



International Construction Equipment
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ICE® MODEL 5E EXCAVATOR - MOUNTED HYDRAULIC VIBRATORY DRIVER/EXTRACTOR



Excavator-mounted unit for maximum mobility.
High speed (2500 vpm) and high driving force (48 tons, 430 kN)
for maximum production.
Crowd with 11 tons (100 kN) of force for highest driving rates.

Excavator bucket circuit provides all hydraulic requirements

Gear case design provides maximum vibrator speed and light weight.

Clamps available for single & double sheet piling, H-Beams, caissons to 4' (1220 mm), timber, concrete and pipe piles.

Available 16 tons (140 kN) of extraction pull capability.

Drives and extracts H-Beams, sheet piles, trench plates, pipe piles, guardrail posts and more

360° swivel allows approach to task from any direction

Adaptable for underwater operation.

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



UVE-5E-Sept-2010

INTERNATIONAL CONSTRUCTION EQUIPMENT, INC.

301 Warehouse Dr.
Matthews, NC 28104 USA

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Model 5E Excavator-Mounted Vibrator

Eccentric moment	520 in-lbs	6 kg-m
Maximum frequency	2500 vpm	
Maximum driving force	48 tons	430 kN
Maximum centrifugal force	46 tons	411 kN
Amplitude (free w/o clamp)	0.7 in	17.5 mm
Maximum line pull for extracting	16 tons	140 kN
Maximum crowd capability	11 tons	100 kN
Weight without clamp	2600 lbs	1180 kg
Weight with Model 5 clamp	3250 lbs	1475 kg
Weight with Model 90 clamp	3665 lbs	1665 kg
Non-vibrating weight	500 lbs	230 kg
Height to pin without clamp (H)*	58 in	1460 mm
Height with Model 5E clamp (HH)*	78 in	1965 mm
Height with Model 90 clamp (HH)*	86 in	2180 mm
Length (L)	52 in	1320 mm
Width (W)	25 in	635 mm
Throat width (TW)	12.5 in	318 mm
Maximum pressure	5075 psi	350 bar
Required flow at 3500 psi (240 bar)	45 gpm	170 lpm
Vibrator speed per flow	47 rpg*	180 rpl*

* Does not include excavator stick yoke that adds 16"-20" (400-510 mm)
* rpg = rpm per gpm and rpl = rpm per lpm

Performance with CAT 330C excavator

Frequency at low pressure	2100 vpm	35 Hz
Frequency at high pressure	1800 vpm	30 Hz

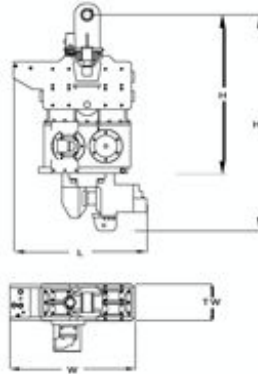
Performance with CAT 325C excavator

Frequency at low pressure	2100 vpm	35 Hz
Frequency at high pressure	1450 vpm	24 Hz

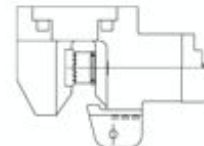
Constant improvement and engineering progress make it necessary that ICE®, Inc reserve the right to make specification changes without notice. Please consult ICE® for the latest available information.

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Dimensions

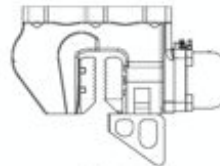


Clamps & Accessories



Model 5E Sheeting Clamp

Clamping force
72 tons, 650 kN
Weight
684 lbs, 310 kg



Model 90 Sheeting Clamp

Clamping force
90 tons, 808 kN
Weight
1080 lbs, 490 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."