

ICE® Model 416L Hydraulic Vibratory Driver/Extractor with Model 350G Power Unit



The most popular vibrator worldwide since 1974.
Narrow throat width for U-shaped sheet piles.
Up to 355 kN line pull for extraction.



261 kW CAT C9 Tier 3 (Stage IIIA) engine meets all EPA & EU emission regulations.

Optional bias weights 1700 kg of increase pile penetration rates in difficult soils.

Full range of clamps available for sheet piling, H-Beams, pipe & caissons and timber & concrete piles.

Maximum efficiency and reliability ensured by our open-loop hydraulic system. Highest quality, reliable piston pumps and motors

Remote-control pendant for vibrator and clamp with emergency stop. Engine speed control for fuel efficiency.

Adaptable for underwater, low headroom or box leads operation.

Designed and manufactured in the USA by ICE®, world leader in cost-effective foundation equipment since 1974.

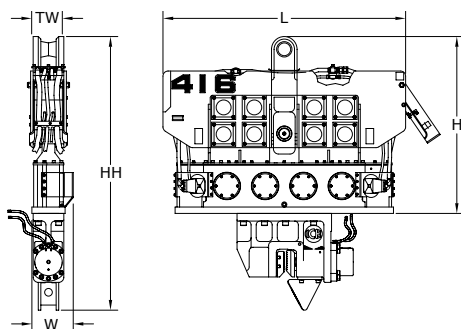


ICE® Model 416L

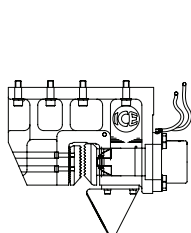
Hydraulic Vibratory Driver/ Extractor with Model 350G Power Unit



Dimensions

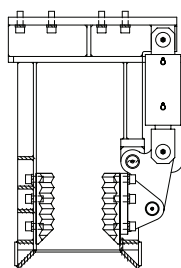


Clamps & Accessories



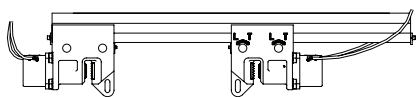
**Model 140C
Sheeting
Clamp**

Clamping force
140 tons, 1245 kN
Weight
2,200 lbs, 1000 kg



**Model 40
Wood, Concrete &
Pipe Clamp**

Clamping force
40 tons, 355 kN
Weight
3,220 lbs, 1460 kg



**6.5' Caisson Beam with
Model 100BH Caisson Clamps**

Clamping force
220 tons, 1975 kN
Weight
3,285 lbs, 1500 kg

Other Model 416L Accessories

12' Caisson beam	Sled for 26" leads
10' Clamp extension	Low-headroom suppressor
90° Turning plate	Vibrator stand
Bias weights	Wireless remote

Model 416L Vibrator Specifications

Eccentric moment	25 kg-m
Maximum frequency	1700 vpm
Centrifugal force	790 kN
Amplitude (free w/o clamp)	23 mm
Standard line pull for extracting	355 kN
Maximum line pull for extracting	355 kN
Weight (no clamp or hoses)	3560 kg
Non-vibrating weight	1390 kg
Height without clamp (H)	1780 mm
Length (L)	2415 mm
Width (W)	435 mm
Throat width (TW)	356 mm
Hydraulic hose length	30 m
Hydraulic hose weight	650 kg
Height with sheeting clamp* (HH)	2740 mm
Weight with sheeting clamp & 1/2 hoses*	4880 kg
Height with beam & caisson clamps*	2440 mm
Weight with beam & caisson clamps*	5215 kg

* See "Clamps and Accessories Manual" for in-depth description

Model 350G Power Unit Specifications

Engine	CAT C9
Power	261 kW
Operating speed	1850 rpm
Max. motors pressure	380 bar
Motors flow (no load)	367 lpm
Clamp pressure	310 bar
Clamp flow	24 lpm
Weight (w/ full fluid & 1/2 fuel)	5150 kg
Length	3300 mm
Width	1600 mm
Height	2200 mm
Hydraulic reservoir	1040 liters
Fuel capacity	445 liters

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Constant improvement and engineering progress make it necessary that ICE®, Inc reserve the right to make specification changes without notice. Please consult ICE® for the latest available information.

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