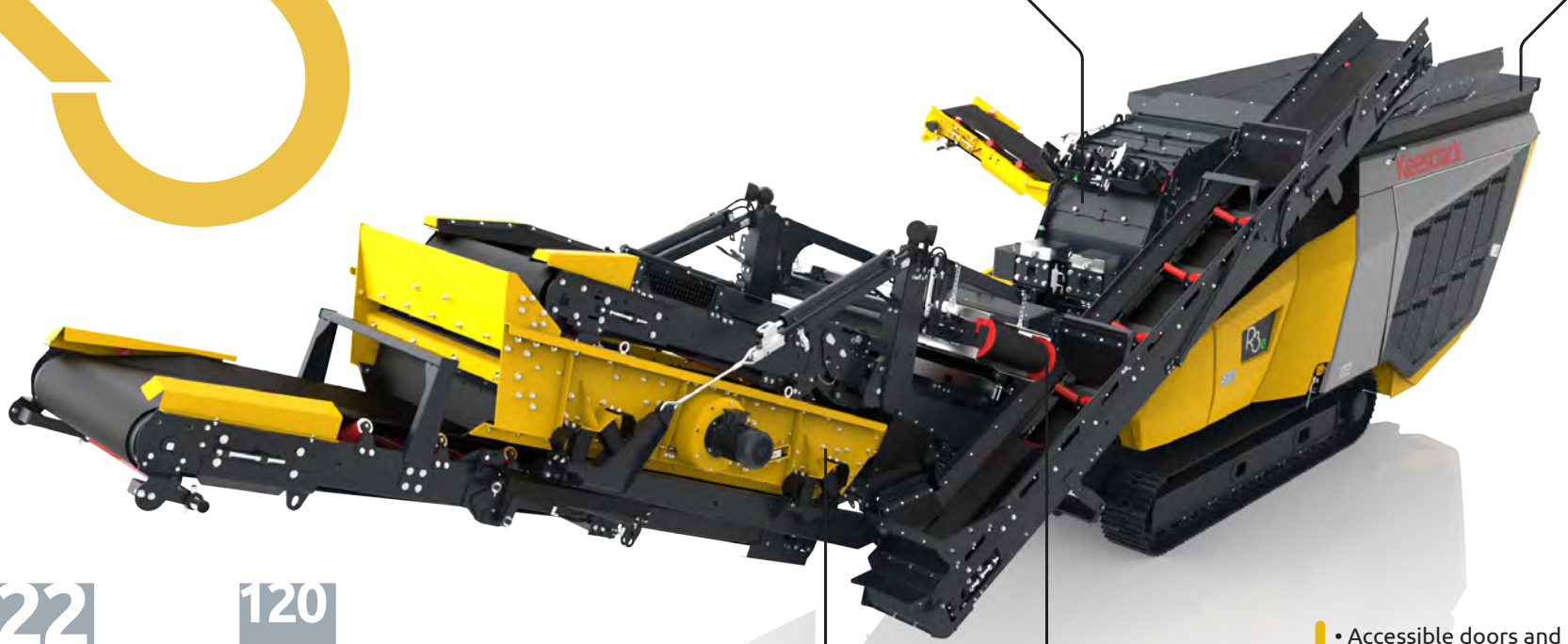
R3

Its award winning ground breaking design and innovative technology, like the sustainable zero-emission plug-in electric drive system, high safety standards and the powerful and functional design makes this compact impactor a winner in its class.



28 l/h
Diesel-hydraulic

22 l/h
Diesel-electric

120 kWh
Electric plug-in mains

Applications

- Limestone and many other low and medium abrasive natural rock
- Concrete and landfill recycling
- Primary and secondary crushing
- Yard clean up
- Construction & Demolition waste
- Quarrying and mining
- Gravel
- Asphalt
- Coal
- And others

- Accessible doors and panels on all sides of the machines for maintenance and repair
- Pre-screening via crusher bypass or stockpiled
- All drive drums and return drums of belt conveyors are greased for life

METRIC

Keestrack

TECHNICAL SPECIFICATIONS	
Capacity up to	250 t
Weight	R3h 24,5 t - R3e 26,5 t - ZERO 24,5 t
Weight incl. single deck after screen	R3h 28 t - R3e 30,5 t - ZERO 28 t
Weight incl. double deck after screen	R3h 30,8 t - R3e 34 t - ZERO 31,3 t
Inlet opening	770 x 960 mm
Hopper	3,5 m³
Feed hopper in HB450 and wear lining in HB 450 & 500	•
Hydraulic foldable hopper walls	/
Loading height	3200 mm
Loading width (back)	2400 mm
Side loading length	3450 mm right, 2750 mm left
Wear lining	HB 450 welded/ HB 500 bottom
Vibrating feeder with pre-screen, l x w	3700 mm x 920 mm
Pre-screen scalper, l x w	1200 mm x 920 mm
Screened fraction either in crusher bypass or separately stockpiled (option)	•
Vibrating feeder, l x w	n/a
Independent vibrating Double Deck pre-screen	n/a
Double deck pre-screen, l x w top deck	n/a
Double deck pre-screen, l x w bottom deck	n/a
Under screen conveyor: Reversible, to crusher bypass or to side conveyor	/
Fine fraction either in crusher bypass or separately stockpiled (option)	n/a
Intermediate fraction in crusher bypass	n/a
Intermediate fraction either in crusher bypass or separately stockpiled (option)	n/a
Turnable heavy duty bar for edge protection in inlet	•
Impact Crusher	
Weight of impact crusher (excl. milling beam)	8,5 t
Inlet opening	770 x 960 mm
Rotor width	920 mm
Rotor diameter	1100 mm
Rotor weight (excl. Bearings)	3,2 t
Impact aprons	2 pcs
Hydraulic release system inlet area via remote control	•
Hydraulic setting of aprons, turning spindle for fixation of the back stop. Spring force adjustments and shimming plates fixation"	•
Standard access to crusher house	right side
Vibrating discharge feeder (l x w)	/
Main conveyor belt (l x w) & (discharge height)	8100 mm x 1000 mm (3310 mm)
Main conveyor belt height adjustable at discharge and lowerable mechanism	•
Main conveyor hydraulic foldable for transport	•
Track-unit: Length, total width, track shoe width	3310, 2300, 400 mm
2-speed track drive	1,1 km/h and 2 km/h
Drop-off engine	/
Engine unit(s), indication, sometimes more optional engines	202 kW @ 1500 RPM, 222 kW @1800 RPM
Control	PLC – IP 67 LCD screen 7" & remote control
Smart sequential auto start/stop from remote control	•
Safety protection with special key system, emergency stops, machine stop at remote, protected doors during operation and other safety features	•
All drive drums and return drums of belt conveyors are greased for life	•
Patented tilting chassis for increased maintenance access and to increase feed capacity if needed	/
Available drive systems	
Diesel/hydraulic drive	•
Rotor direct driven by engine, electric driven components	/
e-drive Diesel/hybrid, electric plug-in & plug-out	•
ZERO drive (no combustion engine, plug-in electric)	•

OPTIONS

Feeding , pre-screen & crushing	
Hopper extensions	5 m³
Screen media pre-screen	Range of punched plates, screen plates and Zig zag-shaped or blind plate
Stockpiling Side belt conveyor from pre-screen l x w (discharge height)	3900 x 500 mm (2595 mm)
Milling beam	•
Deviation plates	•
Several quality blow bars	•
Swiveling arm and hoist to change blow bars	•
Frequency inverter for crusher drive on e-version	•
After screen	
Single deck after screen: l x w, incl oversize, recycling and fines conveyor	3100 x 1400 mm
Oversize stockpile conveyor l x w (discharge height)	4400 x 500 mm (2520 mm)
2- deck after screen: incl oversize, recycling and fines conveyor for closed circuit processing. After screen unit can be disassembled easy by fast connectors and can be placed on support legs	•
Top deck, l x w	3100 x 1400 mm
Bottom deck, l x w	3100 x 1400 mm
Screen media after screen	Wire mesh / square mesh / Harp screen
Middle fraction stockpile conveyor, l x w (discharge height)	6000 x 500 mm (3036 mm)
Fines conveyor, l x w (discharge height)	4200 x 1000 mm (3100 mm)
Swiveling recycling conveyor can be used as recycling conveyor (closed circuit) / stockpile conveyor oversize fraction (hydraulic foldable)	/
Standard walkways besides the screen box	/
Optional walkways besides the screen box	/
Other options	
Wheeled dolly	/
Dust suppression system at crusher inlet and outlet or at end of main and fines conveyor	•
Height adjustable magnet separator on main conveyor	•
Wind sifter (air knife) for oversize fraction	•
Dust cover main conveyor / fines conveyor	/
Volumetric belt scale	•
Radio remote, several options	•
Fuel filling pump	•
Central greasing system	•
Working lights	•
Telematics system UMTS/GPS	•
Heating system for engine	•
Lifting eyes	•

TRANSPORT	
Transport l x w x h (mm)	10070 x 2550 x 3300 mm
Transport l x w x h (mm) 1-deck	12865 x 2550 x 3300 mm
Transport l x w x h (mm) 2-deck	14020 x 2550 x 3300 mm

LEGENDA	
•	applicable - available
/	not applicable- not available

METRIC

R3

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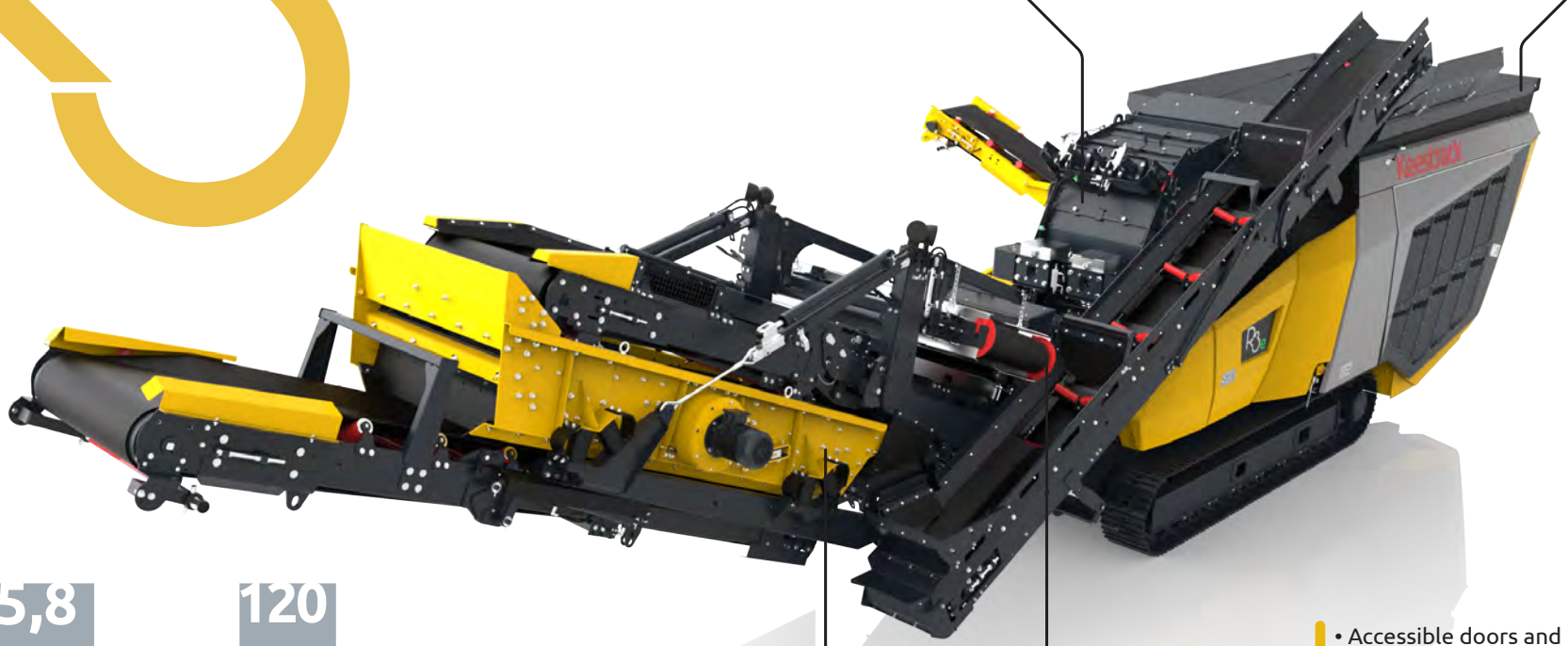

7,4 US Gal/h	5,8 US Gal/h	120 kWh
Diesel-hydraulic	Diesel-electric	Electric plug-in mains

Applications

- Limestone and many other low and medium abrasive natural rock
- Concrete and landfill recycling
- Primary and secondary crushing
- Yard clean up
- Construction & Demolition waste
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- Gravel
- Asphalt
- Coal
- And others

- Accessible doors and panels on all sides of the machines for maintenance and repair
- Pre-screening via crusher bypass or stockpiled
- All drive drums and return drums of belt conveyors are greased for life

IMPERIAL

Keestrack

TECHNICAL SPECIFICATIONS	
Capacity up to	275 sT
Weight	R3h 27 sT - R3e29,2 sT - ZERO 27 sT
Weight incl. single deck after screen	R3h 30,8 sT - R3e 33,6 sT - ZERO 30,8 sT
Weight incl. double deck after screen	R3h 34 sT - R3e37,5 sT - ZERO 34,5 sT
Inlet opening	30" x 38"
Hopper	4,5 yard³
Feed hopper in HB450 and wear lining in HB 450 & 500	•
Hydraulic foldable hopper walls	/
Loading height	10'6"
Loading width (back)	7'10"
Side loading length	11'3" right, 9' left
Wear lining	HB 450 welded/ HB 500 bottom
Vibrating feeder with pre-screen, l x w	12'2" x 3'
Pre-screen scalper, l x w	3'11" x 3'
Screened fraction either in crusher bypass or separately stockpiled (option)	•
Vibrating feeder, l x w	n/a
Independent vibrating Double Deck pre-screen	n/a
Double deck pre-screen, l x w top deck	n/a
Double deck pre-screen, l x w bottom deck	n/a
Under screen conveyor: Reversible, to crusher bypass or to side conveyor	/
Fine fraction either in crusher bypass or separately stockpiled (option)	n/a
Intermediate fraction in crusher bypass	n/a
Intermediate fraction either in crusher bypass or separately stockpiled (option)	n/a
Turnable heavy duty bar for edge protection in inlet	•
Impact Crusher	
Weight of impact crusher (excl. milling beam)	9 sT
Inlet opening	30" x 38"
Rotor width	3'
Rotor diameter	3'8"
Rotor weight (excl. Bearings)	3,5 sT
Impact aprons	2 pcs
Hydraulic release system inlet area via remote control	•
Hydraulic setting of aprons, turning spindle for fixation of the back stop. Spring force adjustments and shimming plates fixation"	•
Standard access to crusher house	right side
Vibrating discharge feeder (l x w)	/
Main conveyor belt (l x w) & (discharge height)	26'7" x 3'3" (10'10")
Main conveyor belt height adjustable at discharge and lowerable mechanism	•
Main conveyor hydraulic foldable for transport	•
Track-unit: Length, total width, track shoe width	10'10", 7'7", 1'2"
2-speed track drive	0,7 and 1,2 mph
Drop-off engine	/
Engine unit(s), indication, sometimes more optional engines	202 kW @ 1500 RPM, 222 kW @1800 RPM
Control	PLC – IP 67 LCD screen 7" & remote control
Smart sequential auto start/stop from remote control	•
Safety protection with special key system, emergency stops, machine stop at remote, protected doors during operation and other safety features	•
All drive drums and return drums of belt conveyors are greased for life	•
Patented tilting chassis for increased maintenance access and to increase feed capacity if needed	/
Available drive systems	
Diesel/hydraulic drive	•
Rotor direct driven by engine, electric driven components	/
e-drive Diesel/hybrid, electric plug-in & plug-out	•
ZERO drive (no combustion engine, plug-in electric)	•

OPTIONS

Feeding , pre-screen & crushing	
Hopper extensions	6,5 yard³
Screen media pre-screen	Range of punched plates, screen plates and Zig zag-shaped or blind plate
Stockpiling Side belt conveyor from pre-screen l x w (discharge height)	12'10 x 1'8" (8'6")
Milling beam	•
Deviation plates	•
Several quality blow bars	•
Swiveling arm and hoist to change blow bars	•
Frequency inverter for crusher drive on e-version	•
After screen	
Single deck after screen: l x w, incl oversize, recycling and fines conveyor	10'2" x 4'8"
Oversize stockpile conveyor l x w (discharge height)	14'5" x 1'8" (8'3")
2- deck after screen: incl oversize, recycling and fines conveyor for closed circuit processing. After screen unit can be disassembled easy by fast connectors and can be placed on support legs	•
Top deck, l x w	10'2" x 4'8"
Bottom deck, l x w	10'2" x 4'8"
Screen media after screen	Wire mesh / square mesh / Harp screen
Middle fraction stockpile conveyor, l x w (discharge height)	19'8" x 1'8" (10')
Fines conveyor, l x w (discharge height)	13'9" x 3'3" (10'2")
Swiveling recycling conveyor can be used as recycling conveyor (closed circuit) / stockpile conveyor oversize fraction (hydraulic foldable)	/
Walkways besides the screen box	/
Other options	
Wheeled dolly	/
Dust suppression system at crusher inlet and outlet or at end of main and fines conveyor	•
Height adjustable magnet separator on main conveyor	•
Wind sifter (air knife) for oversize fraction	•
Dust cover main conveyor / fines conveyor	/
Volumetric belt scale	•
Radio remote, several options	•
Fuel filling pump	•
Central greasing system	•
Working lights	•
Telematics system UMTS/GPS	•
Heating system for engine	•
Lifting eyes	•

TRANSPORT	
Transport l x w x h	33' x 8'4" x 10'10"
Transport l x w x h 1-deck	42'2" x 8'4" x 10'10"
Transport l x w x h 2-deck	46' x 8'4" x 10'10"

LEGENDA	
•	applicable - available
/	not applicable- not available

IMPERIAL