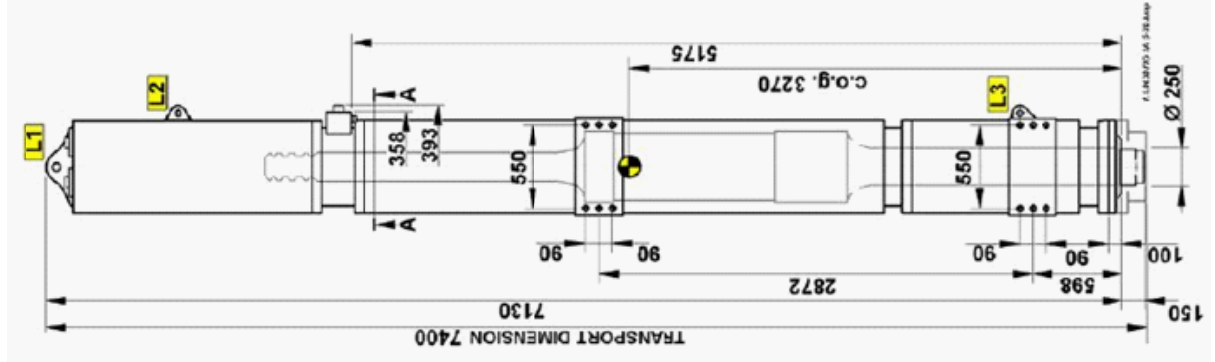
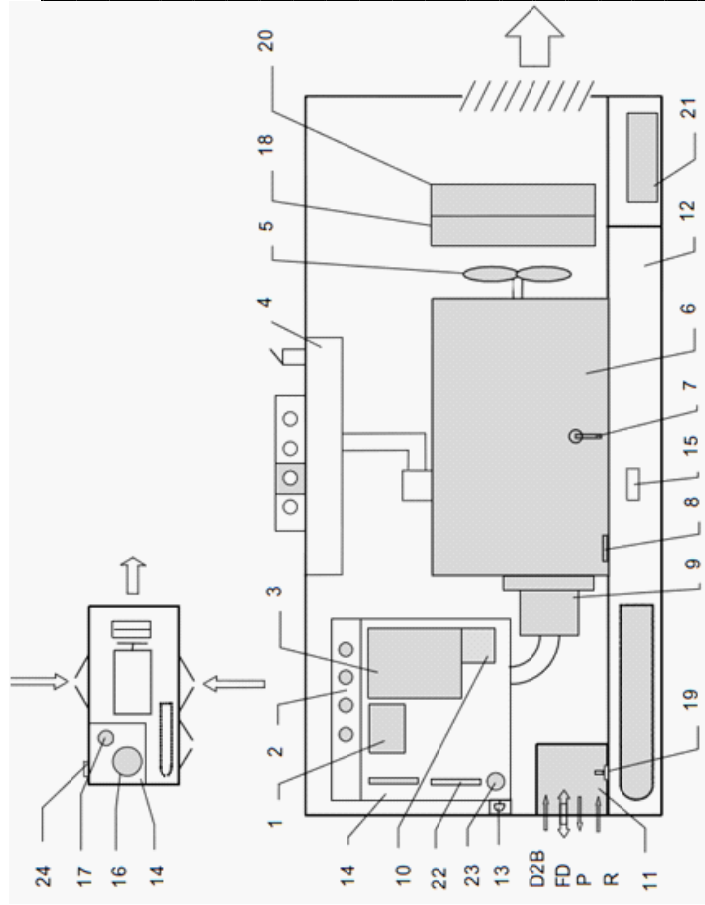


IHC S70



Operating Data			
Max. net energy/blow	70	kNm	
Min. Net energy/blow	2	kNm	
Blow rate(max energy)	50	Blows/min	
Weights			
Ram	3.5	tons	
Hammer(incl. Ram, in air)	8.3	tons	
Hydraulic data			
Operating pressure	230	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	10-13	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	
Working load limit (WLL) and hole diameter			
L1	25 ton	Diameter: 52 mm	
L2	9 ton	Diameter: 40 mm	
L3 / L5	35 ton	Diameter: 60 mm	



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