

PM85E

Technical data

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1. Technical data

Specification	
Stroke (meter)	8,5
Total length	10,65
Transport length	10,65
Mast weight (approx) (kg)	4400
Connection to excavator, quick coupling	No
Connection to excavator, boom mount	Yes
Mast material	Steel
Piling hammer 1st choice	SPD1000
Crowd force	80 kN
Feed system	Rope
Feed system dimension	12 mm

Specification	
Service winch (500 kg)	Yes
Motor power recommended, minimum (kW)	50
Oil flow recommended, minimum (lit/min)	150
Oil pressure recommended, minimum(bar)	200
Angle display	Yes
Lateral movement (mm)	1000
Diameter of the pressure/flow feed line, minimum (inch)	1
Diameter of the tank line, minimum (inch)	1 1/4
Diameter of the drain line, minimum (inch)	1/2
Maximum accepted tank back pressure (bar)	5
Maximum accepted drain line back pressure (bar)	0,5 - 2

1.1. PM85E

Total machine weight: 14500 kg

Mast weight: 4400

Mast length: 10650 mm

Stroke: 8500 mm

Mast zoom up/down: 1000 mm

Feeding: Cylinder and ropes

Cradle: SPD quick coupling

Piling hammer: 1000 kg

Technical data

Crowd force: 8 ton

Electricity: 12 Volts

1.2. SPD1000

Specification	
Operation weight (kg) (V)	765
Operation weight (kg) (S)	785
Operation pressure (bar)	150~170
Setting pressure (bar)	210
Required oil flow (l/min)	80~100
Tool Shank Diameter (mm/inch)	100 / 3.93"
Backhead Pressure (bar)	16
Suitable Machine (ton)	9~12
Impact Rate (bpm)	450~ 700
Impact Energy (Joule)	2443
Manual greasing	4 times per working day

1.3. Excavator - Volvo ECR88D

Specification	
Maximum torque	220,3 Nm at 1300 rpm
Displacement	2.615 litres (160 cu in)
Idling speed, low	1050 ± 40 rpm
Idling speed, high	2120 ± 40 rpm
Engine compression pressure	Factory specification: 3.20 Mpa Allowed limit: 220 Mpa
hydraulic system max. input speed	2200 rpm

Read manual Volvo ECR88D for further data.

1.4. Service winch - Sepson H50P

Service winch max load 500 kg

Rope length of the service winch is 30 meters.

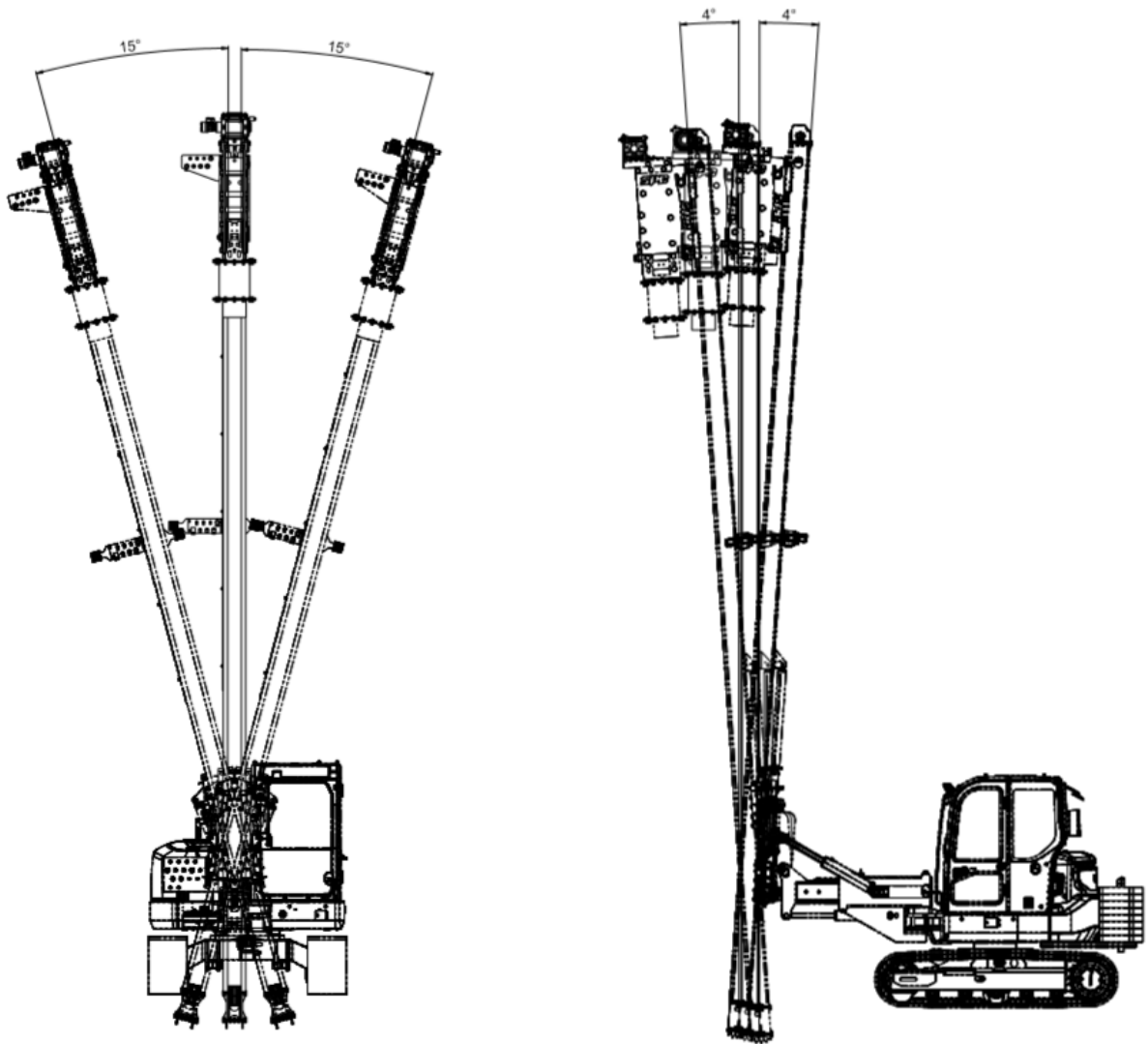
Rope diameter: 12mm

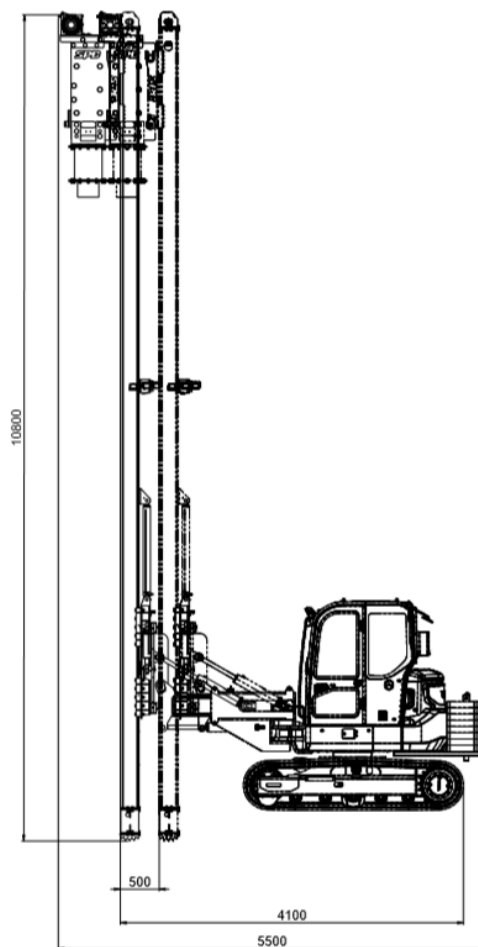
Read manual Sepson H50P for further data.

1.5. Working ranges

- The rig must work on a flat surface, if this is not possible due to the ground, such flatness must be within the maximum limits of + 0 - 8 ° (14%) pitch with respect to the horizontal plane.

- Tilting 15 degrees.
- Check that the angle of the ramp does not exceed 10 degrees.
- Mast slopes above 4 ° are prohibited unless otherwise stated.
- At slopes above 15 degrees, only half the stroke of the mast may be used to avoid accidents.
- Risk area 30 meter radius from the center of the machine.





1.6. Extra options

Options below: (possible to order if X)	
12 volt system has to be ordered in writing at order	X
Extra counter weight if needed	X
Stability calculation	X
CE documentation complete rig	X
Oil test, mandatory if customer has his own carrier	X
Triple R (RRR) mandatory if customer use his own carrier	X

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