



TECHNICAL SPECIFICATIONS

11947 – 1
03/2012 – 01

HC112 & HC112 GT60

Max. strike flow	l/mn	<i>GPM</i>	170			45		
Max. strike pressure	bar	<i>PSI</i>	160			2322		
Max. strike frequency	Hz	<i>BPM</i>	50			3000		
Energy per blow	J	<i>ft-lb</i>	580			430		
Max. inlet power	kW	<i>hp</i>	45			61		
Max. outlet power	kW	<i>hp</i>	29			39		
Rotation motor capacity	cm ³	<i>Cu.in</i>	160	200	250^{GT60}	9.76	12.2	15.25
Rotation flow motor maxi	l/mn	<i>GPM</i>	75	75	85	19.8	19.8	22.4
Max. rotation speed motor	t/mn	<i>RPM</i>	169	135	122	120	135	169
Max. rotation torque motor	Nm	<i>ft-lb</i>	1116	1392	1755	1149	1027	803
Max. rotation pressure	bar	<i>PSI</i>	175			2537		
Air flushing pressure	bar	<i>PSI</i>	10			145		
Air flushing flow	m ³ /mn	<i>CFM</i>	13			460		
Water flushing pressure	bar	<i>PSI</i>	20 ↗ 30			290 ↗ 435		
Water flushing flow	l/mn	<i>GPM</i>	50 ↗ 100			13 ↗ 26		
Front guide lubrication pressure	bar	<i>PSI</i>	2,5 – 3			36 – 44		
Front guide lubrication air flow	l/mn	<i>GPM</i>	600			158		
Front guide lubrication oil ISO VG 100, 150 cSt / 40° C	–	–	30 drops/mn			30 drops/mn		
Weight maxi.	kg	<i>lb</i>	248			546		
Bit diameter	mm	<i>in</i>	102	127	152	4"	5"	6"
Rod diameter	mm	<i>in</i>	45–51	51	GT60	1" 3/4–2"	2"	GT60
Accumulator volume	cm ³	<i>inch³</i>	374			22,8		
Accum. Nitrogen pressure HP	bar	<i>PSI</i>	60			870		
Accum. Nitrogen pressure BP	bar	<i>PSI</i>	5			72		
Oil viscosity	cSt	<i>cSt</i>	ISO VG 32 / ISO VG 46			ISO VG 32 / ISO VG 46		
Oil temperature	°C	<i>°F</i>	40 to 60			104 to 140		
Air and water flushing temperature	°C	<i>°F</i>	5 to 40			41 to 104		
Feed force mini – maxi	N	<i>lbf</i>	15000 – 17000			3370 – 3820		
Collaring feed force	N	<i>lbf</i>	11000			2473		
Collaring strike pressure	bar	<i>PSI</i>	90			1305		
Strike back pressure maxi.	bar	<i>PSI</i>	12			174		
Rotation back pressure maxi.	bar	<i>PSI</i>	15			218		
Dampening system pressure	bar	<i>PSI</i>	120			1750		
Drain pressure maxi.	bar	<i>PSI</i>	NA			NA		
Drain flow approx.	l/mn	<i>GPM</i>	NA			NA		
Maximum retract force (reverse percussion)	N	<i>lbf</i>	38800 N @ strike pressure 100 bar					
			8720 lbf @ strike pressure 1450 PSI					



Please consult us before using specific oil (non-inflammable, biodegradable, ...).