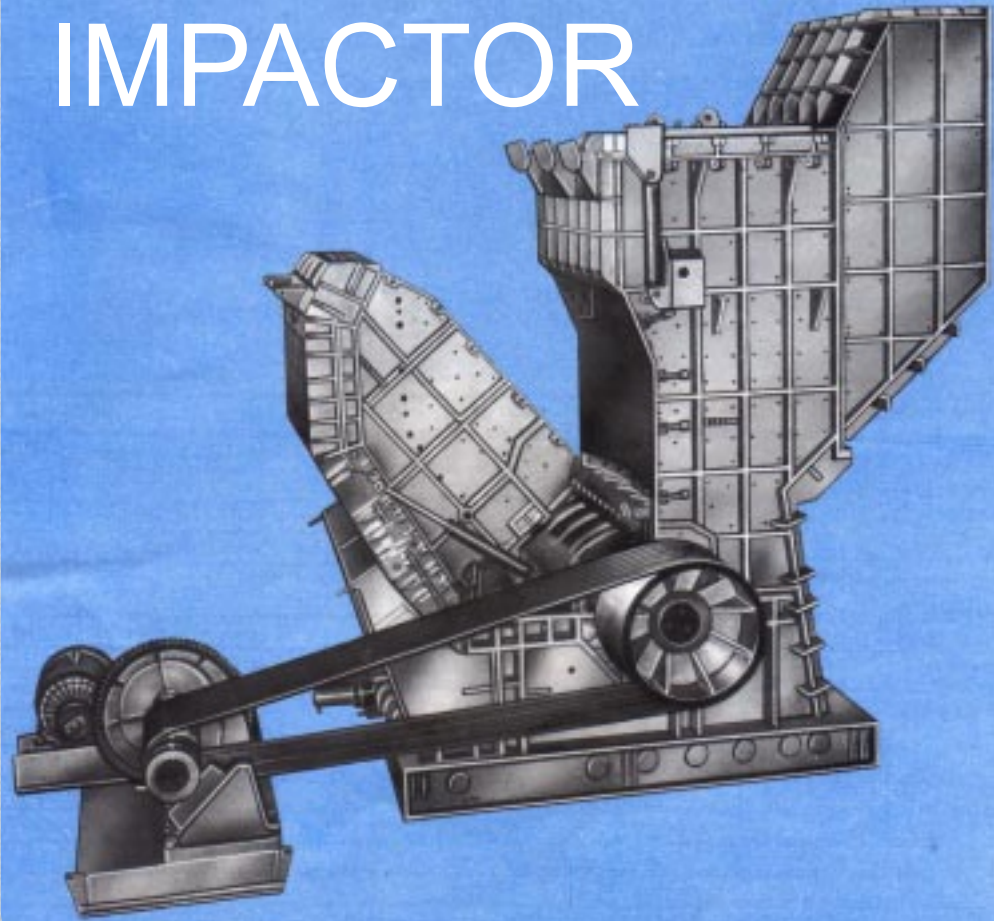


IMPACTOR



ELECON
GEARING THE FUTURE

MATERIAL HANDLING EQUIPMENT DIVISION

IMPACTOR

Elecon Impactors are heavy-duty high-capacity machines for crushing, hard and medium hard rocks and ores such as limestone, basalt, blast furnace slag, coal, etc. Capacity range from 50 TPH to 1000 TPH.

Some of the salient features of Elecon Impactors are :

- ▮ High throughput capacity
- ▮ Low energy consumption
- ▮ Reduced wear costs
- ▮ Maximum operating reliability
- ▮ Easy maintenance and serviceability.

Depending on the specific application, which is different from material crushed four different types of rotors are developed.

The efficiency of an Impact Crusher is essentially determined by the design and peripheral speed of the rotor. The number of Impact blades, their shape and metallurgy also play an important part.

HOUSING

Heavily ribbed fabricated housing with suitable hinged and inspection doors are provided for easy maintenance.

ROTOR

The rotor is provided with heavy-duty self-aligning radial roller bearings located in forged bearings housings and provided with double labyrinth seals.

Depending on the type of application, different types of rotor constructions such as X, XR1, E2 & EH are built. The Impact elements consisting of individual impact bars are inserted into the slotted recesses of the side liners inside the housing. The impeller bar of the rotor is held in the rotor by a simple locking device. The inclined front wall of the machine makes it possible to install

single wear plates which can be replaced depending on the wear.

The Impact element liners and grinding plates are chosen from special wear-resistant castings for long wear life.

SWING BEAM

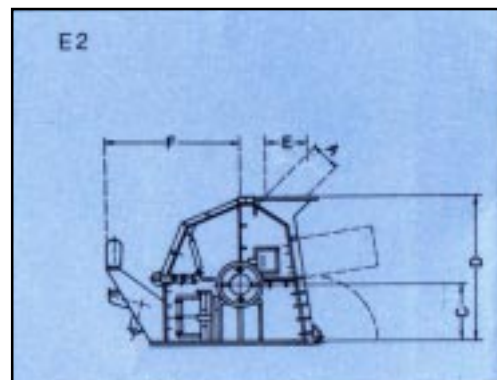
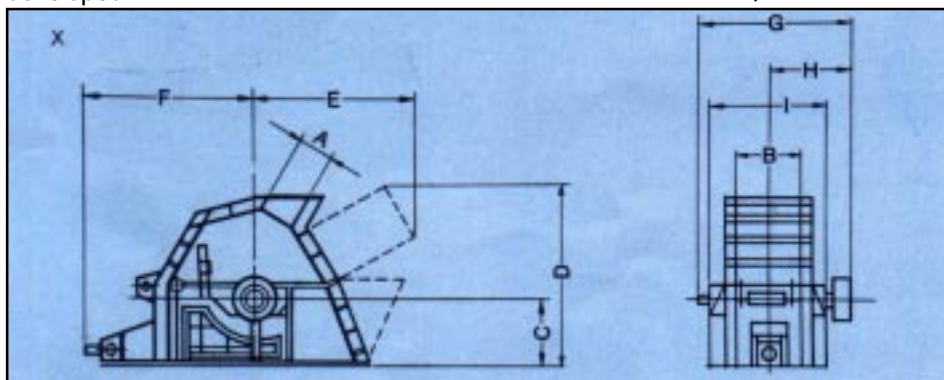
The grinding wall or the swing beam of heavy-duty machines can be adjusted hydraulically. The grinding wall reaches till below the last crushing element or blow bar.

SAFETY DEVICE

The hydraulic control system of the swing beam can also serve against overload and tramp iron.

DRIVE

The mill is driven with V belts by an electric motor.



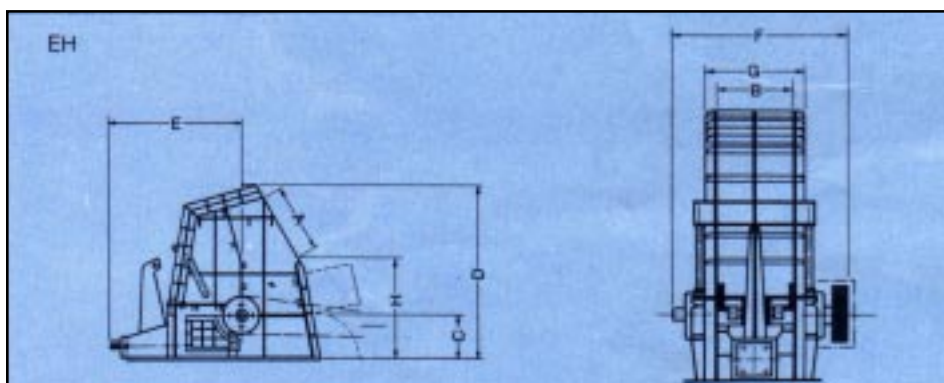
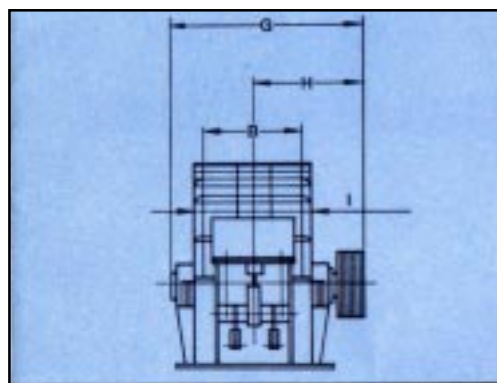
TYPE		8.4.2X	8.8.2X	8.4.3.X	8.8.3X
Weight of basic machine/kg app.		3380	6660	3850	7550
Throughput	Hard aggregate	50 t/h	90 t/h	40 t/h	80 t/h
	Limestone	50 t/h	90 t/h	40 t/h	80 t/h
Feed size max edge length	Hard aggregate	4-50 mm	4-50 mm	4-70 mm	4-70 mm
	Limestone	4-70 mm	4-70 mm	4-80 mm	4-80 mm
Drive capacity / kw		45-90	90-160	45-90	90-160
Reduction ratio		1:20-1:60	1:20-1:60	1:20-1:60	1:20-1:60
Inlet opening /mm :					
Dimensions in mm	A	185	185	195	195
	B	465	910	465	910
	C	555	530	555	530
	D	1440	1320	1440	1320
	E	1350	1350	1350	1350
	F	1405	1620	1405	1620
	G	1155	1712	1155	1712
	H	2270	2535	2270	2535
	I	945	1410	945	1410

Subject to change without notice

TYPE		10.6.4 E2	12.10.4 E2	12.10.4 E3	12.12.4 E	12.15.4 E
Weight of basic machine / kg app.		8300	13950	14250	20600	24200
Throughput	Hard aggregate	upto 50 t/h	upto 100 t/h	upto 100 t/h	upto 140 t/h	upto 180 t/h
	Limestone	upto 100 t/h	upto 160 t/h	upto 160 t/h	upto 210 t/h	upto 280 t/h
Feed size max.	Hard aggregate	upto 180 mm	upto 300 mm	upto 350 mm	upto 350 mm	upto 350 mm
	Limestone	upto 300 mm	upto 400 mm	upto 450 mm	upto 450 mm	upto 450 mm
edge length						
Drive capacity / kw		75-110	110-160	110-160	160-250	250-320
Reduction ratio		1:20-50	1:20-50	1:20-50	1:20-50	1:20-50
Inlet opening / mm :						
Dimensions in mm	A	350	430	430	430	500
	B	620	1010	1010	1240	1510
	C	685	890	890	890	890
	D	1765	2160	2160	2160	2160
	E	490	650	650	650	720
	F	1600	1915	2245	2245	2240
	G	1460	1990	1999	2199	2880
	H	805	1124	1124	1420	1728
	I	870	1260	1260	1490	1760

Upto 160 kw

Subject of change without notice



TYPE		10.6.4 EH	12.10.4 EH	12.12.4 EH	13.15.4 F	16.20.4 F
Weight basic machine / kg app.		9400	16500	24720	35500	70900
Throughput	Hard aggregate	upto 70 t/h	upto 120 t/h	upto 150 t/h	upto 250 t/h	-
	Limestone	upto 100 t/h	upto 180 t/h	upto 220 t/h	upto 450 t/h	upto 600 t/h
Feed size max.	Hard aggregate	upto 200 mm	upto 300 mm	upto 400 mm	upto 400 mm	-
	Limestone	upto 400 mm	upto 500 mm	upto 600 mm	upto 1000 mm	upto 1500 mm
edge length						
Drive capacity / kw		75-132	132-200	160-250	320-510	800
Reduction ratio		upto 1:20	upto 1:20	upto 1:20	upto 1:20	upto 1:20
Inlet opening / mm :						
Dimensions in mm	A	650	800	800	1100	1500
	B	620	1010	1240	1510	2010
	C	685	890	890	1250	1490
	D	2305	2755	2755	3490	5078
	E	2200	2245	2245	2595	-
	F	1460	1990	2199	2880	3340
	G	870	1260	1490	1800	2350
	H	1540	1985	1985	1960	2803

Upto 160 kw

Subject of change without notice

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