

I4 IMPACT CRUSHER RANGE

PRODUCT BROCHURE



RANGE



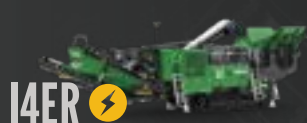
I4



I4R



I4E ⚡



I4ER ⚡



I4c



I4cR

McCloskey®
INTERNATIONAL

I4 IMPACT CRUSHER RANGE

POWERFUL, SUSTAINABLE, & HIGHLY VERSATILE

McCloskey's new I4 impact crusher range is built to tackle the real-world challenges of modern operations, delivering exceptional product quality, high throughput, and maximum versatility.

The lineup includes both diesel and electric powered models to

suit different site conditions and compliance requirements.

The I4 features 365SiteConnex, delivering real-time machine insights, helping operators optimize performance, minimize downtime, and enhance security. For either a single I4, or an entire fleet,

this advanced telematics system provides the data needed to boost uptime and productivity.

Whether the job is large or small, our I4 range offers a smart, high-performance solution for every jobsite.

RECIRCULATING MODELS

Recirculating models, including our I4R, I4ER and I4cR impact crushers deliver efficient performance, producing a crushed and screened final product in one machine. A swing-out radial return conveyor allows recirculation or side discharge, while adjustable speeds boost flexibility. Compact and electric versions are available to suit a range of sites.

APPLICATIONS

Ideal for recycling applications such as asphalt and concrete, where oversized material can be returned for further reduction. They also excel in natural rock processing, as well as construction and demolition debris handling.

ELECTRIC MODELS

Built for modern material processing, our I4E and I4ER models feature an innovative hybrid-electric drive system that provides powerful performance with lower fuel use and emissions. These machines offer efficient, sustainable operation, all while matching the output of diesel units and supporting environmental compliance.

APPLICATIONS

Engineered to reduce fuel costs and emissions, these models are ideal for operations with grid access or where low-noise, low-emission output is essential, perfect for indoor, urban, or sensitive sites needing a cleaner, quieter solution.

COMPACT MODELS

Small and powerful, our I4c and I4cR compact impact crushers deliver high performance in limited spaces. Designed for urban sites and confined jobs, they offer strong throughput, quick setup, and easy transportation. Despite their smaller size, these machines match the durability and efficiency of larger models while keeping operating costs low.

APPLICATIONS

Particularly suited for demolition, asphalt recycling, aggregates, and compact construction sites, these models match larger units in efficiency and durability, while offering added mobility and access in tighter spaces.

CRUSHING CHAMBER

At the heart of the I4 impact crushers is our state-of-the-art crushing unit. Exceptional performance is built in, with a heavy-duty rotor and powerful direct or electric drive ensuring high, stable throughput, even under demanding conditions.

Our impact crushers feature a unique proprietary crushing chamber design, enabling operators, even those with limited experience, to achieve efficient performance from day one. Optimized feed geometry ensures excellent material intake, while a simple, safe setup process allows quick adjustments in minutes.



I4 Impact Chamber

- Aggressive impactor chamber with a high reduction ratio while being easy to maintain
- Feed opening: 1,159 x 800 mm (45.3" x 31.5")
- 4-Bar-Rotor (2 high + 2 low as Standard)
- 1,050 mm diameter x 1,125 mm (41.3" x 44.3") wide rotor
- Aggressive blow bar and apron design
- Easy to adjust CSS settings
- Primary and secondary crushing capability
- 3 crush zones (4th optional)
- Interchangeable apron wear parts



STANDARD FEATURES & OPTIONS

MAIN CONVEYOR

- Angle adjustable (except I4cR)

POWER UNIT AND HYDRAULICS

- Hydraulic oil cooler
- Available in diesel or electric
- External plug-in connection (I4E & I4ER only)
- Filtered and pressurized cabinet (I4E & I4ER only)

TRACK SYSTEM

- Quick-change bolt-on design
- 3-speeds with smooth start/stop
- Remote control operated
- D4 components

OPTIONS

- Main conveyor feedbox (excludes I4c & I4cR)
- Bofor / Grizzly options
- Hopper extensions

- Overband magnet with hydraulic raise / lower (excludes I4c & I4cR)
- Water pump and dust suppression system
- Various blow bar material options
- 4 Full height blow bars
- Hoist for blowbar change
- Work lights
- Refueling pump (I4c & I4cR only)
- Rubber liners in hopper and feeder (excludes I4c & I4cR)
- Punch plate in prescreen (excludes I4c & I4cR)

Contact dealer for full feature and options information.

WORK SAFE

Built with safety at their core, our machines help you to get the job done confidently and securely.



EXTERNAL BELT
ALIGNMENT POINTS



EXTERNAL
GREASE POINTS



ENGINE SAFETY
SHUTDOWN SYSTEMS



FULL SAFETY GUARDING
FOR NIP POINTS

GENERAL SPECIFICATIONS

	I4	I4E	I4c
CRUSHING CHAMBER			
Feed opening WxH	1,150 x 800 mm (45.3" x 31.5")	1,150 x 800 mm (45.3" x 31.5")	1,150 x 800 mm (45.3" x 31.5")
Rotor dimensions DxW	1,050 x 1,125 mm (41.3" x 44.3")	1,050 x 1,125 mm (41.3" x 44.3")	1,050 x 1,125 mm (41.3" x 44.3")
Crusher speed	600-675 rpm (33-37.1 m/s rotor tip speed)	600-675 rpm (33-37.1 m/s rotor tip speed)	600-675 rpm (33-37.1 m/s rotor tip speed)
Number of aprons	1	1	1
Number of blowbars	4, 2 high and 2 low	4, 2 high and 2 low	4, 2 high and 2 low
Full blowbar weight	307 kg (677 lbs)	307 kg (677 lbs)	307 kg (677 lbs)
Crusher drive	Direct drive	WEG 160 kW (220 hp)	Direct drive
Feed size	600 x 500 x 500 mm lump (24" x 20" x 20")	600 x 500 x 500 mm lump (24" x 20" x 20")	600 x 500 x 500 mm lump (24" x 20" x 20")
Closed side setting adjustment	Hydraulic rams, shim system, spring tension	Hydraulic rams, shim system, spring tension	Hydraulic rams, shim system, spring tension
Starter	-	WEG soft start	-
HOPPER			
Dimensions LxW	4,175 x 2,342 mm (13' 8.3" x 8')	4,175 x 2,342 mm (13' 8.3" x 8')	4,775 x 2,150 mm (15' 8" x 7' 0")
Volume	5.8 m³ (7.6 yd³)	5.8 m³ (7.6 yd³)	3.8 m³ (5 yd³)
Material	15 mm Hardox side plates	15 mm Hardox side plates	TBC
Locking system	Hydraulic side locking wedges	Hydraulic side locking wedges	TBC
LONG PAN FEEDER			
Feeder WxL	1,064 x 4,047 mm (41.9" x 159.3")	1,064 x 4,047 mm (41.9" x 159.3")	1,060 x 4,250 mm (41.7" x 167.3")
Grizzly section opening	Tapered 35-75 mm (1.4"-3")	Tapered 35-75 mm (1.4"-3")	Tapered 30-50 mm or 45-65 mm
Grizzly section length	1,709 mm (67.2")	1,709 mm (67.2")	1,357 mm (53.4")
Drive	Hydraulic	Hydraulic	Hydraulic
Flow rate	63.5 L/min (16.8 US GPM)	63.5 L/min (16.8 US GPM)	Up to 70 L/min (18.5 US GPM)
MAIN CONVEYOR			
Stockpile height to belt crown	3,912 mm (12' 10")	3,619 mm (11' 10.4")	3,753 mm (12' 4")
Belt width	1,200 mm (48")	1,200 mm (48")	1,200 mm (48")
Flow rate	79.4 L/min (21 US GPM)	TBC	86.6 L/min (22.9 US GPM)
Maximum speed	123 rpm	100.3 rpm (50 Hz) 120.4 rpm (60 Hz)	135 rpm
SIDE CONVEYOR			
Stockpile height to belt crown	3,440 mm (11' 3.6")	3,440 mm (11' 3.6")	2,758 mm (9' 1")
Belt width	650 mm (26")	650 mm (26")	600 mm (24")
Flow rate	43.8 L/min (11.6 US GPM)	43.8 L/min (11.6 US GPM)	53.8 L/min (14.2 US GPM)
POWER UNIT & HYDRAULICS			
Engine option 1	Volvo D11 T4F/Stage V 270 kW (360 hp)	CAT C9.3B T4F/Stage V 310 kW (416 hp)	CAT C9.3 T4F/Stage V 280 kW (375 hp)
Engine option 2	CAT C9.3B T4F/Stage V 310 kW (416 hp)	CAT C9.3 LRC 310 kW (416 hp)	CAT C9.3 LRC 280 kW (375 hp)
Engine option 3	CAT C9.3 LRC, 310 kW (416 hp)	-	-
Engine speed	1,600 to 1,900 rpm	1,500 rpm (50 Hz) 1,800 rpm (60 Hz)	1,600 to 1,800 rpm
Generator	-	Leyroy Sommer LSA47.3 350 kVA	-
Hydraulic powerpack pump	-	Rexroth A10VO140	-
Hydraulic powerpack motor	-	WEG 55 kW (74 hp) 4 Pole (operates up to 90 kW max)	-
Flowrate maximum	-	210 L/min (50 Hz) 252 L/min (60 Hz)	-
Hydraulic tank capacity	675 L (178 US gal)	250 L (66 US gal)	500 L (132 US gal)
Hydraulic tank ratio	-	1.7 : 1	1.37 : 1
CAPACITIES			
Diesel tank capacity	535 L (141 US gal)	535 L (141 US gal)	470 L (124 US gal)
Hydraulic tank capacity	675 L (178 US gal)	250 L (66 US gal)	500 L (132 US gal)

See page 6 for additional recirculating model information including screenbox and additional conveyor specifications.

	I4R	I4ER	I4cR
1,150 x 800 mm (45.3" x 31.5")	1,150 x 800 mm (45.3" x 31.5")	1,150 x 800 mm (45.3" x 31.5")	1,150 x 800 mm (45.3" x 31.5")
1,050 x 1,125 mm (41.3" x 44.3")	1,050 x 1,125 mm (41.3" x 44.3")	1,050 x 1,125 mm (41.3" x 44.3")	1,050 x 1,125 mm (41.3" x 44.3")
600-675 rpm (33-37.1 m/s rotor tip speed)	600-675 rpm (33-37.1 m/s rotor tip speed)	600-675 rpm (33-37.1 m/s rotor tip speed)	600-675 rpm (33-37.1 m/s rotor tip speed)
1	1	1	1
4, 2 hgh and 2 Low	4, 2 High and 2 Low	4, 2 High and 2 Low	4, 2 High and 2 Low
307 kg (677 lbs)	307 kg (677 lbs)	307 kg (677 lbs)	307 kg (677 lbs)
Direct Drive	WEG 160 kW (220 hp)	Direct Drive	Direct Drive
600 x 500 x 500 mm lump (24" x 20" x 20")	600 x 500 x 500 mm lump (24" x 20" x 20")	600 x 500 x 500 mm lump (24" x 20" x 20")	600 x 500 x 500 mm lump (24" x 20" x 20")
Hydraulic rams, shim system, spring tension	Hydraulic rams, shim system, spring tension	Hydraulic rams, shim system, spring tension	Hydraulic rams, shim system, spring tension
-	WEG soft start	-	-
4,175 x 2,342 mm (13' 8.3" x 8')	4,175 x 2,342 mm (13' 8.3" x 8')	4,775 x 2,150 mm (15' 8" x 7' 0")	4,775 x 2,150 mm (15' 8" x 7' 0")
5.8 m³ (7.6 yd³)	5.8 m³ (7.6 yd³)	3.8 m³ (5 yd³)	3.8 m³ (5 yd³)
15 mm Hardox side plates	15 mm Hardox side plates	TBC	TBC
Hydraulic side locking wedges	Hydraulic side locking wedges	TBC	TBC
1,064 x 4,047 mm (41.9" x 159.3")	1,064 x 4,047 mm (41.9" x 159.3")	1,060 x 4,250 mm (41.7" x 167.3")	1,060 x 4,250 mm (41.7" x 167.3")
Tapered 35-75 mm (1.4"-3")	Tapered 35-75 mm (1.4"-3")	Tapered 30-50 mm or 45-65 mm	Tapered 30-50 mm or 45-65 mm
1,709 mm (67.2")	1,709 mm (67.2")	1,357 mm (53.4")	1,357 mm (53.4")
Hydraulic	Hydraulic	Hydraulic	Hydraulic
63.5 L/min (16.8 US GPM)	63.5 L/min (16.8 US GPM)	Up to 70 L/min (18.5 US GPM)	Up to 70 L/min (18.5 US GPM)
3,619 mm (11' 10.4")	3,619 mm (11' 10.4")	3,753 mm (12' 4")	3,753 mm (12' 4")
1,200 mm (48")	1,200 mm (48")	1,200 mm (48")	1,200 mm (48")
79.4 L/min (21 US GPM)	TBC	86.6 L/min (22.9 US GPM)	86.6 L/min (22.9 US GPM)
123 rpm	100.3 rpm (50 Hz) 120.4 rpm (60 Hz)	135 rpm	135 rpm
3,440 mm (11' 3.6")	3,440 mm (11' 3.6")	2,758 mm (9' 1")	2,758 mm (9' 1")
650 mm (26")	650 mm (26")	600 mm (24")	600 mm (24")
43.8 L/min (11.6 US GPM)	TBC	53.8 L/min (14.2 US GPM)	53.8 L/min (14.2 US GPM)
Volvo D11 T4F/Stage V 270 kW (360 hp)	CAT C9.3B T4F/Stage V 310 kW (416 hp)	CAT C9.3 LRC OR Tier 4/5 280 Kw (375 hp)	CAT C9.3 LRC OR Tier 4/5 280 Kw (375 hp)
CAT C9.3B T4F/Stage V 310 kW (416 hp)	CAT C9.3 LRC 310 kW (416 hp)	-	-
CAT C9.3 LRC, 310 kW (416 hp)	-	-	-
1,600 to 1,900 rpm	1,500 rpm (50 Hz) 1,800 rpm (60 Hz)	1,600 to 1,800 rpm	1,600 to 1,800 rpm
-	Leyroy Sommer LSA47.3 350 kVA	-	-
-	Rexroth A10VO140	-	-
-	WEG 55 kW (74 hp) 4 Pole (operates up to 90 kW max)	-	-
-	210 L/min (50 Hz) 252 L/min (60 Hz)	-	-
675 L (178 US gal)	250 L (66 US gal)	500 L (132 US gal)	500 L (132 US gal)
-	1.7 : 1	1.37 : 1	1.37 : 1
535 L (141 US gal)	535 L (141 US gal)	470 L (124 US gal)	470 L (124 US gal)
675 L (178 US gal)	250 L (66 US gal)	500 L (132 US gal)	500 L (132 US gal)

YOUR STRATEGIC PARTNER IN MATERIAL PROCESSING

RECIRCULATING MODEL ADDITIONAL SPECIFICATIONS

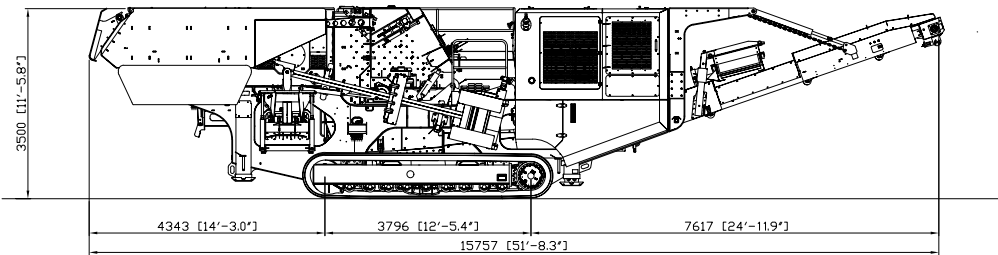
	I4R	I4ER	I4cR
FINES CONVEYOR			
Stockpile height	2,864 mm (9' 4.7")	2,864 mm (9' 4.7")	3,013 mm (9' 11")
Belt width	1,200 mm (48")	1,200 mm (48")	1,200 mm (48")
Flow rate	63.5 L/min (16.8 US GPM)	TBC	66.7 L/min (17.6 US GPM)
Maximum speed	98.8 rpm	100.3 rpm (50 Hz), 120.4 rpm (60 Hz)	131 rpm
SCREENBOX			
Dimensions - top deck	3,660 x 1,525 mm (12' x 5')	3,660 x 1,525 mm (12' x 5')	3660 mm x 1525 mm (12' x 5')
Dimensions - bottom deck	3,050 x 1,525 mm (10' x 5')	3,050 x 1,525 mm (10' x 5')	-
Screen media - top deck	1,525 x 1,220 mm (5' x 4') side tension - 2 off & 1,525 x 610 mm (5' x 2') side tension - 2 off	1,525 x 1,220 mm (5' x 4') side tension - 2 off & 1,525 x 610 mm (5' x 2') side tension - 2 off	1,525 x 1,220 mm (5' x 4') 3 off, side tension
Screen media - bottom deck	1,525 x 1,220 mm (5' x 4') side tension - 2 off & 1,525 x 610 mm (5' x 2') side tension - 1 off	1,525 x 1,220 mm (5' x 4') side tension - 2 off & 1,525 x 610 mm (5' x 2') side tension - 1 off	-
Tensioning - top & bottom decks	Quick release pin and wedge	Quick release pin and wedge	-
Screen angle	25 deg	25 deg	25 deg
Speed adjustable	Yes	Yes	Yes
Screen stroke adjustable	8 - 10 mm	8 - 10 mm	9 mm
Screen shaft speed	970 rpm	970 rpm	970 rpm
Screen 'g' force	5.05	5.05	5.05
TOP DECK TRANSFER CONVEYOR			
Belt width	650 mm (26")	650 mm (26")	600 mm (24")
Adjustable speed	Yes	-	Yes
Maximum speed	124.5 rpm	105 rpm	131 rpm
MIDDLE DECK CONVEYOR			
Stockpile height	1,871 mm (6' 1.6")	1,871 mm (6' 1.6")	-
Belt width	650 mm (26")	650 mm (26")	-
Adjustable speed	Yes	-	-
Maximum speed	124.5 rpm	105 rpm	-
RETURN CONVEYOR			
Belt width	650 mm (26")	650 mm (26")	500 mm (20")
Adjustable speed	Yes	-	Yes
Maximum speed	124.5 rpm	101 rpm	131 rpm
Radial angle	0 to 90 deg	0 to 90 deg	0 to 180 deg

TRANSPORT DIMENSIONS

I4 & I4E

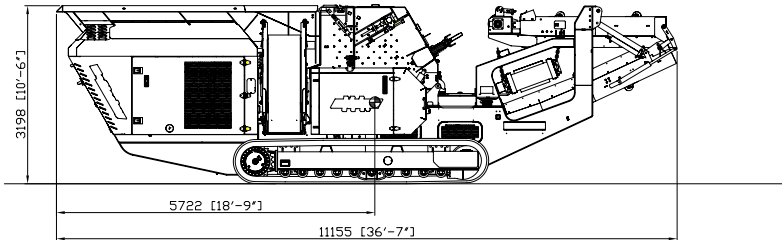
DIMENSIONS (LxWxH)
15.75 x 2.93 x 3.50 m (51' 8" x 9' 7" x 11' 5.8")
WEIGHT (APPROX)*
I4: 48,500 kg (106,900 lb) I4E: 53,000 kg (117,000 lb)

*Weight includes magnet and dirt conveyor



I4c

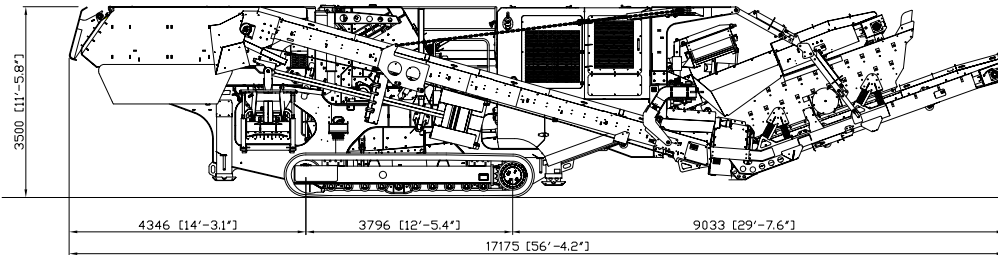
DIMENSIONS (LxWxH)
11.15 x 2.65 x 3.20 m (36' 7" x 8' 8" x 10' 6")
WEIGHT (APPROX)
34,300 kg (75,600 lb)



I4R & I4ER

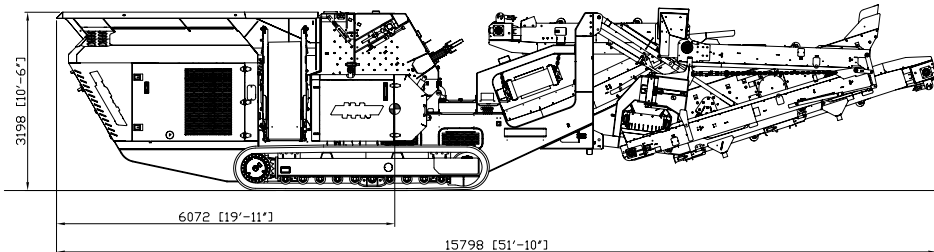
DIMENSIONS (LxWxH)
17.17 x 3.50 x 3.50 m (56' 4" x 11' 5.8" x 11' 5.8")
WEIGHT (APPROX)*
I4R: 56,000 kg (123,450 lb) I4ER: 60,500 kg (133,400 lb)

*Weight includes magnet and dirt conveyor



I4cR

DIMENSIONS (LxWxH)
15.79 x 3.00 x 3.20 m (51' 10" x 9' 10" x 10' 6")
WEIGHT (APPROX)
41,000 kg (90,400 lb)



“IT’S MOBILE AND COMPACT.
IT’S DEFINITELY OUTPERFORMING
PEOPLE’S EXPECTATIONS.”



I4 RANGE KEY FEATURES



1 HOPPER

Large impactor models feature hydraulic folding hoppers with liners and locking wedges, all ground-operated for seamless functionality.

2 LONG PAN FEEDERS

Steeper chute angles minimize material sticking, while heavy-duty construction improves wear resistance for consistent performance.

3 CRUSHING CHAMBER

A powerful four-bar impactor with a wide feed opening maximizes production efficiency and ensures effective material reduction.

4 MAIN CONVEYOR

A wide, high-capacity conveyor offers efficient material output, with hydraulic raise and lower functionality for seamless operation.

5 HYDRAULIC CONVEYORS

Hydraulic folding stockpiling conveyors optimize setup time and stockpile management, minimizing downtime.

★ MATERIAL FLOW PATH

A progressively widening design prevents narrowing, reduces wear, and eliminates material bridging for smooth operation.

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