

# Soilmec SR60



CJA 3036

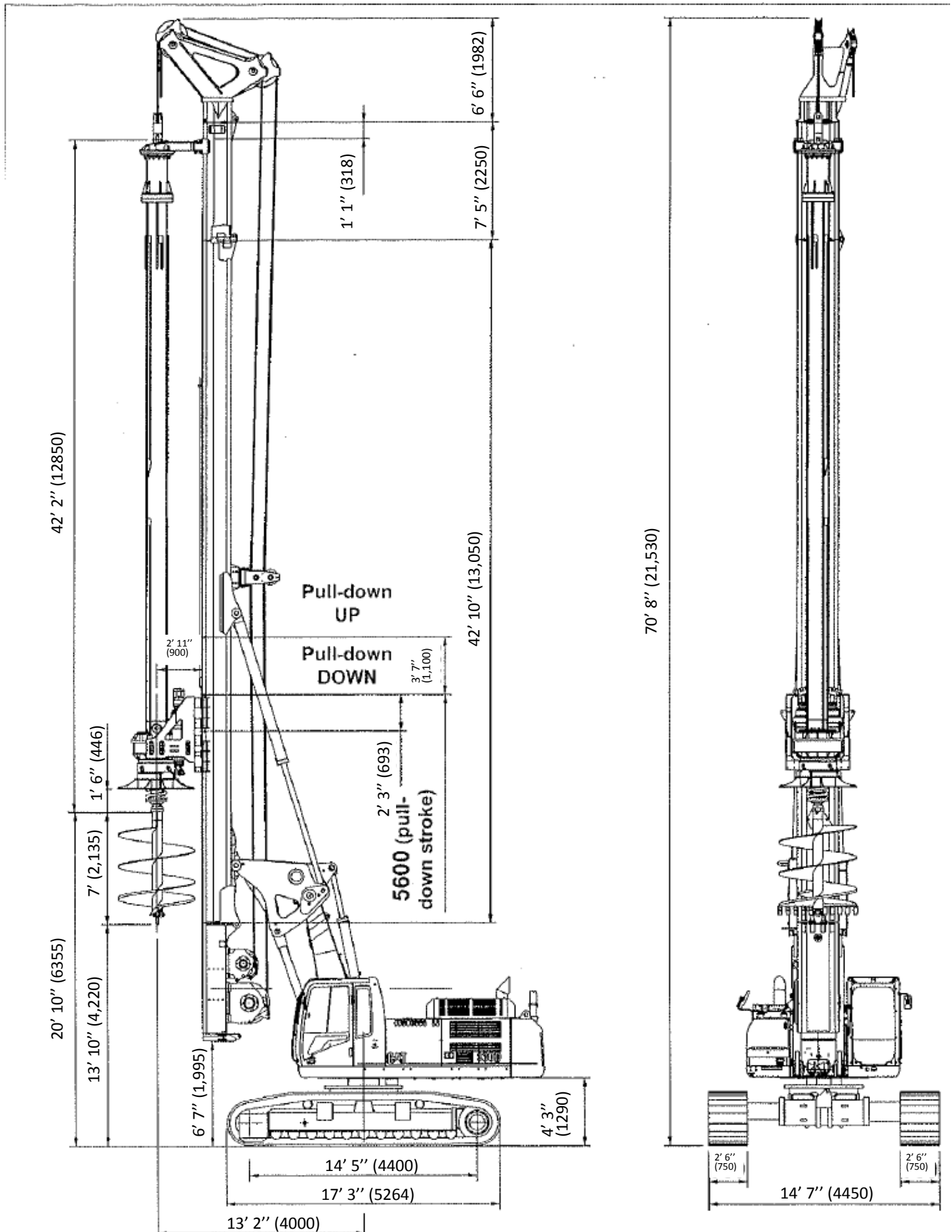
S/N 2718 Model Year 2006

Caterpillar C9 D1

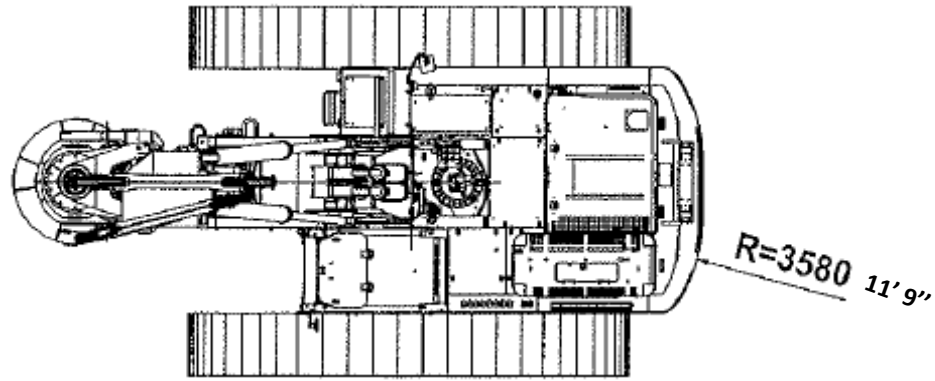
Kelly Bars				
CJA#	Outer Bar	Elements	Box	Weight
8808	44	4	7	
8809	34	4	7	13,000lbs
8813	37	4	7	
8815	41.6	4	7	
8816	40	4	7	

Track length	5258mm	17' 3"
Tracks Extended/retracted	4450/3000mm	14' 7"/9' 10"
Overall length /w. rotary	14478/13056mm	47' 6"/ 42' 10"
Max Drilling Speed	31rpm	
Max Drilling Diameter	1800mm	5' 11"
Max Working Radius	3900-4000mm	12' 10"/13' 2"
Transport weight w/o Kelly bar	55,000kg	121,254lbs
Trucks needed to transport	2	1) Carbody 2) Kelly Bar

# MACHINE IN WORK CONFIGURATION

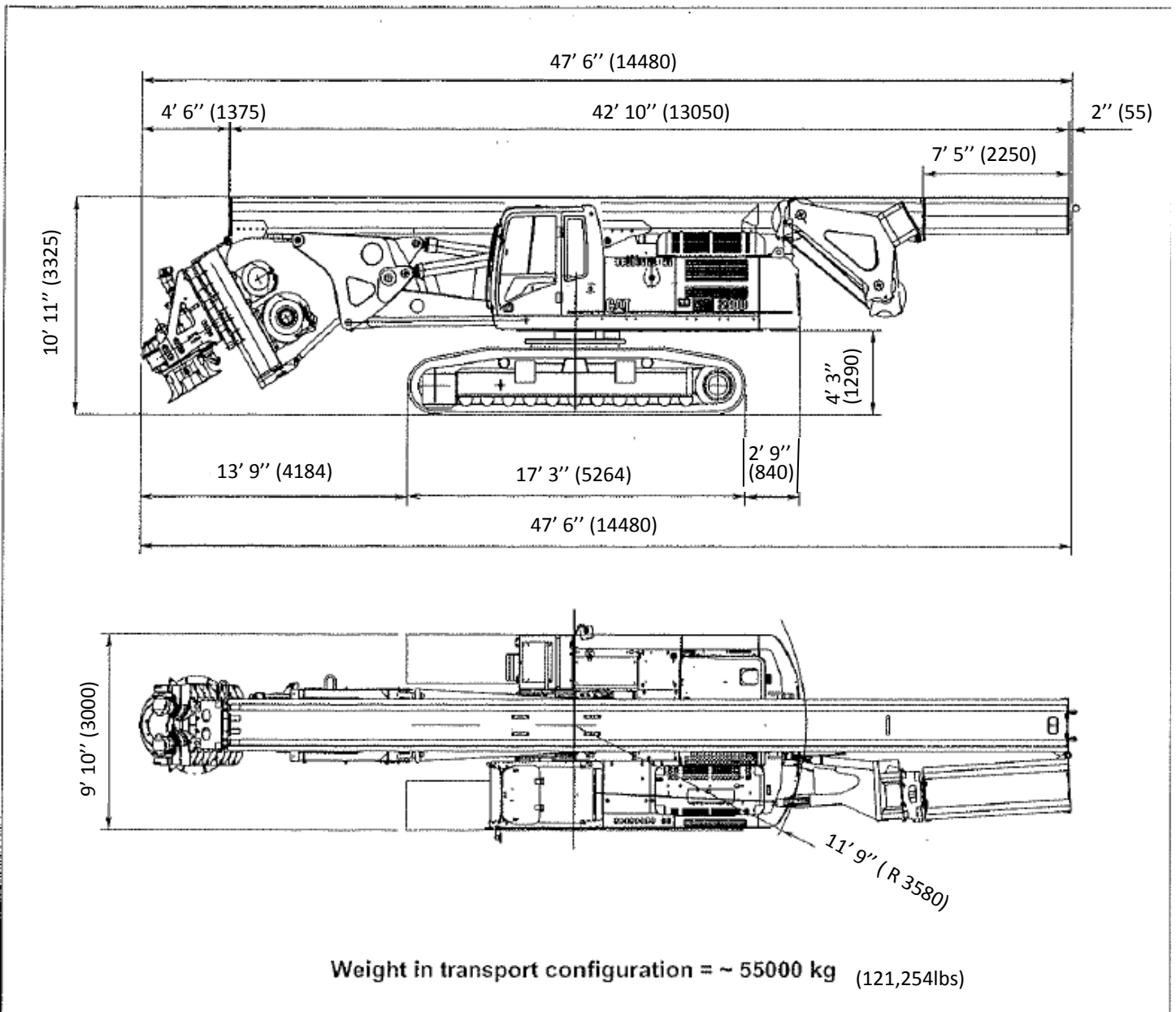


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Weight in work configuration—Kelly version ~63000kg (138,891lbs)

**MACHINE IN TRANSPORT CONFIGURATION**



Weight in transport configuration = ~ 55000 kg (121,254lbs)

<b>Main pump (dual pump with axial pistons)</b>		
Max flow rate	2x280 l/min	
Max pressure	33MPa	
<b>Length of upper element</b>	<b>2250mm</b>	<b>7' 5"</b>
Length of the intermediate element	13050mm	42' 10"
Length of the lower element	2253mm	7' 5"
Max side tilting	3°	
Max forward tilting	3.3°	
Max backward tilting (during operation)	15°	
<b>Type with Hydraulic cylinder</b>		
Max stroke	5600mm	18' 5"
Max feed (on telescopic bar)	95kN	21,357lbs
Max feed (on casing)	153kN	34,396lbs
Max hoist during pull-out phase	245kN	55,078lbs
<b>Internal shaft diameter</b>	<b>ø 406mm</b>	
Calibrated working pressure	33MPa	
Max torque at calibrated working pressure 190 kNm		
Max torque after de-rating	95kNm	
Available speed ranges	0-31rpm	
Max spin-off speed	130rpm	
<b>Max drilling diameter</b>	<b>ø 1800mm</b>	
Max drilling depth that can be reached (with 5x12 friction kelly and pull-down cylinder lowered)	66m	216' 6"
Max drilling speed	31rpm	
Max authorized work radius	3900÷4000mm	12' 10"÷13' 2"
<b>Ground Pressures</b>		
Max pressure on the ground	0.23MPa	
Tramming configuration with vertical mast		
Max pressure on the ground (working configuration)	0.35MPa	
Max pressure on the ground (transportation configuration)	0.14MPa	
Track shoe width	750mm	2' 6"
Width - narrow track gauge	3000mm	9' 10"
Width -broad track gauge	4450mm	14' 7"
Total length	5280mm	17' 4"
Wheel-base	4400mm	14' 5"
Nominal drive force	449kN	100,939lbs
Max tramming speed	2km/h	