



SBSH-270

Rotary Drilling Rig

Performance parameters

Parameters	Modifications	
	SBSH-270	SBSH-270A
Diameter of rock roller bits ,mm	244,5; 269,0	
Maximum depth of drilling, m:		
-by a single drilling rod	10	19,5
-total	32	28,0
Borehole inclination to vertical at upbuilding drilling, deg.	0, 15, 30	
Axial feed force, kN	450	
Maximum rock roller bit rotations per minute, rpm	120	112
Rock roller bit torque, kN.m, at least:		
-nominal torque	8,4	10,2
-maximum instantaneous torque (up to 45 sec.)	13,0	13,1
Nominal power of swivel head, kW at 100% , at least	105	120
Maximum hoisting/lowering speed of drill string, m/min.	16	

The dimensions are basic and can be changed.

	SBSh-270	SBSh-270A
Nominal feed speed in operating mode, m/min	0 ÷ 6	
Compressor	Screw 1BB 40/6BM2U2	Screw BB-50/8TC2
Compressor capacity, m ³ /min.	38	50
Nominal pneumatic air pressure, MPa	0,5	0,785
Dust suppression	a) by air-and-water mix b) dry	by air-and-water mix
Propel motor capacity, kW	65	70
Type of brake of propel mechanism	TKG-300	TKG-400
Crawler track-to-ground pressure, MPa, not more than	0,15	0,16
Gradeability at hard ground, deg., not more than	12	
Travel speed, km/h	1,6	1,36

Electrical equipment

	630	
Cable drum capacity, m	630	
Kind of energy input	three-phase alternating current 6 kV	three-phase alternating current 6,3 kV
Secondary voltage, V	380, 220, 24, 12	

Mass and dimensions parameters

Overall dimensions, m:		
-width	6,3	6,0
-length of drilling rig with raised drill tower	12,8	13,6
-length of drilling rig with lowered drill tower	19,0	27,9
-height of drilling rig with raised drill tower	19,5	29,6
-height of drilling rig with lowered drill tower	6,1	8,0
Weight, t	135	145