

JCS500

SOLAR PILING RIG

Compact, self-propelled crawler drilling rig for solar PV foundation work — augering and down-the-hole drilling of pile holes with full 360° positioning and Cummins diesel power.

DRILLING & ROTATION

Single maximum depth	4 m
Drilling rod diameter	75 / 85 / 100 mm
Hole diameter — DTH	130–400 mm
Hole diameter — auger (max)	500 mm
Power-head torque	8000–12000 N·m

FEED SYSTEM

Feed type	Hydraulic slide
Feed stroke	4100 mm
Slider swing angle	L15° / R15°
Sliding guide tilt	L5° / R5°

ENGINE

Engine brand	Cummins diesel
Rated power	85 kW
Maximum torque / speed	375 N·m / 1850 rpm
Rated speed	2600 rpm
Fuel tank capacity	150 L

HYDRAULIC SYSTEM

Rated displacement	105 ml/r
Working pressure	19 MPa
Rated flow	230 L/min
Hydraulic oil tank	230 L

WEIGHT & DIMENSIONS

Total weight	7232 kg
Transport (L×W×H)	5670 × 1980 × 2375 mm
Working (L×W×H)	2375 × 1980 × 5670 mm
Tail swing radius	2030 mm
Crawler track width	350 mm
Tramming speed	3 km/h
Climbing grade	25°
Ground clearance	290 mm
Slew angle	360°


85 kW

CUMMINS DIESEL

360°

ROTATING CHASSIS

7.2 t

OPERATING WEIGHT

500 mm

MAX AUGER DIA.

SUPPLIED DRILLING PACKAGE

Auger	305 × 3000 mm
DTH hammer	10"
Drill bits	12" / 305 mm
Drill pipe	114 × 3000 mm
Sub-adapters	3½" reg

Hydraulic post-driving hammer available separately on request. Specifications are nominal and may be updated without notice.