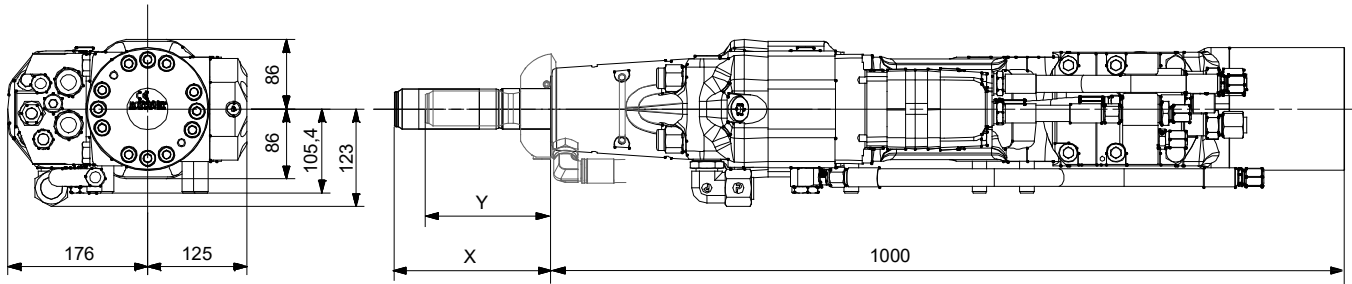


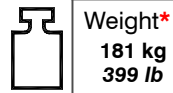


# TECHNICAL SPECIFICATIONS

## HC 95 LQ



	X		Y
T51	175,5	T38	125
T45	163,5	T45	140



<b>Power class</b>		kW	hp	24	32		
Hole range (typical)	(mini - maxi*)	mm	In.	51 - 102	2 - 4		
Strike flow	(mini - maxi)	l/mn	GPM	106 - 138	28 - 36.5		
Strike pressure	(mini - maxi)	bar	PSI	180 - 200	2612 - 2902		
Strike frequency	(mini - maxi*)	Hz	BPM	48 - 57	2900 - 3400		
Energy per blow	(mini - maxi*)	J	ft.lb	349 - 430	257 - 317		
Power out	(mini - maxi*)	kW	hp	17 - 24	23 - 32		
Percussion inlet power	(mini - maxi)	kW	hp	32 - 46	43 - 62		
Rotation motor capacity		cm <sup>3</sup>	Cu.in	160	200	9.7	12.2
Rotation flow motor maxi.		l/mn	GPM	75	75	20	20
Max. rotation speed motor		t/mn	RPM	296	236	296	236
Max. rotation torque motor		Nm	ft.lb	764	955	563	703
Max. rotation pressure		bar	PSI	210		3047	
Air flushing pressure	(mini - maxi*)	bar	PSI	7 - 10		102 - 145	
Air flushing flow		m <sup>3</sup> /mn	CFM	8		286	
Water flushing pressure	(mini - maxi*)	bar	PSI	14 - 24		203 - 348	
Water flushing flow	(mini - maxi*)	l/mn	GPM	60 - 120		16 - 32	
Front guide lubrication pressure		bar	PSI	3		44	
Front guide lubrication air flow		l/mn	GPM	300		79	
Front guide lubrication oil		cm <sup>3</sup> /mn	cc/mn	0,5		0.5	
Accum. Nitrogen pressure HP		bar	PSI	60		871	
Accum. Nitrogen pressure BP		bar	PSI	5		72.5	
Recommended oil viscosity		cSt	cSt	ISO 46		ISO 46	
Oil viscosity at working temperature	(mini - maxi*)	cSt	cSt	15 - 30		15 - 30	
Oil operating temperature	(mini - maxi*)	°C	°F	50 to 75		92 to 167	
Thrust feed force	(mini - maxi*)	N	lbf	11000 - 13000		2473 - 2923	
Collaring feed force		N	lbf	9000		2023	
Collaring strike pressure		bar	PSI	110		1596	
<b>Percussion Back pressure</b>							
Recommended without percussion drain		bar	PSI	<5		<72.5	
Recommended with percussion drain		bar	PSI	<5		<72.5	
Maximum working without percussion drain		bar	PSI	5		72.5	
Maximum working with percussion drain		bar	PSI	12		174	
Rotation back pressure (maxi.)		bar	PSI	30		435	
External HP line pressure	(mini - maxi*)	bar	PSI	180 - 200		2612 - 2902	
External HP flow approximate when no percussion		l/mn	GPM	12		3.2	
Drain pressure (maxi.) if equipped		bar	PSI	2		29	
Drain flow approximate if equipped		l/mn	GPM	10		2.6	
Maxi. Retract force with reverse percussion (optional) at 100 bar (1451 PSI)		N	lbf	14000		3147	



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

\* This values are given for information, depending of drilling conditions or configurations.