Compactors

IHC - Fixed
IHC R - Rotating

INDECO

A TOOL FOR EVERY JOB

Application areas

			IHC	IHC R
Earth Moving and Construction	**Earth moving works**	• Trenching		
		• Ground excavation		
		• Floor leveling	○	○
		• Soil compaction	○	○
		• Trench compaction	○	○
		• Loading soil or bulk material		
	Foundation works	• Building foundation excavation		
		• Ground leveling		
	Building construction	• Foundation pile driving	○	○
		• Compaction around pillars	○	○
Infrastructures	**Tunnelling**	• Tunnel excavation		
		• Roof, face & rib scaling		
	Underwater application	• Dredging		
		• Dock deepening & extension		
		• Canal deepening & extension		
		• Loading soil or bulk material		
		• Handling rock or breakwaters		
	Trenching	• Oil & gas, water & sewage (deep trenching)		
		• Trenching		
		• Trench soil compaction	○	○
	Road construction	• Pile driving and guard rail driving	○	○
		• Asphalt repair	○	○
		• Maintenance work (driveways, sidewalks and parking lots)	○	○
		• Block paving	○	○
Agriculture and Forestry	**Gardening & landscaping**	• Fencing	○	○
		• Ground excavation		
		• Rock breaking		
		• Pit planting	○	○
		• Stump splitting		
		• Golf course maintenance		
		• Root and stump grinding		
		• Hedgerow clearance and rejuvenation		
		• Grinding of logging residues		
	Forestry	• Timber log handling		
		• Maintenance of green area, small trees and brush		
		• Creation and upkeep of woodland corridors and firebreaks		
		• Tree clearing		
		• Vegetation clearing		
		• Branch clearing		

IHC| Fixed compactors IHC R| Rotating compactors

Features
of Indeco compactors

Indeco IHC compactors combine high compaction with fast turnaround times. They are a very efficient replacement both for traditional risky and tiring manual equipment and for self-propelled rollers, which are at great risk of rollover during slope applications.

Compaction is achieved by applying both the dynamic force of a hydraulically-driven vibration system and the static weight of the carrier boom to the thick steel baseplate of the compactor.

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, which 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.

Indeco's fixed or rotating IHC 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, they are ideal for compacting backfill for trenches, as well as embankments or other steep slope applications, around foundations or close to other obstacles.

IHC compactors are also perfect for working on grainy, cohesive and semi-cohesive soils with optional adapters on the vibratory plate turning 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.

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

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

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

The thick chassis and baseplates **|3|** are made from extra-strength steel alloys which means no flexing or other buckling that could affect performance.

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

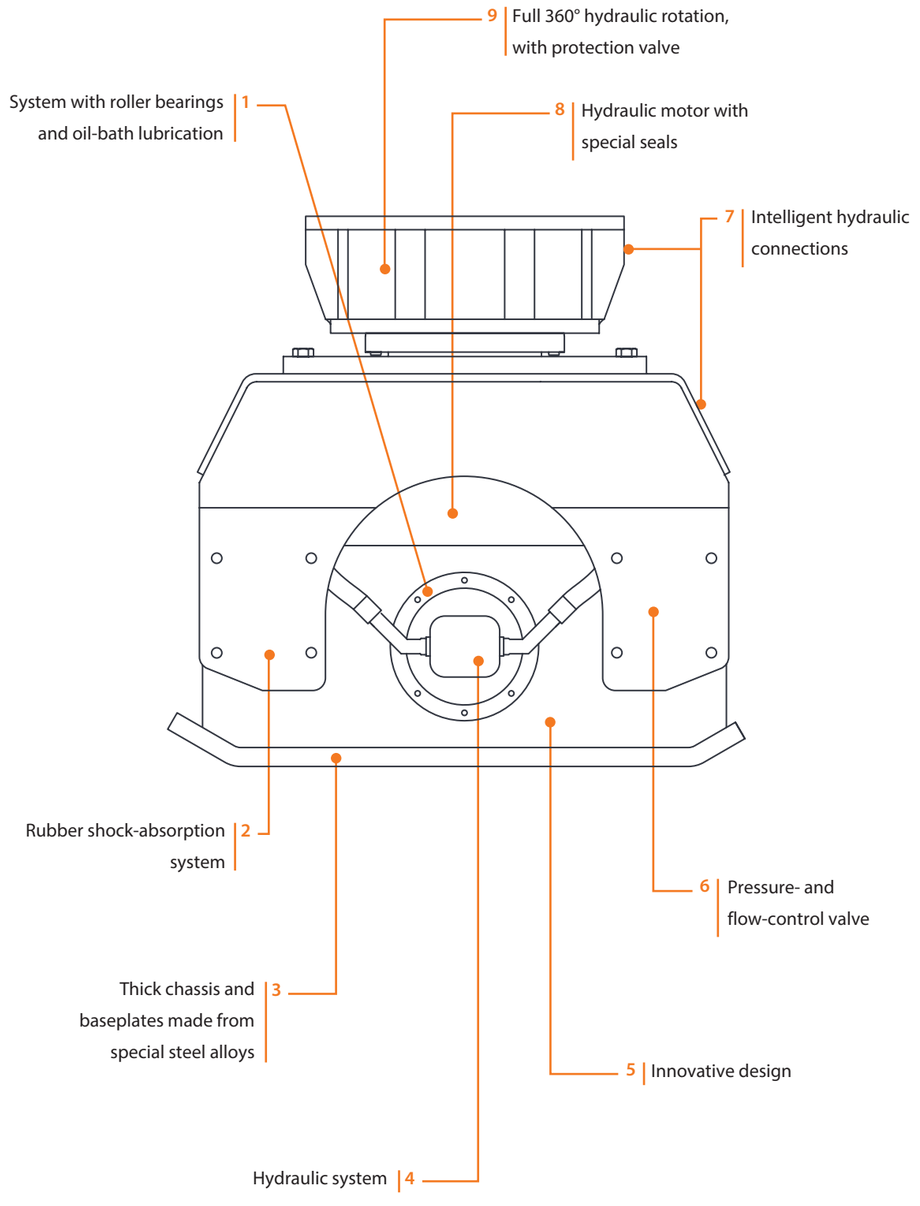
The compactor has been specially designed **|5|** to work up close to trench walls, foundations, guard rails and other obstacles, along the whole width and length of the job.

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

The hydraulic connections **|7|** 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.

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

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



Technical Data	IHC 50	IHC 70	IHC 75
Type of carrier	1 3	1 3	1 3
Excavator weight	3800 ÷ 17600 lbs	7700 ÷ 28600 lbs	8800 ÷ 30800 lbs
Equipment weight*	450 lbs	1000 lbs	1100 lbs
Height	22 in	23.5 in	23.5 in
Baseplate size	12 x 30 in	18 x 33 in	25 x 34 in
Centrifugal force	6600 lbs	8800 lbs	8800 lbs
Compacting force	24.2 psi	15.7 psi	15.7 psi
Frequency	2000 - 3000 rpm 33 - 50 hz	2000 rpm 33 hz	2000 rpm 33 hz
Oil flow to motor	12 ÷ 18 gpm	20 gpm	20 gpm
Maximum working pressure adjusted to the excavator	3450 psi	2850 psi	2850 psi
Maximum backpressure	100 psi	300 psi	300 psi
Compatibility of attachment plate with mounting bracket	HP 550	HP 1250	HP 1250

*The operating weight of the equipment includes mounting bracket compatible with Indeco construction standards. Any differences in weight may be due to a different mounting bracket configuration.

Technical Data	IHC 150	IHC 250
Type of carrier	4 5	4 5
Excavator weight	17600 ÷ 48400 lbs	33000 ÷ 99000 lbs
Equipment weight*	2150 lbs	2850 lbs
Height	31.5 in	31.5 in
Baseplate size	28 x 47 in	35 x 48 in
Centrifugal force	22000 lbs	37400 lbs
Compacting force	25.6 psi	31.3 psi
Frequency	2000 rpm 33 hz	1800 - 2200 rpm 30 - 37 hz
Oil flow to motor	32 gpm	50 ÷ 70 gpm
Maximum working pressure adjusted to the excavator	2850 psi	2450 psi
Maximum backpressure	300 psi	100 psi
Compatibility of attachment plate with mounting bracket	HP 1800 HP 2000	HP 3000 - HP 4000 HP 5000 ÷ HP 7500

N.B. All illustrations and numerical data in this catalog are purely indicative and subject to change at our discretion and without notice. We therefore reserve the right to modify them with a view to improving and continuously developing our product.

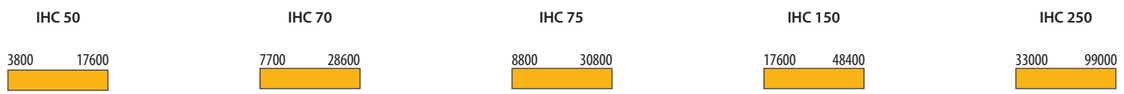
Carrier key

Compact excavator | Miniloader | Backhoe loader | Wheeled excavator | Tracked excavator

Compatibility

Suggested uses on machines with an overall weight (in lbs):

Best



Technical Data	IHC R 50	IHC R 70	IHC R 75
Type of carrier	1 3	1 3 4	1 3 4
Excavator weight	7700 ÷ 28600 lbs	14300 ÷ 35200 lbs	15400 ÷ 35200 lbs
Equipment weight*	950 lbs	1400 lbs	1500 lbs
Height	34.7 in	36.7 in	36.7 in
Baseplate size	12 x 30 in	18 x 33 in	25 x 34 in
Centrifugal force	6600 lbs	8800 lbs	8800 lbs
Compacting force	24.2 psi	15.7 psi	15.7 psi
Frequency	2000 - 3000 rpm 33 - 50 hz	2000 rpm 33 hz	2000 rpm 33 hz
Oil flow to motor	12 ÷ 18 gpm	20 gpm	20 gpm
Maximum working pressure adjusted to the excavator	3450 psi	2850 psi	2850 psi
Maximum backpressure	100 psi	300 psi	300 psi
Oil delivery for rotation	3 gpm	3 gpm	3 gpm
Pressure regulated for rotation	1300 psi	1300 psi	1300 psi
Compatibility of attachment plate with mounting bracket	HP 1250	HP 1250	HP 1250

*The operating weight of the equipment includes mounting bracket compatible with Indeco construction standards. Any differences in weight may be due to a different mounting bracket configuration.

Technical Data	IHC R 150	IHC R 250
Type of carrier	4 5	4 5
Excavator weight	33000 ÷ 55000 lbs	35200 ÷ 99000 lbs
Equipment weight*	2650 lbs	3350 lbs
Height	42.6 in	43.4 in
Baseplate size	28 x 47 in	35 x 48 in
Centrifugal force	22000 lbs	37400 lbs
Compacting force	25.6 psi	31.3 psi
Frequency	2000 rpm 33 hz	1800 - 2200 rpm 30 - 37 hz
Oil flow to motor	32 gpm	50 ÷ 70 gpm
Maximum working pressure adjusted to the excavator	2850 psi	2450 psi
Maximum backpressure	300 psi	100 psi
Oil delivery for rotation	3 gpm	3 gpm
Pressure regulated for rotation	1300 psi	1300 psi
Compatibility of attachment plate with mounting bracket	HP 3000 HP 4000	HP 3000 HP 4000

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Compatibility

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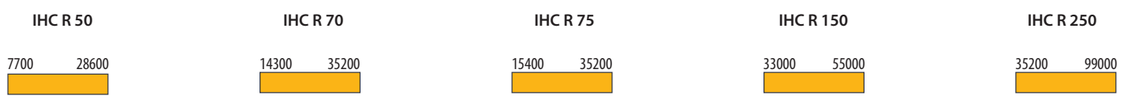
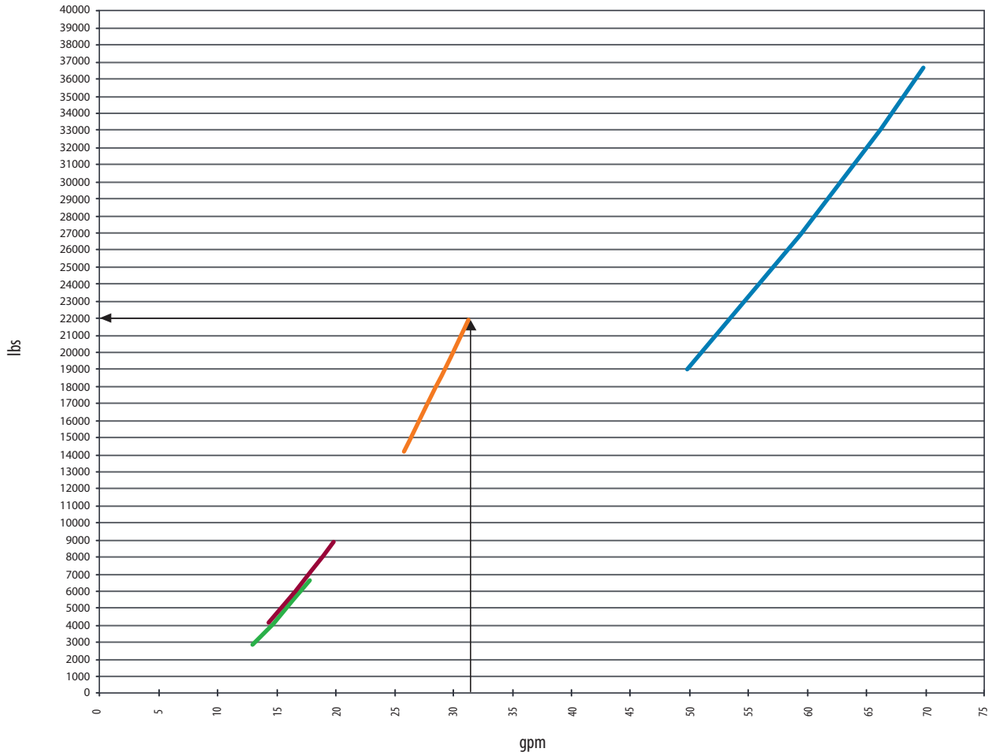


Performance curves



Example on an IHC/IHC R 150: a flow rate of 32 gpm corresponds to a centrifugal force of 22000 lbs

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

Accessories

Backfill blade

A useful option, mounted on the compactor, for smoothing and levelling the earth to be compacted, without needing to switch from compactor to bucket.

The full range of other Indeco products

Products		Weight
IFP	8 X	1650 lbs
IFP	13 X	2900 lbs
IFP	19 X	4000 lbs
IFP	28 X	6200 lbs
IFP	35 X	7600 lbs
IFP	45 X	10050 lbs
IRP	5 X	1300 lbs
IRP	11 X	2550 lbs
IRP	18 X	3750 lbs
IRP	23 X	5100 lbs
IRP	29 X	6500 lbs
IRP	36 X	7950 lbs
IRP	45 X	9900 lbs
IMP*	15	3300 lbs
IMP*	20	4600 lbs
IMP*	25	5300 lbs
IMP*	35	7700 lbs
IMP*	45	9900 lbs

Products		Weight
IHC	50	450 lbs
IHC	70	1000 lbs
IHC	75	1100 lbs
IHC	150	2150 lbs
IHC	250	2850 lbs
IHC R	50	950 lbs
IHC R	70	1400 lbs
IHC R	75	1500 lbs
IHC R	150	2650 lbs
IHC R	250	3350 lbs
IMG S**	400	850 lbs
IMG S**	600	1300 lbs
IMG S**	1200	2550 lbs
IMG S**	1700	3550 lbs
IMG S**	2300	4800 lbs
IMG S**	2800	5850 lbs
ISS***	5/7	1250 lbs
ISS***	8/13	2750 lbs

Products		Weight
ISS***	10/20	5280 lbs
ISS***	20/30	8030 lbs
ISS***	25/40	10560 lbs
ISS***	30/50	13420 lbs
ISS***	35/60	16720 lbs
ISS***	45/90	22880 lbs
IMH	3	650 lbs
IMH	5	1180 lbs
IMH	6	1220 lbs
IMH	8	1310 lbs
IMH	10	1620 lbs
IMH	14	2310 lbs
IMH	20	3300 lbs
IMH	28	3400 lbs
IMH	4.2 SS	3090 lbs
IMH	SG16	1850 lbs
IMH	SG20	1850 lbs

*Crusher configuration - **Sorter configuration - ***Third-member configuration

Indeco North America
135 Research Drive
Milford CT, 06460
ph. (203) 713-1030 - fax (203) 713-1040
www.indeco-breakers.com

USA

CaruccieChiurazzi
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