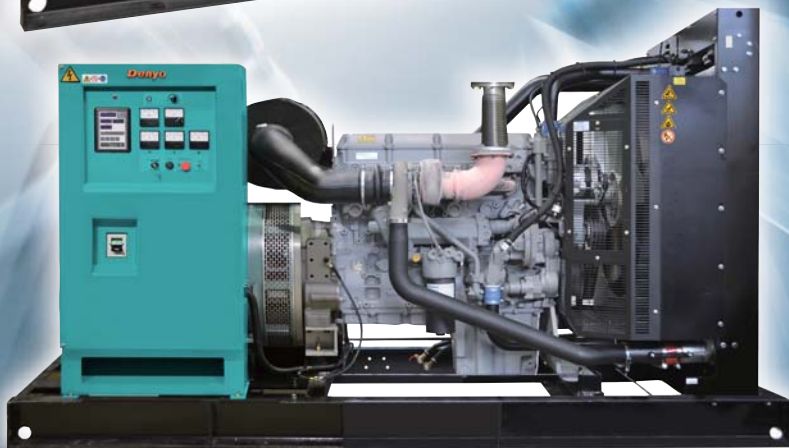


DIESEL ENGINE DRIVEN GENERATING SET

DCA-P Series



DCA-800P



DCA-400P

■ **Voltage Regulation Within $\pm 0.5\%$ ***

Denyo's original high-performance Automatic Voltage Regulator (AVR) maintains superb stability output by keeping voltage regulation within $\pm 0.5\%$. (*DCA-400P is $\pm 1.0\%$)

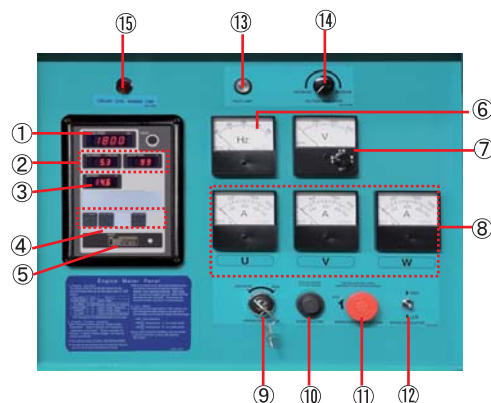
■ **Alternator designed and made by Denyo, makes denyo's best generator**

Denyo Generators are produced in our own premises; from designing and manufacturing the parts (except engine) up to the final assembly and control. Therefore we are able to respond quickly to the needs of our customers even for custom-made devices with short delivery times.

■ **Quality and Endurance for commercial use**

Because of its reinforced damper coils, the generator has little output waveform distortion and large negative phase sequence current capability even on the rectifier load. With small variations in voltage,, this product can be used to supply power to a wide variety of equipment including inverters, thyristors, computers, lighting systems at event sites, precision equipment, and measuring instruments.

User Friendly Control Panel



DCA-P Series are fully appointed advanced control panel. It offers high quality basic functions, allowing easy and reliable operation of your generating set.

- | | | |
|--|--|------------------------------|
| ① Engine speed indicator | ⑥ Frequency meter | ⑪ Emergency Stop Button |
| ② Oil pressure, water temp. indicator | ⑦ Volt meter (with change-over switch) | ⑫ Speed Regulator * |
| ③ Battery charging voltage | ⑧ AC Ammeter (U, V, W) | ⑬ Pilot Lamp |
| ④ Warning lamp (Oil Pressure, Water temperature, Over Speed) | ⑨ Operation Switch | ⑭ Voltage Regulator |
| ⑤ Integrating time meter | ⑩ Starter Button | ⑮ Coolant level warning lamp |

* DCA-800P is available as option.

Specifications

| Model | DCA-400P | DCA-600P | DCA-800P |
|-------|----------|----------|----------|
|-------|----------|----------|----------|

AC Generator

| | | | | | | | |
|-------------------------------|------------|--------------------------------------|---------|-------------|---------|---------|---------|
| Frequency Hz | | 50 | 60 | 50 | 60 | 50 | 60 |
| Output Rating kVA | Continuous | 350 | 400 | 550 | 600 | 700 | 800 |
| | Standby | 385 | 440 | 605 | 660 | 770 | 880 |
| No. of Phases | | 3-Phase,4-Wire | | | | | |
| No. of Pole | | 4 | | | | | |
| Rated Voltage(Dual Voltage) V | | 190~220 | 190~240 | 190~220 | 190~240 | 190~220 | 190~240 |
| | | 380~440 | 380~480 | 380~440 | 380~480 | 380~440 | 380~480 |
| Power Factor(lagging) | | 0.8 | | | | | |
| Voltage Regulation % | | Within ±1.0 | | Within ±0.5 | | | |
| Excitation | | Brushless ,rotating exciter with AVR | | | | | |
| Insulation | | Class F | | | | | |

Diesel Engine

| | | | | | | | |
|----------------------------------|----------------------|---|----------|---------------|----------|---------------|----------|
| Model | | Perkins 2206C | | Perkins 2806A | | Perkins 4006A | |
| Type | | Inlined, Direct Injected, Turbocharged, Aftercooled | | | | | |
| Output Rating | PS/rpm | 414/1500 | 474/1800 | 709/1500 | 738/1800 | 859/1500 | 971/1800 |
| | kW/min ⁻¹ | 305/1500 | 349/1800 | 522/1500 | 543/1800 | 632/1500 | 714/1800 |
| No. of Cylinders-Bore ×Stroke mm | | 6-130×157 | | 6-145×183 | | 6-160×190 | |
| Displacement L | | 12.5 | | 18.13 | | 22.9 | |
| Fuel | | Diesel Fuel (ASTM No.2 or equivalent) | | | | | |
| Fuel Tank Capacity L | | 490 (Option) | | | | | |
| Lube Oil Capacity L | | 40 | | 62 | | 113.4 | |
| Coolant Capacity | | 51.4 | | 61.0 | | 105.0 | |
| Battery × Quantity | | 210H52 × 2 (Option) | | | | | |

Unit

| | | | | | |
|------------|---------|----|------------|------------|------------|
| Dimensions | Length | mm | 3250 | 3630 | 4350 |
| | Width * | mm | 1450(1650) | 1725(1925) | 1950(2150) |
| | Height | mm | 1890 | 1980 | 2143 |
| Dry Weight | kg | | 3130 | 4790 | 6205 |

* () indicates with lifting part.

Ambient Conditions

The generating set should meet the following conditions:

- ① Ambient temperature : **DCA-400P** : -5°C or higher, 50°C or lower
DCA-600P : -5°C or higher, 45°C or lower
DCA-800P : 10°C or higher, 45°C or lower
- ② Altitude : Up to 1000m above sea level
- ③ Relative humidity : 85% or lower

- In line with our policy of continuous development, we reserve the right to change specification without notice.
- Always follow the Operation Manual when storing, transporting, and operating the machine.

Options



- Fuel Tank: 490L
- Battery
- Exhaust pipe
- Muffler

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Denyo

The Denyo trademark is widely recognized as a brand, and is a registered trademark in 90 countries around the world.