



# PVE RAPID IMPACT COMPACTION RIGS PRODUCT RANGE

**DIESEKO GROUP**



**PILING & VIBRO EQUIPMENT**

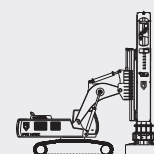
## PRODUCT RANGE RIC



## MAIN ADVANTAGES OF PVE RIC RIGS

- PVE RIC rigs can be equipped with reliable PVE NL series impact hammers
- Easy exchange of versatile PVE impact hammer from RIC rig to piling rig
- PVE RIC rigs are equipped with MeasureStrike monitoring system
- Unique in-situ compaction test monitoring system measuring improved soil parameters is optional
- PVE RIC rigs are available with GPS positioning system

## SPECIFICATIONS RAPID IMPACT COMPACTION RIGS



		PVE 7 RIC	PVE 9 RIC	PVE 12 RIC	PVE 16 RIC
<b>PVE impact hammers</b>					
Max. potential energy	kNm	101	127	212	282
Max. transferable energy	kNm	84	106	177	235
Blowrate at max. stroke	mtm	40	40	30	30
Max. stroke	mm	1200	1200	1500	1500
Min. stroke	mm	100	100	200	200
Ram weight	ton	7	9	12	16
Total net hammer weight	ton	10.8	13.9	18.9	24.6
Length indication	mm	6500	6870	7200	8200
Max. operation pressure	bar	185	235	170	230
Max required oil flow	l/m	390	390	650	650
<b>Basic Machine</b>					
Diesel engine		CAT C9.3 ACERT™		CAT C13 ACERT™	
Engine output	kW/HP	240 / 322		322 / 432	
Maximum net weight basic machine	kg	40 100		52 500	
Maximum oil flow main system	ltr/min	570		770	
Maximum working pressure	kPa	380000		380000	
Swing speed	rpm	8.9		8.7	
Fuel tank capacity	ltr	620		720	
Type of undercarriage		Caterpillar		Caterpillar	

## UNIQUE PRODUCT FEATURES

The PVE RIC rigs are equipped with the PVE NL Series hydraulic impact hammers and MeasureStrike system. The NL series type hammers are accelerated, sound insulated and guarantee the highest quality. The PVE hammers are made in our own factory in the Netherlands. The impact hammers are versatile in use, easy to maintain and light in weight. Other features of the PVE RIC rigs are:

- Smart designed connection between mono boom and multipurpose PVE hammer
- Wide range of compaction feet from Ø 1000 mm up to Ø 3000 mm
- Shock-resistant electronic connectors & HQ electronic cable
- Base machine driving hydraulic impact hammer without separate power pack
- Possibility for additional accessories such as special type of compaction feet
- Easy mobilization and demobilization of complete base machine including impact hammer.





# PVE RAPID IMPACT COMPACTION RIGS

Recently PVE introduced a new range of Rapid Impact Compaction (RIC) rigs. PVE supplies rigs for RIC with a maximum compaction depth of approximately 10 meters.

The PVE Rapid Impact Compaction rigs are specially designed for ground improvement. Rapid Impact Compaction ground improvement technique can be applied for final treatment of the upper strata. In general the RIC technique increases soil stiffness and creates uniform soil bearing capacities. Because of these characteristics RIC is suitable for surface consolidation, foundations support and liquefaction mitigation.

The PVE range of RIC rigs are hydraulic powered compaction machines with a strong boom, easy self-erecting boom connection with PVE impact hammer and are equipped with the best available components.



URBAN



RURAL



HARBOR



INDUSTRIAL



OFFSHORE



Established in 1974, Dieseko Group represents several brands in the foundation equipment industry, in four product lines: Piling Equipment, Piling & Drilling Rigs, Ground Improvement and Power packs. In our markets the company is represented by three brands: PVE Piling & Vibro Equipment, ICE International Construction Equipment and Woltman Piling & Drilling Rigs.

Dieseko Group engineers develop foundation equipment in accordance with the latest regulations. The experienced engineers in the sales and rental department have a profound knowledge of the equipment and are always standby to advise clients on their specific needs. Spare parts are in stock for all machines, which can be shipped quickly to dealers and clients worldwide, to avoid downtime on projects. Service engineers are available 24/7 to support clients on site. With over 60 dealers and branches worldwide, Dieseko Group is a reliable partner for all foundation contractors for consultancy, sales, rental and financing.

## DIESEKO GROUP PILING EQUIPMENT



**VIBRATING**



**PRESSING**



**RESONATING**



**PILE DRIVING**



**DRILLING**



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