



# KERR'S HIRE

If we haven't got it, We will find it!

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## HELPFUL HINTS

### Generators and Lighting

Welcome to Kerr's Hire Helpful Hints. The aim of this information sheet is to answer FAQ's and provide a better understanding of Kerr's large range of equipment available for hire.

When planning an event or festival or requiring power to operate machinery, many factors need to be considered. Quantity and quality of power is a major factor and also the environment where the power is required. Below is a list of generators and lighting available as well as specifications on the equipment available at Kerr's Hire.

#### Generator Calculations:

**KVA** : Kilo Volt Amperes

A power factor (PF) relates to all generators depending on the type of generator either condenser, AVR & Inverter.

**Real Power(kW) = Apparent Power (KVA) x Power factor** or **Apparent Power (KVA) = Real Power (kW) ÷ Power factor**

Eg. Condenser Type Generator with a power factor of 0.8.

8 KVA x 0.8 = 6.4 kW (Real Power)

(Remember equipment with electric motors require 3 times the running wattage to start)

#### Non-silenced Petrol type Generators:

These generators are condenser type generators that are used to power electrical tools, electric motors & air compressors. They can produce power fluctuations and are not good for use on sensitive equipment.



**Petrol generators available in sizes 3, 5 & 8 KVA.**

#### Generators available:

Size (KVA)	PF	Watts (W)	Max Amps (A)	Voltage (V)	Outlets
3 KVA	0.8	2400 W	10 A	240 v	2 x 10A 240v
5 KVA	0.8	4000 W	15 A	240 v	1 x 15A 240v 1 x 10A 240v
8 KVA	0.8	6400 W	26 A	240 v	2 x 15A 240v



**4.3 KVA silenced Inverter Petrol Generator**

**Silenced Petrol type Generators:**  
These generators are inverter type generators that are used to power all electrical tools, as well as sensitive equipment Eg. P.A. Systems, Audio & Computer equipment. They are great to take camping or for small functions to run audio & computer equipment.

#### Generators Available:

Size (KVA)	PF	Watts (W)	Max Amps (A)	Voltage (V)	Outlets
1.7 Kva Silenced	1	1700W	7 A	240 v	2 x 10A 240v
4.3 Kva Silenced	1	3800W	15 A	240 v	2 x 10A 240v

#### Silenced Diesel type Generators:

These generators are AVR type generators that can power all electrical tools, as well as sensitive equipment Eg. P.A. Systems, Audio & Computer equipment, Fridges & Catering equipment.



**80 KVA silenced AVR Generator**

#### Generators Available

Size (KVA)	PF	Watts (kW)	Max Amps (A)	Voltage (V)	Outlets
10 KVA Towable	0.8	8 kW	33 A @ 240v 10 A @ 415v	240/415v	2 x 15A 240v 1 x 10A 415v
15 KVA Towable	0.8	12 kW	50 A @ 240v 28 A @ 415v	240/415v	3 x 15A 240v 1 x 20A 415v
30 KVA Towable	0.8	24 kW	100 A @ 240v 57A @ 415v	240/415v	3 x 15A 240v 1 x 10A 240v 1 x 50A 415v
80 KVA Tilt Tray Only	0.8	64 kW	198 A @ 240v 115 A @ 415v	240/415v	3 x 15A 240v 3 x 32A 415v Hard Wire Connection

#### Distribution Boards:

Distribution boards are used to convert 415v 3 Phase power to 240v single Phase power. All distribution boards have earth leakage protection.

Size (A)	Outlets
20A Dissy Board	3 x 15A 240v
32A Dissy Board Plastic	6 x 10A 240v 3 x 15A 240v
32A Dissy Board Steel	4 x 10A 240v 3 x 15A 240v

[www.kerrshire.com.au](http://www.kerrshire.com.au)

North Geelong, Cnr Dunn & Edols St - 52786011

Grovedale, 21 Essington St - 52457877

The information above contains general information only and should not be relied upon as a substitute for professional advice which the user should seek before selecting equipment to be used.

**Lighting:**

Lighting is often required to be used in a whole range of applications from night road works to festival & sporting events. Kerr's have two main types of lighting available:

**Portable Flood Lights & Stands:**

- 1500w 240v on stands 3m high.
- 2 x 500w 240v on adjustable stands up to 2.5m high.

**Diesel Lighting Towers:**

- 4 x 1000w metal halide lights fully adjustable
- Max height of tower 4.5m
- Towable (50mm ball)



**Diesel Lighting Tower**

**Notes:**

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