



CME-55/300

- Cummins diesel 120 horsepower engine
- Spindle torque rating up to 10,410 ft/lbs
- CME-300 remote control driven rubber track carrier with walking-beam suspension
- Low ground bearing pressure for off-road, remote drilling sites
- Detent feed with adjustable pulldown pressure and rate controls
- Available optional equipment includes angle drilling, automatic SPT hammer, direct push hammer, CPT and MWD options, hydraulic rod holder and break-out wrench, cathead, water tank, a variety of hydraulic hoists, and much more

CENTRAL MINE EQUIPMENT COMPANY
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CME-55/300



Power

Cummins QSF 3.8 (229 cubic inch) 120 Horsepower Tier-4f 4-cylinder turbocharged diesel engine

Rotary Drive

Clutch, heavy duty.....13 inch (33 cm)
 Transmission.....5 speed forward, 1 speed reverse
 Rotary torque, standard.....7,963 foot pounds (10,796 Nm)
 Rotary speed, standard.....up to 868 rpm
 Rotary torque, high torque.10,410 foot pounds (14,114 Nm)
 Rotary speed, high torque.....up to 664 rpm
 Hollow spindle I.D.....standard 2 3/4 inch (7 cm)
 optional 3 3/4 inch (9.5 cm)

Hydraulic Feed System

Retract force.....28,275 pounds (12,825 Kg)
 Pulldown force.....18,650 pounds (8,460 Kg)
 Retract rate.....35 feet (10.6 m) per minute
 Rapid retract rate.....90 feet (27.4 m) per minute
 Feed rate.....55 feet (16.7 m) per minute
 Stroke.....72 inch (183 cm)

Carrier

Track width.....12 in. (30.5 cm) standard
 18 in. (45.7 cm) optional
 Avg. ground bearing pressure.....4.5 psi (.32 kg/cm²)
 Suspension.....triple walking beams
 Turning radius.....zero turn
 Drive.....hydraulic motor/planetary wheel drives
 Steering.....remote radio controlled
 Hydraulic front winch.....12,000 lb. (5,443 kg)
 Auger & rod racks.....standard
 Tool boxes.....standard

Gradeability

Straight ahead climb.....50% grade
 Side-hill traverse.....36% grade

Leveling System

Four hydraulic jacks, inverted design with chrome-plated piston rods enclosed at all times
 Stroke.....36 in. (91 cm)

Weight (Approximate)

Empty.....18,200 lbs. (8,255 kg)

Available Options

Mast Options

20 foot (6.1 m)
 22 foot (6.7 m)
 Quick disconnect

Water Pump Options

Moyno 3L6 - 36 gpm/225 psi (136 lpm/1,551 kPa)
 Moyno 3L8 - 84 gpm/225 psi (318 lpm/1,551 kPa)
 Bean L09 (420) - 25 gpm/500 psi (95 lpm/3,448 kPa)
 Bean L1122 (435) - 35 gpm/500 psi (132 lpm/3,448 kPa)
 Bredel hose pumps

Hoist Options

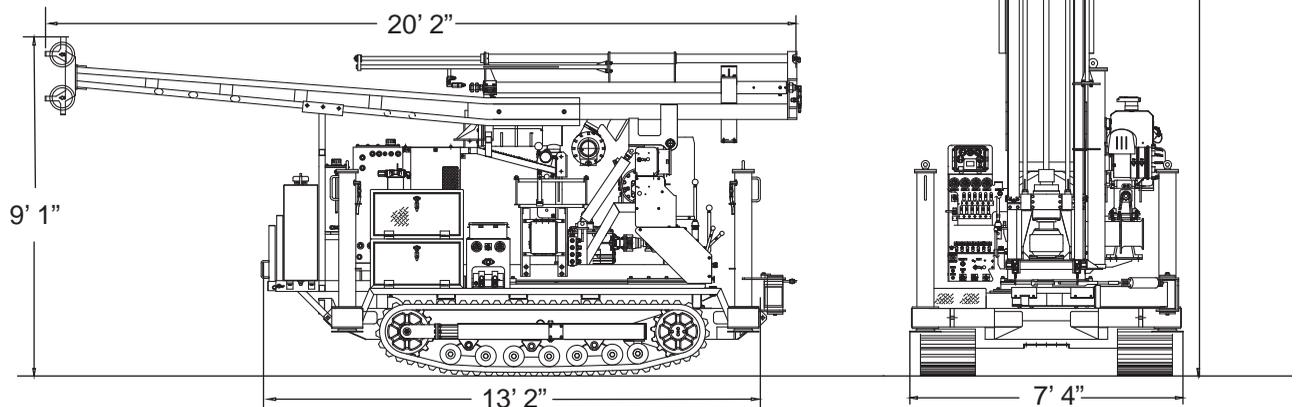
1,800 pound (816 kg)
 3,200 pound (1,452 kg)
 7,000 pound (3,175 kg)
 8,500 pound (3,855 kg)
 Hydraulic wireline hoists

Hydraulic Rod Holder and Break-out Wrench Options

4 1/2 inch (11.4 cm) capacity
 5 1/2 inch (14 cm) capacity
 6 5/8 inch (16.8 cm) capacity
 Fixed or adjustable height

CME Automatic Hammer System Options

110 pound (49.9 kg)
 140 pound (63.5 kg)
 170 pound (77.1 kg)
 300 pound (136.1 kg)
 340 pound (154.2 kg)



Typical dimensions with 20 foot mast



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Performance ratings are based on engineering specifications, calculations and accepted industry standards. Capacities may vary according to drilling conditions.

CME reserves the right to amend these specifications at any time, without notice.

MKT 55/300 100 12/2025 Printed in USA

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