

iCON® Model 50ZR Hydraulic Vibratory Driver/ Extractor with Model 800CE Power Unit

800HP (597 kW) CAT C9 T3 (State IIIA) engine meets all EPA & EU emission regulations.
Up to 120 tons (1070 kN) line pull for extraction.

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

Computer controls on power unit reduce fuel consumption, pinpoint repair needs, while providing diagnostics and logs.

Power unit open circuit system for maximum cooling and filtering efficiency. Variable displacement pump for optimum power consumption and smooth operation.

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

The Hycos designed CE compliant hydraulic power unit oil cooler is combined with the engine cooler providing ample capacity without using auxiliary power to drive extra cooler fans.

Adaptable for underwater, low headroom or box leads operation.

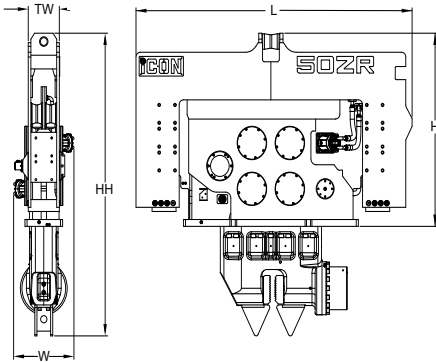
Environmentally friendly, non-toxic, biodegradable hydraulic oil.

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

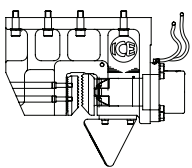


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Dimensions

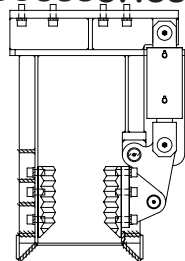


Clamps & Accessories



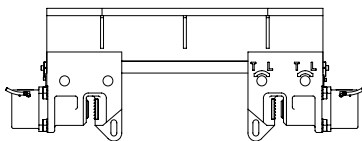
Model 140C Sheeting Clamp

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
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	4400 in-lbs	50 kg-m
Max. centrifugal force	247 ton	2195 kN
Max. frequency	2000 rpm	2000 rpm
Max. amplitude (no clamp)	0.86 in	22 mm
Max. amplitude with clamp	0.55 in	14 mm
Max. static line pull	40 ton	1070 kN
Max. operating pressure	5500 psi	380 bar
Dyn. weight (no clamp)	10240 lbs	4645 kg
Dyn. weight with clamp	15642 lbs	7095 kg
Total weight with clamp	20051 lbs	9095 kg
Transport weight	22454 lbs	10185 kg
Height without clamp (H)	81 in	2065 mm
Length (L)	131 in	3330 mm
Width (W)	44 in	1120 mm
Throat width (TW)	15 in	375 mm

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

Model 800CE 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)	256 gpm	970 lpm
Clamp pressure	5,000 psi	345 bar
Clamp flow	6 gpm	25 lpm
Weight (w/ full fluid & 1/2 fuel)	17,607 lbs	8 000 kg
Length	177 in	4 500 mm
Width	87 in	2 200 mm
Height	91 in	2 300 mm
Hydraulic reservoir	430 gal	1 628 liters
Fuel capacity	264 gal	1 000 liters

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

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