

# Universal Series Model 28C With Model 350E Power Unit Hydraulic Vibratory Driver/ Extractor



New design combines high eccentric moment (2,800 in-lbs, 32 kg-m) and suspended weight with clamp under 9,800 lbs (4445 kg)  
Lighter weight for increased reach or use with smaller cranes  
Reduced height for better access in low-overhead situations  
Up to 55 tons (490 kN) line pull for extraction

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

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

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

Optional 3,000 lbs (1360 kg) of bias weight increases pile penetration rates in difficult soils.

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.

Environmentally friendly, Chevron Clarity® non-toxic, biodegradable hydraulic oil.

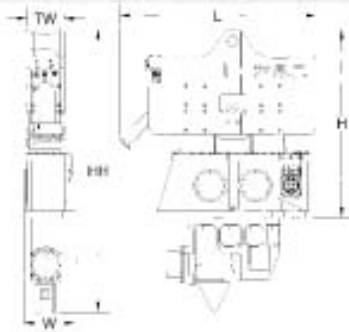
Designed and manufactured in USA by ICE®, world leader in cost-effective foundation equipment since 1974.



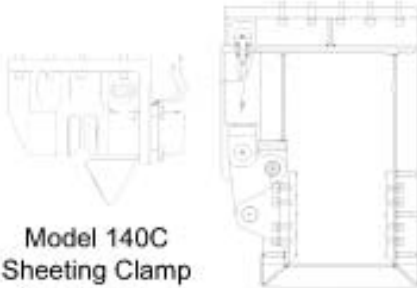
# Universal Series Model 28C

## With Model 350E Power Unit

### Hydraulic Vibratory Driver/ Extractor



#### Clamps & Accessories



**Model 140C**  
Sheeting Clamp

Clamping force  
140 tons, 1245 kN  
Weight  
2,150 lbs, 975 kg

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

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



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

Clamping force  
220 tons, 1975 kN  
Weight  
3,000 lbs, 1360 kg

#### Other Model 28C Accessories

6' Caisson beam  
10' Clamp extension  
90° Turning plate  
Bias weights  
Vibrator stand

#### Model 28C Vibrator Specifications

Eccentric moment	2,800 in-lbs	32 kg-m
Frequency range	800-1700 vpm	
Driving force	118 tons	1050 kN
Centrifugal force	115 tons	1023 kN
Amplitude (free w/o clamp)	1.2 in	30 mm
Standard line pull for extracting	55 tons	490 kN
Maximum line pull for extracting	55 tons	490 kN
Weight (no clamp or hoses)	6,880 lbs	3121 kg
Non-vibrating weight	2,140 lbs	971 kg
Height without clamp (H)	76 in	1915 mm
Length (L)	79 in	2006 mm
Width (W)	21 in	527 mm
Throat width (TW)	14.25 in	362 mm
Hydraulic hose length	150 ft	46 m
Hydraulic hose weight	1,425 lbs	646 kg
Height with sheeting clamp* (HH)	114 in	2877 mm
Weight with sheeting clamp & 1/2 hoses*	9,795 lbs	4442 kg
Height with beam & caisson clamps*	104 in	2565 mm
Weight with beam & caisson clamps*	10,620 lbs	4820 kg

\* See "Clamps and Accessories Manual" for detail description

#### Model 350E Power Unit Specifications

Engine	Caterpillar C9	
Power	350 HP	261 kW
Operating speed	1,850 rpm	1850 rpm
Max. motors pressure	5,500 psi	380 bar
Motors flow (no load)	97 gpm	367 lpm
Clamp pressure	4,500 psi	310 bar
Clamp flow	6 gpm	24 lpm
Weight (w/ full fluid & 1/2 fuel)	11,350 lbs	5150 kg
Length	138 in	3300 mm
Width	68 in	1600 mm
Height	87 in	2200 mm
Hydraulic reservoir	275 gal	1040 liters
Fuel capacity	118 gal	445 liters

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

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