



Groundwork

CHALLENGER SERIES

400 SERIES

500 SERIES

800L SERIES

1000 SERIES

1200 SERIES

1400 SERIES

400/600/800 SD SERIES

TRUCK MOUNTED SERIES



CHALLENGER POST POUNDER RANGE

GROUNDWORK manufactures and supplies a range of Challenger series post pounders/pile drivers. There are eight different models available:

400 and 500 Attachment series:

The 400 and 500 series can be attached to a skid steer, excavator or a loader. These two models are easy to operate and can be easily transported.

800L / 1000 / 1200/ 1400series:

The Challenger 800L / 1000 / 1200/ 1400 are specially designed for road safety barrier work or solar installation.

- Challenger 800L installs piles of up to 3.1m (10.2') (Guardrail/Solar)
- Challenger 1000 installs spiles of up to 4.5m (14.7') (Solar)
- Challenger 1200 installs piles of up to 6.1m (20') (Solar)
- Challenger 1400 installs piles of up to 8.1m (26.7') (Solar)

400/600/800 Screw Drive Series:

The Challenger Solar Screw Drivers, is an effective screw piling driver with torque of 3000 to 6000Nm drive motor. It has a custom built connection plate; this allows a quick and simple install for your screws.

Truck Mounted Series:

Great option for fencing contractors, DIY farmers etc. This driver will drive all types of wood or steel posts in nearly all soil conditions and is now available as a custom-truck mounted option.

The Challenger Series are manufactured to the highest possible standards and comes with a 12-month warranty, making these the best choice for the grueling demands of guard railing and solar work.



CHALLENGER 400 PILE DRIVER ATTACHMENT



SPECIFICATIONS

Weight:	1500kg (1.65 ton)
Drive Force (joules):	950
Height under Hammer (mm):	3100 mm (10.2') with machine on the ground
Hydraulic Requirements:	80-100L/min oil flow at 120 bar (1740 PSI)
Optional Hydraulic Downforce:	2.5 tonne on attachments

MACHINE MOUNTING REQUIREMENTS

Minimum Weight: Skid Steer Loader 4500kg (4.96 ton)

Attachments:

- DTH Hammer up to 200mm (7.9")
- Auger Drills up to 300mm (11.8")
- Screw Pile Drive 3000 NM (2206 ft lbf)

CHALLENGER 500 PILE DRIVER ATTACHMENT



SPECIFICATIONS

Weight:	1800kg (1.98 ton)
Drive Force (joules):	1100
Height under Hammer (mm):	4.1 m (13.5') with machine on the ground
Hydraulic Requirements:	80-100L/min oil flow at 120 bar (1740 PSI)
Optional Hydraulic Downforce:	2.5 tonne on attachments

MACHINE MOUNTING REQUIREMENTS

Minimum Weight: Skid Steer Loader 4500kg (10,000lbs)

Attachments:

- ° DTH Hammer up to 250mm (9.8")
- ° Auger Drills up to 350mm (13.8")
- ° Screw Pile Drive 6000 NM (4412 ft lbf)

CHALLENGER 800L PILE DRIVER



SPECIFICATIONS

Engine:	Perkins, Water Cooled (Tier 4)
Maximum post height :	3.1m (10.2')
Hydraulic hammer power:	950 Joules
Hydraulic hammer weight:	weight 440-620kg (970-1367lb)
Hydrostatic System with cast iron pump & flow rate:	120L (31.7gal)/min @190 bar
Hydraulic oil tank capacity:	150L (39.6 gal) and level indicator
Diesel oil tank capacity:	60L (15.9 gal)
Column inclination both traverse and longitudinal:	+/- 15
Maximal horizontal slide movement column:	700mm (28")
Lateral column movement:	+/- 150mm (5.9")
Maximum post dimension:	180 x 200mm (7.1" x 7.9")
Transport dimensions:	2800mm x 1950mm x 2100mm (9.2' x 6.4' x 6.9')
	L x W x H
Weight:	3000 Kg (3.3 ton)
Travel Speed:	3.0 kmph (single speed)

CHALLENGER 1000 PILE DRIVER



SPECIFICATIONS

Engine:	Perkins, Water Cooled (Tier 4)
Maximum post height :	4.6m (15.1')
Hydraulic hammer power:	1260 Joules
Hydraulic hammer weight:	weight 550-570kg (1212-1256lb)
Hydrostatic System with cast iron pump & flow rate:	120L (31.7gal)/min @190 bar
Hydraulic oil tank capacity:	160L (42.3 gal) and level indicator
Diesel oil tank capacity:	60L (15.9 gal)
Column inclination both traverse and longitudinal:	+/- 15
Maximal horizontal slide movement column:	800mm (31.5")
Lateral column movement:	+/- 150mm (5.9")
Maximum post dimension:	200mm x 220mm (7.9" x 8.7")
Transport dimensions:	3000mm x 2200mm x 2150mm (9.8' x 7.2' x 7.1')
	L x W x H
Weight:	4000 Kg (4.4 ton)
Travel Speed:	3.0 kmph (two speed) on speed one and 5.0 kmph on speed two

CHALLENGER 1200 PILE DRIVER



SPECIFICATIONS

Engine:	Perkins, Water Cooled (Tier 4)
Maximum post height :	6.1m (20') 3 stage Telescopic Mast
Hydraulic hammer power:	1500 Joules
Hydraulic hammer weight:	weight 750kg (1653lb)
Hydrostatic System with cast iron pump & flow rate:	120L (31.7gal)/min @190 bar
Hydraulic oil tank capacity:	180L (47.6 gal) and level indicator
Diesel oil tank capacity:	60L (15.9 gal)
Column inclination both traverse and longitudinal:	+/- 15
Maximal horizontal slide movement column:	800mm (31.5")
Lateral column movement:	+/- 150mm (5.9")
Maximum post dimension:	220mm x 220mm (8.7" x 8.7")
Transport dimensions:	3500mm x 2200mm x 2400mm (11.5' x 7.2' x 7.9')
	L x W x H
Weight:	4500kg (4.9 ton)
Travel Speed:	3.0 kmph (two speed) on speed one and 5.0 kmph on speed two

CHALLENGER 1400 PILE DRIVER



SPECIFICATIONS

Engine:	Perkins, Turbocharged EU Stage V, US EPA
Maximum post height :	8.1m (26'5") Single Mast. Option for hinge to fold for travelling
Column Rotation:	360°
Hydraulic hammer power:	1500 Joules
Hydraulic hammer weight:	weight 900kg (1984lb)
Hydrostatic System with cast iron pump & flow rate:	120L (31.7gal)/min @190 bar
Hydraulic oil tank capacity:	200L (52.8 gal) and level indicator
Diesel oil tank capacity:	80L (21.1 gal)
Column inclination both traverse and longitudinal:	+/- 15
Maximal horizontal slide movement column:	600mm (24")
Lateral column movement:	+/- 150mm (6")
Maximum post dimension:	220mm x 220mm (8.7" x 8.7")
Transport dimensions:	8000mm x 2250mm x 2400 mm (26.2' x 7.4' x 7.9')
	L x W x H
Weight:	6500 Kg (7.16 ton)
Travel Speed:	3.0 kmph (two speed) on speed one and 5.0 kmph on speed two

CHALLENGER 400/600/800 SD SOLAR SCREW PILE DRIVER



SPECIFICATIONS

	400 SD Model	600 SD Model	800 SD Model
ENGINE			
Brand:	Perkins	Perkins	Perkins
Power:	34.6kw	34.6kw	34.6kw
Model:	Water Cooled Engine	Water Cooled Engine	Water Cooled Engine
HYDRAULIC MOTOR			
Power:	3000NM	6000NM	8000NM
RPM:	30-90	30-90	30-90
HYDRAULIC SYSTEM			
Oil Tank:	100L	100L	200L
Oil Flow Rate:	50-100L	50-100L	50-100L
Oil Pressure:	190 Bar	190 Bar	190 Bar
Fuel Tank:	30L	30L	100L
	Hydraulic Pull Down Chain Drive	Hydraulic Pull Down Chain Drive	Hydraulic Pull Down Chain Drive (Optional)
Speed:	4.0km/hr	4.0km/hr	4.0km/hr
Max lift height:	2500mm	2900mm	3500mm
	Front Mounted Mast	Side Mounted Mast	Side Mounted Mast
Transport dimensions: (H x W x L mm)	2030 x 1350 x 1850	2030 x 1750 x 2000	2288 x 2280 x 2000
Weight:	2200kg	2500kg	3200kg
Column Inclination:	+10° to -60°	+10° to -60°	+10° to -63°
Lateral Inclination	+10° to -10°	+10° to -10°	+10° to -10°

CHALLENGER TRUCK MOUNTED POST DRIVER

The CHALLENGER truck mounted pounder was developed to serve high volume users, such as fencing contractors, municipalities, do-it-yourself ranchers and farmers, or anyone who wants the finest piece of equipment capable of handling the most difficult jobs. The truck mounted pounder will drive all types of wood or steel posts in nearly every soil condition and is now available as a custom-truck mounted option.

SPECIFICATIONS

Engine: Perkins, Water Cooled (Tier 4)

Cylinders: 34 KW

Hydraulic hammer: 900 Joule

Weight of the hammer: 390 kg (Approx)

Beats per minute: 600 - 1100

Max post size: 160 x 120 x 2700mm

Hydraulic tank litres: 80 Litres

Horizontal movement: 600mm

Transportation dimensions: 1100 x 1900 x 1800mm

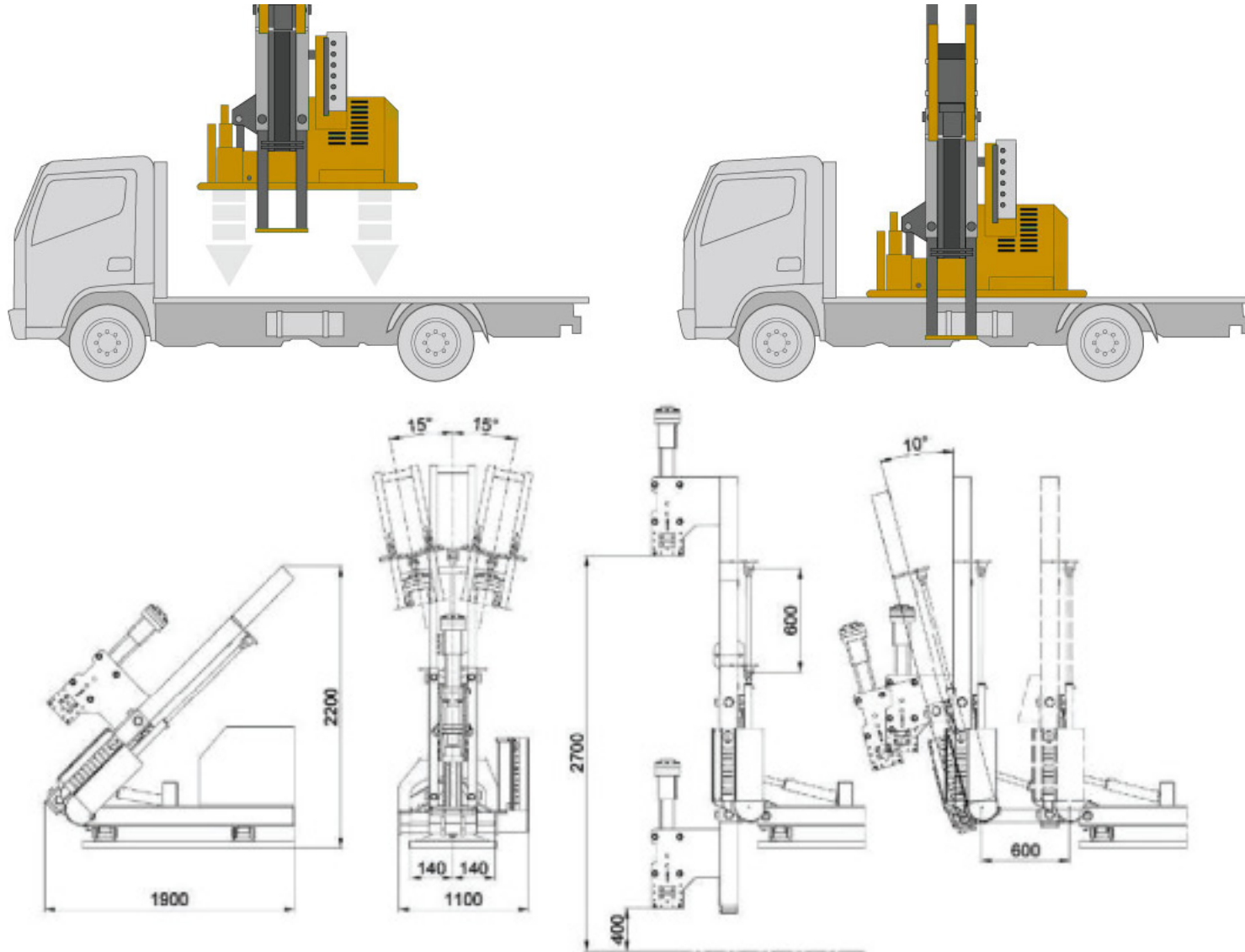
Total weight: 1260kg (Approx)



ADVANTAGES

- Faster and more powerful
- Easy maintenance
- Low maintenance cost
- Rotational mounting
- Rigid and durability
- Easy installation & operation

CHALLENGER TRUCK MOUNTED POST DRIVER





CHALLENGER GUARDRAIL OPTIONS

GPS Solutions - Manual and Semi Autonomous

DTH Hammer up to 250mm (10")

Guardrail Install Unit

Post Extractor

Converter Core Drills

Remote Control

CHALLENGER SOLAR OPTIONS

GPS Solutions - Manual and Semi Autonomous

DTH Hammer up to 250mm (10")

Post Extractor

Converter Core Drills

Remote Control