

Operating Data		
Max. net energy/blow	90	kNm
Min. Net energy/blow	2	kNm
Blow rate(max energy)	46	Blows/min
Weights		
Ram	4.5	tons
Hammer(incl. Ram, in air)	9.65	tons
Hydraulic data		
Operating pressure	280	bar
Max. pressure	350	bar
Max. oil flow	250	l / min

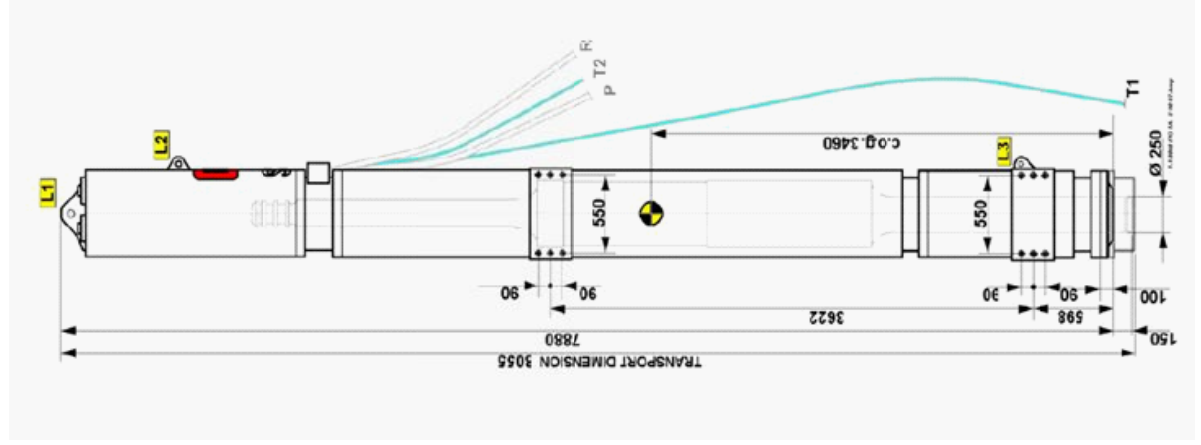
Nitrogen filling pressure
Vertical pile driving only!

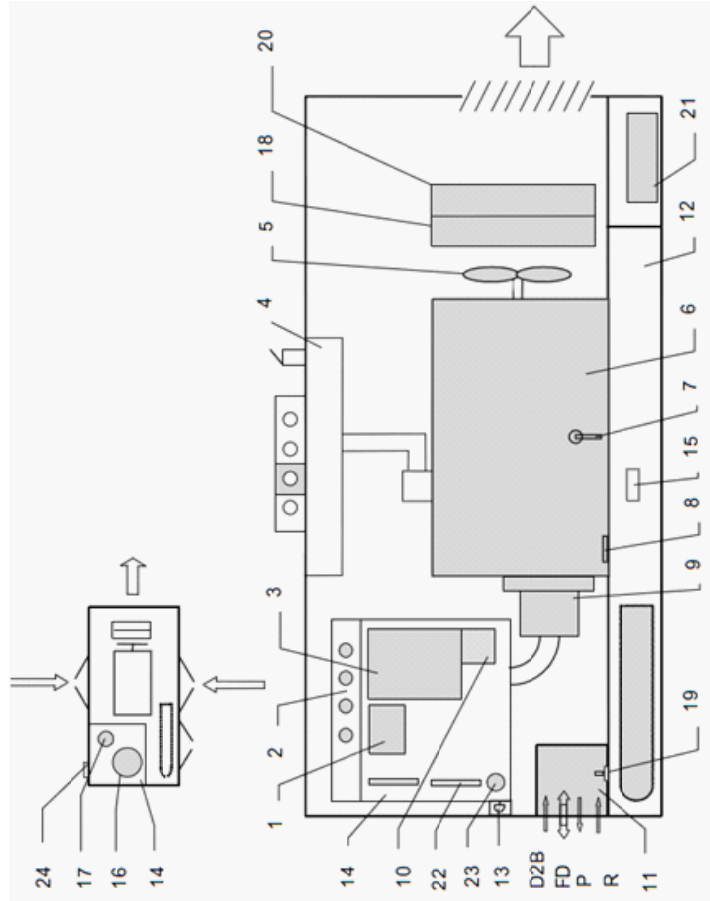
Supply accumulator	120-140	bar
Return accumulator	4-5	bar
Cap	12-16	bar
Safety setting		
Cap	40	bar
Hose connections		
Oil supply 1 1/4" hose (P)	M52x2	male
Oil return 1 1/4" hose (R)	M52x2	male
Nitrogen / air to gap (CA)	R 3/4"	male
Extr. to extraction cap (T1)	R 1/2 "	male
Extr. from powerpack (T2)	R 1/2 "	male

Working load limit (WLL) and hole diameter

L1	25 ton	Diameter: 52 mm	Thickness: 70mm
L2 / L3	9 ton	Diameter: 40 mm	Thickness: 40 mm
L3 / L5	35 ton	Diameter: 60 mm	

IHC S90





Technical specification and data:	
max ambient temperature	+ 45 degrees celsius
Lifting equipment	Grouped lifting eyes; depth x thickness: 30x40 mm; hole Ø40 mm; shackle 13.5 tons (Use grey marked lifting eye when hydr. oil reservoir and fuel tank are topped up)
Container	
Net weight	Approx. 4.000 kg
Weight incl. Fuel and oil	Approx. 5.200 kg
Dimensions L x W x H	3500 x 1350 x 1950 mm
Capacity of fuel tank	Approx. 700 litres
Capacity of hydraulic oil tank	Approx. 750 litres
Hydraulic oil	TOTAL FINA ELF Equivis ZS 32 or equal
Diesel engine	
Make / model / type	Volvo Penta / TAD721VE / Four stroke cycle, 6 cylinder in line, water cooled turbocharged
Rated engine output	188 BkW at 2200 rpm (ISO 3046-BS5514)
Starting system	24 V battery system (135Ah)
Cooling system	Closed loop coolant, aircooled by radiator
Hydraulic pump	
pump make / model	Poclain / L6H14 FOR, 32 cc/rev.
Pump capacity / Rated pressure	250 l/min / 350 bar
Pump capacity control	50 / 75 / 100 %
Hose connection	1 1/2" quick connector (1 connector & 1 nipple) for 1 1/4"hydr. hose, 1x 1/2"for air cap
Cooling system hydr. circuit	
Cooling capacity: 45 kW @ 70 degrees celsius (return flow) Separate radiator for hydraulic oil and engine coolant.	

1	Control box	11	Hydraulic manifold	20	Engine coolant radiator
2	Gauge panel	12	Fuel tank	21	Battery
3	Engine panel	13	Emergency stop button	22	Level gauges (hydr. oil reservoir)
4	Exhaust silencer	14	Hydraulic oil reservoir	23	Temp. indicator (hydr oil)
5	Cooling fan	15	CE identification plate	24	Cover, back pressure valve
6	Diesel engine	16	Cover, manhole hydr. oil reservoir		Hydraulic hoses:
7	Battery main switch	17	Cover, return filter	P	Supply to hammer
8	Level indicator (fuel tank)	18	Hydraulic oil radiator	R	Return from hammer
9	Hydraulic pump	19	Nitrogen bottle connection	FD	Nitrogen to cap/ cap drain
10	Return filter			D2B	Drain leakage chamber