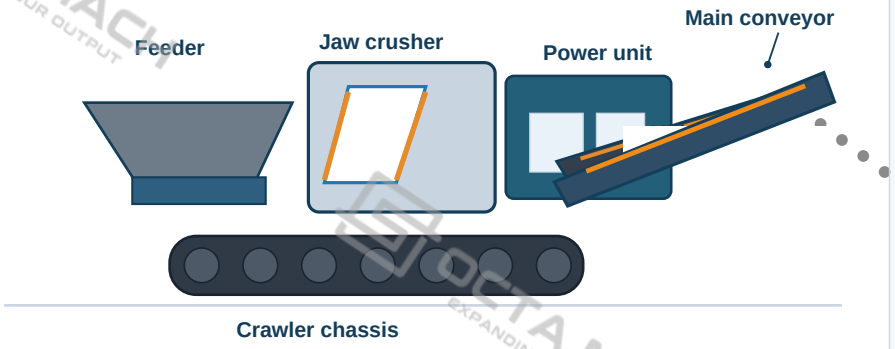
TC Series Tracked Jaw Crusher Technical Parameters

Tracked Mobile Crushing Plant - primary crushing data sheet for TC96, TC106, TC116 and TC120.



Product scope

The TC series is a tracked mobile crushing plant built around a jaw crusher unit. It integrates feeding, primary crushing, conveying, iron removal, generator power and hydraulic folding on a crawler-mounted platform.

Use this sheet for early comparison of maximum feed size, crusher power, conveyor arrangement, tracked chassis and auxiliary systems before detailed plant selection.

Model Highlights

TC96	TC106	TC116	TC120
Max feed: **550 mm**	Max feed: **650 mm**	Max feed: **700 mm**	Max feed: **800 mm**
Crusher motor: **90 kW**	Crusher motor: **110 kW**	Crusher motor: **132 kW**	Crusher motor: **160 kW**
Chassis: **35T**	Chassis: **DL385V**	Chassis: **DL385V**	Chassis: **NS415E**
Generator: **240 kW**	Generator: **300 kW**	Generator: **300 kW**	Generator: **300 kW**
Main belt: **B1000**	Main belt: **B1000**	Main belt: **B1000**	Main belt: **B1200**

Selection note: Larger models increase feed acceptance and crusher motor power, but final selection should also review material abrasiveness, discharge size, conveyor capacity, site power and downstream process.

Feeding, Crusher and Chassis Specifications

This table covers the main primary crushing elements: feeder, jaw crusher, tracked chassis and base frame. These items determine feed acceptance, crushing duty and mobile platform strength.

Parameter	TC96	TC106	TC116	TC120
Feeding Machine				
Equipment	GZD9638	ZSW1042	GZD1142	GZD1248
Motor	5.5 kW x 2	7.5 kW x 2	7.5 kW x 2	7.5 kW x 2
Drive mode	Motor driven	Motor driven	Motor driven	Motor driven
Crusher				
Equipment	SC96	SC106	SC116	SC120
Max feeding size	550 mm	650 mm	700 mm	800 mm
Motor	90 kW	110 kW	132 kW	160 kW
Drive mode	Motor driven	Motor driven	Motor driven	Motor driven
Frame				
Hydraulic tracked chassis	35T	DL385V	DL385V	NS415E
Base frame	Q345B welding	Q345B welding	Q345B welding	Q345B welding

Working logic: raw material is metered by the feeder, reduced by the jaw crusher, discharged by the main conveyor and then sent to stockpile, screening or a secondary crushing stage.

Conveyor, Iron Removal and Power System

Conveyor and auxiliary equipment must match the crusher output. In mobile crushing, discharge height, belt width, generator capacity and metal removal affect site operation as much as the crusher chamber.

Parameter	TC96	TC106	TC116	TC120
Main Conveyor				
Stack height / specification	B1000 x 12.9 m	B1000 x 12 m	B1000 x 12 m	B1000 x 12.9 m
Drive	Motor reducer drive 11 kW	Motor reducer drive 11 kW	Motor reducer drive 11 kW	Motor reducer drive 15 kW
Main belt specification	EP300-B1000 x 5 (6.0+1.5)	EP300-B1000 x 5 (6.0+1.5)	EP300-B1000 x 5 (6.0+1.5)	EP300-B1200 x 5 (6.0+1.5)
Unearthed Belt Conveyor				
Specification	B650 x 6.8 m	B650 x 6.8 m	B650 x 6 m	B650 x 6.8 m
Drive mode	Motor reducer drive 4 kW	Motor reducer drive 4 kW	Motor reducer drive 4 kW	Motor reducer drive 4 kW
Looped polyester canvas strap	EP200-B650 x 3 (4.5+1.5)	EP200-B650 x 3 (4.5+1.5)	EP200-B650 x 3 (4.5+1.5)	EP200-B650 x 3 (4.5+1.5)
Iron Remover				
Specification	RCYQ-13	RCYQ-13	RCYQ-13	RCYQ-13
Drive mode	Motor reducer drive 3 kW	Motor reducer drive 3 kW	Motor reducer drive 3 kW	Motor reducer drive 3 kW
Power System				
Generator set	240 kW engine block	300 kW engine block	300 kW engine block	300 kW engine block

Key difference: TC120 uses a B1200 main belt specification and 15 kW main conveyor drive, while TC96-TC116 use B1000 main belt specifications and 11 kW main conveyor drives.

Electrical, Hydraulic Systems and Selection Notes

Auxiliary systems support mobile operation, automatic folding and equipment protection. These items are especially important for frequent relocation, temporary crushing sites and material streams that may contain metal.

Parameter	TC96	TC106	TC116	TC120
Electrical System				
Electrical control cabinet	Soft start of jaw crusher motor; direct start of other motors; main electrical components Schneider	Same	Same	Same
Hydraulic System				
Silo folding	Hydraulic automatic folding	Hydraulic automatic folding	Hydraulic automatic folding	Hydraulic automatic folding
Belt conveyor folding cylinder	Hydraulic automatic folding	Hydraulic automatic folding	Hydraulic automatic folding	Hydraulic automatic folding
Hydraulic pumps, valves and accessories	Load-sensitive electro-hydraulic proportional manifold	Same	Same	Same

Quick Model Selection Reference

Selection item	Practical review
Feed size	TC96 up to 550 mm; TC106 up to 650 mm; TC116 up to 700 mm; TC120 up to 800 mm.
Crushing duty	Use the TC series as a tracked jaw crusher plant for primary reduction before screening, cone crushing or impact crushing.
Material condition	For iron ore, granite, basalt and other abrasive feed, review jaw plate wear, crusher load and conveyor belt wear.
Material handling	Check main conveyor width, belt specification, transfer points and discharge height together with crusher output.
Mobile operation	Confirm crawler chassis type, hydraulic folding, transport route, site access and relocation frequency.
Metal protection	RCYQ-13 iron remover should be reviewed when tramp iron, rebar or magnetic metal may enter the feed.