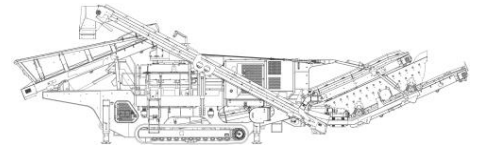


TESAB

ENGINEERED FOR POWER. BUILT TO LAST.

200TCR Cone

March 2023



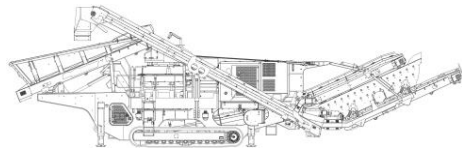
TECHNICAL SPECIFICATION



TESAB CONE CRUSHER

TESAB 200TCR

ENGINEERED FOR POWER. BUILT TO LAST.



DESCRIPTION

Heavy duty track mounted Crusher with following features:

- 200TCR Tracked Cone
- CAT C9.3B or CAT C9 Tier 3 engine
- Integrated hopper with folding rear door.
- I-beam plate fabricated chassis construction.
- Large gap between crusher discharge and main conveyor feedboot
- Open chassis design for ease of maintenance
- Fast setup time

DIMENSIONS AND WEIGHTS

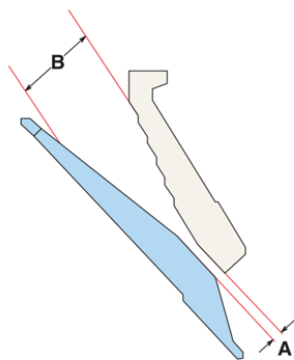
Length - transport all models	18.52m (60' – 9")
Width - transport all models	3.49m (11' – 5")
Height - transport track	3.4m (11' – 2")
Weight - track	48,430 Kgs (106,770 lbs)

CAPACITIES

Diesel tank capacity	595 L (157 US gal)
Hydraulic tank capacity	650 L (172 US Gals)

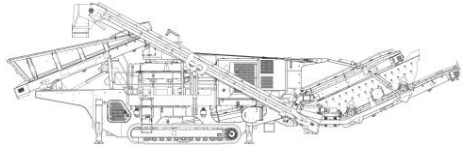
CRUSHING CHAMBER

Feed opening	914mm (38")
Crusher input speed	750 - 950 rpm
Crusher Drive	Direct drive
Min. opening	See chart below
Max. opening	See chart below
Cone weight	10,400kg (22,928 lbs)
Closed side setting adjustment	Hydraulic
Level sensor	Ultrasonic
Throw	77mm at discharge with new liners
Power required	200 Hp



Crusher Cavity Selection

		Standard	
Crusher size	Cavity	Minimum Setting "A"1	Feed Opening "B"2
MC200	Fine	13mm (0.5")	95mm (3.74")
	Medium	17mm (0.67")	125mm (4.92")
	Coarse	19mm (0.75")	185mm (7.28")
MC300	Fine	13mm (0.5")	107mm (4.21")
	Medium	17mm (0.67")	150mm (5.91")
	Coarse	19mm (0.75")	211mm (8.31")
MC400	Medium	20mm (0.79")	198mm (7.8")
	Coarse	25mm (0.98")	252mm (9.92")
	Extra Coarse	30mm (1.18")	299mm (11.77")



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FEEDER

Feeder opening width	800mm (36")
Feeder drum crs.	6000mm (19' 8.2")
Drive	Hydraulic
Feeder belt width	1050mm (48")
Motor	Danfoss OMSS 125
Gearbox	Bonfig 809 W2 24.2:1
Flow rate	87.4 Lpm (23.1 US gpm)
Adjustable speed	Yes
Maximum speed	29 rpm

HOPPER

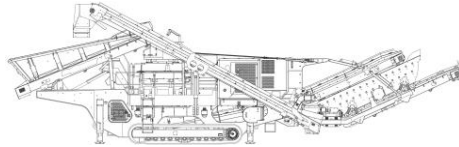
Length	3780mm (12' - 4.9")
Width	2200mm (7' - 2")
Volume	5m ³ (6.5yd ³) levelled off, 6.2m ³ (8.1yd ³) heaped
Material	6mm sides + 10mm Hardox liners

MAIN CONVEYOR

Stockpile height	4236mm (13' - 10.8")
Belt width	1200mm (48")
Belt spec	Plain 500/3 8+2
Drive drum dia.	350mm (13.7")
Tail drum dia.	270mm (10.6")
Motor	OMV800
Flow rate	89.6 Lpm (23.7 US gpm)
Maximum speed	112 rpm
Angle adjustable	YES
Quick release	YES

POWERUNIT AND HYDRAULICS

Engine	CAT C9.3B T4 Stage V
Engine power	340Kw (455HP)
Engine speed	1800 RPM
Cone drive clutch	Transfluid 21 KPTO
Auxiliary Pump	43cc/22cc Tandem Pump
Rear PTO's	2 x 51cc Pumps
Crusher drive pulley	SPC 375 x 8
Hydraulic clutch oil cooler	YES
Hydraulic oil cooler	YES



RECIRC SYSTEM - SCREENBOX

Dimensions - top deck	3660mm x 1525mm (12' x 5')
Dimensions - bottom deck	3050mm x 1525mm (10' x 5')
Bearing type	NSK/RHP 22219
Screens - top deck	5' x 4' side tension - 2 off & 5' x 2' side tension - 2 off
Screens - bottom deck	5' x 4' side tension - 2 off & 5' x 2' side tension - 1 off
Tensioning - top and bottom decks	Quick release pin and wedge
Screen angle	25 deg
Screen motor	DBH MCC2208 (59cc/rev)
Drive system	Direct drive with HRC150 coupling
Hydraulic flowrate	YES - Pressure compensated FCV
Screen stroke adjustable	8 - 10mm
Screen shaft speed	950 rpm
Screen 'g' force	5.05

RECIRC SYSTEM - RETURN CONVEYOR

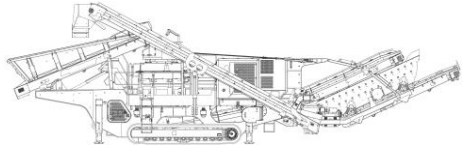
Belt width	650mm (26")
Belt spec	Chevron - 500/3 5+1.5 C15
Drive drum dia.	290mm (11.5")
Tail drum dia. (Spoked)	270mm (10.6")
Motor	OMT500
Flow rate	68.4 Lpm (18 US gpm)
Adjustable speed	YES
Maximum speed	135 rpm
Quick Release	YES
Radial to side for stockpiling	YES

RECIRC SYSTEM - TRANSFER CONVEYOR OVERSIZE

Belt width	500mm (26")
Belt spec	Plain 600/3 4+2
Drive drum dia.	178mm (7")
Tail drum dia.	187mm (7.36") Spoked
Motor	OMH500
Flow rate	68.4 Lpm (18 US gpm)
Adjustable speed	YES
Maximum speed	135 rpm

RECIRC SYSTEM - FINES CONVEYOR

Stockpile height	2863mm (9' - 4.7")
Belt width	1200mm (48")
Belt spec	Plain 500/3 8+2
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6") - spoked
Motor	OMV630
Flow rate	Up to 72.6 Lpm (19.2 US gpm)
Maximum speed	Up to 115 rpm



ENGINEERED FOR POWER. BUILT TO LAST.

RECIRC SYSTEM – TRANSFER CONVEYOR MID PRODUCT (2 deck only)

Stockpile height	1872mm (6' – 1.6")
Belt width	650mm (26")
Belt spec	Plain 400/3 4+2
Drive drum dia.	188mm (7.4")
Tail drum dia.	188mm (7.4")
Motor	OMT500
Flow rate	Up to 68.8 Lpm (18.2 US gpm)
Adjustable speed	YES
Maximum speed	Up to 138 rpm

ELECTRICS

Emergency stops	4 off, 2 feeder, 2 power unit
Chassis cabling	Armored cable
Start Siren	YES – 10 sec delay
Control panel	Tedd Engineering / IFM
Engine shutdowns:	Low oil pressure High water temp Air filter blockage (selectable) Fuel contamination Low hydraulic tank level Low lube oil flow Low lube oil pressure High lube oil temperature High hydraulic oil temperature
Radio control tracks and feeder	STANDARD
Pendant track control	YES – plugged in control cabinet

TRACKS

Width	400mm (15.7")
Length	3800mm (12' – 5.5") crs
Height	817mm (33.5")
Gearbox	Bonfiglioli 711
Ratio	144:1
Motor	Rexroth A2FE90
Speed max	1.50 Kph (0.93 Mph)
Flow rate	152 Lpm (40.2 US gpm) Three speed system selectable at control panel with smooth start / stop.
Multiple speeds	

OPTIONS

Hopper Extensions
Water Pump and Dust Suppression System
Various cone liner options (Fine/Coarse)
Work Lights
Belt Scale
Refueling Pump

SAFETY FEATURES

External belt alignment points
External grease points
Engine safety shutdown systems
Full safety guarding for nip points

