option : Color, soundproof (noise reduction)
- Available for move(tow), can be combined with mobile trailer
- Compared to the house type, it occupies the smallest area in a compact size.

<Place of use>

- In case there are many complaints about noise in densely residential areas
- In case the generator is moved often and used (Construction sites, etc.)
- In case there is a narrow space for placing a separate generator room outside the building or building without the generator room.



Enclosure[House type]

- Option : Color
- Easy maintenance of generator and engine by proper ensuring check section
- Proper air supply and exhaust is secured according to generator capacity.

<Place of use>

- Building and road section without generator room (tunnel, sales office, etc)
- In case a generator is installed outside the existing and new building

SUNTECH PRODUCT LIST

DOOSAN SERIES
CUMMINS SERIES
CATERPILLAR SERIES
MITSUBISHI SERIES
MTU SERIES
PERKINS SERIES
MAN SERIES



World top-rank in high efficiency of generator

SUNTECH SERIES 1

DOOSAN

| SET MODEL | | PMG(X) PMG(O) | SAS-60 SGA-60 | SAS-90 SGA-90 | SAS-130 SGA-130 | SAS-175 SGA-175 | SAS-200 SGA-200 | SAS-250 SGA-250 | SAS-275 SGA-275 | SAS-300 SGA-300 | | |
|---------------------------|------------------------|------------------|---|------------------------------|--------------------|--------------------|--------------------------|--------------------|--------------------|--------------------|-----------|--|
| GENERATOR | Stand-by Power (60/50) | kw | 60/50 | 90/75 | 130/104 | 175/148 | 200/178 | 250/227 | 275/249 | 300/266 | | |
| | | kva | 75/63 | 112/94 | 162/130 | 218/185 | 250/223 | 312/284 | 343/311 | 375/333 | | |
| | Prime Power (60/50) | kw | 55/45 | 82/64 | 118/94 | 159/134 | 182/158 | 227/201 | 250/211 | 273/241 | | |
| | | kva | 69/56 | 103/85 | 148/118 | 199/168 | 228/198 | 284/251 | 312/263 | 341/301 | | |
| | Frequency | Hz | 60/50 | | | | | | | | | |
| | RPM | RPM | 1,800(60Hz)/1,500(50Hz) | | | | | | | | | |
| | Pole, Phase, Wire | | 4Pole 3Phase 4Wire | | | | | | | | | |
| | Insulation Class | | F,H CLASS | | | | | | | | | |
| | Power Factor | PF | 0.8 | | | | | | | | | |
| | Exciting System | | Brushless Self Exciting or P.M.G(Permanent Magnet Generator : SGA MODEL) | | | | | | | | | |
| | Bearing | | Single Ball Bearing | | | | | | | | | |
| | Voltage | V | 220/127, 380/220, 440/254, 3300, 6600 | | | | | | | | | |
| | ENGINE | Manufacturer | | DOOSAN HEAVY INDUSTRIES LTD. | | | | | | | | |
| | | Model | | DB58 | D1146 | D1146T | DE12T | P086TI | P126TI-3 | P126TI | P126TI-II | |
| Stand-by Power(60/50) | | HP | 94/79 | 141/114 | 197/158 | 267/223 | 299/267 | 370/338 | 399/365 | 458/394 | | |
| Prime Power(60/50) | | HP | 86/72 | 129/103 | 168/143 | 241/202 | 275/237 | 338/299 | 373/323 | 416/394 | | |
| RPM | | RPM | 1,800(60Hz)/1,500(50Hz) | | | | | | | | | |
| No. of Cylinder | | EA | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| Bore x Stroke | | mm | 102X118 | 111X139 | 111X139 | 123X155 | 111X139 | 123X155 | 123X155 | 123X155 | | |
| Displacement | | cc | 5785 | 8071 | 8071 | 11051 | 8071 | 11051 | 11051 | 11051 | | |
| Compression Ratio | | | 17.5:1 | 17.5:1 | 16.8:1 | 17.1:1 | 16.4:1 | 17.0:1 | 17.0:1 | 17.0:1 | | |
| Engine Type | | | Four stroke diesel internal combustion engine(Radiator & Heat Exchanger Cooling Type) | | | | | | | | | |
| Aspiration | | | Natural / Aspiration | | Turbocharged | | Turbocharged & Aircooled | | | | | |
| Starting System | | | Starting Electric Motor by Battery 24volt | | | | | | | | | |
| Governor | | | Mechanical Centrifugal Type | | | | | Electronic Type | | | | |
| Coolant Capacity (ENGINE) | | L | 12 | 14 | 14 | 19 | 14 | 19 | 19 | 19 | | |
| Coolant Capacity (SET) | | L | 34 | 38.5 | 38.5 | 52 | 48.5 | 60 | 60 | 60 | | |
| Lub.Oil Capacity | | L | 19 | 15.5 | 15.5 | 23 | 15.5 | 23 | 23 | 23 | | |
| Fuel Consumption | | L/Hr | 18.1/15.3 | 26.6/20.8 | 35.9/27 | 49/41 | 56.8/48.4 | 68.2/59.6 | 76.5/66.2 | 89.5/77.6 | | |
| DIM | | Length | mm | 2250 | 2400 | 2400 | 2600 | 2650 | 2994 | 2994 | 2994 | |
| | Width | mm | 850 | 850 | 850 | 920 | 946 | 1110 | 1110 | 1110 | | |
| | Height | mm | 1280 | 1350 | 1350 | 1510 | 1510 | 1540 | 1540 | 1540 | | |
| | Weight | kg | 1158 | 1487 | 1722 | 1957 | 1913 | 2226 | 2256 | 2366 | | |
| PAD | Length | mm | 3000 | 3000 | 3000 | 3200 | 3200 | 3500 | 3500 | 3500 | | |
| | Width | mm | 1200 | 1200 | 1200 | 1500 | 1500 | 1500 | 1500 | 1500 | | |
| | Height | mm | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | | |
| D.A | Radiator Air Flow | m³/min | 170 | 250 | 250 | 336 | 384 | 480 | 480 | 528 | | |
| | Combustion Air Flow | m³/min | 4 | 6.9 | 11.5 | 15 | 16.8 | 23 | 23 | 25 | | |
| | E.A (OUT - LET) | m³ | 0.4 | 0.5 | 0.5 | 0.7 | 0.8 | 1 | 1 | 1.1 | | |
| | O.A (IN-LET) | m³ | 0.4 | 0.6 | 0.6 | 0.8 | 1 | 1.2 | 1.2 | 1.3 | | |

※ The above specifications can be changed in accordance with on-site conditions.



| SET MODEL | | | PMG(X) PMG(O) | SAS-330 SGA-330 | SAS-360 SGA-360 | SAS-400 SGA-400 | SAS-450 SGA-450 | SAS-500 SGA-500 | SAS-550 SGA-550 | SAS-610 SGA-610 | SAS-660 SGA-660 | SAS-715 SGA-715 | SAS-750 SGA-750 |
|-----------|---------------------------|--------|------------------|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| GENERATOR | Stand-by Power (60/50) | kw | | 330/290 | 360/329 | 400/378 | 450/400 | 500/456 | 550/500 | 610/560 | 660 | 715/600 | 750/660 |
| | | kva | | 412/362 | 450/411 | 500/472 | 562/500 | 625/570 | 687/625 | 762/700 | 825 | 894/750 | 937/825 |
| | Prime Power (60/50) | kw | | 300/260 | 327/297 | 364/332 | 409/364 | 455/407 | 500/455 | 555/509 | 600 | 650/545 | 682/600 |
| | | kva | | 375/325 | 409/371 | 455/415 | 511/455 | 569/508 | 625/636 | 694/636 | 750 | 813/681 | 853/750 |
| | Frequency | Hz | | 60/50 | | | | | | | | | |
| | RPM | RPM | | 1,800(60Hz)/1,500(50Hz) | | | | | | | | | |
| | Pole, Phase, Wire | | | 4Pole 3Phase 4Wire | | | | | | | | | |
| | Insulation Class | | | F,H CLASS | | | | | | | | | |
| | Power Factor | PF | | 0.8 | | | | | | | | | |
| | Exciting System | | | Brushless Self Exciting or P.M.G(Permanent Magnet Generator : SGA MODEL) | | | | | | | | | |
| | Bearing | | | Single Ball Bearing | | | | | | | | | |
| | Voltage | V | | 220/127, 380/220, 440/254, 3300, 6600 | | | | | | | | | |
| ENGINE | Manufacturer | | | DOOSAN HEAVY INDUSTRIES LTD. | | | | | | | | | |
| | Model | | | P158LE-2 | P158LE-1 | P158LE | DP158LC | DP158LD | DP180LA | DP180LB | DP222LA | DP222LB | DP222LC |
| | Stand-by Power(60/50) | HP | | 503/430 | 539/485 | 614/555 | 688/602 | 745/684 | 824/740 | 886/765 | 988 | 1048/890 | 1110/969 |
| | Prime Power(60/50) | HP | | 464/393 | 491/438 | 539/487 | 625/547 | 677/622 | 749/673 | 805/695 | 898 | 953/809 | 1009/881 |
| | RPM | RPM | | 1,800(60Hz)/1,500(50Hz) | | | | | | | | | |
| | No. of Cylinder | EA | | 8 | 8 | 8 | 8 | 8 | 10 | 10 | 12 | 12 | 12 |
| | Bore x Stroke | mm | | 128X142 | 128X142 | 128X142 | 128X142 | 128X142 | 128X142 | 128X142 | 128X142 | 128X142 | 128X142 |
| | Displacement | cc | | 14618 | 14618 | 14618 | 14618 | 14618 | 18273 | 18273 | 21927 | 21927 | 21927 |
| | Compression Ratio | | | 15.0:1 | 15.0:1 | 15.0:1 | 15.0:1 | 15.0:1 | 15.0:1 | 15.0:1 | 15.0:1 | 15.0:1 | 15.0:1 |
| | Engine Type | | | Four stroke diesel internal combustion engine (Radiator & Heat Exchanger Cooling Type) | | | | | | | | | |
| | Aspiration | | | Turbocharged & Aircooled | | | | | | | | | |
| | Starting System | | | Starting Electric Motor by Battery 24volt | | | | | | | | | |
| | Governor | | | Electronic Type | | | | | | | | | |
| | Coolant Capacity (ENGINE) | L | | 19 | 19 | 19 | 20 | 20 | 21 | 21 | 23 | 23 | 23 |
| | Coolant Capacity (SET) | L | | 88.5 | 88.5 | 88.5 | 79 | 79 | 91 | 91 | 114 | 114 | 114 |
| | Lub.Oil Capacity | L | | 28 | 28 | 28 | 19 | 22 | 34 | 34 | 40 | 40 | 40 |
| | Fuel Consumption | L/Hr | | 93.5/84.4 | 104/93.6 | 115.7/102.9 | 123.8/110.9 | 139.6/127.8 | 154.1/135.4 | 165.3/149.5 | 179.9 | 192.8/162.7 | 203.8/172.8 |
| DIM | Length | mm | | 2990 | 2990 | 2990 | 2990 | 2990 | 3200 | 3200 | 3390 | 3390 | 3390 |
| | Width | mm | | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 |
| | Height | mm | | 1800 | 1800 | 1800 | 1800 | 1800 | 1860 | 1860 | 2130 | 2130 | 2130 |
| | Weight | kg | | 2595 | 2655 | 2690 | 2770 | 2810 | 3312 | 3340 | 3705 | 3880 | 3910 |
| PAD | Length | mm | | 3500 | 3500 | 3500 | 3700 | 3700 | 3700 | 3700 | 4000 | 4000 | 4000 |
| | Width | mm | | 1700 | 1700 | 1700 | 1700 | 1700 | 1700 | 1700 | 1800 | 1800 | 1800 |
| | Height | mm | | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| D.A | Radiator Air Flow | m³/min | | 768 | 768 | 816 | 850 | 928 | 928 | 928 | 1123 | 1123 | 1123 |
| | Combustion Air Flow | m³/min | | 31.1 | 31.1 | 31.1 | 34.5 | 36.6 | 43.1 | 45.5 | 53.5 | 56 | 57.6 |
| | E.A (OUT - LET) | m³ | | 1.4 | 1.4 | 1.5 | 1.6 | 1.7 | 1.7 | 1.7 | 2.1 | 2.1 | 2.1 |
| | O.A (IN-LET) | m³ | | 1.7 | 1.7 | 1.8 | 1.8 | 2 | 2 | 2 | 2.5 | 2.5 | 2.5 |

※ The above specifications can be changed in accordance with on-site conditions.

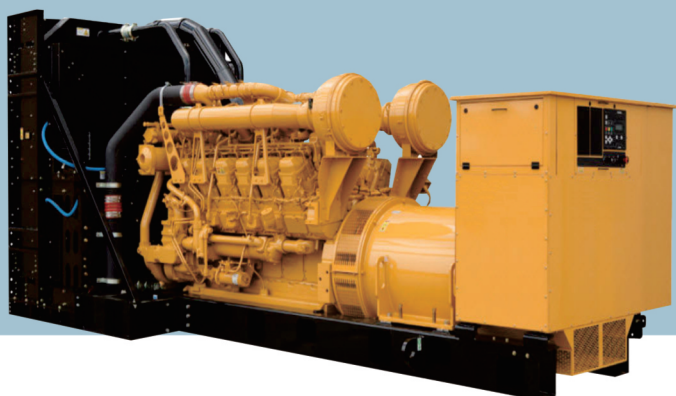
World top-rank in high efficiency of generator

SUNTECH SERIES 2

CUMMINS

| SET MODEL | | | SAS(SGA) -C800 | SAS(SGA) -C900 | SAS(SGA) -C1000 | SAS(SGA) -C1250 | SAS(SGA) -C1500 | SAS(SGA) -C1750 | SAS(SGA) -C2000 | SAS(SGA) -C2250 | SAS(SGA) -C2500 | SAS(SGA) -C2750 | |
|---------------------------|------------------------|--------------|--|--------------------------|----------------------|----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|----------|
| GENERATOR | Stand-by Power (60/50) | kw | 800/700 | 900/800 | 1000/875 | 1250/1120 | 1500 | 1750 | 2000 | 2250 | 2500 | 2750 | |
| | | kva | 1000/875 | 1125/1000 | 1250/1094 | 1560/1400 | 1875 | 2187 | 2500 | 2812 | 3125 | 3438 | |
| | Prime Power (60/50) | kw | 727/650 | 818/720 | 909/790 | 1136/1000 | 1364 | 1590 | 1818 | - | 2273 | 2500 | |
| | | kva | 909/875 | 1022/900 | 1136/987 | 1420/1250 | 1705 | 1989 | 2272 | - | 2841 | 3125 | |
| | Frequency | Hz | 60/50 | | | | | | | | | | |
| | RPM | RPM | 1800(60Hz)/1500(50Hz) | | | | | | | | | | |
| | Pole, Phase, Wire | | 4Pole 3Phase 4Wire | | | | | | | | | | |
| | Insulation Class | | F,H CLASS | | | | | | | | | | |
| | Power Factor | PF | 0.8 | | | | | | | | | | |
| | Exciting System | | Brushless Self Exciting or P.M.G(Permanent Magnet Generator : SGA MODEL) | | | | | | | | | | |
| | Bearing | | Single Ball Bearing or Double Ball Bearing | | | | | | | | | | |
| | Voltage | V | 220/127,380/220,440/254,3300,6600 | | | | | | | | | | |
| | ENGINE | Manufacturer | | CUMMINS | | | | | | | | | |
| | | Model | | QSK23-G7 | KTA38-G3 QST30-G3 | KTA38-G4 QST30-G4 | KTA50-G3 | KTA50-G9 | QSK60-G6 | QSK60-G6 | QSK60-G9 | QSK78-G6 | QSK78-G8 |
| Stand-by Power(60/50) | | HP | 1200/1030 | 1350/1200 | 1490/1300 | 1850/1645 | 2220 | 2922 | 2922 | 3251 | 3778 | 4060 | |
| Prime Power(60/50) | | HP | 1085/940 | 1220/1080 | 1350/1180 | 1742/1541 | 1855 | 2647 | 2647 | - | 3371 | 3670 | |
| RPM | | RPM | 1800(60Hz)/1500(50Hz) | | | | | | | | | | |
| No. of Cylinder | | EA | 6 | 12 | 12 | 16 | 16 | 16 | 16 | 16 | 18 | 18 | |
| Bore x Stroke | | mm | 170X170 | 140X165 | 159X159 | 159X159 | 159X159 | 159X190 | 159X190 | 159X190 | 170X190 | 170X190 | |
| Displacement | | cc | 23150 | 30480 | 37800 | 50300 | 50300 | 60200 | 60200 | 60200 | 77600 | 77600 | |
| Compression Ratio | | | 16.0:1 | 14.0:1 | 13.9:1 | 13.9:1 | 13.9:1 | 14.5:1 | 14.5:1 | 14.5:1 | 15.3:1 | 15.5:1 | |
| Engine Type | | | Four stroke diesel internal combustion engine (Radiator & Heat Exchanger Cooling Type) | | | | | | | | | | |
| Aspiration | | | Turbocharged | Turbocharged Aftercooled | | | | | | | | | |
| Starting System | | | Starting Electric Motor by Battery 24volt | | | | | | | | | | |
| Governor | | | Electronic Type | | | | | | | | | | |
| Coolant Capacity (ENGINE) | | L | 46.5 | 85 | 91 | 161 | 174 | 193 | 193 | 193 | 224 | 224 | |
| Coolant Capacity (SET) | | L | 89 | 84 | 220 | 345 | 310 | 430 | 430 | 492 | 450 | 738 | |
| Lub.Oil Capacity | | L | 102 | 133 | 154 | 204 | 204 | 261 | 261 | 176 | 413 | 413 | |
| Fuel Consumption | | L/Hr | 212/178 | 228/204 | 271/227 | 330/293 | 392 | 466 | 521 | 569 | 663 | 704 | |
| DIM | | Length | mm | 4266 | 4297 | 4200 | 5105 | 5690 | 6175 | 6175 | 6175 | 6965 | 7138 |
| | | Width | mm | 1879 | 1685 | 1880 | 2000 | 2033 | 2286 | 2286 | 2494 | 2750 | 2750 |
| | Height | mm | 2052 | 2079 | 2500 | 2238 | 2330 | 2537 | 2537 | 3116 | 3360 | 3387 | |
| | Weight | kg | 6528 | 6296 | 7374 | 10075 | 10326 | 15366 | 15366 | 17217 | 21408 | 23777 | |
| PAD | Length | mm | 5000 | 5000 | 5200 | 6000 | 6700 | 6700 | 6700 | 7000 | 8000 | 8200 | |
| | Width | mm | 2400 | 2400 | 2400 | 2500 | 2500 | 3000 | 3000 | 3000 | 3200 | 3200 | |
| | Height | mm | 300 | 300 | 400 | 400 | 400 | 500 | 500 | 500 | 500 | 600 | |
| D.A | Radiator Air Flow | m³/min | 1416 | 1146 | 1290 | 1626 | 1362 | 1998 | 1998 | 1998 | 3002 | 3060 | |
| | Combustion Air Flow | m³/min | 68 | 76.3 | 80.5 | 110.5 | 124.7 | 175 | 175 | 183 | 224 | 270 | |
| | E.A (OUT - LET) | m³ | 3 | 2.4 | 2.7 | 3.4 | 2.8 | 4.2 | 4.2 | 4.2 | 6.3 | 6.4 | |
| | O.A (IN-LET) | m³ | 3.5 | 2.9 | 3.3 | 4.1 | 3.5 | 5.2 | 5.2 | 5.2 | 7.7 | 8.9 | |

※ The above specifications can be changed in accordance with on-site conditions.



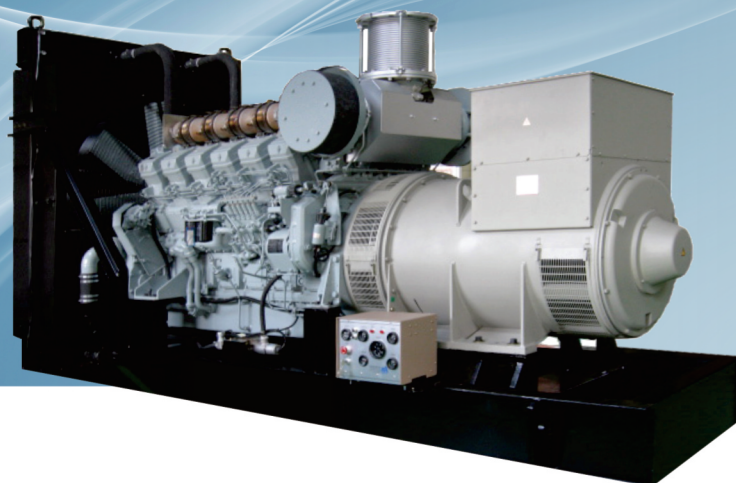
World top-rank in high efficiency of generator

SUNTECH SERIES 3

CATERPILLAR

| SET MODEL | | | SCA -800 | SCA -1000 | SCA -1100 | SCA -1250 | SCA -1400 | SCA -1500 | SCA -1750 | SCA -2000 | SCA -2250 | SCA -2500 | SCA -3000 | SCA -4000 |
|---------------------------|------------------------|--------------|--|--------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|----------------------------|--------------|
| GENERATOR | Stand-by Power (60/50) | kw | 800 | 1000 | 1100 | 1250 | 1400 | 1500 | 1750 | 2000 | 2250 | 2500 | 3000 | 4000 |
| | | kva | 1000 | 1250 | 1375 | 1562 | 1750 | 1875 | 2187 | 2500 | 2813 | 3125 | 3750 | 5000 |
| | Prime Power (60/50) | kw | 727 | 909 | 1000 | 1136 | 1273 | 1364 | 1591 | 1818 | 2045 | 2273 | 2727 | 3636 |
| | | kva | 909 | 1136 | 1250 | 1420 | 1591 | 1705 | 1989 | 2273 | 2557 | 2840 | 3409 | 4545 |
| | Frequency | Hz | 60 | | | | | | | | | | | |
| | RPM | RPM | 1800(60Hz) | | | | | | | | | | | |
| | Pole, Phase, Wire | | 4Pole 3Phase 4Wire | | | | | | | | | | | |
| | Insulation Class | | F,H CLASS | | | | | | | | | | | |
| | Power Factor | PF | 0.8 | | | | | | | | | | | |
| | Exciting System | | P.M.G - Permanent Magnet Generator | | | | | | | | | | | |
| | Bearing | | Single Ball Bearing or Double Ball Bearing | | | | | | | | | | | |
| | Voltage | V | 220/127,380/220,440/254,3300,6600 | | | | | | | | | | | |
| | ENGINE | Manufacturer | | CATERPILLAR | | | | | | | | | | |
| Model | | | 3412 | C32 | 3512 | 3512 | 3512B | 3512B | 3516 | 3516B | 3516B | 3516C | C175-16 | C175-20 |
| Stand-by Power(60/50) | | HP | 1180 | 1502 | 1603 | 1818 | 2032 | 2172 | 2520 | 2876 | 3286 | 3634 | 4423 | 5647 |
| Prime Power(60/50) | | HP | 1071 | 1341 | 1455 | 1662 | 1844 | 1971 | 2304 | 2628 | 2876 | 3308 | 4034 | 5136 |
| RPM | | RPM | 1800(60Hz) | | | | | | | | | | | |
| No. of Cylinder | | EA | 12 | 12 | 12 | 12 | 12 | 12 | 16 | 16 | 16 | 16 | 16 | 20 |
| Bore x Stroke | | mm | 137X152 | 145X162 | 170X190 | 170X190 | 170X190 | 170X190 | 170X190 | 170X190 | 170X190 | 170X215 | 175X220 | 175X220 |
| Displacement | | cc | 27000 | 32100 | 51800 | 51800 | 51800 | 51800 | 69000 | 69000 | 69000 | 78080 | 84670 | 105800 |
| Compression Ratio | | | 13.0:1 | 15.0:1 | 13.5:1 | 13.5:1 | 14.0:1 | 14.0:1 | 13.5:1 | 14.0:1 | 14.0:1 | 14.7:1 | 15.3:1 | 15.5:1 |
| Engine Type | | | Four stroke diesel internal combustion engine (Radiator & Heat Exchanger Cooling Type) | | | | | | | | | | | |
| Aspiration | | | Turbocharged | | Turbocharged & Aftercooled | | | | | | | Turboch -arged | Turbocharged & Aftercooled | |
| Starting System | | | Starting Electric Motor by Battery 24volt | | | | | | | | | | | |
| Governor | | L | Electronic Type | | | | | | | | | | | |
| Coolant Capacity (ENGINE) | | L | 59 | 55 | 157 | 157 | 157 | 157 | 233 | 233 | 233 | 233 | 303.5 | 440 |
| Coolant Capacity (SET) | | L | 149 | - | 287 | 287 | 322 | 322 | 398 | 421 | 405 | 504 | - | - |
| Lub.Oil Capacity | | L/Hr | 68 | 99 | 310 | 310 | 310 | 306 | 401 | 401 | 401 | 466 | 540 | 675 |
| Fuel Consumption | | mm | 221.8 | 262.7 | 305.4 | 354 | 376.6 | 404.2 | 470 | 513.8 | 593.9 | 656.8 | 806 | 1039 |
| DIM | Length | mm | 4485 | 4475 | 5138 | 5138 | 5241 | 5241 | 5815 | 6276 | 6527 | 6983 | 7802 | 6719 |
| | Width | mm | 1742 | 2011 | 1975 | 1975 | 2286 | 2286 | 2286 | 2588 | 2588 | 2570 | 2890 | 2377 |
| | Height | kg | 1987 | 2174 | 2368 | 2368 | 2342 | 2342 | 2368 | 3051 | 3051 | 3010 | 3410 | 2556 |
| | Weight | mm | 7200 | 10000 | 12000 | 13000 | 14500 | 14500 | 15500 | 17000 | 17500 | 19000 | 23000 | 23500 |
| PAD | Length | mm | 5000 | 5000 | 6000 | 6000 | 6000 | 6000 | 6700 | 7000 | 7200 | 7700 | 8500 | 9000 |
| | Width | mm | 2200 | 2500 | 2500 | 2500 | 2700 | 2700 | 2700 | 3000 | 3000 | 3000 | 3200 | 3500 |
| | Height | m³/min | 400 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 600 |
| D.A | Radiator Air Flow | m³/min | 1464 | 1126 | 1331 | 1614 | 1430 | 1543 | 1671 | 2011 | 2549 | 2800 | 2933 | - |
| | Combustion Air Flow | m³ | 69.6 | 82.6 | 92.3 | 106 | 124 | 128 | 156 | 171 | 186 | 198 | 264 | 338.3 |
| | E.A (OUT - LET) | m³ | 3.1 | 2.3 | 2.8 | 3.4 | 3 | 3.2 | 3.5 | 4.2 | 4.7 | 5.8 | 6.1 | - |
| | O.A (IN-LET) | | 3.7 | 2.9 | 3.4 | 4.1 | 3.7 | 4 | 4.4 | 5.2 | 6.5 | 7.1 | 7.6 | - |

※ The above specifications can be changed in accordance with on-site conditions.



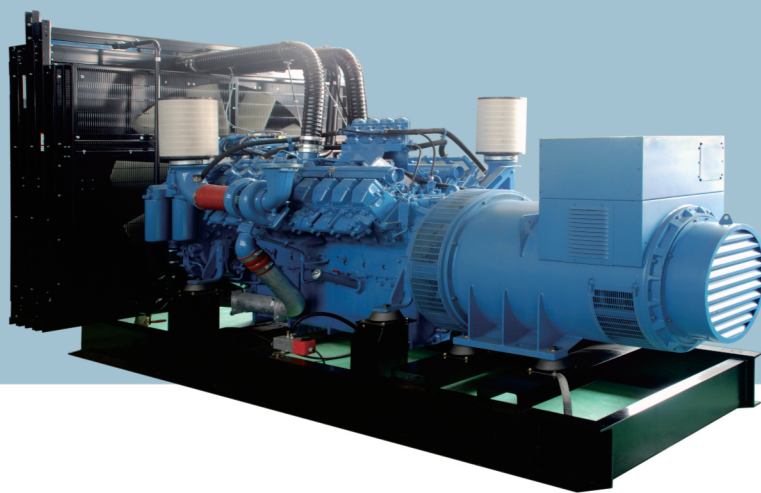
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SUNTECH SERIES 4

MITSUBISHI

| SET MODEL | | | SAS(SGA) -MI600 | SAS(SGA) -MI800 | SAS(SGA) -MI880 | SAS(SGA) -MI1000 | SAS(SGA) -MI1200 | SAS(SGA) -MI1320 | SAS(SGA) -MI1500 | SAS(SGA) -MI1600 | SAS(SGA) -MI1750 | SAS(SGA) -MI2000 |
|---------------------------|------------------------|--------------|--|-------------------------------|--------------------|---------------------|---------------------|---------------------|---------------------------------|----------------------------------|---------------------|---------------------------------|
| GENERATOR | Stand-by Power (60/50) | kw | 600/520 | 800/690 | 880/770 | 1000/900 | 1200/1118 | 1320/1200 | 1500/1400 | 1600/1495 | 1750/1590 | 2000/1750 |
| | | kva | 750/650 | 1000/862 | 1100/962.5 | 1250/1125 | 1500/1397.5 | 1650/1500 | 1875/1750 | 2000/1869 | 2187/1987 | 2500/2187 |
| | Prime Power (60/50) | kw | 545/470 | 727/620 | 800/697 | 909/820 | 1091/1015 | 1200/1095 | 1364/1250 | 1455/1365 | 1591/1490 | 1818/1600 |
| | | kva | 682/588 | 909/775 | 1000/871 | 1136/1025 | 1364/1269 | 1500/1369 | 1705/1562 | 1818/1706 | 1989/1862 | 2273/2000 |
| | Frequency | Hz | 60/50 | | | | | | | | | |
| | RPM | RPM | 1800(60Hz)/1500(50Hz) | | | | | | | | | |
| | Pole, Phase, Wire | | 4Pole 3Phase 4Wire | | | | | | | | | |
| | Insulation Class | | F,H CLASS | | | | | | | | | |
| | Power Factor | PF | 0.8 | | | | | | | | | |
| | Exciting System | | Brushless Self Exciting or P.M.G(Permanent Magnet Generator : SGA MODEL) | | | | | | | | | |
| | Bearing | | Single Ball Bearing | | | | | | | | | |
| | Voltage | V | 220/127,380/220,440/254,3300,6600 | | | | | | | | | |
| | ENGINE | Manufacturer | | MITSUBISHI / with FAN for PTA | | | | | | | | |
| Model | | | S6R-PTA | S12A2-PTA | S12A2-PTA2 | S12H-PTA | S12R-PTA | S12R-PTA2 | S12R-PTAA2 | S16R-PTA | S16R-PTA2 | S16R-PTAA2 |
| Stand-by Power(60/50) | | HP | 851/744 | 1146/970 | 1233/1096 | 1448/1314 | 1702/1595 | 1903/1723 | 2139/1882 | 2279/2131 | 2547/2359 | 2822/2540 |
| Prime Power(60/50) | | HP | 771/670 | 980/880 | 1118/994 | 1314/1193 | 1528/1448 | 1729/1562 | 1940/1711 | 2064/1944 | 2312/2145 | 2540/2258 |
| RPM | | RPM | 1800(60Hz)/1500(50Hz) | | | | | | | | | |
| No. of Cylinder | | EA | 6 | 12 | 12 | 12 | 12 | 12 | 16 | 16 | 16 | 16 |
| Bore x Stroke | | mm | 170X180 | 150X160 | 150X160 | 150X175 | 170X180 | 170X180 | 170X180 | 170X180 | 170X180 | 170X180 |
| Displacement | | cc | 24510 | 33930 | 33930 | 37110 | 49030 | 49030 | 65370 | 65370 | 65370 | 65370 |
| Compression Ratio | | | 14.0:1 | 14.5:1 | 15.3:1 | 14.0:1 | 14.0:1 | 13.5:1 | 13.5:1 | 14.0:1 | 13.5:1 | 14.0:1 |
| Engine Type | | | Four stroke diesel internal combustion engine (Radiator & Heat Exchanger Cooling Type) | | | | | | | | | |
| Aspiration | | | Turbocharged with Aftercooler | | | | | | Turbocharged with air-to-air | Turbocharged with Aftercooler | | Turbocharged with air-to-air |
| Starting System | | | Starting Electric Motor by Battery 24volt | | | | | | | | | |
| Governor | | | Electronic Type | | | | | | | | | |
| Coolant Capacity (ENGINE) | | L | 50 | 100 | 100 | 100 | 125 | 125 | 125 | 170 | 170 | 170 |
| Coolant Capacity (SET) | | L | 120 | 215 | 235 | 285 | 305 | 305 | 327 | 350 | 445 | 413 |
| Lub.Oil Capacity | | L | 100 | 120 | 120 | 200 | 180 | 180 | 180 | 230 | 230 | 230 |
| Fuel Consumption | | L/Hr | 172.2 | 222/182 | 256.9 | 265/238 | 305 | 358/287 | 404 | 408/363 | 479/438 | 521/403 |
| DIM | Length | mm | 3500 | 3800 | 3900 | 4175 | 4600 | 4600 | 4600 | 5200 | 5430 | 5600 |
| | Width | mm | 1600 | 1600 | 1650 | 1650 | 1840 | 1840 | 2200 | 1840 | 2700 | 2400 |
| | Height | mm | 1990 | 1990 | 1990 | 2350 | 2780 | 2780 | 2980 | 2730 | 2900 | 3330 |
| | Weight | kg | 5000 | 6400 | 7000 | 8200 | 10400 | 11000 | 11750 | 11800 | 13200 | 13800 |
| PAD | Length | mm | 4200 | 4500 | 4500 | 5000 | 5200 | 5200 | 5200 | 6000 | 6000 | 6500 |
| | Width | mm | 2000 | 2000 | 2000 | 2200 | 2400 | 2400 | 3000 | 2400 | 3000 | 3000 |
| | Height | mm | 400 | 400 | 500 | 500 | 500 | 500 | 500 | 500 | 400 | 400 |
| D.A | Radiator Air Flow | m³/min | 720 | 1100 | 1380 | 1800 | 1800 | 1800 | 1850 | 1950 | 2040 | 2500 |
| | Combustion Air Flow | m³/min | 54 | 78 | 85 | 93 | 109 | 121 | 148 | 141 | 160 | 182 |
| | E.A (OUT - LET) | m³ | 1.3 | 2 | 2.6 | 3.3 | 3.3 | 3.3 | 3.4 | 3.6 | 3.8 | 4.6 |
| | O.A (IN-LET) | m³ | 1.6 | 2.5 | 3.1 | 3.9 | 4 | 4.1 | 4.2 | 4.3 | 4.6 | 5.6 |

※ The above specifications can be changed in accordance with on-site conditions.



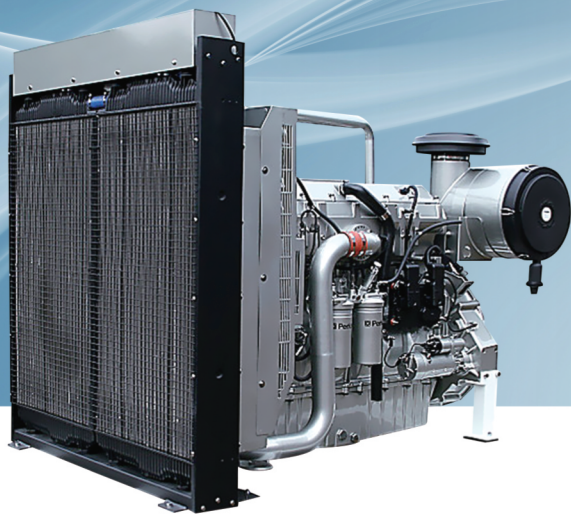
World top-rank in high efficiency of generator

SUNTECH SERIES 5

MTU

| SET MODEL | | | SAS(SGA) -M900 | SAS(SGA) -M1000 | SAS(SGA) -M1200 | SAS(SGA) -M1600 | SAS(SGA) -M1750 | SAS(SGA) -M2100 | SAS(SGA) -M2300 | SAS(SGA) -M2500 | SAS(SGA) -M2750 | SAS(SGA) -M3250 |
|-----------|---------------------------|---------------------|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| GENERATOR | Stand-by Power (60/50) | kw | 900/800 | 1000/870 | 1200/980 | 1600/1450 | 1750/1600 | 2100/1800 | 2300/2000 | 2500/2250 | 2750/2500 | 3250/2650 |
| | | kva | 1125/1000 | 1250/1088 | 1500/1225 | 2000/1813 | 2188/2000 | 2625/2250 | 2875/2500 | 3125/2813 | 3438/3125 | 4063/3313 |
| | Prime Power (60/50) | kw | 818/727 | 909/800 | 1090/890 | 1455/1320 | 1591/1430 | 1909/1650 | 2091/1820 | 2273/2030 | 2500/2220 | 2955/2420 |
| | | kva | 1023/909 | 1136/1000 | 1363/1113 | 1818/1650 | 1989/1788 | 2386/2063 | 2614/2275 | 2841/2538 | 3125/2775 | 3693/3025 |
| | Frequency | Hz | 60/50 | | | | | | | | | |
| | RPM | RPM | 1800(60Hz)/1500(50Hz) | | | | | | | | | |
| | Pole, Phase, Wire | | 4Pole 3Phase 4Wire | | | | | | | | | |
| | Insulation Class | | F,H CLASS | | | | | | | | | |
| | Power Factor | PF | 0.8 | | | | | | | | | |
| | Exciting System | | Brushless Self Exciting or P.M.G(Permanent Magnet Generator : SGA MODEL) | | | | | | | | | |
| | Bearing | | Single Ball Bearing or Double Ball Bearing | | | | | | | | | |
| | Voltage | V | 220/127,380/220,440/254,3300,6600 | | | | | | | | | |
| ENGINE | Manufacturer | | MTU | | | | | | | | | |
| | Model | | 16V2000 G45/25 | 16V2000 G85/65 | 18V2000 G85/65 | 12V4000 G43/23 | 12V4000 G83/63 | 16V4000 G43/23 | 16V4000 G83/63 | 20V4000 G43/23 | 20V4000 G83/63 | 20V4000 G83/63L |
| | Stand-by Power(60/50) | HP | 1354/1194 | 1495/1307 | 1757/1475 | 2328/2112 | 2561/2347 | 3058/2635 | 3353/2930 | 3674/3245 | 4036/3580 | 4680/3822 |
| | Prime Power(60/50) | HP | 1227/1086 | 1354/1194 | 1597/1341 | 2038/1904 | 2328/2112 | 2709/2411 | 3058/2635 | 3339/2950 | 3674/3245 | 4036/3473 |
| | RPM | RPM | 1800(60Hz)/1500(50Hz) | | | | | | | | | |
| | No. of Cylinder | EA | 16 | 16 | 18 | 12 | 12 | 16 | 16 | 20 | 20 | 20 |
| | Bore x Stroke | mm | 130X150 | 130X150 | 130X150 | 170X210 | 170X210 | 170X210 | 170X210 | 170X210 | 170X210 | 170X210 |
| | Displacement | cc | 31800 | 31800 | 35800 | 57200 | 57200 | 76300 | 76300 | 95400 | 95400 | 95400 |
| | Compression Ratio | | 14.0:1 | 14.0:1 | 14.0:1 | 16.5:1 | 16.5:1 | 16.5:1 | 16.5:1 | 16.5:1 | 16.5:1 | 16.5:1 |
| | Engine Type | | Four stroke diesel internal combustion engine (Radiator & Heat Exchanger Cooling Type) | | | | | | | | | |
| | Aspiration | | Turbocharged with Aftercooler | | | | | | | | | |
| | Starting System | | Starting Electric Motor by Battery 24volt | | | | | | | | | |
| | Governor | | Electronic Type | | | | | | | | | |
| | Coolant Capacity (ENGINE) | L | 212 | 212 | 209 | 436 | 436 | 635 | 635 | 735 | 735 | 1010 |
| | Coolant Capacity (SET) | L | 102 | 102 | 130 | 260 | 260 | 300 | 300 | 390 | 390 | 390 |
| | Fuel Consumption | L/Hr | 240/207 | 265/227 | 314/260 | 404/349 | 459/402 | 537/436 | 609/484 | 619/538 | 701/598 | 878/643 |
| DIM | Length | mm | 4230 | 4230 | 4600 | 6400 | 6400 | 7300 | 7300 | 7900 | 7900 | 9100 |
| | Width | mm | 1900 | 1900 | 2130 | 2150 | 2150 | 2377 | 2377 | 2370 | 2370 | 2370 |
| | Height | mm | 2300 | 2300 | 2400 | 2450 | 2450 | 3280 | 3280 | 3280 | 3280 | 3280 |
| | Weight | kg | 6890 | 6990 | 8060 | 11300 | 11300 | 15183 | 15433 | 16182 | 16182 | 20673 |
| PAD | Length | mm | 5000 | 5000 | 5500 | 6500 | 7000 | 8000 | 8000 | 8500 | 8500 | 10000 |
| | Width | mm | 2500 | 2500 | 2500 | 2700 | 2700 | 2700 | 2700 | 3000 | 3000 | 3000 |
| | Height | mm | 300 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 |
| D.A | Radiator Air Flow | m ³ /min | 1476 | 1476 | 1716 | 1598 | 1850 | 2141 | 2522 | 2591 | 3643 | 4079 |
| | Combustion Air Flow | m ³ /min | 84 | 87 | 108 | 138 | 144 | 186 | 192 | 228 | 246 | 270 |
| | E.A (OUT - LET) | m ³ | 3.1 | 3.1 | 3.6 | 3.3 | 3.9 | 4.5 | 5.3 | 5.4 | 6.7 | 7.6 |
| | O.A (IN-LET) | m ³ | 3.7 | 3.7 | 4.4 | 4.1 | 4.7 | 5.5 | 6.5 | 6.2 | 8.1 | 9.1 |

※ The above specifications can be changed in accordance with on-site conditions.



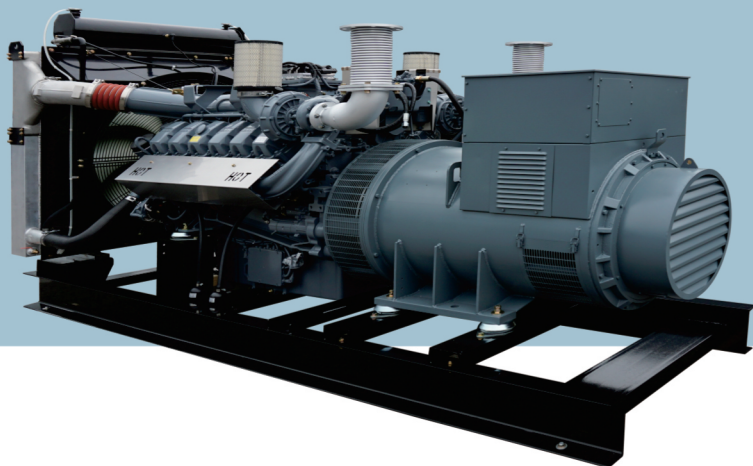
World top-rank in high efficiency of generator

SUNTECH SERIES 6

PERKINS

| SET MODEL | | | SAS(SGA) -P780 | SAS(SGA) -P875 | SAS(SGA) -P1100 | SAS(SGA) -P1200 | SAS(SGA) -P1280 | SAS(SGA) -P1330 | SAS(SGA) -P1500 | |
|---------------------------|------------------------|--------------|--|-------------------|---------------------|--------------------|--------------------|---------------------|--------------------|--------------|
| GENERATOR | Stand-by Power (60/50) | kw | 780 | 875 | 1100 | 1200 | 1280 | 1330 | 1500 | |
| | | kva | 975 | 1094 | 1375 | 1500 | 1600 | 1663 | 1875 | |
| | Prime Power (60/50) | kw | 709 | 796 | 1001 | 1091 | 1164 | 1209 | 1364 | |
| | | kva | 886 | 995 | 1251 | 1364 | 1455 | 1511 | 1705 | |
| | Frequency | Hz | 60 | | | | | | | |
| | RPM | RPM | 1800(60Hz) | | | | | | | |
| | Pole, Phase, Wire | | 4Pole 3Phase 4Wire | | | | | | | |
| | Insulation Class | | F,H CLASS | | | | | | | |
| | Power Factor | PF | 0.8 | | | | | | | |
| | Exciting System | | Brushless Self Exciting or PM.G(Permanent Magnet Generator : SGA MODEL) | | | | | | | |
| | Bearing | | Single Ball Bearing | | | | | | | |
| | Voltage | V | 220/127,380/220,440/254,3300,6600 | | | | | | | |
| | ENGINE | Manufacturer | | PERKINS | | | | | | |
| | | Model | | 4008TAG1 | 4008TAG2 | 4012-46TWG2A | 4012-46TWG3A | 4012-46TWG4A | 4012-46TAG2A | 4012-46TAG3A |
| Stand-by Power(60/50) | | HP | 1176 | 1314 | 1631 | 1761 | 1871 | 1956 | 2202 | |
| Prime Power(60/50) | | HP | 1072 | 1198 | 1483 | 1609 | 1753 | 1784 | 2011 | |
| RPM | | RPM | 1800 RPM | | | | | | | |
| No. of Cylinder | | EA | 8 | 8 | 12 | 12 | 12 | 12 | 12 | |
| Bore x Stroke | | mm | 160X190 | 160X190 | 160X190 | 160X190 | 160X190 | 160X190 | 160X190 | |
| Displacement | | cc | 30,561 | 30,561 | 45,842 | 45,842 | 45,842 | 45,842 | 45,842 | |
| Compression Ratio | | | 13.6:1 | 13.6:1 | 13.6:1 | 13.6:1 | 13.1:1 | 13.6:1 | 13.6:1 | |
| Engine Type | | | Four stroke diesel internal combustion engine (Radiator & Heat Exchanger Cooling Type) | | | | | | | |
| Aspiration | | | Turbocharged, ATAAC | | Turbocharged, ATWAC | | | Turbocharged, ATAAC | | |
| Starting System | | | Electric Motor by battery 24volt | | | | | | | |
| Governor | | | Electronic Type | | | | | | | |
| Coolant Capacity (ENGINE) | | L | - | - | - | - | - | - | - | |
| Coolant Capacity (SET) | | L | 162.0 | 162.0 | 201.0 | 201.0 | 201.0 | 210.0 | 209.0 | |
| Lub.Oil Capacity | | L | 165.6 | 165.6 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | |
| Fuel Consumption | | L/Hr | 212.0 | 216.0 | 298.0 | 325.0 | 355.0 | 251.0 | 300.0 | |
| DIM | | Length | mm | 4500 | 4500 | 4500 | 4700 | 4700 | 4900 | 5000 |
| | Width | mm | 1790 | 1790 | 1790 | 1790 | 1990 | 1790 | 2200 | |
| | Height | mm | 2354 | 2354 | 2354 | 2425 | 2382 | 2390 | 2459 | |
| | Weight | kg | 6600 | 6700 | 8340 | 8940 | 9030 | 9670 | 10290 | |
| PAD | Length | mm | 5200 | 5200 | 5200 | 5500 | 5500 | 5700 | 6000 | |
| | Width | mm | 2200 | 2200 | 2200 | 2200 | 2500 | 2500 | 2700 | |
| | Height | mm | 300 | 300 | 400 | 400 | 400 | 400 | 500 | |
| D.A | Radiator Air Flow | m³/min | 1215 | 1228 | 1328 | 1375 | 1535 | 1684 | 1784 | |
| | Combustion Air Flow | m³/min | 70 | 75 | 114 | 116 | 122 | 133 | 145 | |
| | E.A (OUT - LET) | m³ | 2.5 | 2.6 | 2.8 | 2.9 | 3.2 | 3.5 | 3.7 | |
| | O.A (IN-LET) | m³ | 3.1 | 3.1 | 3.4 | 3.6 | 3.9 | 4.3 | 4.6 | |

※ The above specifications can be changed in accordance with on-site conditions.



World top-rank in high efficiency of generator

SUNTECH SERIES 7

MAN

| SET MODEL | | | SAS(SGA) -MAN360 | SAS(SGA) -MAN375 | SAS(SGA) -MAN455 | SAS(SGA) -MAN480 | SAS(SGA) -MAN525 | SAS(SGA) -MAN595 | SAS(SGA) -MAN650 | SAS(SGA) -MAN730 | SAS(SGA) -MAN1000 |
|-----------|------------------------|------|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| GENERATOR | Stand-by Power (60/50) | kw | 360/330 | 375/405 | 455/410 | 480/450 | 525/500 | 595/555 | 650/580 | 730/640 | 1000/800 |
| | | kva | 450/410 | 570/510 | 470/510 | 600/560 | 656/630 | 744/700 | 813/730 | 913/810 | 1250/1000 |
| | Prime Power (60/50) | kw | 327/255 | 414/300 | 341/330 | 436/365 | 477/410 | 541/450 | 591/495 | 664/540 | 909/630 |
| | | kva | 409/310 | 517/400 | 426/410 | 545/450 | 597/520 | 676/570 | 739/630 | 830/680 | 1136/800 |
| | Voltage | V | 220/127, 380/220, 440/254, 3300, 6600 | | | | | | | | |
| | Frequency | Hz | 60/50 | | | | | | | | |
| | Revolution | RPM | 1800/1500 | | | | | | | | |
| | Phase/Wire | | 1φ 2W, 1φ 3W, 3φ 3W, 3φ 4W | | | | | | | | |
| | Power Factor | % | 80 (Lagging) | | | | | | | | |
| | Excitation | | Brushless Self Exciting or P.M.G(Permanent Magnet Generator : SGA MODEL) | | | | | | | | |
| | Bearing | | Single or Double Ball Bearing | | | | | | | | |
| | Insulation Class | | F or H | | | | | | | | |
| ENGINE | Manufacturer | | MAN | | | | | | | | |
| | Model | | D2866 LE201/3 | D2876 LE201/3 | D2676 LE221/3 | D2848 LE211/3 | D2840 LE201/3 | D2840 LE211/3 | D2842 LE201/3 | D2842 LE211/3 | D2862 LE221/3 |
| | Stand-by Power(60/50) | HP | 545/490 | 690/615 | 565/600 | 730/670 | 795/740 | 900/830 | 975/860 | 1085/955 | 1520/1195 |
| | Prime Power(60/50) | HP | 435/380 | 550/455 | 510/490 | 625/550 | 700/610 | 765/670 | 840/735 | 945/800 | 1090/950 |
| | Revolution | RPM | 1800/1500 | | | | | | | | |
| | No. of Cylinder | | L-6 | L-6 | L-6 | V-8 | V-10 | V-10 | V-12 | V-12 | V-12 |
| | Bore X Stroke | mm | 128X155 | 128X166 | 126X166 | 128X142 | 128X142 | 128X142 | 128X142 | 128X142 | 128X157 |
| | Displacement | L | 11.96 | 12.82 | 12.42 | 14.62 | 18.27 | 18.27 | 21.92 | 21.92 | 24.24 |
| | Compression Ratio | | 15.5:1 | 15.5:1 | 15.5:1 | 15.5:1 | 15.5:1 | 15.5:1 | 15.5:1 | 15.5:1 | 17.0:1 |
| | Engine Type | | 4 Cycle Water-cooled | | | | | | | | |
| | Aspiration | | Turbocharged with Aftercooler | | | | | | | | |
| | Starting System | | Starting Electric Motor by Battery, 24volt | | | | | | | | |
| | Governor | | Electronic Type | | | | | | | | |
| | Fuel Consumption | L/Hr | 82/74 | 109/97 | 85/89 | 122/113 | 124/116 | 139/129 | 151/134 | 169/148 | 219/173 |
| | Coolant Capacity | L | 48.5 | 48.3 | 61.8 | 85 | 86 | 86 | 98 | 98 | 102 |
| | Lub. Oil Capacity | L | 40 | 40 | 40 | 18 | 30 | 30 | 32 | 32 | 102 |
| DIM | Length | mm | | | | | | | | | |
| | Width | mm | | | | | | | | | |
| | Height | mm | | | | | | | | | |
| | Weight | kg | | | | | | | | | |
| D.A | Radiator Air Flow | m³ | 550 | 396 | 333.5 | 800 | 783 | 775 | 850 | 767 | 983.3 |
| | Combustion Air Flow | m³ | 27.8 | 31 | 31 | 40 | 43 | 51 | 48.3 | 57 | 61 |
| | E.A (OUT-LET) | m³ | | | | | | | | | |
| | O.A (IN-LET) | m³ | | | | | | | | | |

※ The above specifications can be changed in accordance with on-site conditions.

SUNTECH's Standard Flue Duct and Vibration Isolation Spring Standards

(It can vary by each engine company)

| Model(kW) | Generator flue duct / Size | | Vibration isolation spring standards | | Starting battery standards |
|-----------|----------------------------|------|--------------------------------------|-------|-----------------------------|
| 3,000kW | 20" | 500A | 2000kg | 16 EA | "24V 1200AH(12V 200AH 6EA)" |
| 2,500kW | 20" | 500A | 2000kg | 14 EA | |
| 2,250kW | 16" | 400A | 2000kg | 12 EA | "24V 800AH(12V 200AH 4EA)" |
| 2,000kW | 16" | 400A | 2000kg | 12 EA | |
| 1,750kW | 16" | 400A | 2000kg | 12 EA | |
| 1,500kW | 14" | 350A | 2000kg | 10 EA | |
| 1,250kW | 12" | 300A | 1500kg | 10 EA | |
| 1,000kW | 10" | 250A | 1000kg | 10 EA | |
| 900kW | 10" | 250A | 1000kg | 10 EA | |
| 750kW | 8" | 200A | 750kg | 10 EA | "24V 400AH(12V 200AH 2EA)" |
| 650kW | 8" | 200A | 750kg | 10 EA | |
| 500kW | 6" | 150A | 500kg | 10 EA | |
| 400kW | 6" | 150A | 500kg | 10 EA | |
| 300kW | 5" | 125A | 500kg | 6 EA | "24V 300AH(12V 150AH 2EA)" |
| 200kW | 4" | 100A | 500kg | 6 EA | |
| 100kW | 3" | 75A | 500kg | 6 EA | |

Application Guideline

| Ratings are in accordance with (ISO8528, ISO3046/1, AS2789, DIN6271 & BS5514) | |
|---|--|
| Standby-Power | Restricted short period of time during power outages and load fluctuations can withstand a wide range of output. With in 200 hours driving time per year is limited. |
| Prime-Power | Prime power output is used instead of the Prime-power supply, and the power is applied under 70% of the normal. It allows overloading about for 1 hour per every 12 hours. (When more than 750 hours per year is needed to drive, the continuous power must be applied.) |
| Continuous | Continuous output has no limit of driving time and is applied to use continuously under(Base Load) 100% of load. This output ratings do not apply any overolad capacity, but are applied to drive of the base power. |



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