



DAWSON
CONSTRUCTION PLANT LTD

HPH2400 PILING HAMMER

**INNOVATIVE
PILING
EQUIPMENT**

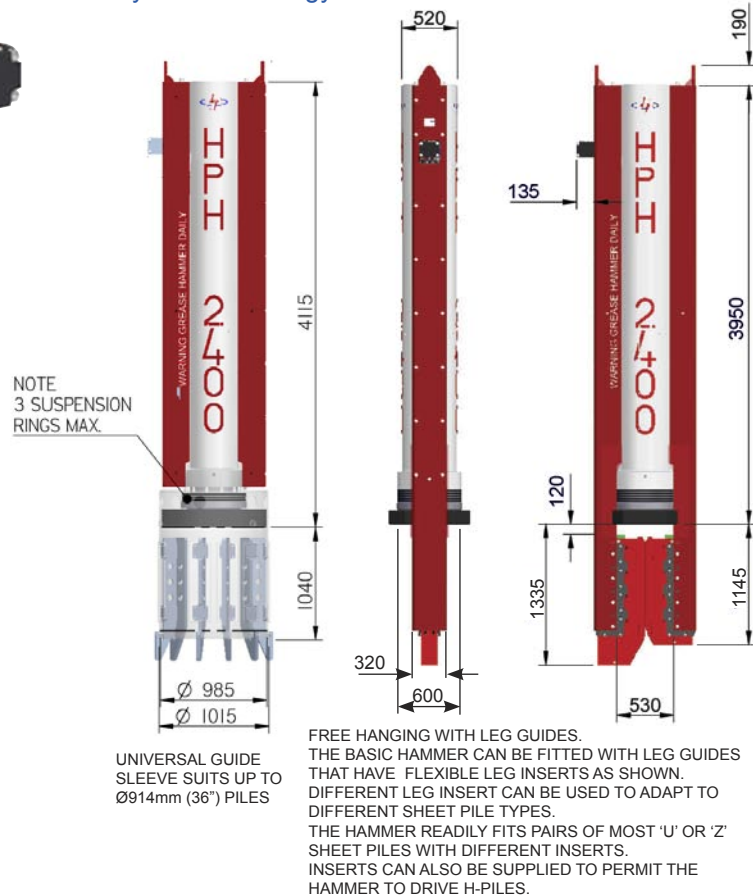
DAWSON CONSTRUCTION PLANT
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BLEAK HALL,
MILTON KEYNES,
MK6 1NE
ENGLAND

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FAX. +44 1908 240222
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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



SPECIFICATION	UNITS	HPH2400
RAM WEIGHT	kg	1,900
	lbs	4,189
IMPACT VELOCITY	m/s	4.98
	ft/s	16.30
MAXIMUM ENERGY TRANSFERRED TO PILE	KNm	24.00
	ft.lbs	17,360
MINIMUM ENERGY TRANSFERRED TO PILE	KNm	10.0
	ft.lbs	7,380
BLOW RATE	bpm	80-120
LENGTH - LEAD MOUNTED	mm	4,430
	ins	175
MINIMUM WIDTH OF BODY	mm	520
	ins	20.5
WEIGHT - LEAD MOUNTED	kg	6,000
	lbs	13,227
WEIGHT - WITH SHEET PILE LEG GUIDES + SPREADER PLATE	kg	7,000
	lbs	15,400
WEIGHT - FREE HANGING WITH Ø914 GUIDE SLEEVE	kg	7,600
	lbs	16,720



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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.



JOHN DEERE 4045HF275 - 4 CYLINDER
4.5L DIESEL ENGINE
(TIER 2 EMISSION CERTIFIED)

WORLDWIDE
DEALER
NETWORK

GLOBAL
SUPPLY,
LOCAL
SUPPORT.

SPECIFICATION	UNITS	DAWSON
DIESEL ENGINE POWER	kW	93
	rpm	2100
HYDRAULIC SYSTEM PRESSURE	bar	230
	psi	3335
OIL FLOW RATE	l/min	150
SIZE - LENGTH x WIDTH x HEIGHT	m	2.85 x 1.34 x 2.26
	ins	112 x 53 x 89
WEIGHT	kg	3000
	lbs	6,600
FUEL CAPACITY	litres	275
FUEL CONSUMPTION @ 60%	litres / hour	15.2

