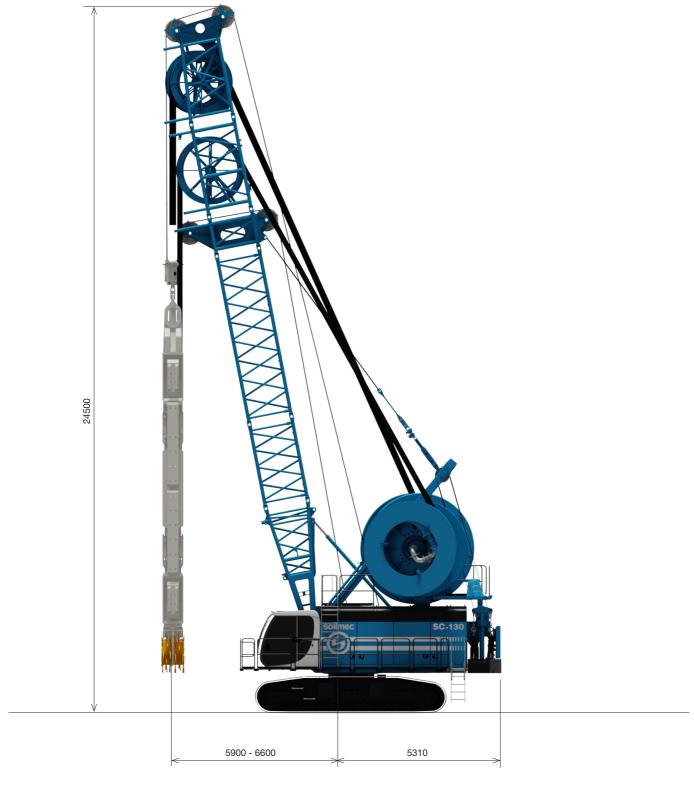
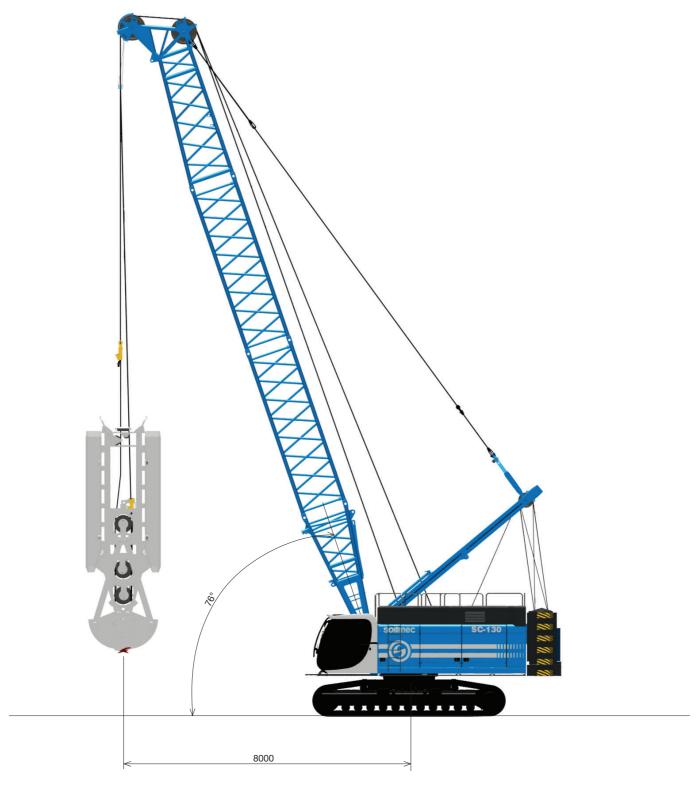


FOCUS OVERVIEW





| SC-130 Tiger PLUS | | |
|-------------------|---------------|---------------|
| Operating weight | 185000 kg | 407855 lb |
| Operating height | 24,5 m | 80 ft |
| Max depth | 120 m | 394 ft |
| Milling unit | SH-30 / SH-40 | SH-30 / SH-40 |



| SC-130 c/w mechanical grab | | |
|----------------------------|------------|------------|
| Operating weight | 120 t | 132 US ton |
| Max grab weight | 35 t | 39 US ton |
| Winches | 2 x 350 kN | 78682 lbf |

TECHNICAL DATA SHEET

| Pired and a | 047.040 | 0.47.044 |
|---|-----------------------------|----------------------------|
| Diesel engine | CAT C18 | CAT C1 |
| Max Rated Power | 563 kW @ 1800 rpm | 755 HP @ 1800 rpr |
| - Engine conforms to exhaust emissions standard | EU Stage V / US EPA Tier 4f | EU Stage V / US EPA Tier 4 |
| - Fuel tank capacity | 1100 I | 290.6 US ga |
| - Hydraulic oil tank capacity | 1250 I | 330.2 US ga |
| Main pums max oil flow | | |
| - Main pums max oil flow cutter | 315 + 2x420 I/min | 83 + 2 x 111 US g |
| - Main auxiliary pums max oil flow (base machine) | 2x 384 I/min | 2 x 101 US g |
| Main winches | | |
| - Type | Free fall type | Free fall typ |
| - 1st layer line pull (nominal load) | 350 kN | 78682 li |
| - Rope diameter | 36 mm | 1.42 |
| - Rope speed (max) | 77 m/min | 253 ft/m |
| - Max rope length on winch | 144 m | 472 |
| Boom | Lattice type | Lattice typ |
| - Length (Hydromill version) | 22 m | 72 |
| - Length (Grab version) | 12 - 56 m | 39 - 184 |
| Undercarriage | Variable gauge | Variable gaug |
| - Overall width | 6000 mm | 236.22 |
| - Overall length of crawlers | 6700 mm | 263.78 |
| - Track shoe width | 1000 mm | 39.37 |
| - Track shoe style | Triple grouser | Triple grous |
| - Travel speed | 0,8 - 1,6 km/h | 0.5 - 1.0 mp |
| - Traction force | 722 kN | 162309 I |
| Upper structure | | |
| - Turret width | 3500 mm | 137.79 |
| - Slewing speed | 2,5 rpm | 2.5 rp |
| - Swing tail radius | 5310 mm | 209.05 |

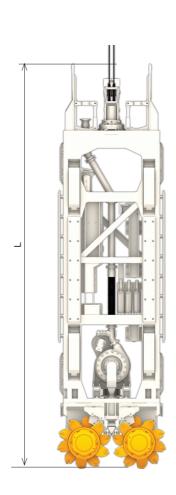
STANDARD EQUIPMENT

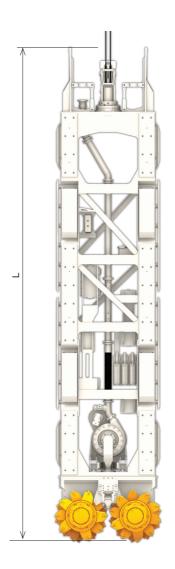
- Hydro-clean micro filtration with water separation
- In cab warning alarm in case of hydraulic oil contamination
- Electro-proportional control system
- High pressure filters on the main lines
- Drain tank c/w filters for drain oil lines
- Hydraulic hose set for 80 m depth complete with an extra spare hose
- Heavy Duty Mud Hose Assembly for 80 m depth
- DMS system for a total control over machine performance and excavation parameters
- DMS PC software for production data analysis and report
- 8 video-cameras
- Lashing Points on undercarriage for transport
- Assembly mode selector for safe rigging / derigging
- Remote Control Board for assembly disassembly and transport phase
- Remote control board for teeth changing
- Prearrangement for hydraulic and mechanical grab
- Heat control system (Noise reduction)
- High efficiency hydraulic layout for energy saving
- Refueling pump
- +/-90° swivel rotation system
- Platform catwalk handrails

OPTIONAL EQUIPMENT

- Hydraulic oil filtering external group complete with oil contamination indicator
- DMS PC 3D option for panels overlap control
- Diesel engine Tier 2 CAT C18 570 kW
- Prearrangement for casing oscillator
- Fixed gauge undercarriage with removable side frames
- · Flat track shoes
- Access ladder and catwalks on the boom
- · Safety Life Line on the boom
- · Automatic greasing kit
- Complete safety equipments for CE request of EN16228
- Customer kit impact wrench, greasing kit on
- base carrier, oil pump, water pump c/w winder and lance
- Hydraulic hose for 120 m depth c/w extra spare hose
- Heavy duty mud hose assembly for 120 m

SH-30 / SH-40 MODULE DATA SHEET





| ModuleType | SH-30 | SH-30 | SH-40 | SH-40 |
|----------------------|----------------|----------------------|----------------|-----------------------|
| Body length (L) | 10,5 m | 34.4 ft | 13 m | 42.7 ft |
| Weight class | 30000 kg | 66139 lb | 40000 kg | 88185 lb |
| Torque range | 93 - 131 kNm | 68593 - 96620 lbf*ft | 93 - 153 kNm | 68593 - 112847 lbf*ft |
| Drilling speed range | 23 - 16 rpm | 23 - 16 rpm | 23 - 14 rpm | 23 - 14 rpm |
| Trench length range | 2600 / 3000 mm | 102.4 / 118.1 in | 2800 / 3200 mm | 110.2 / 126 in |
| Trench width range | 700 / 1200 mm | 27.6 / 47.2 in | 800 / 1500 mm | 31.5 / 70.9 in |

STANDARD EQUIPMENT

- Double axis inclinometer
- DMS verticality control system
- Scrapers folding system allows a fast drums assembly/disassembly
- Independent mobile flaps, 6 upper
- (3 position) and 6 lower (2 position)
- High performance mud pump (170 kW)
- Anti-wearing interchangeable flipper teeth cam
- Wide range of cutting drums for the va-
- rious soil types
- Module rotation system (± 90°)
- Motoreducer tungsten protection plate

OPTIONAL EQUIPMENT

- Simultaneous or independent tilting cutters
- Triple axis inclinometer
- High accuracy triple axis inclinometer (especially designed for depth excavation)

CUTTING DRUMS CHART



Standard Teeth Drums

Coarse and cohesive soil, alluvial soil with small size of soft rocks boulders, medium-soft decompressed rocks (10 MPa UCS)



HD Teeth Drums

Mixed soils, fractured and medium decompressed rocks (20 Mpa UCS)



Standard Pick Drums

Mixed soils with boulders, fractured and medium-hard decompressed rocks (20-50 Mpa UCS)



Auger Pick Drums

Low fractured medium and hard rock formation (30-100 MPa UCS)



HD Pick Drums

Not fractured hard-extremely hard rock formation (50-300 MPa UCS)

SC-130 Tiger Plus Diaphragm Wall Equipment

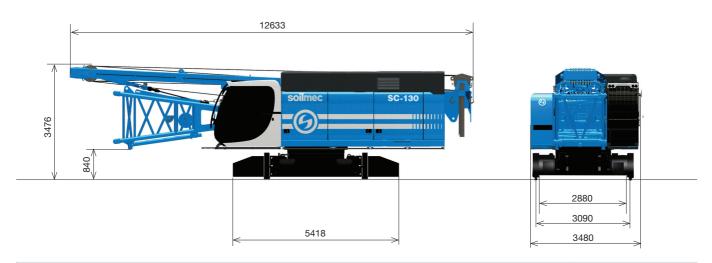
HYDROMILL CUTTING UNIT

| Panel width | 800 mm / 31.5 in | 1000 mm / 39.4 in | 1200 mm / 47.3 in | 1500 mm / 59 in |
|-------------|------------------|-------------------|-------------------|-----------------|
| H-9/11 | | | | |
| HH-11 | | | | |
| HH-13/15 | | | | |

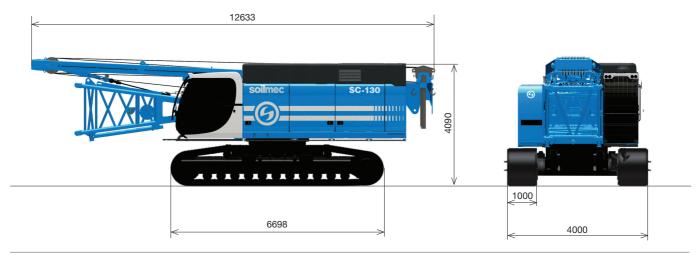
| Cutting Unit | H-9 | H-9 | H-11/HH-11 | H-11/HH-11 | HH-13 | HH-13 | HH-15 | HH-15 |
|----------------|--------|--------------|------------|--------------|---------|--------------|---------|---------------|
| Rated torque | 93 kNm | 68593 lbf*ft | 109 kNm | 80394 lbf*ft | 131 kNm | 96620 lbf*ft | 153 kNm | 112847 lbf*ft |
| Drilling Speed | 23 rpm | 23 rpm | 20 rpm | 20 rpm | 16 rpm | 16 rpm | 14 rpm | 14 rpm |

SC-130 HD Tiger Plus Diaphragm Wall Equipment

TRANSPORT, DIMENSIONS AND WEIGHTS



| Main machine (SC37 FW undercarriage) | | |
|--------------------------------------|----------|-----------|
| Width | 3500 mm | 137.8 in |
| Weight | 49000 kg | 108025 lb |



| Main machine (SC39 FW undercarriage) | | |
|--------------------------------------|----------|-----------|
| Width | 4000 mm | 157.5 in |
| Weight | 79500 kg | 175268 lb |

| Counterweight (36t / 79366 | lb) | |
|----------------------------|----------|----------|
| Base width | 1125 mm | 44.3 in |
| Base weight | 17000 kg | 37480 lb |
| Block width | 996 mm | 39.2 in |
| Block weight | 15500 kg | 3420 lb |
| | | |

| Sideframes | | |
|------------|----------|------------|
| Width | 1000 mm | 39.4 in |
| Weight | 14000 kg | 30864.7 lb |
| | | |

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