

ICE® Model 18ZR Zero-Resonance™ Hydraulic Vibratory Driver/ Extractor with Model 350GZ Power Unit

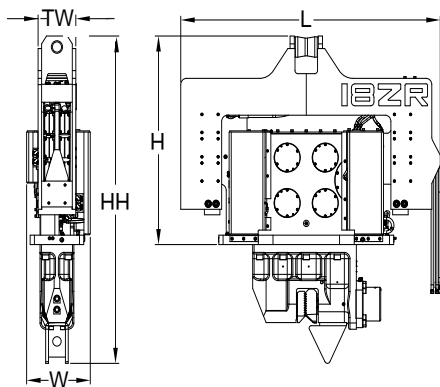


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Variable moment – zero to 1600 in-lbs (18 kg-m)
High centrifugal force in a light-weight, low-overhead package
Up to 33 tons (290 kN) line pull for extraction



ICE Model 18ZR Zero-Resonance™ Pile Hammer		
Eccentric moment	1600 in-lbs	18 kg-m
Maximum frequency	2300 vpm	
Driving Force	125 tons	1110 kN
Centrifugal force	120 tons	1070 kN
Amplitude (free w/o clamp)	0.75 in	19 mm
Standard line pull for extracting	33 tons	290 kN
Weight (no clamp or hoses)	6500 lbs	2950 kg
Non-vibrating Weight	2400 lbs	1090 kg
Height without clamp (H)	67 in	1690 mm
Length (L)	92 in	2340 mm
Width (W)	23 in	575 mm
Throat width (TW)	13 in	330 mm
Hydraulic hose length	150 ft	45 m
Hydraulic hose weight	1425 lbs	646 kg
Height with sheeting clamp (HH)	105 in	2650 mm
Weight with sheeting clamp & 1/2 hoses	9245 lbs	4195 kg
Height with beam & caisson clamps	98 in	2470 mm
Weight with beam, caisson clamps & 1/2 hoses	11535 lbs	5235 kg



ICE Model 350GZ Power Unit		
Engine	Caterpillar C9	
EPA/EU Emissions rating	Tier 3	Stage IIIA
Power	350 HP	261 kW
Operating speed	1850 rpm	1850 rpm
Maximum motors pressure	5500 psi	380 bar
Motors flow (no load)	95 gpm	365 lpm
Clamp pressure	4500 psi	310 bar
Clamp flow	6 gpm	20 lpm
Weight (w/ full fluid & 1/2 fuel)	11350 lbs	5150 kg
Length	130 in	3300 mm
Width	63 in	1600 mm
Height	87 in	2200 mm
Hydraulic oil capacity	275 gal	1040 liters
Fuel Capacity	118 gal	445 liters



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

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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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.

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

Optionally available for excavator mounting.

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

Adaptable for underwater or piling leads operation.

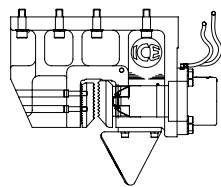
Maximum pressure and flow may be adjusted on power unit control screen.

Environmentally-friendly, non-toxic, biodegradable hydraulic oil.



Clamps & Accessories

ICE Model 140C Sheeting Clamp		
Clampng Force	140 tons	1245 kN
Weight	2200 lbs	1000 kg



Model 18ZR Accessories

- 10' Clamp Extension
- 90° Turning Plate
- Vibratory Stand
- Wireless Remote



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