

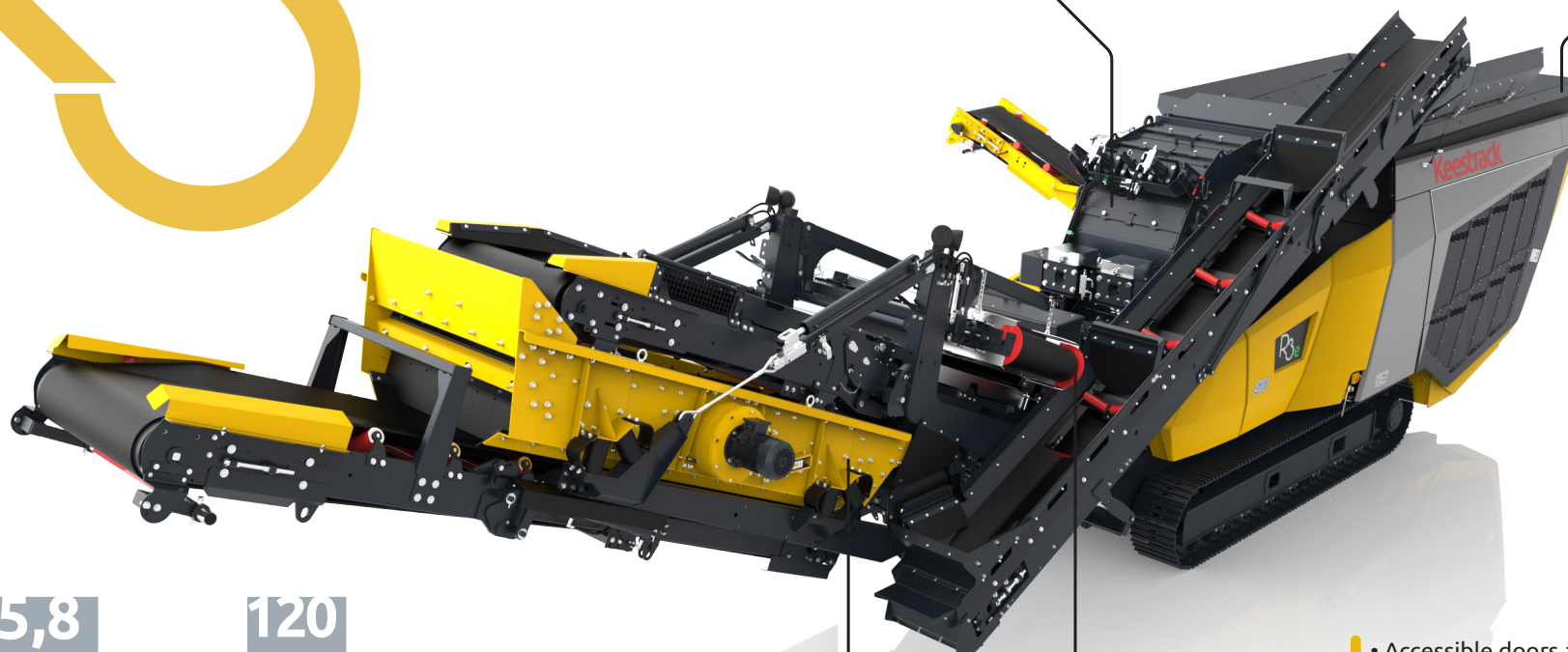
R3

IMPERIAL

Rotor design with high mass of inertia and blow bars designed for a longer lifetime

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.

Asymmetric inlet to avoid blockage



7,4
US Gal/h

Diesel-hydraulic

5,8
US Gal/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

Single or double deck
after screen

Liftable magnetic separator

- 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

Keestrack

TECHNICAL SPECIFICATIONS	
Capacity up to	275 sT
Weight	30 sT
Weight incl. single deck after screen	33 sT
Weight incl. double deck after screen	36 sT
Inlet opening	30" x 38"
Hopper	4,5 yard ³
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 shiming 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)	•

IMPERIAL



OPTIONS

Feeding , pre-screen & crushing	
Hopper extensions	6,5 yard ³
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	32'10" x 8'4" x 10'6"
Transport l x w x h 1-deck	42'4" x 8'4" x 10'6"
Transport l x w x h 2-deck	43'6" x 8'4" x 10'6"

LEGENDA	
•	applicable - available
/	not applicable- not available

