

Soundproof Diesel Engine DCA 400SPKII



SPECIFICATIONS

| | | | |
|--------------|---------------------|--|--|
| MODEL | DCA-400SPKII | | |
|--------------|---------------------|--|--|

Alternator

| | | | |
|--------------------|--|--------------------|-----|
| Frequency | Hz | 50 | 60 |
| Rated Output (kVA) | Continuous | 350 | 400 |
| | Standby | 385 | 440 |
| Rated Voltage (V) | ②Dual Voltage | | |
| | 190-220V, 380-440V | 190-240V, 380-480V | |
| Power Factor | | 0.8 | |
| No. of Phase | 3 Phase, 4 wire | | |
| Exciting system | Brushless, Rotating Exciter (with A.V.R) | | |

Diesel Engine

| | | | |
|-------------------------|---|--------------|--|
| Manufacturer & Model | Komatsu SA6D140-A | | |
| Type | In lined, Direct Injected, Turbocharged, After cooled | | |
| Bore x stroke | 6-140x165 | | |
| Displacement | 15.240 | | |
| Rated Output (kw/min-1) | 232/1500 rpm | 257/1800 rpm | |
| Fuel | ASTM No. 2 Diesel Fuel or Equivalent | | |
| Fuel Tank Capacity (L) | 490 | | |
| Fuel Consumption (L/H) | 52.1 | 60.8 | |
| Battery | 190H52x2 or 210H52x2 | | |

Dimensions and Weight

| | |
|-----------------|------|
| Length (mm) | 4200 |
| Width (mm) | 1400 |
| Height (mm) | 2100 |
| Dry Weight (kg) | 5420 |

Sound Level

| | | |
|---|----|----|
| 7m dB (A) 1500/1800rpm (min ⁻¹) | 67 | 68 |
|---|----|----|

*1 Rated Voltage Classification

| | | |
|-----------|----------|----------|
| Frequency | 50Hz | 60Hz |
| ② | 190-220V | 190-240V |
| | 380-440V | 380-480V |

() indicates options

*2 Fuel Consumption is based on operation at 75%

*3 Sound level reflects high-speed operation and is calculated by averaging the measurements at four points, each 7 meters from the source

*4 Depending on location and area, output voltage may differ from values listed in catalog

The specifications given herein are subject to change without notice.

PERFORMANCE FEATURES

HIGH PERFORMANCE

The Denyo generating systems guarantees the following levels of performance:

TEMPERATURE: 100°C
temperature rise at 40°C ambient
(JEC2130)

VOLTAGE REGULATION: Within
±0.5% (except DCA 400SP)

FREQUENCY REGULATION:
Within 5.0% through no load to
full-load.

INSULATION RESISTANCE

-Higher than 3 Mega-ohms,
measured between armature
windings and earth, field windings
and earth, field control circuit and
earth.

- The innovative excitation
system* fitted on all models, in
conjunction with the AVR and
advanced brushless generator,
provides fast voltage regulation in
response to load variations,
enabling use soon after start up.
This system provides output
stability during load variations.

- Synchronous brushless
alternator for minimal wear.

-Designed to function in all
climatic conditions.

-Will safely power the most
sensitive loads, such as thyristors,
invertors and computer systems,
without the risk of damage to
these loads, thanks to the high
level electrical characteristics of
the generator's output.

ECONOMICAL PERFORMANCE

-Easy starting and quick response.

-Utilizing highly reliable diesel
engines with low fuel
consumption, manufactured by
Japan's leading engine
manufacturers.

-Uninterrupted generator
operation for up to 12 hours
under 75% load.

UNSURPASSED FLEXIBILITY

To meet today's varying needs
successfully, your equipment
must be as flexible as you are.
The Denyo DCA Series generator
range provides you with the
flexibility to get the job done
simply and economically, without
any delays.

TRUE HEAVY-DUTY PERFORMANCE

For a particular job, you may
need that extra power from
generator. With the DCA Series,
the standby power rating (110%
or 105% load except DCA-
610SPM) can be used
continuously for 1 hour in every 8
hours of continuous operation.
This extra power performance of
Denyo generators means you can
get the job done, without the
inconvenience of using another
generator.

PARALLEL OPERATION FEATURE

time to time, at a construction
site, mine site or in other
situations, large temporary power
supply is required for a particular

job. To meet this requirement
Denyo's DCA Series generators
incorporate a built-in parallel
operation drive system, allowing
plant on-site, without the need to
procure any other equipment.

DUAL VOLTAGE

For companies that operate
internationally or have motors
that require power at different
voltages, a different generator is
usually required for each voltage
setting. However, the DCA Series
generators are equipped with a
dual voltage system, so one
generator can be used to power
motors with different voltage
settings. An extremely convenient
feature.

ALL MODELS CAN RUN AT 50Hz/60Hz

Simply adjust the engine speed
on the control panel to use a DCA
Series generator at either 50Hz or
60Hz.

EXTREMELY QUIET OPERATION

In urban areas and at the
worksite, there is an ever
increasing demand for reduced
noise pollution. In response to
these concerns, Denyo has
pioneered and a soundproof and
super soundproof range of
generators. The DCA Series
generators are extremely quiet
when operating at full load, even
though all soundproof models are
compactly designed. Check the
specifications for the sound level
of each model.