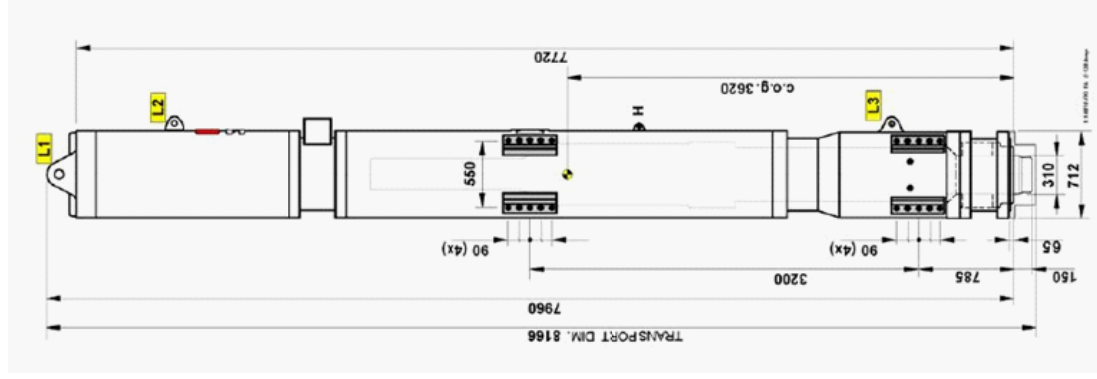
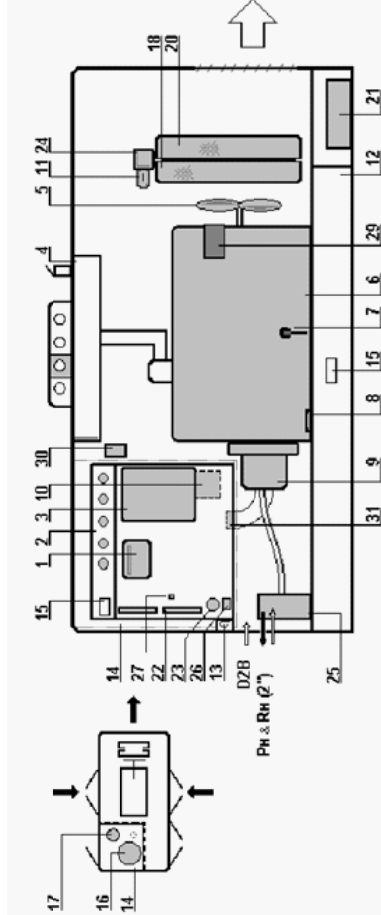


IHC S120



Operating Data			
Max. net energy/blow	120	kNm	
Min. Net energy/blow	6	kNm	
Blow rate(max energy)	44	Blows/min	
Weights			
Ram	6.2	tons	
Hammer(incl. Ram, in air)	14.3	tons	
Hydraulic data			
Operating pressure	250	bar	
Max. pressure	350	bar	
Max. oil flow	460	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 1/2" hose (P)	M52x2	male	
Oil return 1 1/2" hose (R)	M52x2	male	
Nitrogen / air to gap (CA)	R 3/4"	male	
Working load limit (WLL) and hole diameter			
L1	55 ton	Diameter: 75 mm	Thickness: 80mm
L2 / L3	17 ton	Diameter: 45 mm	Thickness: 55 mm
H	Not for lifting purposes! Connection for load carrying cable only		

Technical specification and data:		P-460
max ambient temperature	+ 45 degrees celsius	
Container		
Net weight	Approx. 5.400 kg	
Weight incl. Fuel and oil	Approx. 7.040 kg	
Dimensions L x W x H	4000 x 1500 x 2230 mm	
Capacity of fuel tank	Approx. 1200 litres	
Capacity of hydraulic oil tank	Approx. 1000 litres	
Hydraulic oil	TOTAL FINA ELF Equivis ZS 46 or equal	
Diesel engine		
Make / model / type	Volvo Penta / TAD1241GE / Four stroke cycle, 6 cylinder in line, water cooled turbocharged	
Rated engine output	344 kW at 1800 rpm; idle =900rpm	
Starting system	24 V battery system (115 Ah)	
Cooling system	Closed loop coolant, aircooled by radiator	
Hydraulic pump		
pump make / model	Rexroth / A11VL0260 EP2D/11R-NZD12K01	
Pump capacity / Rated pressure	460 l/min / 350 bar	
Pump capacity control	Continuously variable; min. setting 50l/min	
PTO-pump	[CO2] Denison; T670B-B31-B10 5R00-A1M1 (for cooling circuit and fan drive)	
Hose connection	2" Quik connector: (Ph & Rh) for 11/2"hydr hose. (on press. side: 1 coupler female; on return side: 1 nipple male)	
Cooling system hydr. circuit	1"(D2B) 1" for drain hose. combined radiator for hydraulic oil and engine coolant.	



1	Control box	11	Hydraulic fan motor (2x)	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	Hydr. oil cooler
6	Diesel engine	16	Cover, manhole hydr. oil reservoir	25	Hydraulic manifold piling
7	Battery main switch	17	Cover, return filter	26	Temperature switch hydraulic oil
8	Level indicator (fuel tank)	18	Hydraulic oil radiator	27	Level switch hydraulic oil reservoir
9	Hydraulic pump	19	Not applicable	28	Extraction valve
10	Return filter			29	Pump (PTO), cooling circuit hydr. oil
				30	Power pack control box X-52
				31	Suction filter
				PH	Hydraulic hose connections:
				Rh	Press: hammer (2')
				D2B	Return: hammer (2')
					Drain leakage chamber hammer