



INDECO

YOUR PARTNERS IN DEMOLITION

**IHC & IHC R
compactors**

the Indeco IHC & IHC R compactors

The new line of Indeco compactors has been created to combine high compaction with fast turnaround times. Compactors efficiently replace traditional hand-held equipment, thus reducing accident risk. In slope applications, these machines eliminate self-propelled rollers and the risk of rollover.

Compaction is achieved by applying both the dynamic forces of a hydraulically-driven vibration system and the static weight of an excavator or backhoe boom to a thick steel baseplate.

Of course, the dynamic forces have to be powerful enough to vibrate the steel baseplate. To enable this to happen, Indeco compactors (mounted straight onto the carrier boom) are hydraulically driven with an oil-bath bearing system.

This hydraulic system gives a balanced design of compaction force and vibration speed, so as to achieve the depth penetration needed to reduce air voids and move more material faster.

Technical features

Robust, versatile and highly productive, IHC compactors have a number of special features created by the technology researchers at Indeco.

1 The system uses oil-bath bearings, ensuring maximum reliability, low maintenance costs and high performance, even on the toughest of jobs.

2 The rubber shock-absorber system is designed to direct the whole force down into the material to be compacted, thus isolating vibrations from the carrier and the operator.

3 Thick steel baseplates mean no flexing or other distortions that could affect the machine's reliability

4 The hydraulic system balances force and speed to ensure that the eccentric weights can achieve depth penetration and reduce air voids.

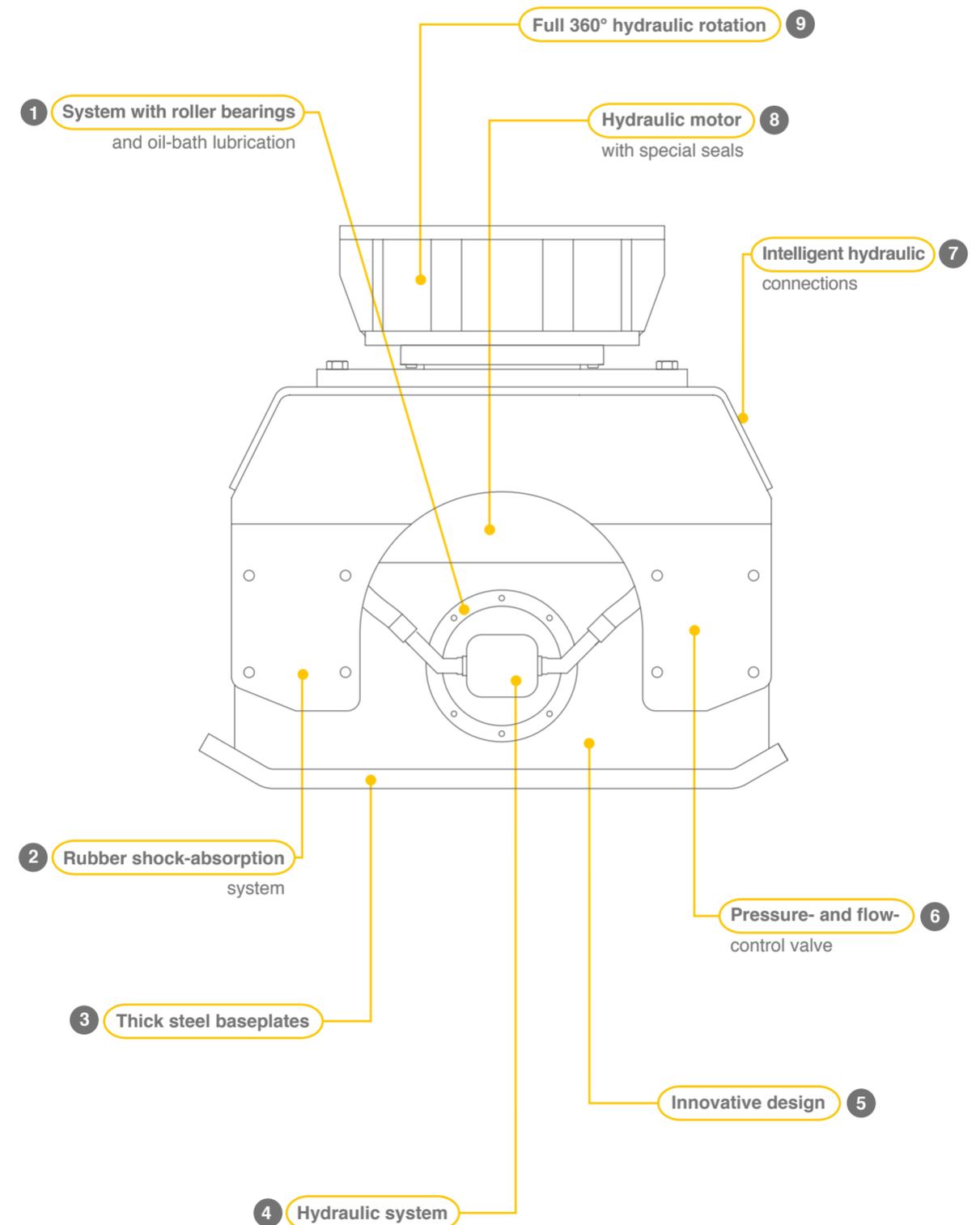
5 The compactor has been specially designed to work up close to trench walls, foundations, guard rails and other obstacles, along the whole width and length of the job.

6 The pressure- and flow-control valve provides safer quicker installation, ensuring that incorrect set-ups cannot affect the long-term reliability of the compactor

7 The hydraulic connections are located in a practical and functional area in the rear of the compactor. They run parallel with the carrier hoses, which protects them from accidental breakage, especially in deep narrow pipe trenches.

8 The hydraulic motor, with its special high-pressure seals, can withstand backpressure without the need for a case drain.

9 Full 360° hydraulic rotation optimizes the position of the vibratory plate under any working conditions, moving more material faster.





Technical data	IHC 50	IHC 70	IHC 75
Excavator weight	1,7 ÷ 6,4 tons	3,5 ÷ 12 tons	4 ÷ 13 tons
Equipment weight	177 Kg	360 Kg	400 Kg
Height	56 cm	60 cm	60 cm
Baseplate size	46 x 76 cm	46 x 84 cm	64 x 87 cm
Centrifugal force	2600 Kgf 24,5 KN	3600 Kgf 35,3 KN	3600 Kgf 35,3 KN
Force applied to ground	1,45 Kg/cm ² 14,2 N/cm ²	1 Kg/cm ² 9,8 N/cm ²	0,9 Kg/cm ² 9,1 N/cm ²
Oil flow to motor	45 ÷ 70 l/min	75 l/min	75 l/min
Maximum working pressure	200 bars	200 bars	200 bars
Compatibility of attachment plate with breaker mounting bracket	HP 200 - HP 350	HP 500 ÷ HP 900	HP 500 ÷ HP 900



Technical data	IHC 150	IHC 250
Excavator weight	7,5 ÷ 22 tons	18 ÷ 45 tons
Equipment weight	800 Kg	1000 Kg
Height	79 cm	80 cm
Baseplate size	71 x 120 cm	90 x 122 cm
Centrifugal force	7400 Kgf 72,6 KN	16100 Kgf 158 KN
Force applied to ground	1,3 Kg/cm ² 12,5 N/cm ²	2,1 Kg/cm ² 20,6 N/cm ²
Oil flow to motor	120 l/min	190 ÷ 265 l/min
Maximum working pressure	200 bars	200 bars
Compatibility of attachment plate with breaker mounting bracket	HP 1500 - HP 1800	HP 3000 ÷ HP 4000

compatibility

Recommended for use on machines with an overall weight (tons):



Recommended for use on machines with an overall weight (tons):





Technical data	IHC R 50	IHC R 70	IHC R 75
Excavator weight	2,7 ÷ 7,5 tons	4 ÷ 13 tons	4,2 ÷ 13 tons
Equipment weight	340 Kg	545 Kg	585 Kg
Height	88 cm	93 cm	93 cm
Baseplate size	46 x 76 cm	46 x 84 cm	64 x 87 cm
Centrifugal force	2600 Kgf 24,5 KN	3600 Kgf 35,3 KN	3600 Kgf 35,3 KN
Force applied to ground	1,45 Kg/cm ² 14,2 N/cm ²	1 Kg/cm ² 9,8 N/cm ²	0,9 Kg/cm ² 9,1 N/cm ²
Oil flow to motor	45 ÷ 70 l/min	75 l/min	75 l/min
Maximum working pressure	200 bars	200 bars	200 bars
Oil flow for rotation	10 l/min	10 l/min	10 l/min
Pressure regulated for rotation	90 bars	90 bars	90 bars
Compatibility of attachment plate with breaker mounting bracket	HP 200 - HP 350	HP 500 ÷ HP 900	HP 500 ÷ HP 900

Technical data	IHC R 150	IHC R 250
Excavator weight	7,5 ÷ 22 tons	18 ÷ 45 tons
Equipment weight	985 Kg	1320 Kg
Height	108,6 cm	110,6 cm
Baseplate size	71 x 120 cm	90 x 122 cm
Centrifugal force	7400 Kgf 72,6 KN	16100 Kgf 158 KN
Force applied to ground	1,3 Kg/cm ² 12,5 N/cm ²	2,1 Kg/cm ² 20,6 N/cm ²
Oil flow to motor	120 l/min	190 ÷ 265 l/min
Maximum working pressure	200 bars	200 bars
Oil flow for rotation	10 l/min	10 l/min
Pressure regulated for rotation	90 bars	90 bars
Compatibility of attachment plate with breaker mounting bracket	HP 1500 - HP 1800	HP 3000 ÷ HP 4000

compatibility

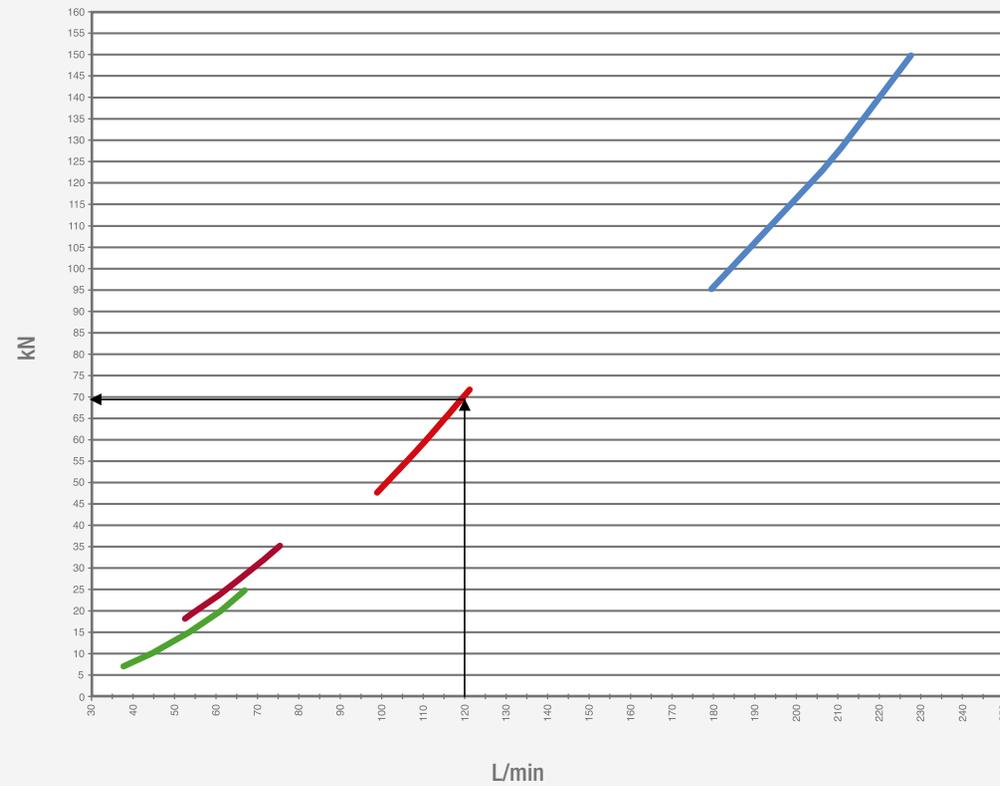
Recommended for use on machines with an overall weight (tons):



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performance curves



Example on an IHC/IHC R 150: a flow rate of 120 L/min corresponds to a centrifugal force of 69 kN.

— IHC/IHC R 50 — IHC/IHC R 70/75 — IHC/IHC R 150 — IHC/IHC R 250

applications

Indeco's fixed or rotating IHC Series hydraulic compactors offer superior efficiency and versatility compared with other products on the market. Being fitted with the same mounting bracket as other Indeco hydraulic equipment makes it easy to switch from one tool to another at the jobsite. Using just the carrier's hydraulic circuit, IHC plate compactors are ideal for compacting backfill for trenches, as well as embankments or other steep slope applications, around foundations or close to other obstacles. Perfect for working on grainy, cohesive and semi-cohesive soils, optional adapters on the vibratory plate turn them into highly efficient pile-driving tools. Indeco's rotating compaction plate,

the IHC R, makes it much easier to position the excavator at the right angle to the working surface, especially for jobs in narrow pipe trenches and confined areas, where the compaction plate needs to reach into difficult corners or skirt round manholes and other obstacles.



accessories

Backfill blade
A useful optional, mounted on the compactor, for smooth and levelling the earth to be compacted, without needing to switch from compactor to bucket.



The full range of Indeco complementary demolition products

Products	Weight		Products	Weight	
IFP 400	550	kg	IHC R 50	340	kg
IFP 1000	1700	kg	IHC R 70	545	kg
IFP 1250	2500	kg	IHC R 75	585	kg
IFP 1350	3300	kg	IHC R 150	985	kg
IRP 500	900	kg	IHC R 250	1320	kg
IRP 750	1300	kg	IDG 300	300	kg
IRP 850	1750	kg	IDG 500	500	kg
IRP 1000	2400	kg	IDG 1000	1000	kg
IRP 1250	3400	kg	IDG 1500	1500	kg
MULTI* 750	1600	kg	IDG 2000	2000	kg
MULTI* 850	2050	kg	IDG 2500	2500	kg
MULTI* 1000	4000	kg	ISS** 10/20	2400	kg
IHC 50	177	kg	ISS** 20/30	3650	kg
IHC 70	360	kg	ISS** 25/40	4800	kg
IHC 75	400	kg	ISS** 30/50	6100	kg
IHC 150	800	kg	ISS** 35/60	7800	kg
IHC 250	1000	kg	ISS** 45/90	10400	kg

*in crusher configuration

**in stick configuration

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