

Boom-type Down-the-hole Drilling Rig



Scan to get a special offer

- ◆ A high-strength multi-degree-of-freedom boom, multispect drilling, and a very good flexibility at different angles like horizontal borehole, vertical borehole, etc.;
- ◆ A floating chassis, a crawler frame with swing within $\pm 10^\circ$, large in driving force, fast in traveling speed, a good off-road capability, and more suitable for rugged workplaces;
- ◆ Compact in overall structure, small transportation dimensions, and convenient for transfer between different site;
- ◆ A cab compliant with ROPS and FOPS requirements, good in view, delicately organized, and safe and comfortable for operation ;
- ◆ Intelligent control, Sunward Could system and synchronous transmission of operation data for you to grasp the construction state at any time.



Main parameters		SWDE120B-3	SWDE120S-3	SWDE138B	SWDE152B	SWDE165B	SWDE138	SWDE165A	SWDF138	
Operation parameters	Drilling range	mm	115~127	115~127	115~138	138~165	138~180	138~152	138~180	115~152
	Impactor		4"	4"	4", 5"	5"	5", 6"	5"	5", 6"	4", 5"
	Drill pipe diameter	mm	76	76	76, 89	102, 114	114	102	114	76, 89
		m	4m×7	4m×7	4m×7	6m×6	6m×6	6m×6	6m×6	3m×6
	Maximum hole depth	m	28	28	28	36	36	36	36	18
Dust removal device	Dry-type (standard) and wet-type (optional)									
Air compressor	Working pressure	bar	17	20	21	21	21	20	20	13.8~20
	Displacement	m ³ /min	16.2	16.5	19.3	19.3	24	18.6	24.1	12~21.2
	Power	kW/rpm						194/1800	262.5/1900	
Engine	Manufacturer		CUMMINS	CUMMINS	CUMMINS	CUMMINS	CUMMINS	CUMMINS	CUMMINS	CUMMINS
	Model		QSL8.9-C325	QSC8.3-C260	QSL8.9-C360	QSL8.9-C360	QSM11-C400II	QSB4.5	QSB4.5	QSB4.5
	Power	kW/rpm	242/2100	194/2200	264/2100	264/2100	298/2100	97/2200	97/2200	82/2200
	Fuel tank	L	450	450	520	680	800	800	800	140
Propulsion	Total length of propulsion girder	mm	7350	7350	7350	10070	10070	9230	9230	5920
	Compensated travel	mm	1200	1200	1200	1300	1300	1300	1300	800
	Maximum propulsion	kN	30	30	30	35	40	35	40	32
	Forward inclination	°	140	140	140	140	140	140	140	140
	Rollback	°	-20~90	-20~90	-20~90	-20~90	-20~90	-20~90	-20~90	-20~90
Boom	Lifting angle	°	50~30	50~30	50~30	50~30	50~30	50~30	50~30	50~30
	Swing angle	°	L15 R45	L15 R45	L15 R45	L15 R45	L15 R45	L15 R45	L15 R45	L15 R45
Traveling capability	Traveling speed	km/h	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	Maximum traction force	kN	100	100	100	125	125	125	125	100
	Gradeability	°	25	25	25	25	25	25	25	25
	Swing angle of crawler frame	°	±10	±10	±10	±10	±10	±10	±10	±10
	Ground clearance	mm	438	438	480	480	480	480	480	480
Slewing	Slewing speed	rpm	110	110	110	105	105	105	105	70
	Slewing torque	Nm	3000	3000	3800	4500	5500	4500	5500	3000
Overall dimensions of boom	Weight	kg	14500	14200	14800	22500	23500	22000	25000	12000
	LxWxH (working)	m	7.9×2.5×7.65	7.9×2.5×7.65	8.2×2.7×7.65	9.2×2.7×10.45	9.5×2.7×10.45	9.2×4.25×9.96	9.8×4.35×9.96	6.3×2.5×6.2
	LxWxH (transportation)	m	9.98×2.5×3.42	9.98×2.5×3.42	10.28×2.7×3.42	11.2×2.7×3.6	11.2×2.7×3.6	11.4×3.1×3.6	12×3.3×3.6	8.2×2.5×3.2