

# 4 in 1 Machine!

## INTRODUCING THE TONKER 830

Piling • Drilling • Screwing • Cleaning



[www.piledriveruk.com](http://www.piledriveruk.com)

+44 (0)1234 403419

1 Year Manufacturers Warranty

VAT No: 375554370

## GENERAL

**Weight:** 4200 Kg

**Main Body Dimensions:** L 2190mm x W 2150mm

**Transport Dimensions:** L 2200mm x W 2200mm  
x H 1800mm (with folded mast)

**Max Longitudinal Slope:** 23% (13 degrees)

**Max Transverse Slope:** 17% (10 degrees)

**Work Pressure:** 180 Bar

**Hydraulic Oil Tank Capacity:** 180 L

**Fuel Tank Capacity:** 55 L

**Max Pile Height:** 6.1m

**Max Pile Size:**  $\varnothing$ 300mm, 202mm<sup>2</sup>

**Max Speed:** 4.5 km/h

**Voltage:** 12V

**Operating Temperature:** -20°C to +50°C



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## ENGINE

### KUBOTA TURBO STAGE V 4Tier

Type: VI505-CR-TE5 (EPA/CARB Tier4+ EU Stage V

Output KW (HP) & Speed (RPM): 33 (44.3) / 3000

Type: Vertical, Water Cooled 4-Cycle Diesel

Cylinders: 4

Fuel System: Common Rail System (CRS)

## INDECO SPA HAMMERS

### 950 Joules

Weight: 185Kg (350Kg in work mode)

Beats Per Minute: 620-1500

Operating Pressure: 180 bar

Oil Flow Rate: 60/90 L/min

### 1200 Joules

Weight: 285Kg (550Kg in work mode)

Beats Per Minute: 580-1180

Operating Pressure: 180 bar

Oil Flow Rate: 60/90 L/min

### 1500 Joules

Working Weight: 650 KG

Beats Per Minute: 450 - 980



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## COLUMN LENGTHS

**Pile lengths:** Up to 4.5m, 5.1m & 6.1m

**Pile diameters:**  $\varnothing$ 300mm/202x202mm

**LED lights:** As standard.

For added strength both sections of the mast are made from a single piece of steel.

## HYDRAULIC PUMP

**SALAMI/DANFOSS GROUP 3 IN CAST IRON**

**Displacement:** 34cc

**Dry Air Filter:** 140 Bar

Liquid Cooling

## SOME AVAILABLE EXTRAS

Auto-Leveller, GPS, Augers, Extractor, DTH,  
Drills (1,500nm/2,500nm),  
Screw Rotary Heads (3,500nm/5,000nm/10,000nm)  
IMET E-Chronos Radio Controller (8 levers)



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## AUXILIARY RADIATOR

The cooling system has a specially enlarged radiator plus auxiliary radiator dissipating heat faster which has made it possible to work at higher temperatures of +50°C



## CONTROLS

Key started.

Protected by an on-board self diagnostic computer and emergency stop.

Valuables box inc. 12v connector for accessories.



## AUGERS

ø200mm with a 200mm tip  
ø250mm with a 250mm tip

Both sizes of augers require the 2,500nm rotary drill head.



## COLUMN CONTROLS

Easy, clear & responsive controls positioned for comfortable one man operation.

Optional: Horizontal mounted controls.



## FUEL & HYDRAULIC TANKS

Capacity

Fuel: 55L

Hydraulic Oil: 180L



## TRACKING

Rubber or metal tracks.

W x 300mm, L x 2000mm,  
H x 480mm

These dimensions give optimal stability even on difficult terrain.



## STORAGE & ARMS

Large, secure lockable tool box.

Arms can be customised for carrying extra piles up to 1000kg.



## FOLDING COLUMN

Saves space and cost for shipping and transport.

Easily erected and assembled with 4 bolts.



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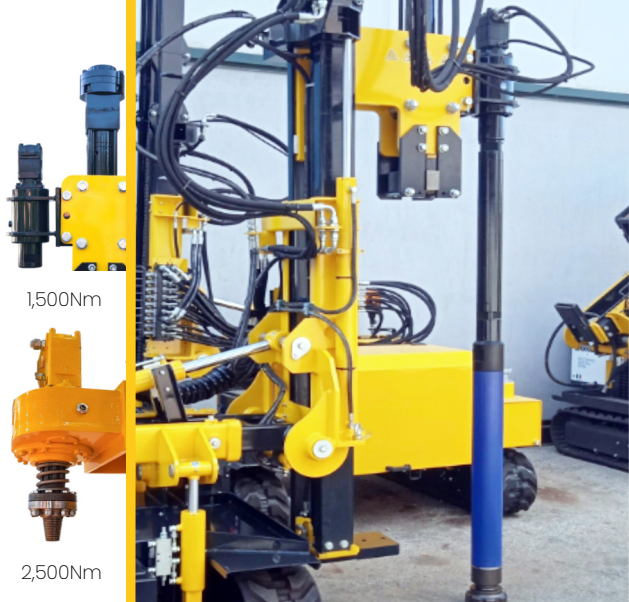
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## DRILLING

The 1,500Nm drill head can simultaneously be attached to the hammer frame for occasional drilling.

The 2,500Nm drill head can replace the hammer and the machine used solely for drilling. To achieve this, the column is also adapted to give a downward force.

Torque Output (NM)	1,500	2,500
Medium Speed (RPM)	60	30
Oil Flow (Max L/Min)	40	75
Hydraulic Motor (CC)	500	315
Work Pressure (Max Bar)	200	200
Connection to the Rotary Head	Female 3½" API Regular	Male 2 3/8" API Regular
Max Diameter of DTH Drilling Hammer	4" (101.6mm)	6" (152.4mm)
Max Diameter of the BIT (mm)	152	219





## CLEANING

This innovative customisable Tonker 830 comes with an air conditioned cabin and brush system to clean four standard solar panels at a time. Smaller or larger brushes are available.

Purchase options:

1. New purpose built cleaning machine
2. Retrospectively adapt your Tonker 830 piling rig as a cleaning machine. This option saves you money by avoiding buying two separate machines.



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## CONTACT

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