



CUSTOMIZED HYDRAULIC POWER PACKS PRODUCT RANGE

DIESEKO GROUP

ICE
INTERNATIONAL CONSTRUCTION EQUIPMENT

FOUNDATION EQUIPMENT FROM **DIESEKO GROUP**

The Dieseko Group, which was established in 1974, is a manufacturer of a wide range of products for the foundation industry. The range is divided into five product lines: vibratory hammers and impact hammers, piling and drilling rigs, soil improvement equipment, dredging equipment and hydraulic power units.

Dieseko Group is owner of the brands PVE Piling & Vibro Equipment, ICE International Construction Equipment and Woltman Piling & Drilling Rigs. Dieseko Group also supplies Bell Dredging equipment.

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 standing by 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 consultation, sales, rental and financing.



CUSTOMIZED HYDRAULIC POWER PACKS

Building power packs was historically the first activity of Dieseko Group. Next to perfectly matched sets existing of power pack and vibratory hammer, power packs are being developed for a lot of other applications.



URBAN



RURAL



HARBOR



INDUSTRIAL



OFFSHORE



CUSTOMIZED HYDRAULIC POWER PACKS



VERSATILE USE

Dieseko Group is perfectly at home with hydraulic drives, when it comes to chain hoists, recovery winches, hose reels, grippers, submersible pumps, dredger pumps, drilling rigs, cranes, offshore installations, vibratory hammers, impact hammers and a lot more.

ROBUST AND CERTIFIED

Dieseko Group offers the very highest quality as standard. After delivering thousands of power packs, Dieseko Group is perfectly placed to know how high-quality and robust power packs should be built. Advice and development take place on the back of specialised hydraulics and construction-related know-how. Emission norms are a major consideration during development activities and only the best components are used during construction. Dieseko Group power packs feature an open hydraulic system as standard.

The CE norm is accompanied by strict safety and noise-related requirements, which are, of course, met by all Dieseko Group power packs. DNV certification is implemented in the offshore industry for e.g. hoisting points. An in-house testing area allows extreme conditions to be simulated (up to 60°C), whereby safeguarding operational certainty and reliability in all conditions. Speaking of operational certainty: Dieseko Group's rental fleet is used to test power packs under the severest of conditions - and we also have our own endurance test.

INTELLIGENT, EFFICIENT AND CLEAN

The Stage V emission norm for engines has been in effect in Europe since 2020. Dieseko Group uses Caterpillar and Volvo engines which comply with this norm, and has even gone a step further with the Dieseko Group i-Timer.

This is an intelligent stop-start system which prevents the engine from running unnecessarily (when stationary) and thus helps to reduce fuel consumption by up to 30%. The iQan controls, which feature a CAN bus system, lead to high reliability while enabling tailor-made software.





OUR POWER PACKS DRIVE

- Winches
- Augers
- Cranes
- Pumps
- SPMT'S
- Vibratory hammers
- Impact hammers

DESIGN BASED ON CUSTOMER SPECIFICATIONS

Dieseko Group is known for constructing tailor-made power packs for specific purposes when it comes to construction activities, the offshore sector, drilling rigs, shipping, heavy transport and dredging.

This involves using all the company's knowledge and experiences. Focus is always placed on the needs of the client, and ideas or preferences can be the catalyst for a completely new power pack. Dieseko Group is also able to modify its own series of power packs to suit customer preferences. In short, everything is possible and the experienced professionals at Dieseko Group are bound to surprise you with their innovative solutions.

OEM PRODUCTIONS

Dieseko Group allows suppliers of hydraulic equipment to also supply power packs which match their own technical specifications and designs, according to their corporate identity.



OPERATIONAL CERTAINTY

Dieseko Group is able to offer maximum support thanks to its worldwide network and 24/7 service. And this also applies to spare parts, which are available from stock and can be delivered on-location within 24 hours.






STAGE V POWER PACKS













EMISSION STANDARDS

As of January 1, 2020, the latest emission requirements for diesel engines in power packs have come into effect in the European Union countries. This so-called Stage V standard makes it compulsory for new machines to install cleaner engines. These engines emit fewer harmful substances through the use of an exhaust gas after-treatment.

HYDRAULIC POWER PACKS STAGE V

						
		200XS	200	300	400	500
Diesel engine		CAT C7.1	Volvo TAD 582 VE	Volvo TAD 882 VE	Volvo TAD 884 VE	Volvo TAD 1384 VE
Emission standard		Stage V / Tier 4F	Stage V / Tier 4F	Stage V / Tier 4F	Stage V / Tier 4F	Stage V / Tier 4F
Max. power	kW/HP	168/249	160/218	210/286	250/340	375/510
Max. frequency	rpm	2200	2300	2200	2200	1900
Working pressure	bar	350	350	350	350	350
Max. oil flow	l/min	280	211	324	396	520
Weight filled up	kg	3900	4250	5150	5150	7600
L x W x H	mm	3100 x 1500 x 1775	3375 x 1550 x 1970	3672 x 1600 x 2055	3672 x 1600 x 2055	4330 x 1750 x 2290

						
		600	800	800	900	900
Diesel engine		Volvo TAD 1385 VE	Volvo TWD 1683 VE	Caterpillar C18	Volvo TWD 1683 VE	Caterpillar C18
Emission standard		Stage V / Tier 4F	Stage V / Tier 4F	Stage V / Tier 4F	Stage V / Tier 4F	Stage V / Tier 4F
Max. power	kW/HP	405/551	585/796	563/755	585/796	563/755
Max. frequency	rpm	1900	1900	1800	1900	1800
Working pressure	bar	350	350	350	350	350
Max. oil flow	l/min	644	810	810	972	972
Weight filled up	kg	7600	9700	8700	9700	10250
L x W x H	mm	4330 x 1750 x 2290	5062 x 1900 x 2330	4750 x 1900 x 2420	5062 x 1900 x 2330	5320 x 1950 x 2420

						
		1000	1000	1600 short	1600	1600
Diesel engine		Volvo TAD 1384 VE (2x)	Caterpillar C27	Volvo TWD 1683 VE (2x)	Volvo TWD 1683 VE (2x)	Caterpillar C18 (2x)
Emission standard		Stage V / Tier 4F	Stage V / Tier 4F	Stage V / Tier 4F	Stage V / Tier 4F	Stage V / Tier 4F
Max. power	kW/HP	750/1020	709/950	1170/1592	1170/1592	1126/1510
Max. frequency	rpm	1900	1800	1900	1900	1800
Working pressure	bar	350	350	350	350	350
Max. oil flow	l/min	1051	1100	1710	1620	1620
Weight filled up	kg	14000	12700	18900	18000	18000
L x W x H	mm	5372 x 2480 x 2406	5075 x 2300 x 2415	5875 x 2900 x 2510	8075 x 2200 x 2540	8075 x 2200 x 2540

POWER PACKS



ICE POWER PACKS VERSATILE POWER

ICE power packs are driven by superb top brand motors and pumps and meet Tier 2 to durable Stage V regulations.

The ICE open loop hydraulic and cooling systems ensure a safe and reliable hydraulic operation and prevents overheating. The intelligent iQan management assures a reliable performance and our interface is available in all common languages!

The ICE power pack can be adapted for extreme conditions such as freezing arctic environments or desert conditions with scorching heat. For arctic temperatures the design of this high-tech power packs incorporates insulation, heating and cooling to produce the same reliable performance!

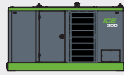
We have developed the power packs to keep up with changing environmental legislation and can be built according to regulatory requirements. To avoid oil leaks the power packs are equipped with a fluid-sealed bottom. Noise and emissions have been reduced. Stop-start intelligence and AdBlue technology can be adopted.

Other hydraulic equipment such as impact hammers, winches and pumps can also be driven using the ICE power packs.

HYDRAULIC POWER PACKS



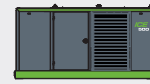
200



300



400



500

Diesel engine		Volvo TAD 751 GE	Volvo TAD 753 GE	Caterpillar C9	Volvo TAD 1352 GE
Emission standard		Stage IIIA / Tier 3	Stage IIIA / Tier 3	Stage IIIA / Tier 3	Stage IIIA / Tier 3
Max. power	kW/HP	158/214	212/288	242/329	363/494
Max. frequency	rpm	1800	1800	2200	1800
Working pressure	bar	350	350	350	350
Max. oil flow	l/min	252	324	396	520
Weight filled up	kg	4350	5150	6000	7500
L x W x H	mm	3370 x 1550 x 1980	3670 x 1600 x 2070	4000 x 1650 x 2065	4330 x 1750 x 2290



600



800



900



1000

Diesel engine		Caterpillar C15	Volvo TAD 1643 VE-B	Volvo TAD 1643 VE-B	Volvo TAD 1352 GE (2x)
Emission standard		Stage IIIA / Tier 3	Stage - / Tier 2	Stage - / Tier 2	Stage IIIA / Tier 3
Max. power	kW/HP	403/540	565/768	565/768	726/988
Max. frequency	rpm	2100	1900	1900	1800
Working pressure	bar	350	350	350	350
Max. oil flow	l/min	672	810	972	1051
Weight filled up	kg	7600	9500	9500	13870
L x W x H	mm	4500 x 1740 x 2250	5060 x 1900 x 2345	5060 x 1900 x 2345	5372 x 2480 x 2430



1400



1600



3200

Diesel engine		Volvo TAD 1353GE (2x)	Volvo TAD 1643 VE (2x)	Volvo TAD 1643 VE (4x)
Emission standard		Stage - / Tier 3	Stage - / Tier 2	Stage - / Tier 2
Max. power	kW/HP	820/1116	1130/1536	2260/3072
Max. frequency	rpm	1800	1850	1850
Working pressure	bar	350	350	350
Max. oil flow	l/min	1476	1665	3330
Weight filled up	kg	13870	15000	31000
L x W x H	mm	5370 x 2480 x 2430	5470 x 2480 x 2520	9075 x 2500 x 2695



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