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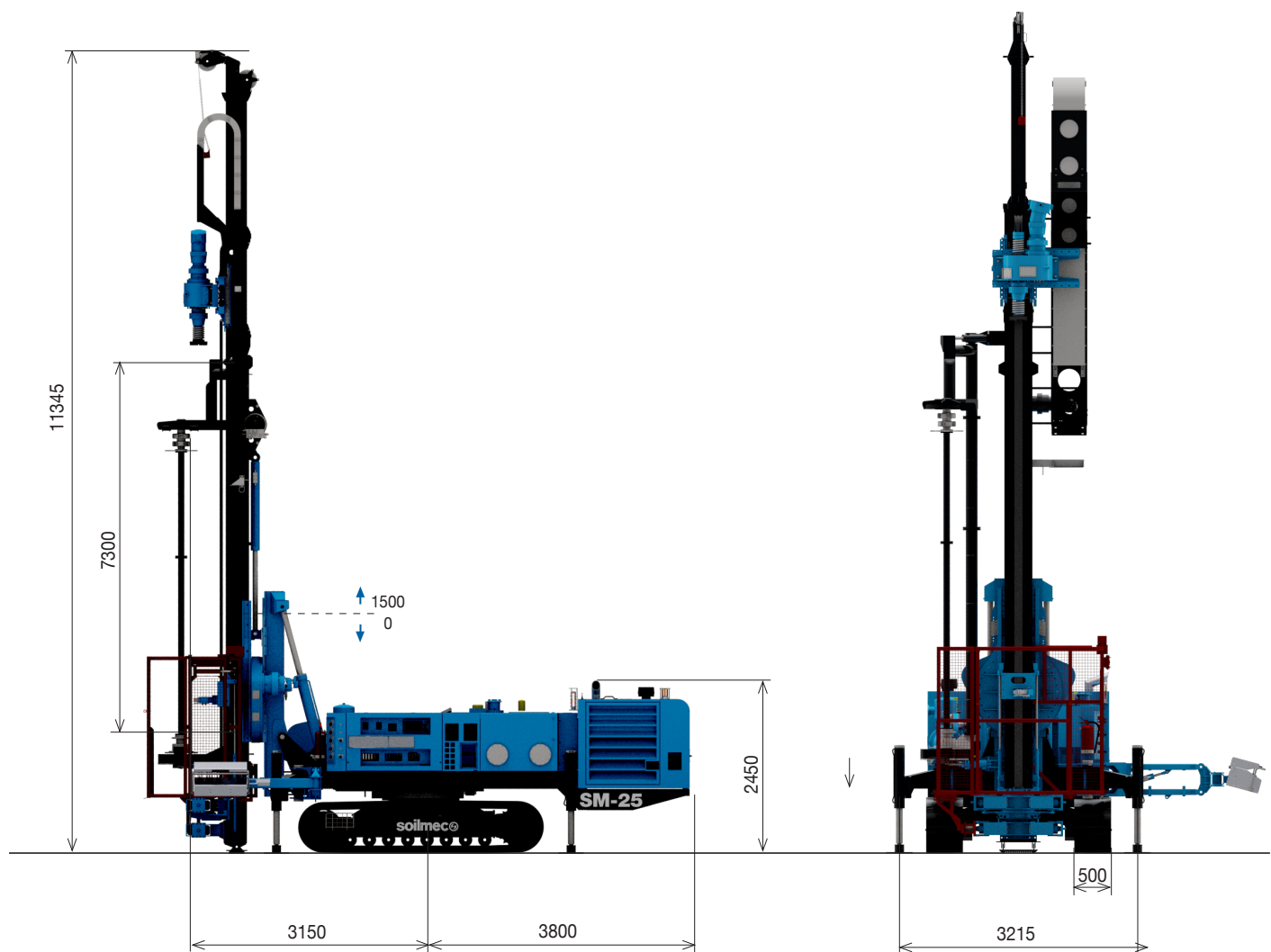


SM-25

Micropiles

soilmec®

SM-25



Technical Data



Undercarriage		fixed gauge
Triple grouse track shoe width	500 mm	19.7 in
Wheel base (centre idler to centre sprocket)	2750 mm	108.3 in
Overall length	3475 mm	136.8 in
Overall width (not extendable crawler)	2450 mm	96 in
Travelling speed	1,9 km/h	1.2 mph
Ground stabilizer		N°2 pivoting by cilinder on front + N°2 fixed on rear



Diesel Engine		Cummins B6.7
Emission certification	EU stage V - US EPA tier 4f	
Diesel engine power rating	209 kW @ 2200 rpm	280 HP @ 2200 rpm
Fuel tank capacity	350 l	92 US gal



Hydraulic system		
Main pumps: variable axial pumps	214 + 214 l/min	57 + 57 gal/min
Auxiliary pumps: gear pumps	64 + 40 + 22 + 100 l/min	17 + 11 + 6 + 26 US gal/min
Hydraulic oil tank capacity	600 l	159 US gal



Hoist & Feed system		Motoreducer
Feed Stroke std	7300 mm	287 in
Feed Stroke available	4400 / 5800 / 10300 mm	173 / 228 / 406 in
Hoist pull	110 kN	24729 lbf
Feed force	110 kN	24729 lbf



Clamp & hydraulic joint breaker		
Nominal size	60 - 415 mm	2.4 - 16.3 in
Maximum clamping force	266 kN	59798 lbf
Maximum breaking torque	5200 daNm	38353 lbf*ft



Rotary heads		HR-13V
Maximum torque	1300 daNm	9588 lbf*ft
Maximum rotation	410 rpm	410 rpm



Service winch		Controlled descent
1°layer line pull	24 kN	5395 lbf
Rope diameter	10 mm	0.4 in
Rope speed	46 m/min	151 ft/min



Rod carousel		
N°of rods	10	10
Rod diameters	76 - 114 mm	3.0 - 4.5 in
Rod length	3000 / 4500 / 6000 mm	118 / 177 / 236 in

Jet Grouting		
Max treatment depth in a single passage (min - max)*	21,4 - 27,3 m	69 - 90 ft
Max rod diameter	114 mm	4.5 in

Transport

Transport data		
Transport width	2450 mm	96.5 in
Transport height (min-max)*	3385 - 3580 mm	133 - 141 in
Transport length (min-max)*	9965 - 15825 mm	392 - 623 in
Transport weight (min-max)*	23200 - 26800 kg	51147 - 59083 lb

*Depending on mast feed stroke type