

GUARDA EDGE POWERCUTTER

Set Up Options

Read operating manual carefully and make sure you understand it before using the machine. Failure to do so could result in serious injury, property damage or death.

PATENTS PENDING



Phone: +61 8 93991644
Email: sales@guardasystems.com
38 hensbrook Loop, Forrestdale, Western Australia, 6112

GUARDA

WORK HARD. BREATHE EASY.

WWW.GUARDASYSTEMS.COM

Option Comparison Chart

	Option 1 With Guarda Electric Exhaust Vacuum	Option 2 With Guarda Vacuum Generator	Option 3 (2 motor) With Standard 2 motor wet vacuum with Slurry Interceptor	Option 3 (3 motor) With Standard 3 motor wet vacuum with Slurry Interceptor	Option 4 (2 motor) With Standard 2 motor wet vacuum	Option 4 (3 motor) With Standard 3 motor wet vacuum
Application	- Ideal for multiple applications (including high rise) - Only regular power required (10 Amp) - Cost effective - Hose length (up to 65m/215ft)	- Ideal for civil works & outdoor applications - No electricity required - Hose length (up to 55m/180ft)	- Ideal if you already have a wet vacuum - Only regular power required (10 Amp) - Hose length (up to 35m/115ft)	- Ideal if you already have a wet vacuum - More hose length than the 2 motor option - 15 Amp power required - Hose length (up to 45m/145ft)	- Ideal if you already have a wet vacuum - Only regular power required (10 Amp) - Limited hose length (up to 15m/50ft)	- Ideal if you already have a wet vacuum - More hose length than the 2 motor option - 15 Amp power required - Limited hose length (up to 20m/65ft)
Page Number	3	4	5	5	6	6
Edge Powercutter	YES	YES	YES	YES	YES	YES
Vacuum placement	INSIDE / OUTSIDE	OUTSIDE	OUTSIDE	OUTSIDE	OUTSIDE	OUTSIDE
Pressured water	YES	YES	YES	YES	YES	YES
Max. length (38mm/1.5") slurry hose from Edge Powercutter	5m / 15 feet	5m / 15 feet	5m / 15 feet	5m / 15 feet	15m / 50 feet	20m / 65 feet
Slurry Interceptor required	NO	YES	YES	YES	NO	NO
Electricity required	10Amp	N/A	10Amp	15Amp	10Amp	15Amp
Max. length (50mm/2") exhaust hose	60m / 200 feet	50m / 165 feet	30m / 100 feet	40m / 130 feet	N/A	N/A
Max. combined hose length (from saw to exhaust outlet)	65m / 215 feet	55 m / 180 feet	35m / 115 feet	45m / 145 feet	15m / 50 feet	20m / 65 feet



Air volume can be quickly lost depending on hose length and the size and type of hose. It is recommended you use Guarda hoses and keep within the size and length guideline mentioned in the various setups



Read Edge operating manual carefully and make sure you understand it before using the machine. Failure to do so could result in serious injury, property damage or death.

Set up option 1 - With Guarda Electric Exhaust Vacuum



What is required?

A) Guarda Edge Power Cutter

C) Pressured Water Supply

E) 38mm/1.5" Guarda Slurry Hose*

B) Guarda Electric Exhaust Vacuum

D) Power Outlet 220V/10A

F) 50mm/2" Guarda Exhaust Hose**

(Comes with Kevlar connecting hose)

*(Max. length 5m/15ft) **(Max. length 60m/200ft)

Set up procedure

1) Connect Kevlar connecting hose to the Guarda Electric Exhaust Vacuum exhaust port. It has a bayonet type fitting that locks in a clockwise rotation.



2) Connect the 50mm/2" exhaust hose to the Kevlar connecting hose to exhaust the Edge engine fumes outside in a well ventilated place. You can extend the 50mm/2" Guarda Exhaust hose to a maximum of 60m/200feet.



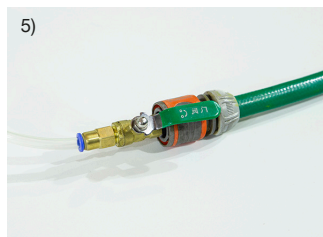
3) Connect 38mm/1.5" slurry hose to the Guarda Electric Exhaust Vacuum inlet. (hose length not to exceed 5m/15 ft between Guarda Electric Exhaust Vacuum & Edge Powercutter.



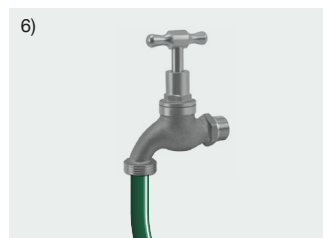
4) Connect 38mm/1.5" slurry hose to Edge Powercutter.



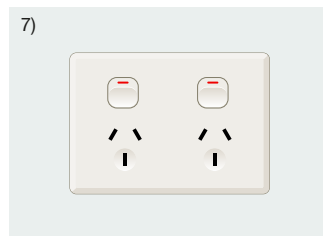
5) Connect water hose to Edge Powercutter



6) Connect water hose to pressured water supply



7) Connect Guarda Electric Exhaust Vacuum power lead to power point.



The end of the exhaust hose must be placed outside in a well ventilated area

Set up option 2 - With Guarda Vacuum Generator



What is required?

A) Guarda Edge Power Cutter
B) Guarda Vacuum Generator

C) Pressured Water Supply E) 38mm/1.5" Guarda Slurry Hose*
D) Guarda Slurry Interceptor F) 50mm/2" Guarda Exhaust Hose**
*(Max. length 5m/15ft) **(Max. length 50m/165ft)

Set up procedure

1) Connect vacuum hose to Guarda Vacuum Generator using 50mm/2" camlock (maximum hose length of 50m/165ft with 50mm/2" hose).



2) Connect 50mm/2" exhaust hose from Vacuum Generator to Slurry Interceptor using 50mm/2" camlock.



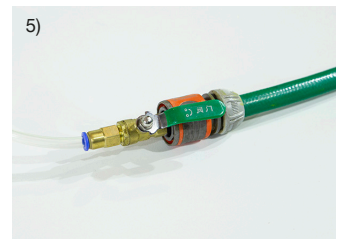
3) Connect 38mm/1.5" slurry hose to Slurry Interceptor vacuum inlet (hose length not to exceed 5m/15ft between Slurry Interceptor & Edge Powercutter).



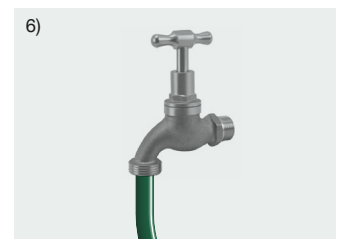
4) Connect 38mm/1.5" slurry hose to Edge Powercutter



5) Connect water hose to Edge Powercutter



6) Connect water hose to pressured water supply



The Vacuum Generator must be placed outside in a well ventilated area

Set up option 3 - With conventional 2 or 3 motor electric wet vacuum with Slurry Interceptor

(use this option when more than 20m/65ft of hose is required)



What is required?

- A) Guarda Edge Powercutter D) Guarda Slurry Interceptor G) Power Outlet 220V/10A or 15A
 B) 2 or 3 motor electric wet vacuum E) 38mm/1.5" Guarda Slurry Hose* H) 50mm/2" Vacuum Adapter
 C) Pressured Water Supply F) 50mm/2" Guarda Exhaust Hose**

*(Max. length 5m/15ft) ** (Max. length 2 motor: 30m/100ft
 3 motor: 40m/130ft)

Set up procedure

1) Insert 50mm/2" camlock Vacuum Adapter into 2 or 3 motor electric wet vacuum.



2) Connect 50mm/2" Guarda hose to the 50mm/2" camlock Vacuum Adapter.



3) Connect the 50mm/2" Guarda hose to the Slurry Interceptor using 50mm/2" camlock (maximum hose length for 2 motor is 30m/100ft & for 3 motor is 40m/130ft).



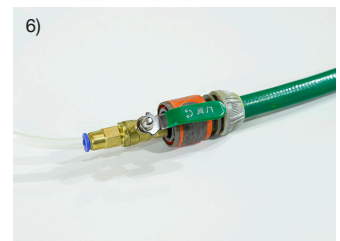
4) Connect 38mm/1.5" slurry hose to Slurry Interceptor vacuum inlet. (Hose length not to exceed 5m/15 ft between Slurry Interceptor & Edge Powercutter).



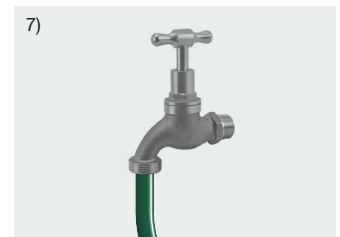
5) Connect 38mm/1.5" slurry hose to Edge Powercutter.



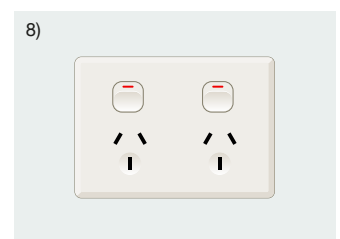
6) Connect water hose to Edge Powercutter.



7) Connect water hose to pressured water supply.



8) Connect Electric Wet Vacuum power lead to power point. (2 motor: 10 Amp powerpoint 3 motor: 15 Amp powerpoint).



The electric wet vacuum (B) must be placed outside in a well ventilated area

Set up option 4 - With conventional 2 or 3 motor electric wet vacuum

(use this option when less than
20m/65ft of hose is required)



What is required?

- A) Guardia Edge Power Cutter C) Pressured Water Supply E) Power Outlet 220V/10A or 15A
B) 2 or 3 motor electric wet vacuum D) 38mm/1.5" Guardia Slurry Hose*

*(Max. length 2 motor: 15m/50ft / 3 motor: 20m/65ft)

Set up procedure

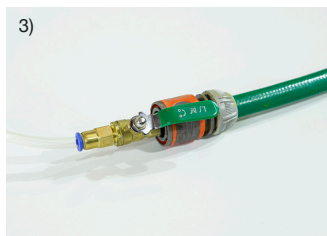
1) Connect 38mm/1.5" slurry hose to electric wet vacuum (maximum hose length for 2 motor is 15m/50ft & for 3 motor is 20m/65ft).



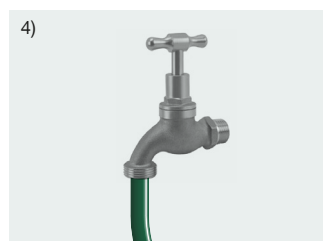
2) Connect 38mm/1.5" slurry hose to Edge Powercutter.



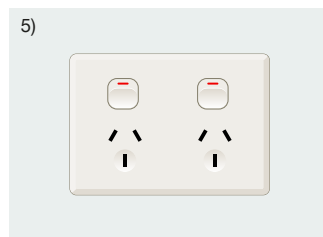
3) Connect water hose to Edge Powercutter.



4) Connect water hose to pressured water supply.



5) Connect Electric Wet Vacuum power lead to power point.
(2 motor: 10 Amp powerpoint
3 motor: 15 Amp powerpoint).



The electric wet vacuum must be placed outside in a well ventilated area

Operating Technique to minimise dust and slurry

The Edge powercutter uses water and vacuum to control slurry, dust and exhaust fumes. Make sure you follow the set up procedures outlined on pages 3 to 6

The blade guard has 2 water supply jets.

One water jet sprays constantly on the base of the blade guard when the water supply is turned on. This helps to create a fluid mixture of cutting residue to minimise vacuum line clogging. This also ensures there is adequate cooling for the exhaust gases.

The second water jet is directly onto the cutting blade. Water volume can be controlled by the tap on the saw front handle.



The water jets are designed and positioned to supply water efficiently onto the blade so that when the blade rotates the water feeds onto the cutting area of the blade.

- 1 **Before cutting.** Turn on the water supply to the blade. Adjust water amount. Rev the engine and make sure an adequate supply of water is coming off the blade. A light spray is sufficient.

- 2 **Starting the cut.** Ensure that the bottom of the guard is close to the cutting surface and move the blade into the material being cut while keeping the bottom of the blade guard against the cutting surface.



3. **During cutting.** Keep the blade guard against the cutting surface. To help achieve this the blade guard is designed to rotate within the vacuum shroud so that the orientation of the saw can change easily while keeping the guard against the wall.



WARNING!

Always ensure that the water supply, and the saws main tap are turned on full and the vacuum is on before cutting, to minimise the chance of slurry blockages. The main indicator of a blockage will be slurry running out from the front of the blade guard. If this occurs immediately stop the saw and clear the blockage to ensure heat buildup from the exhaust does not melt the hoses.