

# 66/76 HYDRAULIC VIBRATORY DRIVER / EXTRACTOR

## INNOVATIVE PILING EQUIPMENT

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

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www.dcpuk.com

- Patented on-the-hammer breaking valve minimizes unwanted boom shake.
- New engine design senses changes in operating conditions and automatically changes speed, injection timing & air/fuel ratio.
- Electronic solution creates warnings, provides diagnosis, pinpoints repair needs, and logs operating history.
- Internal holding valves and heavy one piece wall cylinders eliminate the need for clamp cylinder guards.
- Fuel efficiency features including remote pendant with speed control and emergency stop.
- Maximum efficiency and reliability ensured by the open loop hydraulic system.
- Add one or two segmental sets of 2750lbs (totaling 5500lbs) with our available bias weights to easily tackle high friction and difficult soils.
- Super-tough and unmatched 20 year forged gears.
- Provides the industry's highest working load safety factor with up to 1112kN elastomeric suppressor.
- Environmentally friendly, Chevron Clarity® non-toxic and biodegradable hydraulic oil.
- Maximizes uptime with oversized components.
- Great pile amplitude is created by precision cast high density eccentric moment combined with a low mass transmission.

**76kg/m eccentric moment  
Suspended Weight 8228kg  
890kN of line pull for extracting.**



### VIBRATOR: MODEL 66/76

ECCENTRIC MOMENT	76kg.m
FREQUENCY RANGE	13-27Hz
DRIVING FORCE	2330kN
CENTRIFUGAL FORCE	2270kN
AMPLITUDE (free hanging)	31mm
STANDARD LINE PULL FOR EXTRACTING	890kN
MAX LINE PULL FOR EXTRACTING	1112kN
WEIGHT (no clamp or hoses)	6918kg
NON-VIBRATING WEIGHT	2068kg
HEIGHT (without clamp)	2550mm
LENGTH	2490mm
WIDTH	560mm
THROAT WIDTH	362mm
HYDRAULIC HOSE LENGTH	46M
HYDRAULIC HOSE WEIGHT	1090kg
HEIGHT WITH SHEETING CLAMP	3512mm
WEIGHT WITH SHEETING CLAMP & 1/2 HOSES	8735kg
HEIGHT WITH BEAM & CAISSON CLAMPS	3825mm
WEIGHT WITH BEAM & CAISSON CLAMPS	12115kg

HYDRAULIC CLAMP	MODEL 196C UNIVERSAL CLAMP	MODEL 122B CLAMPS w/10' BEAM	MODEL 85 TIMBER, CONCRETE & PIPE CLAMP
CLAMP FORCE	1744kN	2224kN	756kN
WEIGHT	1291kg	4536kg	2948kg
WIDTH	381mm	429mm	864mm
HEIGHT	968mm	1276mm	2007mm



**DAWSON**  
CONSTRUCTION PLANT LTD

# 66/76 DRIVER / EXTRACTOR POWER PACK

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CE COMPLIANT POWER UNITS



CATERPILLAR C18TTA -  
6 CYLINDER DEISEL ENGINE

POWER PACK	
MODEL	800
ENGINE	CAT C18 TTA
POWER	597kW 800HP
OPERATING SPEED	2100rpm
MAX DRIVE PRESSURE	380bar 5500psi
MAX DRIVE FLOW	900 lpm 238gpm
CLAMP PRESSURE	331 bar 4800psi
CLAMP FLOW	24 lpm 6.3gpm
WEIGHT (w/fluid)	10000kg 22046 lbs
LENGTH	5000mm 197in
WIDTH	2200mm 87in
HEIGHT	2400mm 95in
FUEL CAPACITY	901 litres 238 gal
FUEL CONSUMPTION @ 60%	88.5 litres / hour