

Medium Duty Core Drilling Trailers

CRT-MCT



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Single or two-speed infinitely variable hydraulic drill motors available with wide choice of sizes to suit the particular application. Hydraulic drive always provides the best control and results in clean straight core samples

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BRIEF INTRODUCTION

CRT-MCT Medium Duty Coring Trailers:

Option 1 - Honda 15HP Petrol engine P12-400

Option 2 - Honda 12HP Petrol engine P10-250

Option 3 - Hatz 12HP Diesel engine D10-250

To carry out any form of testing requires straight & clean sided core samples.

Vibration of a diamond core drill during the coring process will result in a badly finished core that will need to be 'dressed' before any meaningful testing can be carried out. In addition, vibration of a core drill will also quickly damage the diamond cutting face by erosion of the individual diamonds resulting in rapid wear rates. Coring should always be carried out using a rigid, stable & vibration free operating platforms to ensure the integrity of core samples.

CRT-MCT Medium Duty Core Drilling Trailers are self contained and provide a rigid and stable drill platform for all types of coring in a wide variety of asphalt & concrete surfaces. The manually operated drill feed control provides for a rapid but safe drill penetration with minimum core bit wear rate.

KEY FEATURES

- Drill diameters up to 350mm
- Drill depths up to 600mm
- Wide variety of drill motor options
- Water capacity of 300 litres
- Manually operated drill feed
- Manually operated stabilizer legs
- Power take-off facility for breaker/tamper.

KEY USES

- Medium duty coring in both asphalt & concrete surfaces.
- Ideal for taking occasional test samples in road surfaces or airfield runways.

SYSTEM ELEMENTS

The Cooper Medium Duty Core Drilling Trailer CRT-MCT uses an engine to generate hydraulic power which is then delivered to a hydraulic drill motor to drive the core drill.

Hydraulic operation allows the drill motor to rotate at the optimum speed for the particular surface material. Manually operating the drill feed into the surface with a constant applied load achieves optimum feed rate and maximum drill life. During the coring process water is pumped through the core bit to provide cooling at the drill face and to flush away the loose material. The engine is air cooled to allow for continuous operation in the most arduous environments.

The drill carriage is also demountable from the CRT-MCT, so that off-trailer drilling can be carried out if required.

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SPECIFICATIONS

Prime mover(s)	Honda 11kW Petrol engine P12-400 Honda 9kW Petrol engine P10-250 Hatz 9kW Diesel engine D10-250
Electric Start	Yes
Charging System	On board engine charging
Water pump	12 V DC submersible
Water tank	300 litres capacity
Hydraulic reservoir	35 litres capacity
Hydraulic outputs	20-30 litres /min @ 140 bar
Hydraulic Filtration	Return line filter 25 micron
Drill Motors	11 displacements of single speed motors - Speed ranges from 55 to 1100 rpm
Drill Capacity	350 mm standard
Drill Depth	600 mm maximum
Drill Speed	Infinitely variable control valve at the motor
Tyres	Type 145 Radial
Suspension	Torsion bar to EEC specifications
Brakes	Overrun brakes
Dimension mm (WxDxH)	3600 x 1400 x 1250
Tow hitch mm	50 to EEC Specification
Estimated Weight Kg	490 Unladen dry 790 Laden

Accessories

Accessories are not included in the price of the main device and may be purchased separately if required.



CRT-DRIL-508
Breaker Take off kit 20 litres/min (excludes breaker)

CRT-DRIL-509
Breaker Take off kit 30 litres/min (excludes breaker)



CRT-DRIL-812
Spacers for large diameter drilling c/w studs & keys, up to 450mm



CRT-DRIL-999
Selection of 7 'asphalt' coring barrels 107mm to 212mm diameter.

Please enquire for other sizes.



CRT-DRIL-611
Extension bar 100mm¹

CRT-DRIL-612
Extension bar 200mm¹

CRT-DRIL-613
Extension bar 300mm¹



CRT-DRIL-810
Mast Mounted Amber Beacon for CRT-MCT



CRT-DRIL-809
Spare wheel for CRT-MCT

Calibration & Maintenance

Full maintenance & instruction manuals supplied with each coring trailer.