












# HANDSAW COMPARISON

	"New" Guarda Edge Power Cutter	Petrol Wet Cutting	Electric Wet Cutting Normal Frequency	Electric Wet Cutting High Frequency 1 phase	Electric Wet Cutting High Frequency 3 phase	"NEW" Battery Saw	"NEW" Petrol Dry Cutting with Dust Control	Electric Dry Cutting with Dust Control Blade Enclosed	Electric Dry Cutting with Dust Control
									
Dust Control Method	<b>Water &amp; Vacuum</b> 	Uses water with no vacuum					Dry dust extraction HEPA Filtration with Filter cleaning >2Kw 		
Saw Rated Power (Kilowatts)	4.2Kw	3-5Kw	2-2.3Kw	2-2.4Kw	5-7Kw	2.2Kw <sup>*refer note 1</sup>	3.7Kw	2-2	2-2.3Kw
Blade Size	380mm/15"	400mm/16"	350mm/14"	400mm/16"	400mm/16"	350mm/14"	300mm/12"	300mm/12".3Kw	350mm/14"
Depth of cut	150mm/6"	150mm/6"	125mm/5"	150mm/6"	150mm/6"	125mm/5"	122mm/4.75"	120mm/4.5"	125mm/5"
List Price with Vacuum (approx.\$AU)	\$3000-\$3500	\$1200-\$2500	\$1200-\$2500	\$10.000-15.000	\$10.000-15.000	\$2000 - \$4500	\$4000 - >\$6500	\$4000 - >\$6500	\$4000 - >\$6500
Electrical Power Requirements (Kilowatts and Phase) <sup>*refer note 2</sup>	2KW 1p 1 x 10Amp	N/A	2.2Kw 1P 1 X 10Amp	3.6KW 1P 15Amp	7Kw 3P	Battery Charger	>2.2Kw 1P	>4.6KW 1P 2x 10Amp	>4.6KW 1P 2x 10Amp
Silica Crystalline Dust Control <sup>*refer note 3</sup>									
Slurry Control <sup>*refer note 4</sup>							N/A	N/A	N/A
Fumes Control <sup>*refer note 5</sup>			N/A	N/A	N/A	N/A		N/A	N/A
Potential exposure to Electric Shock <sup>*refer note 6</sup>	N/A	N/A					N/A	N/A	N/A
Residue Collection & Disposal <sup>*refer note 8</sup>									
Cutting Economics <sup>*refer note 9</sup>	<sup>*refer note 10</sup>								

## Notes:

1: Not advertised. Based on the 72 Volt 6AH battery lasting 12 minutes  
 2: Higher Power requirements may involve additional costs  
 3: Water control superior to vacuum. Water & Vacuum is best.  
 4: Contained vs released during cutting  
 5: Contained vs released during cutting

6: Combination of water and electricity creates a potential for electric shock  
 7: Slurry, dust, fumes  
 8: Slurry or Dust. When used dry the Vacuum may have special requirements for cleaning filters safely  
 9: Calculated by Purchase cost, Consumables cost, Equipment Life, Maintenance costs, Speed of cutting  
 10: Guarda Edge Powercutter. Operating in a cleaner enviroment lowers maintenance costs

## Relative Rating Score

Best  
↑

