



DAWSON
CONSTRUCTION PLANT LTD

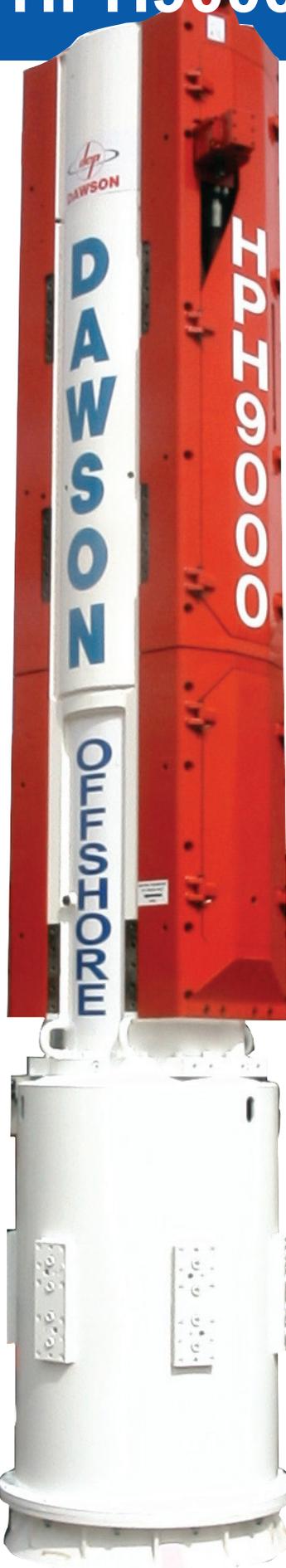
OFFSHORE PILING HPH9000 PILING HAMMER

**INNOVATIVE
PILING
EQUIPMENT**

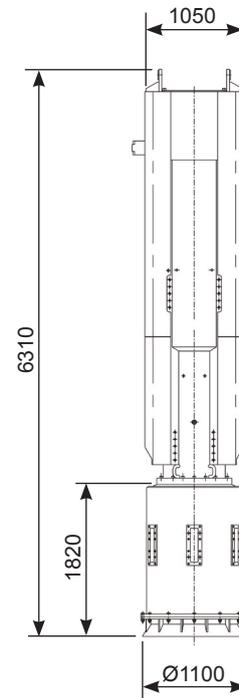
DAWSON CONSTRUCTION PLANT
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BLEAK HALL,
MILTON KEYNES,
MK6 1NE
ENGLAND

TEL. +44 1908 240300
FAX. +44 1908 240222
EMAIL. DAWSON@DCPUK.COM

www.dcpuk.com



- Fast hammer blow rate for rapid pile penetration
- No electrical cables to the hammer, good reliability
- Robust construction
- Easily maintained by Diesel / Mechanical fitter
- Intelligent cushion block irons out peak stresses
- Very efficient energy transfer



UNIVERSAL GUIDE
SLEEVE SUITS UP TO
Ø914mm (36") PILES

SPECIFICATION	UNITS	HPH9000
RAM WEIGHT	kg	4,750
	lbs	10,450
IMPACT VELOCITY	m/s	6.0
	ft/s	19.7
MAXIMUM PILE ENERGY	KNm	90.0
	ft.lbs	66,400
MINIMUM PILE ENERGY	KNm	35.0
	ft.lbs	25,800
BLOW RATE	bpm	60-90
LENGTH - LEAD MOUNTED	mm	5,350
	ins	210
BODY DIAMETER	mm	750
	ins	29.5
TOTAL WEIGHT WITH UNIVERSAL GUIDE SLEEVE	kg	13,500
	lbs	29,700



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This Dawson power pack is fully self contained, including all oil and fuel reservoirs, prime mover and hydraulic circuitry. The power pack is designed to be directly connected to the working element of the system; however it can be connected through further hydraulic valves to perform alternative operations with guidance from the manufacturer.

The power pack is designed to produce a fixed oil

flow rate at a pre-set pressure to supply hydraulic piling hammers in various environments from hot summers in Kuwait to cold winters in Ontario. The diesel engine runs at a fixed RPM and is calibrated against the pump flow rate. A built in offline filtration system is used to condition the hydraulic oil to 2 microns and remove an amount of water contamination.

HOT METAL SPRAYED PRIOR TO
OFFSHORE SPEC. POWDER COATING.



PARKER PV+140cc
HYDRAULIC PUMP



CATERPILLAR C6.6 ACERT® - 6 CYLINDER
DIESEL MOTOR WITH TURBOCHARGER
AND INTER-COOLING.

SPECIFICATION	UNITS	DHP170
DIESEL ENGINE POWER	kW	168
	rpm	2200
HYDRAULIC SYSTEM PRESSURE	bar	270
	psi	3915
OIL FLOW RATE	l/min	270
SIZE - LENGTH x WIDTH x HEIGHT	m	3.8 x 1.5 x 2
	ins	149 x 59 x 78
WEIGHT	kg	4800
	lbs	10,560
FUEL CAPACITY	litres	460
FUEL CONSUMPTION @ 60%	litres / hour	28

