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## ICE® Model 22D Hydraulic Vibratory Driver/Extractor with Model 350G Power Unit



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 888-ICE-USA1

Design combines high eccentric moment and suspended weight with clamp under 9,500 lbs (under 4200 kg)  
 Lighter weight for increased reach or use with smaller cranes  
 Reduced height for better access in low-overhead situations  
 Up to 100 tons (900 kN) line pull for extraction

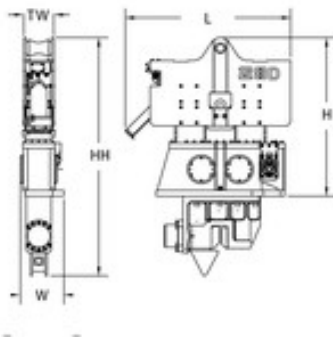


### ICE Model 22D Vibratory Pile Hammer

Eccentric moment	2,200 in-lbs	25 kg-m
Maximum frequency	1700 vpm	
Driving Force	94 tons	830 kN
Centrifugal force	90 tons	800 kN
Amplitude (free w/o clamp)	1 in	25 mm
Standard line pull for extracting	100 tons	900 kN
Maximum line pull for extracting	100 tons	900 kN
Weight (no clamp or hoses)	7,365 lbs	3120 kg
Non-vibrating Weight	2,620 lbs	970 kg
Height without clamp (H)	82 in	2075 mm
Length (L)	77 in	1940 mm
Width (W)	21 in	530 mm
Throat width (TW)	14.25 in	362 mm
Hydraulic hose length	150 ft	45 m
Hydraulic hose weight	1,425 lbs	645 kg
Height with sheeting clamp (HH)	110 in	2795 mm
Weight with sheeting clamp & 1/2 hoses	9,225 lbs	4,185 kg
Height with beam & caisson clamps	115 in	2750 mm
Weight with beam, caisson clamps & 1/2 hoses	11,330 lbs	5140 kg

### ICE Model 350G Power Unit

Engine	Caterpillar C9	
Emissions rating	EPA Flex	EU Flex
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)	11,350 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®

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Constant improvement and engineering progress make it necessary that ICE®, Inc reserve the right to make specification changes without notice.

# ICE® Model 22D Hydraulic Vibratory Driver/Extractor with Model 350G Power Unit



Patented Dual-pull™ suppressor provides maximum vibration isolation during driving and light extraction combined with high pull capability for tough extraction jobs.

350 HP (261 kW) CAT C9 meets current EPA/EU Flex engine emission regulations.

Optional 2,970 lbs (1345 kg) of bias weight increases pile penetration rates in difficult soils.

Environmentally friendly non-toxic, biodegradable hydraulic oil.

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

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

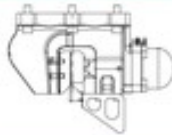
Full range of clamps available for sheet piling, H-Beams, pipe & caissons and timber & concrete piles.

Adaptable for underwater, low headroom or box leads operation.

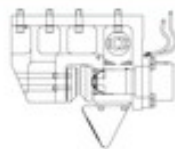


## Clamps & Accessories

ICE Model 95 Sheeting Clamp		
Clamping Force	110 tons	985 kN
Weight	1150 lbs	522 kg



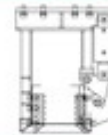
ICE Model 140C Sheeting Clamp		
Clamping Force	140 tons	1245 kN
Weight	2200 lbs	1000 kg



### Other Model 22D Accessories

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

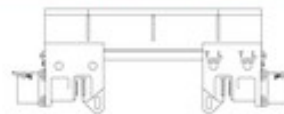
ICE Model 40 Wood Concrete and Pipe Clamp		
Clamping Force	40 tons	355 kN
Weight	3220 lbs	1460 kg



ICE Model 25B Wood Concrete and Pipe Clamp		
Clamping Force	25 tons	222 kN
Weight	2000 lbs	900 kg

ICE Model 75 Wood Concrete and Pipe Clamp		
Clamping Force	75 tons	670 kN
Weight	6650 lbs	2970 kg

ICE 6.5' HD Beam and Two Model 105H Clamps		
Clamping Force	220 tons	1960 kN
Weight	4320 lbs	1960 kg



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"Due to improvements to ICE manufactured products and the EPA mandated Tier III emission regulations, unit specifications are subject to change without notice. Please contact ICE engineering department to confirm possible changes."