

I-130RS

IMPACT CRUSHER



Inlet Opening:	Ø1065mm x 1245mm (Ø42" x 49")
Net Engine Power:	Tier 2: Scania DC13 335kW (450hp) Tier 4F/Stage V: Scania DC13 335kW (450hp) Dual Certified
Portability:	Tracked
Estimated Operating Weight:	62,500Kg (139,994lbs) - Prescreen, Hopper Ext, Dirt Conv, Under pan, Double Transfer, Mid grade conveyor, Twin Pole Magnet, Stage V Scania DC13)

STRONG **HERITAGE**, STRONG **FUTURE**

 **FINLAY**®
A TEREX BRAND

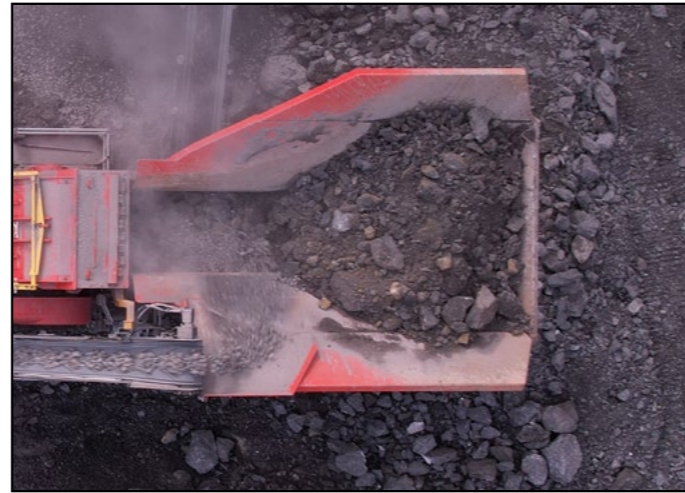
I-130RS

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VGF HOPPER/FEEDER

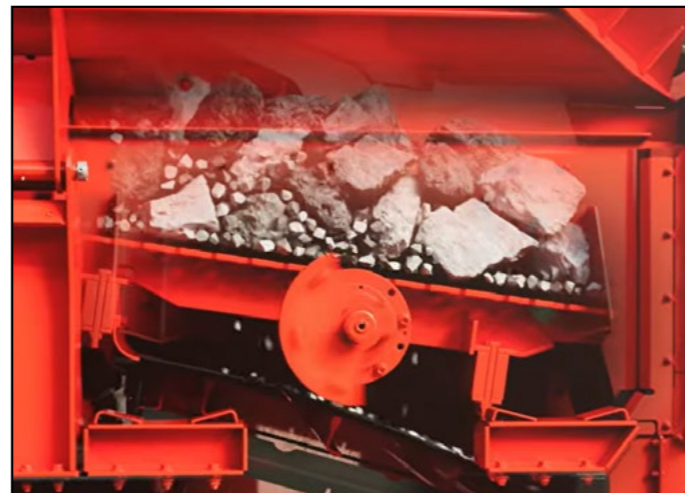
Hydraulic folding hopper with wedge-lock system
Length: 4.81m (15' 10")
Width: 2.6m (8' 6")
Width with extensions: 3.15m (10' 4")
Capacity: 7.2m³ (9.4 yd³)
Capacity with extensions: 9.4m³ (12.3 yd³)
Feed height: 4.25m (13' 11")
Feed height with extensions rear: 4.25m (13' 11")
Feed height with extensions side: 4.53m (14' 10")
VGF Grizzly aperture: 50mm (2") standard - options available
VGF wire mesh aperture: 38mm (1 1/2")



Hopper & Feeder

PRE-SCREEN (OPTIONAL)

Pre-screen: Hydraulic driven independent 2 deck prescreen
1.98m (6'6") x 1.17m (3'10") top and bottom deck
50mm (2") cassette standard - options available
punch plate top deck available
38mm (1 1/2") mesh standard - options available



Optional Independent Pre-Screen

IMPACT CHAMBER

Rotor width: 1245mm (49")
Rotor diameter: Ø1065mm (42")
Pre-screen inlet opening: 1166mm x 729mm (46" x 29")
Max CSS setting: 150mm (6") primary, 75mm (3") secondary
Min CSS setting: 50mm (2") primary, 18mm (0.7") secondary
Rotor speed: 590 - 748rpm
Tip speed: 33-41.8m/s
Drive arrangement: Direct Drive through wedge belts with tensioning system on the power unit
Twin Apron - grinding path option available
Hydraulic hood open
Simple wrench adjustment of aprons, hydraulic assist
Rotor configuration: 4 Bar Rotor
2 High & 2 Low - other options available
Max Feed Size: 500mm - Blasted Rock (Limestone Type), 800 x 650 x 250mm - Concrete / Demolition (Slab)
Maximum recommended size of rebar steel in feed material: 20mm diameter, 500mm long



Impact Chamber

POWERPACK

Tier 2: Scania DC13
Engine Power: 335kW (450hp)
Engine Speed: 1500 - 1900 rpm
Tier 4F/Stage V: Scania DC13
Engine Power: 335kW (450hp)
Engine Speed: 1500 - 1900 rpm

MAIN CONVEYOR

Belt Width: 1100mm (44")
Working Angle: 24°
Dust Suppression: fitted with hose and spray bars as standard (no pump supplied)
Discharge height: 3.78m (12' 6")
Stockpile capacity: 99m³ (130yd³)
Optional under crusher vibratory feeder with wear resistant steel liners (c/w shortened main conveyor)

CONTROL SYSTEM

Full PLC control system
Full colour backlit screen
Complete pictorial user controls
Multi-function backlit menu buttons
Full system diagnostics
Sequential auto start up
Main controls:

- Engine/crusher speed
- Feeder (start/stop/speed)
- Product conveyor (start/stop)
- Screen/fines/cross/recirculating
- Product conveyor raise/lower
- Side conveyor
- Crusher control/screen setup

Detachable doglead control for tracking
Radio remote control
Engine control/monitoring panel
Lockable compartment
Emergency stops: 6 off

PLATFORMS

Galvanised catwalks and ladders for full maintenance and service access
Catwalks on both sides of machine
Compact folding for transport



Main & Fines Conveyors



Control System



Platforms

I-130RS

IMPACT CRUSHER



TANK CAPACITIES

Diesel Tank Capacity: 720L (190 US G)
Hydraulic Tank Capacity: 700L (184 US G)
Reductant Tank Capacity: 60L (16.8 US G)

BY-PASS CONVEYOR (OPTIONAL)

Belt Width: 650mm (25")
Working Angle: 24°
LH and RH variant available (Specify at time of order)
Hydraulic folding for transport
Discharge Height: 2.58m (8' 6")
Stockpile capacity: 31m³ (41yd³)

MAGNETIC SEPARATOR (OPTIONAL)

Suspended self cleaning crossbelt overband magnet
Belt Width: 750mm (30")
Drive: Direct Drive Hydraulic Motor
Single Pole or Twin Pole - RHS discharge only

UNDERCARRIAGE

Bolt on tracks
Shoe Width: 500mm (20")
Sprocket Centres Prescreen: 4.05m (13' 3")
Sprocket Centres VGF - 3.79m (12' 5")
Variable Speed Tracks
Top Speed 1 km/h
Gradeability: 30°

RS COMPONENT

Double deck afterscreen: 4.57m X 1.7m (15' X 5' 7") top deck
4.57m X 1.53m (15' X 5') bottom deck
Fines conveyor: 1400mm (55")
Fines Discharge height: 3.24m (10' 8")
Fines Stockpile Volume: 62m³ (82yd³)
Transfer conveyor: 500mm (20") single transfer conveyor collecting material from both decks
Re-circulating conveyor: 500mm (20") hydraulic folding with capability to slew for stockpiling material
RS Discharge height: 4.8m (15' 9")
RS Stockpile volume: 204m³ (267 yd³)
Quick detach fitted as standard
Option: Additional second transfer conveyor with 500mm (20") mid-grade stockpile conveyor



By-Pass Conveyor



Overband Magnet



Tracks

OPTIONAL EQUIPMENT:

Crushing Chamber Gridding Path
Rotor fitted with 2 full martensitic ceramic & 2 low martensitic blow bars
Rotor fitted with 2 full high chrome & 2 low martensitic blow bars
Rotor fitted with 2 full toughened chrome & 2 low martensitic blow bars
Rotor fitted with 4 full martensitic ceramic blow bars
Rotor fitted with 4 full high chrome blow bars
Rotor fitted with 4 full toughened chrome blow bars
Hopper Extensions
Pre-screen optional grizzly spacing - 38mm, 63mm or 75mm
Pre-Screen optional punch plate spacing - 25mm, 38mm, 50mm, 63mm & 75mm
VGF optional grizzly spacing - 38mm, 63mm or 75mm
VGF optional punch plate spacing - 25x75mm, 38mm, 50mm, 63mm & 75mm
Mesh aperture on grizzly under screen if changing from standard size
Under crusher vibratory feeder with wear resistant steel liners (c/w shortened main conveyor)
Additional dust cover
Bypass conveyor with 650mm wide plain belt, discharging to the RHS or LHS of the machine.
Magnet preparation c/w hosing, shredder plate and mounting chains (RHS discharge standard)
Single pole over band magnet c/w stainless steel skirting & stainless steel discharge chute, discharging to RHS of the machine.
Twin pole over band magnet (skirting & chute as above).
Belt weigher
Additional dust cover on fines conveyor
Additional transfer conveyor for collecting material from each individual deck of screen box
Additional transfer & Stockpile conveyor for collecting material from each individual deck of screen box. Giving middle grade product -
Wind Sifter on oversize transfer, hydraulic driven fan c/w air nozzle.
Available with single transfer conveyor only
Hot climate lubrication kit (Recommended for ambient temperatures between +15 to +50°C)
Cold climate lubrication kit(Recommended for ambient temperatures between -20 to +30°C).
Water pump for dust suppression
Lighting Mast
Reversible Engine Fan with fuel save function
Plant Auto Greaser



Afterscreen



RS Conveyor

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MAIN CONVEYOR

- Belt Width: 1100mm (44")
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- Stockpile capacity: 99m³ (130yd³)
- Optional under crusher vibratory feeder with wear resistant steel liners (c/w shortened main conveyor)

IMPACT CHAMBER

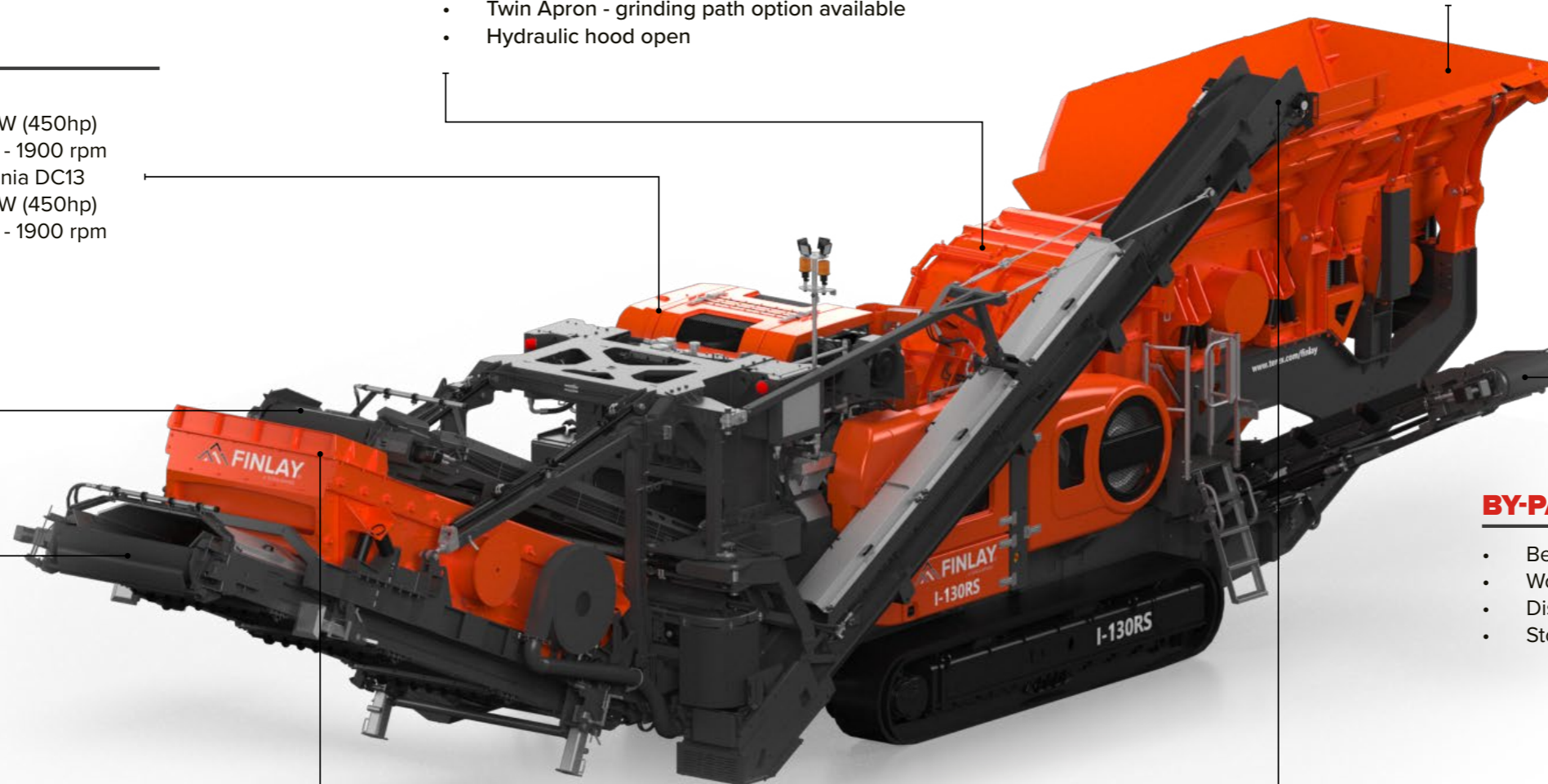
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- Tip speed: 33-41.8m/s
- Drive arrangement: Direct Drive through wedge belts with tensioning system on the power unit
- Twin Apron - grinding path option available
- Hydraulic hood open

HOPPER / FEEDER

- Hydraulic folding hopper with wedge-lock system
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POWERPACK

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- Tier 4F/Stage V: Scania DC13
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BY-PASS CONVEYOR (OPTIONAL)

- Belt Width: 650mm (25")
- Working Angle: 24°
- Discharge Height: 2.58m (8' 6")
- Stockpile capacity: 31m³ (41yd³)

FINES CONVEYOR

- Belt Width: 1400mm (55")
- Discharge height: 3.24m (10' 8")
- Stockpile Volume: 62m³ (82yd³)

AFTERSCREEN

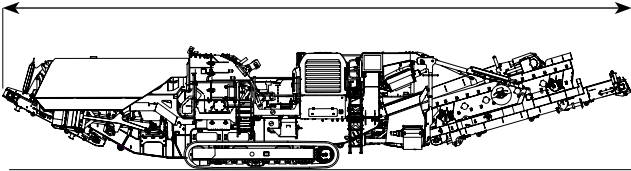
- Double deck afterscreen
- 4.57m X 1.7m (15' X 5' 7") top deck
- 4.57m X 1.53m (15' X 5') bottom deck

RE-CIRCULATING CONVEYOR

- Belt width: 500mm (20") hydraulic folding with capability to slew for stockpiling material
- Discharge height: 4.8m (15' 9")
- Stockpile volume: 204m³ (267 yd³)
- Belt spec: Chevron

TRANSPORT DIMENSIONS

19.6m (63' 4") with mid-grade conveyor
 18.96m (62' 3") without mid-grade conveyor

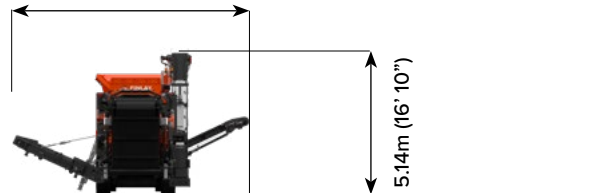


WORKING DIMENSIONS

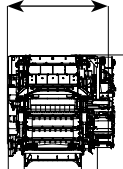
18.5m (60' 9")



5.95m (19' 6") with bypass conveyor
 6.24m (20' 5") with mid-grade conveyor



3.33m (10' 11")



3.6m (11' 10")

ESTIMATED MACHINE WEIGHT:

62,500Kgs
 (Prescreen, Hopper Ext, Dirt Conv, Under pan, Double Transfer, Mid grade conveyor, Twin Pole Magnet, Stage V Scania DC13))