

# UNIVERSAL NEW HOLLAND IMPACT CRUSHER (PRIMARY)



The Universal Primary New Holland Impact Crusher's unique "free-flow" design combines superior engineering with top quality, rugged construction. This crusher combines a large expansion crushing chamber, a massive fabricated rotor, upper deflector screen grate with vertical openings, upper and lower breaker bars; all adding up to precise product control with maximum output. The feed opening is equipped with a protective chain and rubber curtain to protect personnel and ancillary equipment. The Universal Primary Impact Crusher is the most versatile primary crusher available.

## ***Benefits:***

- High ratio of reduction
- Low percentage of flats and elongated particles
- More control over finished product size
- Fast flow of material through crusher
- Top quality cubical aggregate

## ***Standard Design Features:***

- Main housing, fabricated plate steel construction.
  - Breaking chamber, lined with replaceable highly abrasive resistant alloy steel.
  - Feed chute, hood with chain and rubber curtain.
  - Hydraulic feed plate.
  - Rotor, fabricated steel with manganese steel hammers.
  - Heat treated heavy-duty shaft mounted on spherical roller bearings.
  - Wear bar, positive adjustment release device with replaceable manganese steel head. (Except Model 74125.)
  - Deflector screen grate, abrasion and impact resistant steel.
  - Lower impact plate positive adjustment, release device/abrasion and impact resistant steel.
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## ***Optional Equipment Available:***

- Crusher sheave
  - Motor sheave
  - V-belts
  - Drive guard
  - Electric motor
  - Jib crane
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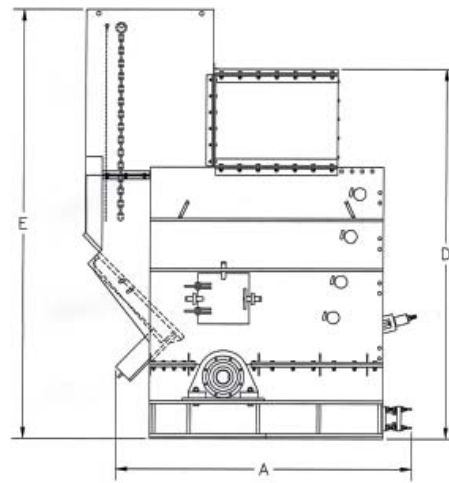
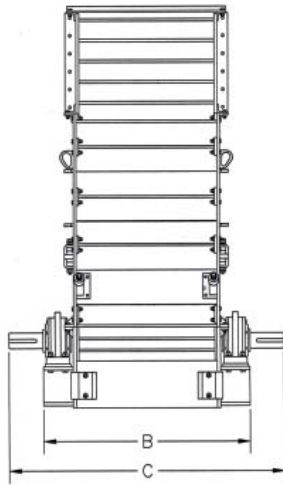


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## DIMENSIONS

IMPACT MODEL		3755	4555	5165	6185	74125
<b>A = Length at Base</b> (with lower grate adj. mech)	in	111.31	111.31	129.56	144.00	305.00
	mm	2,827.29	2,827.29	3,290.84	3,657.61	7,747.03
<b>B = Width at Housing</b> (with bearings)	in	60.00	72.50	71.75	93.00	120.00
	mm	1,524.01	1,841.51	1,822.46	2,362.21	3,048.01
<b>C = Width at Shaft</b>	in	87.75	100.00	100.00	124.00	163.00
	mm	2,228.86	2,540.01	2,540.01	3,149.61	4,140.22
<b>D = Height - Less Hood and Chain Curtain</b>	in	104.00	104.00	159.25	180.00	265.75
	mm	2,641.61	2,641.61	4,044.97	4,572.02	6,750.08
<b>E = Height - With Hood &amp; Chain Curtain</b>	in	131.00	150.00	182.75	209.00	277.00
	mm	3,327.41	3,810.02	4,641.87	5,308.62	7,035.83

## SPECIFICATIONS

<b>Feed Opening</b>		in	37 x 55	45 x 55	51 x 65	61 x 65	74 x 125
		mm	940 x 1,400	1,145 x 1,400	1,295 x 1,650	1,550 x 2,195	1,880 x 3,175
<b>Maximum Feed Size</b>		in	34	42	48	58	71
		mm	865	1,065	1,220	1,475	1,800
<b>Rated Capacity*</b>	STPH		400**	500**	750***	1,400***	2,000***
	MTPH		360**	450**	670***	1,250***	1,785***
<b>Discharge Opening</b>	in		38.25 x 73.25	46.25 x 73.25	53.25 x 87.13	63.25 x 103.75	78 x 158
	mm		972 x 1,861	1,175 x 1,861	1,353 x 2,213	1,607 x 2,635	1,981 x 4,013
<b>Rotor Size</b> (Diameter x Width)	in		43.5 x 36	43.5 x 44	46 x 50	51.75 x 60	72 x 72
	mm		1,105 x 915	1,105 x 1,120	1,170 x 1,270	1,315 x 1,525	1,830 x 1,830
<b>Crusher Weight*</b>	lb.		29,000	41,000	68,000	87,000	200,000
	kg		13,155	18,600	30,845	39,465	90,720
<b>Rotor Speed</b>		RPM	450 - 900	450 - 900	400 - 850	400 - 600	250 - 450
<b>Horsepower</b>		HP	250	350	450	600	1,000
<b>Standard Hammers:</b>	<b>Weight Rows Material</b>	lb(kg)	556(252)	687(312)	800(363)	1,000(454)	2,170(984)
			3 x 1 Manganese	3 x 1 Manganese	3 x 1 Manganese	3 x 1 Manganese	3 x 1 Manganese
<b>Side Liners Thickness</b>		in	0.75	0.75	1.75	1.75	2.00
		mm	19.05	19.05	44.45	44.45	50.80

\* Rated capacity is established with new or well maintained hammers. Capacity will be less with worn wear parts.

\*\* Of minus 3" (76mm) product.

\*\*\* Of minus 6" (152mm) product.

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