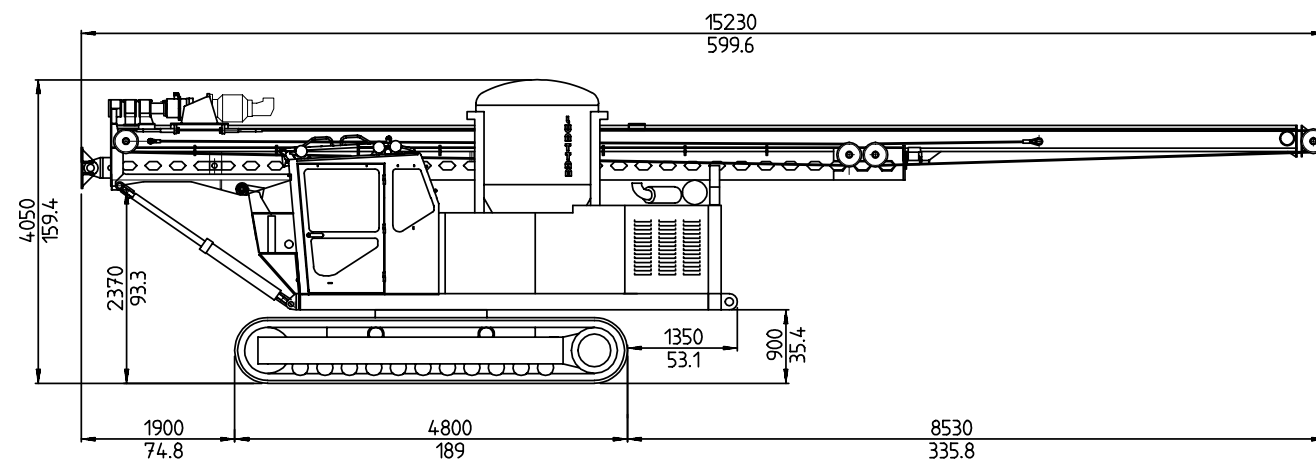
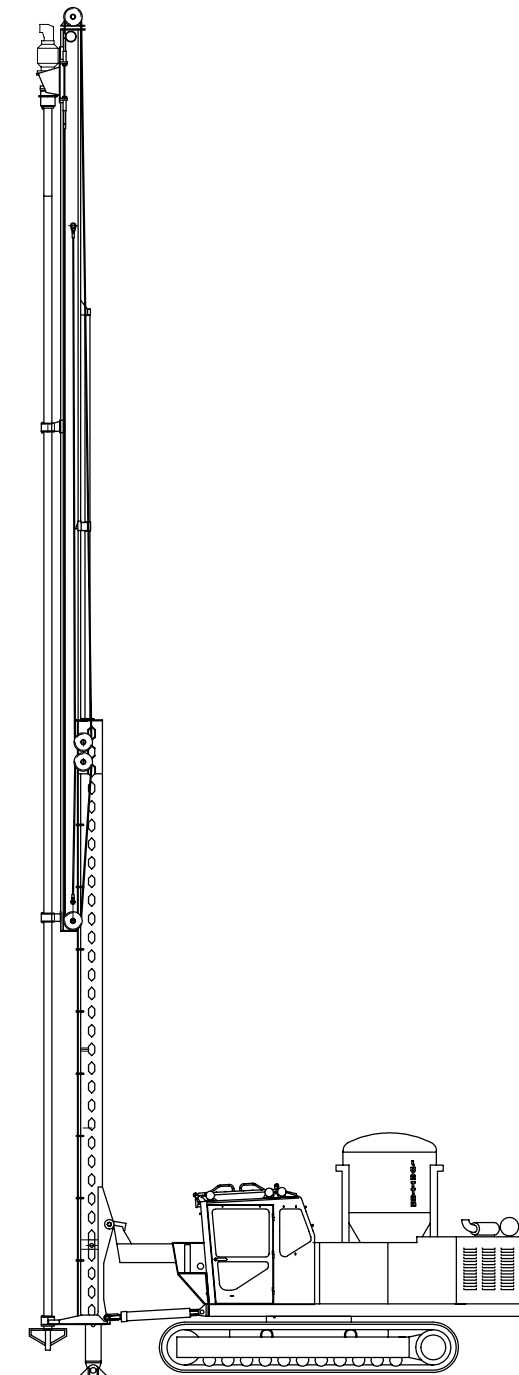


Width and height.



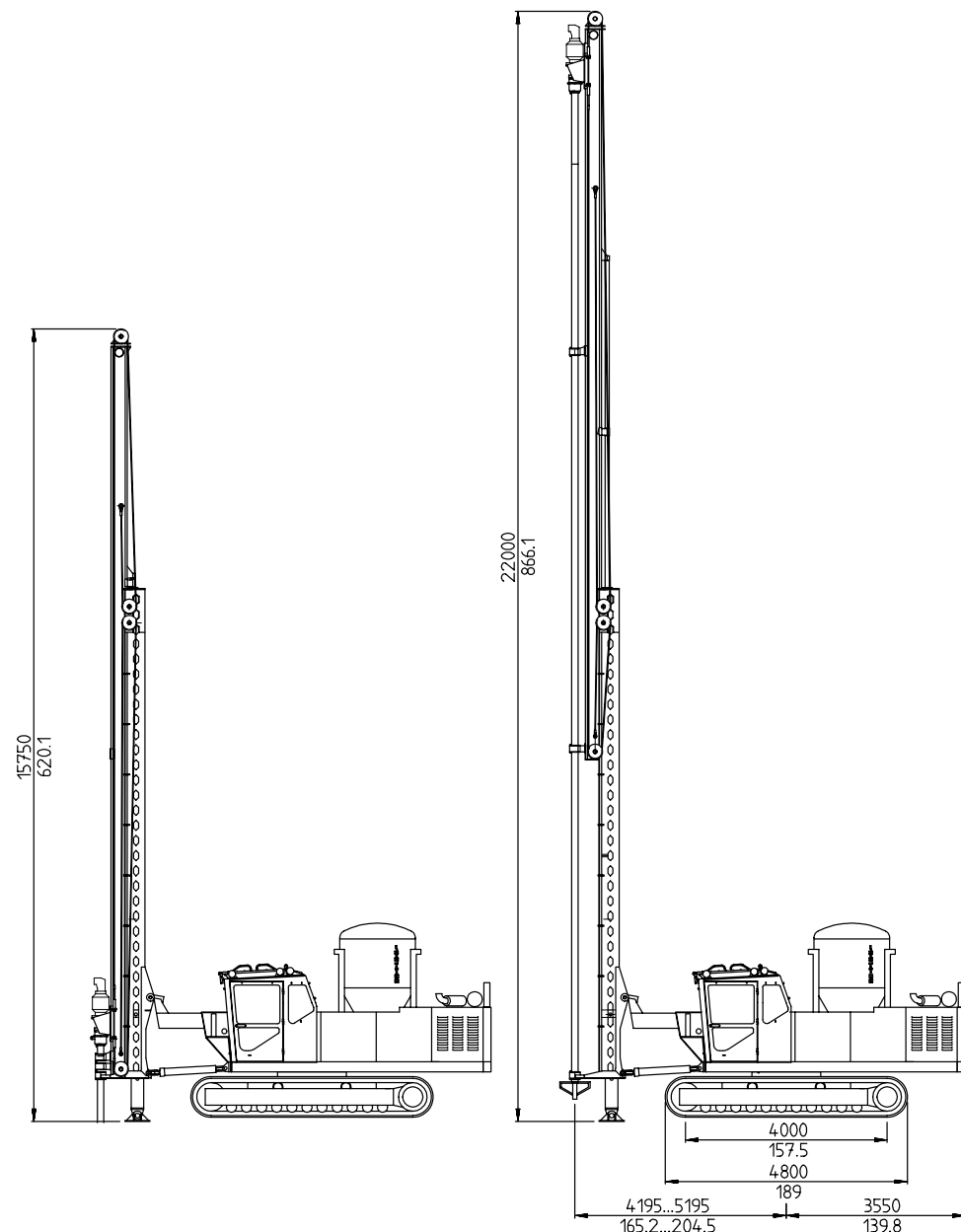
DS 15 transport dimensions.

DS 15 Deep Stabilisation Rig



Junttan DS 15 is a compact, light-weight stabilisation machine which was designed based on the Junttan piling machine. Single body crawler mounted machine is highly stable, exerts little ground pressure and is easy manoeuvred on soft ground. The machine contains two binding agent tanks placed close to the machine's centre of gravity. The maximum columns with this machine are 18 meters (708").

All exhaust air from the pneumatic system is filtered to avoid any environmental contamination. The cab intake air is filtered for the same reason. By using two tanks two different binding agents can be simultaneously at a constant ratio. This is highly useful when the binding agents inter-react and can be bought together at injection. Material to be injected is placed in a tank at the correct mix ratio, and the electronic control equipment monitors the amount of binding agent being used by meter, producing a computerised report of events. The injection tube is fed into the ground using the telescopic leader giving total control of the feed rate.



Leader				
Type			KE DS15	
	Total length	mm (inch)	22000	(866.1)
	Horizontal movement max.	mm (inch)	1000	(39.4)
Service winch	(single line pull, 1. layer)	kg (lb)	1 000	(2 200)
Others			Electronic leader inclinometer	
			Telescopic mast	
			Hydraulic moving leg	
			Guides for drill tool	
Rotary head				
Type			SD 2	
	Max. torque	kNm (ft-lb)	20	(14 760)
	Max. rotation speed	rpm	200	
	Max. column depth	m (inch)	18	(708.7)
Uppercarriage				
Engine	Make and Model	Grade 2	Cummins QSC8.3	
	Power	kW (hp)	239	(320)
	Fuel tank volume	l (gal)	600	(159)
Hydraulics	Hydraulic oil tank volume	l (gal)	600	(159)
	Max. oil flow	l/min	2 x 200 + 2 x 250 at 2000 rpm	
		(gpm)	(2 x 53 + 2 x 66 at 2000 rpm)	
	Max. pressure	bar (psi)	280/350	(4 060/5 080)
Storage tanks	Capacity	m ³ (yd ³)	2x3.8	(2x5)
Compressor	Max. pressure	bar (psi)	8	(116)
	Max. capacity	m ³ (yd ³)/min	6.8	(8.9)
Undercarriage				
Type			AV DS15	
	Crawler length	mm (inch)	4800	(189)
	Width	mm (inch)	3500	(138)
	Triple grouser type track shoes	mm (inch)	1100	(43.3)
Transport dimensions				
	Length	mm (inch)	15230	(599.6)
	Width	mm (inch)	3700	(145.7)
	Height	mm (inch)	4050	(159.5)
	Total weight	kg (lb)	32 000	(70 500)
	Including rotary head (1 000 kg/2 200 lb)			
Approvals				
	Manufactured according to EN 791 standard			