



FR60A Drill Rig



FES China Limited

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specification of FR60A

Item	US units	metric units
Kelly drilling function		
Max. drill diameter	47in	1200mm
Max. drill depth	75ft	23m
Crowd force	23,700lbf	105kN
Pulling force	24,700lbf	110kN
Mast stroke	5.2ft	1600mm
Rotary head crowd stroke-cylinder	4.6ft	1400mm
Rotary head total stroke	9.8ft	3000mm
Min. working height	23.7ft	7227mm
Engine power	120hp	90kW
Mast forward inclination		$\geq 10^\circ$
Mast backward inclination		$\geq 10^\circ$
Mast left/right inclination		$\pm 5^\circ$
Rotary head		
Maximum output torque	44,200lbf.ft	60kN.m
Drilling speed		0-40rpm
Spin off		80rpm
Winch		
Main winch pulling force	17,900lbf	80KN
Aux. winch pulling force	7,870lbf	35KN
Crowd system		
Crowd force	23,700lbf	105KN
Lifting force	24,700lbf	110KN
Transport parameter		
Transport length	434in	11030mm
Transport width	98in	2490mm
Transport height	127in	3230mm
Transport weight	50,630lbs	23000kg

