

# ICE® Model 50ZR Hydraulic Vibratory Driver/ Extractor with Model 800G Power Unit



Variable moment 0-50 kgm High amplitude low headroom, low center of gravity. Up to 120 tonnes line pull for extraction.

Variable moment allows zero eccentric moment at start-up and shut-down to eliminate disturbance to soil, structures and crane.

Wrap-around suppressor for low headroom and low center of gravity.

Highest amplitude in its class.

800 HP (597 kW) CAT C18 Tier 2 (Stage II) engine meets all EU emission regulations.

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

Adaptable for underwater or piling leads operation.

Flow and maximum, pressure may be adjusted on power unit control screen.

Environmentally-friendly, non-toxic biodegradable hydraulic oil.

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

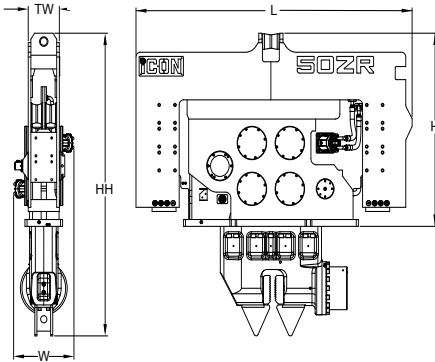


# ICE® Model 50ZR

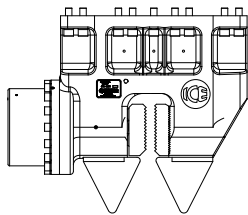
## Hydraulic Vibratory Driver/ Extractor with Model 800G Power Unit



### Dimensions

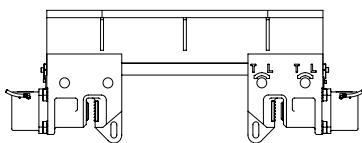


### Clamps & Accessories



#### Model 300 Universal Clamp

Clamping force  
300 tons, 2669 kN  
Weight  
5,400 lbs, 2455 kg



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

Clamping force  
220 tons, 1975 kN  
Weight  
4,610 lbs, 2090 kg

#### Other Model 50ZR Accessories

10' Clamp extension  
90° Turning plate  
Bias weights  
Vibrator stand  
Wireless remote

### Model 50ZR Vibrator Specifications

Eccentric moment	4,400 in-lbs	51 kg-m
Max. frequency	1,600 vpm	1 600 vpm
Driving Force	168 tons	1 495 kN
Centrifugal force	160 tons	1 425 kN
Amplitude (no clamp)	0.86 in	22 mm
Standard line pull for extracting	120 tons	1 070 kN
Max. line pull for extracting	120 tons	1 070 kN
Weight (no clamp or hoses)	14,650 lbs	6 645 kg
Non-vibrating weight	4,410 lbs	2 000 kg
Height without clamp (H)	82 in	2 060 mm
Length (L)	131 in	3 330 mm
Width (W)	44 in	1 120 mm
Throat width (TW)	14.75 in	375 mm
Hydraulic hose length	150 ft	46 m
Hydraulic hose weight	1,555 lbs	705 kg

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

### Model 800G Power Unit Specifications

Engine	Caterpillar C18	
Power	800 HP	597 kW
Operating speed	1,800 rpm	1 800 rpm
Max. motors pressure	5,500 psi	380 bar
Motors flow (no load)	220 gpm	845 lpm
Clamp pressure	4,500 psi	310 bar
Clamp flow	6 gpm	21 lpm
Weight (w/ full fluid & 1/2 fuel)	26,500 lbs	12 020 kg
Length	218 in	5 540 mm
Width	80 in	2 035 mm
Height	104 in	2 630 mm
Hydraulic reservoir	550 gal	2 080 liters
Fuel capacity	200 gal	750 liters

International Construction Equipment, Inc.  
301 Warehouse Drive  
Matthews, NC 28104 USA  
888-ICE-USA1 / 704-821-8200  
sales@iceusa.com / www.iceusa.com

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.

©International Construction Equipment, Inc. All rights reserved. January 2013.