

IC-110

IMPACT CRUSHER



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The IC-110 compact impact crusher has been designed to provide high productivity in quarrying, construction and demolition debris, reinforced concrete and asphalt recycling applications. The IC-110 features a Ø1034 x 1000mm (Ø41.5" x 40") direct drive impact chamber with variable rotor speed and hydraulic apron setting assist to provide convenient and efficient adjustment of the chamber aprons. The chamber is also fitted with hydraulic overload protection system as standard. For operators in recycling and demolition applications an underpan feeder is also available as options.

The compact size, ease of transport, quick set up times and intuitive operation make this machine ideal for contract crushers, independent rental houses and small scale operators.

STANDARD FEATURES

ENGINE:

Tier 3 / Stage IIIA Constant speed: Volvo D8 235kW (315hp)
Tier 4 F/ Stage IV: Volvo 235kW (315hp)
Stage V: Volvo D8 235kW (315hp)

Hinged cooling pack to aid maintenance

IMPACT CHAMBER:

Terex CR055 Impact chamber c/w full hydraulic apron setting

4 bar rotor - 2 full high Martensitic and 2 low manganese blow bars

Direct Drive via Clutch

Blow bar lifting tool supplied

HOPPER / FEEDER:

VGF fixed hopper

Stepped grizzly feeder with integral pre-screen, standard punch plate 40mm

Selectable discharge to by-pass conveyor or main conveyor

MAIN CONVEYOR:

Belt width: 1000mm (40") wide full length belt

AUXILIARY CONVEYORS:

Piped for overband magnet

CLIMATE SPEC:

Standard Oils - (Recommended for ambient temperatures between -5 to +30°C)

DUST SUPPRESSION:

Piped for dust suppression c/w Spraybars

ELECTRICAL:

Emergency stops

Hand Held Track Control Set with Connection Lead

T-Link telemetry system fitted c/w 3 yrs data subscription

GENERAL:

Safety Guards in Compliance with Machinery Directive

Dual speed tracking

POWERPACK

- ▶ Tier 3 / Stage IIIA: Volvo T3 engine
Engine Power: 235kW (315hp)
Engine Speed: 1500 - 1800 rpm
- ▶ Tier 4F / Stage IV: Volvo
Engine Power: 235kW (315hp)
Engine Speed: 1500-1900 rpm
- ▶ Stage V: Volvo
Engine Power: 235kW (315hp)
Engine Speed: 1500 rpm-1900 rpm

FEATURES:

- ▶ Direct drive Ø1034 x 1000mm (Ø41.5" x 40") crusher chamber with independent belt tensioner allowing for rapid adjustment.
- ▶ The advanced electronic control system monitors, controls and regulates the speed of the vibrating grizzly feeder to maintain a consistent feed of material into the impact chamber.
- ▶ Fully hydraulic assisted apron setting features makes adjustment of the aprons convenient and efficient.
- ▶ Crusher chamber is supplied with a 4 bar rotor and two apron design for large reduction ratios and consistent product shape.



HOPPER / FEEDER

- ▶ Hopper capacity: 3.3m³ (4.3yd³)
- ▶ Feed height: 3.13m (10' 3")
- ▶ Material: 10mm (3/8") thick wear resistant steel
- ▶ Width at rear: 2m (6' 7")
- ▶ Screen area: 1500 x 950mm (5' x 3' 2")
- ▶ Punch plate: 40mm (1.5") as standard
- ▶ Speed variable

IMPACT CHAMBER

- ▶ Rotor diameter: Ø1034mm (41.5")
- ▶ Rotor width: 1000mm (40")
- ▶ Inlet opening: 1030mm x 790mm (41" x 31")
- ▶ Rotor Tip speed: 34-43m/s
- ▶ Rotor speed Range: 630-800RPM
- ▶ Drive arrangement: Direct drive via clutch
- ▶ Twin Apron



MAIN CONVEYOR

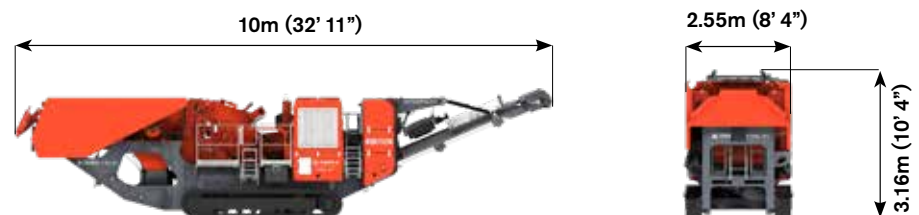
- ▶ Belt Width: 1000mm (40")
- ▶ Belt Spec: EP500/3, 8+2 (Steel wire breaker ply)
- ▶ Full length main conveyor with impact bars at feed point
- ▶ Main conveyor can be lowered hydraulically for maintenance
- ▶ Dust suppression: fitted with hose and spray bars as standard (no pump supplied)
- ▶ Discharge Height: 3.42m (11' 3")

UNDERCARRIAGE

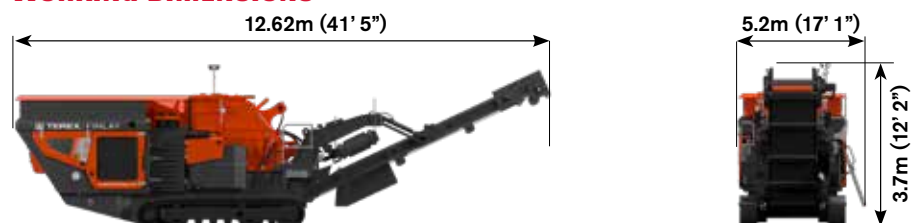
- ▶ Belt Width: 400mm (16")
- ▶ Sprocket Centres: 3.29m (10' 9")
- ▶ Track Speed: 2 speed motor as standard
- ▶ Gradeability: 30°



TRANSPORT DIMENSIONS



WORKING DIMENSIONS



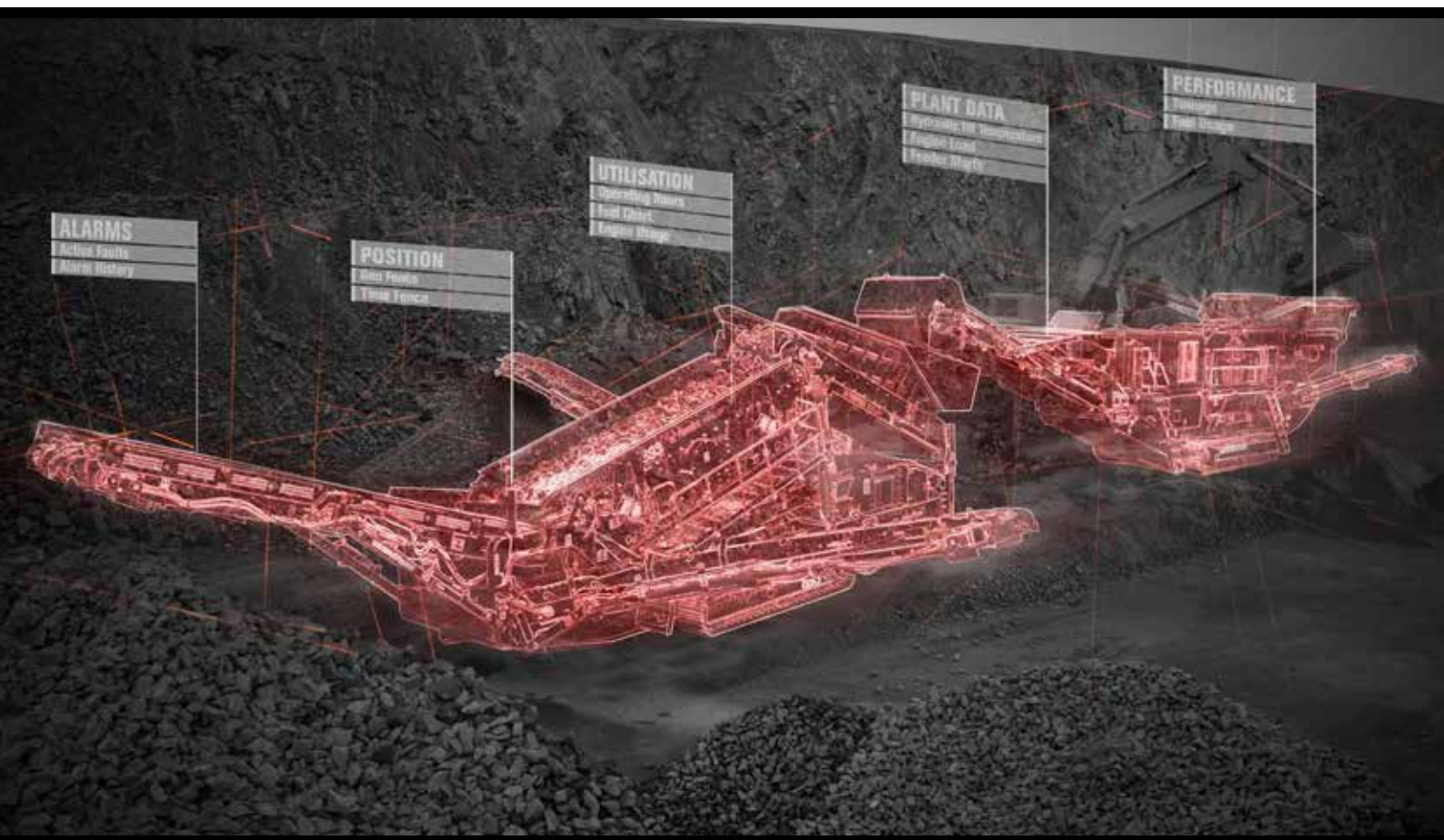
WEIGHT

29,000kg (63,934lbs)
(*TIER 4 WITH SINGLE POLE MAGNET)

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FLEET MANAGEMENT SYSTEM



FOR FURTHER INFORMATION CONTACT:

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