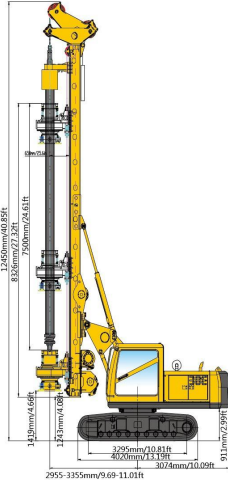




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Materials and specifications are subject to change without notice.
Featured machines in photos may include additional equipment.

DIMENSIONS



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FR80X

Rotary Drilling Rig



Engine

Model : CumminsQSB4.5
 Rated power : 116/2000kW/rpm
 (155/2000hp/rpm)

Drilling Performance

Torque: 80kN.m (59005lbf.ft)
 Max diameter: Φ 1200mm (Φ 47.24in)
 Max depth: 24m (78.74ft)

Working Weight

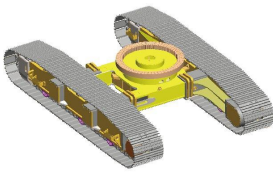
Operating weight with Kelly bar:
 27t (59525lb)



Rotary Drilling Rig FR80X

TECHNICAL CHARACTERISTICS

- 1. Equipped with dedicated hydraulic retractable crawler chassis and large diameter slewing bearing, it provides extraordinary stability and transport convenience;
- 2. The imported electronic turbo charged CumminsQSB4.5 engine has strong power and meets EU stage III and EPA CARB Tier 3 emission standard. Tier 4 Final emission standard Volvo engine is optional.



- 3. The Kawasaki hydraulic system with load-sensing control and negative flow control that makes the hydraulic system more efficient.

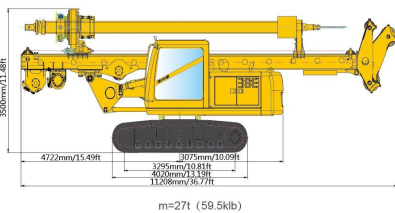


- 4. The machine can be transported with Kelly bar. The light transport weight makes it easy to load and unload.

- 5. The ergonomic design of the cabin makes operation more comfortable.



Main machine transportation data



DIMENSIONS

Item	US		Metric
	Rotary drive	Max. torque	59005lbf.ft
	Rotary speed	9-42r/min	9-42r/min
Crowd winch	Max. lifting force	22480lbf	100kN
	Max. crowd force	22480lbf	100kN
Main winch	Rotary drive stroke	24.6ft	7.5m
	Line pull force	17985lbf	80kN
	Line speed (max)	249ft/min	76m/min
Auxiliary winch	Rope diameter	0.788in	20mm
	Line pull force	6744lbf	30kN
	Line speed (max)	196ft/min	60m/min
	Rope diameter	0.63in	16mm
Engine	Model	Cummins QSB4.5	
	Aspiration	turbocharged and charge air cooled	
	Number of cylinders	4	
	Bore	4.21in	107mm
	Stroke	4.88in	124mm
	Displacement	0.99gal	4.5L
	Rated power	155hp	116kW
	Emission certification	EU StageIII, EPA CARB Tier 3	
Hydraulic system	Fuel tank	56.3gal	440L
	Brand of main components	Kawasaki	
	Hydraulic pressure	350bar	35MPa
	Flow (main loop +auxiliary loop)	2 × 35.2gal/min+19.8gal/min	2×160L/min+90L/min
	Hydraulic oil tank capacity	61.6gal	280L
Chassis	Type	TDP20	
	Overall length	158.4in	4020mm
	Wheel-base	129.8in	3295mm
	Crawler width (retracted-extended)	98.5-134in	2500-3400mm
	Width of track shoes	23.6in	600mm
	Ground pressure	68bar	68kPa
Slewing	Traction force	35520lbf	158kN
	Max. travel Speed	8202ft/h	2.5km/h
Noise	Max. slewing speed	3.5r/min	3.5r/min
	Noise emission correspond	2000/14/EC	
	Guaranteed sound pressure level Lpa in the cabin	75dB(A)	
Mast inclination	Guaranteed sound pressure level Lwa	110dB(A)	
	Lateral	5° /5°	
Kelly bar	Forward/backward	5° /15°	
	Diameter	Φ 11.78in	Φ 299
	Head size	5.1 × 5.1in	130 × 130mm