



PACIFIC MARINE GROUP PTY LTD
AUSTRALIA

'Dawson Impact Hammer'

Dawson Hydraulic Impact Hammer HPH4500e

Features

- Digitally controlled drop weight
- Fast hammer blow rate for rapid pile penetration
- Full energy monitoring on screen
- Full history of hammer performance
- Highly reliable and robust electrical switching
- Intelligent stroke control
- Very few serviceable parts, with on screen fault diagnostics
- Easily maintained by Diesel / Mechanical fitter
- Cushion block irons out peak stresses
- Very efficient energy transfer

Specifications

Ram Weight: 3500kg
Impact Velocity: 5.05m/s
Max Energy Transferred To Pile: 45.00KNm
Min Energy Transferred To Pile: 18.00KNm
Blow Rate: 80-120bpm
Length - Lead Mounted: 4650mm
Minimum Width of Body: 640mm
Weight - Lead Mounted: 8500kg
Weight - Free Hanging with Sheet Pile Leg Guides: 10,750kg
Weight - Free Hanging with Guide Sleeve: 10,000kg



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Dawson Powerpack

Specifications

Length: 3.3m

Width: 1.34m

Height: 2.26m

Weight: 3200kg

Performance

Power: 120kW

Max Pressure: 250bar (3625psi)

Oil Flow Rate: 230L/min

Capacities

Fuel Capacity: 300L

Fuel Consumption at 60%: 19.9L/hr



Dawson Electronic Control System

Dawson Construction Plant has developed an industry leading, robust and simple, electronic control system that constantly monitors the drop weight position. Optimised hammer performance throughout varying piling conditions:

- Hard driving with pile recoiling
- Soft driving with a running pile
- Cold hydraulic oil on start up
- Raking piles



Note: All PMG piling equipment is filled with bio-degradable hydraulic oil, which is not only environmentally friendly / fully biodegradable.