

International Construction Equipment 301 Warehouse Drive Matthews, NC 28104 Phone: 704 821-8200

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### ICE® MODEL EM27

EXCAVATOR - MOUNTED DRILLING AND PILING MAST

Increase job profit by using your excavator for drilling and piling work

Drills holes to 35' (11 m) deep and 30" (760 mm) diameter
Uses standard rotary heads, drifters & down-the-hole hammers for drilling
Uses ICE® vibrators for pile driving
Quickly mounts on standard excavators



# Applications: Solar field piles Tie-backs Auger-cast piles Sound barrier walls Micropiles Well points Foundation piers Pile predrilling Sheet piling walls Communication towers Soil nails Helical anchors Blast holes

#### Advantages:

Three applications in one rig:
excavator, drill & mounted
vibratory hammer
Extended reach due to excavator boom
Mounts to existing excavator
Vibro attachments are excellent for
installing solar fields, fencing, piling
and more



INTERNATIONAL CONSTRUCTION EQUIPMENT, INC.



# ICE® Mo

## EXCAVATOR - MOUNTED

#### COMPONENTS & ACCESSORIES



Remote Control Pendant



**Chain Drive** 



30° Tilt, Side-to-Side and Fore-Aft Rotation



Vibratory Driver / Extractor (optional)



Rotary Head (optional)



Air & Water Injection Tube (optional)

#### VIBRATORY HAMMER & ROTARY HEAD ATTACHMENTS SPECIFICATIONS

ICE® Model 2 Vibratory Dr	iver / Extrac	tor
Eccentric moment	200 in-lbs	2.3 kg-m
Maximum driving force	13 tons	117 kN
Maximum centrifugal force	12.5 tons	111 kN
Performance with typical CA	T excavators	S CONTRACTOR
With CAT 330C		
Frequency at low pressure	2500 vpm	
Frequency at high pressure	1700 vpm	
With CAT 325C		Marie M.
Frequency at low pressure	2500 vpm	
Frequency at high pressure	1450 vpm	
Maximum pull for extraction	4.3 tons	38 kN
Weight with clamp	1,590 lbs	720 kg-m

Vibrator frequency at higher pressure can be higher with CAT kit to combine pump flows.

ICE® Model EX-25 Ro	tary Head	
Performance with typ	ical CAT excavat	ors
With CAT 330C		
Maximum Torque	20,700 ft-lbs	28000 Nm
Speed	22-36 rpm	
With CAT 325C		N. S.
Maximum Torque	20,700 ft-lbs	28000 Nm
Speed	20-32 rpm	
Weight	1,350 lbs	612 kg
Crowd Force	25,000 lbs	11340 kg
Extraction Force	18,000 lbs	8165 kg
Optional Swivel ID	3 in	75 mm

301 Warehouse Dr. Matthews, NC 28104 USA

## DEL ENI-27

## DRILLING AND PILING MAST



#### PRODUCT SPECIFICATIONS

ICE® Model EM27 Drill M	last	
Maximum Performance		90000
Torque	27,000 ft-lb	3730 kg-n
Crowd Force	18,000 lbs	80 kN
Extraction Force	18,000 lbs	80 kN
Maximum Drilling Diameter	30 in	762 mm
Standard Stroke	30 ft.	9.1 m
Optional Stroke	40 ft	12.2 m
Mast Movement		
Side-to-Side	30° each way	
Fore-Aft	180° each way	
Vertical Lift	12 in	300 mm
Weight & Dimensions		
Weight	10,355 lbs	4700 kg
Length without Rotary Head	38 ft	11.58 m
Width	4 ft	1.22 m
Depth	7 ft	2.13 m
Optional Mast Length	10 ft	3 m
Optional Mast Weight	750 lb	340 kg
Optional Items		
Mast Extension	10 ft	3 m
	1,220 lbs	555 kg
Rotary Heads	EX-12, EX-25, HS-27	
Vibratory Driver / Extractor	The state of the s	S
Percussion Heads	-	100

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.



10ft. (3 m) Extension

Remote control

Hydraulic clamping and breaking device

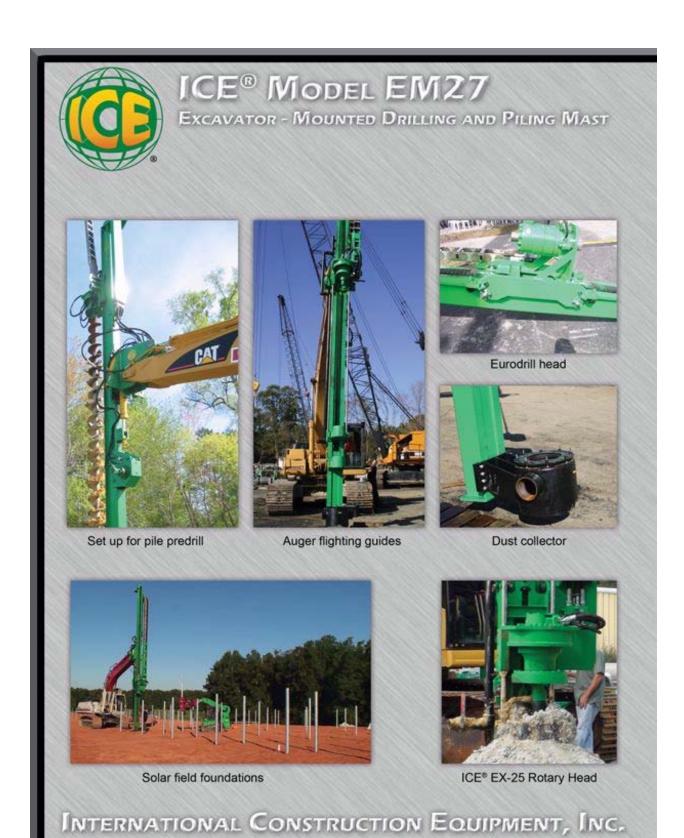
Compressor for spoil removal

Dust absorption

Different tool types and swivel heads







"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."