



ENHANCE YOUR FLEET WITH THE

BLADE MASTIFF 1100

Reliability, Service, Value ... for Life



BLADE MASTIFF 1100



OVERVIEW

Built and designed to offer hydro excavation without requiring the investment and maintenance of a vacuum truck.

Maximum volume capacity for trailer size

- 1,100 litre debris tank
- 400 litre water compartment

Quality-assured tank build

- Australian, grade 350 mild steel
- Tank and trailer fabricated at FIRMUS Group's Adelaide production facility

Powerful, reliable vacuum pump system

- Tri-lobe blower pump rated at 490cfm - alternate options available

High performing hydro excavation system

- High pressure water pump rated at 2,900psi @ 21ltr/min

Intuitive, simple and safe hydro excavation operation

- Remote electric key start
- Hydraulically operated tank hoist and rear door with pendant control
- Two emergency stops

• Ample storage and lighting

• 12 months warranty

• Local service centre support

SPECIFICATIONS SUMMARY

Type	Non-Destructive Digging (NDD)
Compliance	Australian Design Rules (ADR) Compliant Chassis
Tank Capacity	1,100 litre debris tank 400 litre water compartment
Barrel	Australian, grade 350 mild steel
Vacuum System	Tri-lobe blower pump rated at 490cfm Alternate options available
Hydro Excavation System	High pressure water pump rated at 2,900psi @ 21ltr/min

CHASSIS SPECIFICATIONS

Dimensions	W 2,170mm, L 4,670mm, H2,150mm
Tow Ball	50mm
Suspension	Tandem axle
Compliance	Australian Design Rules (ADR) Compliant Chassis
Brakes	Electric
Accessories	Spare Tyre

TANK SPECIFICATIONS

Shape	Cylindrical 5.0mm
Material	Australian, grade 350 mild steel
Contents	Water/sludge
Debris Tank Compartment	1,100 litre debris capacity with pressure relief valve fitted Hydraulic-operated tank hoist
Water Tank Compartment	400 litre water capacity
Rear End	Hydraulic-operated, fully opening rear door
Compliance	AS1210 Compliant

VACUUM SYSTEM SPECIFICATIONS

Pump	Tri-lobe blower Maximum free air speed 490cfm
Drive	Mechanical

HYDRO EXCAVATION SYSTEM SPECIFICATIONS

Hydro Excavator Jetting Pump	Comet FW2 5530 high pressure water pump rated at 2,900psi @ 21ltr/min
Drive	Direct mechanical
Equipment	20m of 3/8 inch hose Manual, spring return hose reel Qty 1 NDD lance Hand lance supplied with quick release coupling

AUXILLARY ENGINE

Engine	Honda GX690
Fuel Tank	20L fuel tank

CONTROLS SPECIFICATIONS

Engine	Remotely mounted electric key start
Hydraulics	Pendant control for all hydraulics
Hydro Excavation Pump	Automatic low water shutoff
Gauges	Water and vacuum gauges
Cut-off	Emergency stop x 2

PAINTWORK SPECIFICATIONS

Internal	Primed - two coats, two pack epoxy
External Finish	Primed - two coats, two pack epoxy Finish - one colour