

# PumpEng

## Guardian



**Tougher pump  
for harsh  
underground  
environments**

When pumping tramp and solids  
is unavoidable use hard metal.  
Designed for longer life



### **Benefits of Guardian for Mining Operations**



**Performance**

Increase mine performance, productivity and profit by reducing breakdowns and delays.



**Safety**

Reduce workplace hazards by reducing the number of breakdowns.



**Cost**

Reduce equipment lifecycle cost by increasing total pump life.

# About Us

**PumpEng® is an Australian owned and operated business with a proud history of manufacturing and supplying submersible pumps to the underground and surface mining sector.**

Our Guardian pumps and parts are Australian designed and manufactured.

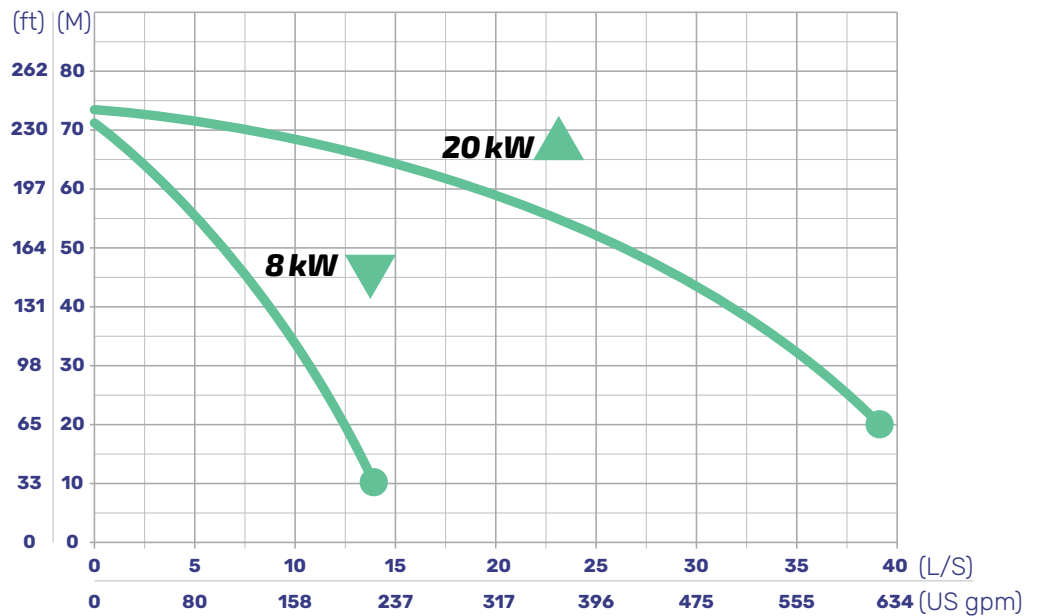
We formed PumpEng® to improve the design of mass-produced pump components for Australian operating conditions. We consulted with Australian maintenance and mining staff and used our own expertise gained through our long association with the mining industry.

We manufacture in small batch runs using special materials to allow for quick design changes so we can reduce operating and maintenance costs through innovative design.

Our results and a long list of satisfied clients that have joined us on the journey to a good day at work is testimony to this.



## Power Curves (50Hz & 60Hz)



# Guardian Specifications

Model	kW	Discharge	Voltage	Solids Passage in mm	Max Head in m	Max Flow l/s	Max Diameter mm	Height mm	Weight kg
PE0857291	8	80mm	415V	8	72	14	380	720	120
PE0857391	8	80mm	1000V	8	72	14	380	720	120
PE0857491	8	80mm	600V	8	72	14	380	720	120
PE2057291	20	100mm	415V	8	74	39	520	765	210
PE2057391	20	100mm	1000V	8	74	39	520	765	210
PE2057491	20	100mm	600V	8	74	39	520	765	210

Motor Specifications	
Pole	2-Pole
Insulation Class	Class F/H
Motor Power Details	1000V, 600V, 415V 50 or 60 cycle
Max Liquid Temp	Fluid at 40°C
Max Submergence	22m

Pump Specifications	
Impeller	27 Chrome or CD4
Wear Parts	CD4
Mechanical Seal	Sic-Sic
Bearing	Heavy duty bearings
Outer Jacket	Stainless Steel
Shaft	Stainless Steel

## Fewer Breakdowns



**Increase production**



**Less manpower**



**Increase income**



**Safer workplace**

## Why The Guardian Pump Range Is Better

### Toughened - Metal Is Best

Internal components in the wetend are tough metal, not elastomer. Harsh operating environments quickly destroy elastomer components, while toughened steel components power on. Guardian is dry run tolerant and can run on the snore.

### Productive - Less Downtime More Production

Guardian has been designed for tough environments, to keep on pumping when traditional dewatering pumps might fail. Less mining downtime, more production.

# PumpEng

**Tough Submersible Pumps**

## Explore Your Options

### PumpEng Pty Ltd



#### Perth

(08) 9434 9922  
1/18 Renewable Chase  
Bibra Lake WA 6163

PO Box 1122  
Bibra Lake 6965



#### Kalgoorlie

(08) 9021 5965  
55 Oroya st  
Boulder WA 6430



#### Townsville

(07) 4766 3160  
64-66 Crocodile Crescent  
Mount St John QLD 4818



#### Adelaide

(08) 8448 9830  
U3, 9-11 Peekara Street  
Regency Park SA 5010



#### North America

+1 (208) 749 7636  
635 5th Ave West  
Twin Falls ID 83301

### Email Direct



[sales@pumpeng.com.au](mailto:sales@pumpeng.com.au)



[pumpeng.com.au](http://pumpeng.com.au)

### International Distribution Network

