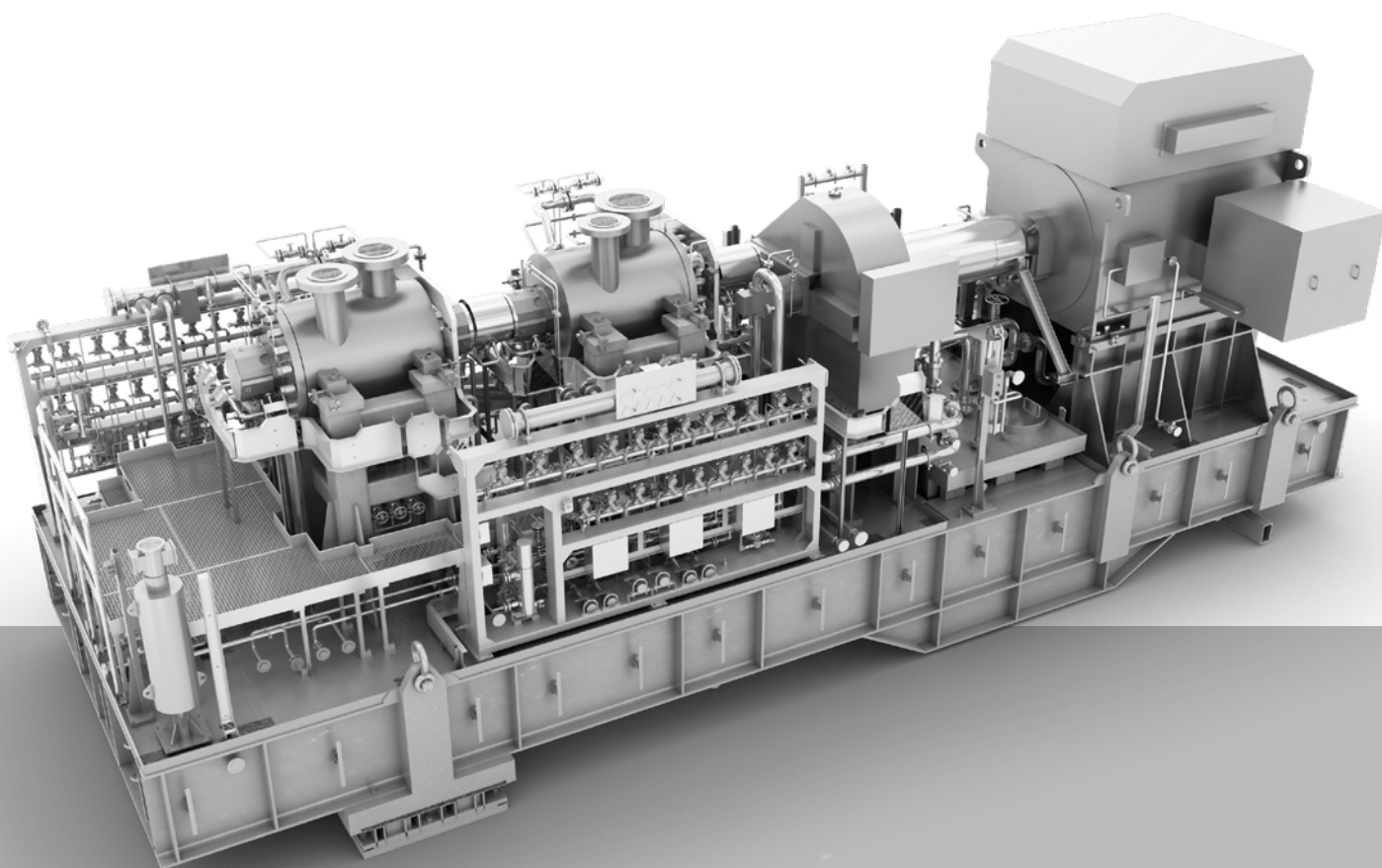


RB barrel-type compressor package



Perfectly fitted compressor packages

MAN Energy Solutions provides RB based compressor packages with comprehensive benefits – solutions which can be flexibly adapted to individual needs for both offshore and onshore use. The RB compressor packages can be integrated into almost all upstream, midstream and downstream processes and ensure reliability and efficiency for your operations.

Customer solutions

MAN offers the RB based compressor packages in three versions to meet different customer requests and project requirements. We provide an ideally matched product solution at the best possible cost and delivery times as well as a smooth and customer-oriented project handling.

Preconfigured compressor packages:

For customers who accept the functional MAN manufacturer's standard and prefer the advantages of lowest delivery times and acquisition costs to the individual specification.

Modular compressor packages:

MAN's adaptable product solution with which a large number of customer-specific requirements can be compiled from a modular scheme of pre-engineered systems and components, thus guaranteeing continued lean project handling with attractive delivery times.

Custom-engineered compressor packages:

Regardless which solution is chosen as a basis for the project – the RB based compressor packages are all designed to be optimally integrable. Its very robust and particularly maintenance-friendly system, manufactured in renowned MAN quality, is designed to ensure success through uncompromising performance.

Configuration

The RB package design kit includes all elements required for the configuration of a compressor package in different executions. It can be further adapted to specific requirements by a selection of defined options. If the pre-engineered elements are not sufficient to compose the required customer solution, further custom-engineered sub-systems can be added. Either way, customers always benefit from our extensive engineering and system integration expertise.

Typical characteristics of MAN compressor packages

MAN is offering the preconfigured compressor packages for offshore applications in five package sizes: in the power range between 1 and 15 MW as a single-lift unit with fixed-speed motor (50/60Hz), integrated sealing gas and lubricating oil supply system as well as a unit control system according to MAN manufacturer's standard.

For onshore applications, the preconfigured compressor packages are available in four package sizes: in the power range between 0.8 and 12 MW, motor-driven (50/60Hz and/or variable speed), with integrated sealing gas system, stand-alone lubricating oil supply system as well as unit control system according to MAN manufacturer's standard.

The modular packages are offered as motor-driven or gas turbine-driven trains, equipped with up to two compressors. The train layout is defined project-specifically and its sub-systems such as the power transmission (gearbox), sealing gas, lubricating oil supply system and/or control system are supplemented as pre-engineered modular elements. These packages have a power range of up to 15 MW (for one compressor) or up to 25 MW (for two compressors).

MAN's custom-engineered packages are individually adapted to all train elements or are developed according to explicit customer specifications, i.e. concerning performance requirements, material or system requirements but also with regard to train arrangements, interaction with special drive concepts or technically outstanding compression tasks (high-pressure and/or sour-gas compression, etc.).

At a glance

Features

Package solution is perfectly suited to match customer needs

Utilizing modular, proven components and systems

Demonstrating highest reliability thanks to outstanding operational excellency and ongoing design developments

Easily integrative, exchangeable as well as up-/down-gradable

Particularly easy to maintain

Benefits

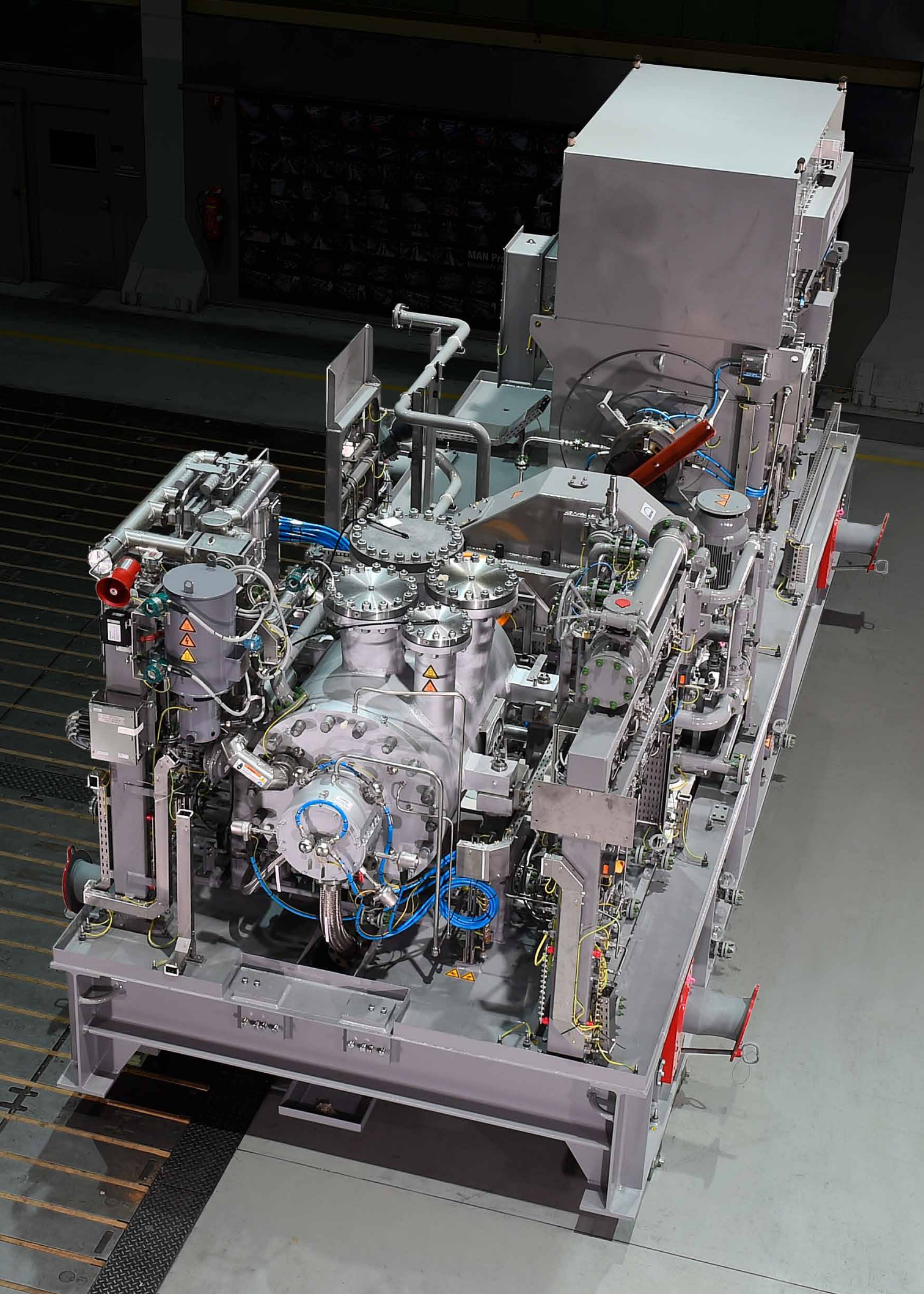
A smooth project execution and well-balanced price-performance-ratio

Competitive delivery times – in particular for preconfigured compressor packages – as well as high process reliability during project execution

Maximum availability and thus smooth and profit-oriented operation

Perfectly fits the application process

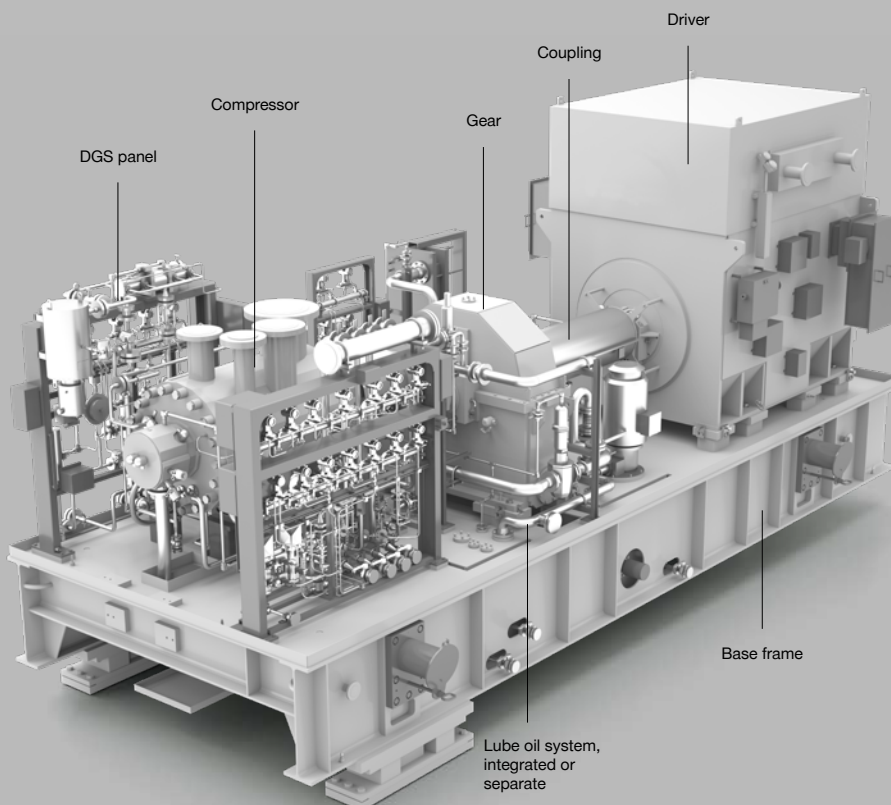
Highest operational availability and lowest downtimes



RB barrel-type compressor packages

Technical data

Compressor package type	Package size	Compressor configuration	Driver	Nom. power range (MW)	Compressor flow capacity (eff.) @ discharge pressure (typical compressor layouts)	Package dimension LxWxH [approx. in m]	Package weight [approx. in tons]
Preconfigured offshore	Size 1			1.0-3.1		8.6x4.1x4.1	45
	Size 2			3.1-4.7		9.0x4.1x4.5	52
	Size 3			4.7-7.1		9.0x4.3x4.6	62
	Size 4			7.1-12.0		9.5x4.6x4.8	72
	Size 5			12.0-15.2		9.7x4.8x5.0	85
Preconfigured onshore	Size 1			0.8-2.8		9.9x3.6x3.3	36
	Size 2			2.2-4.3		10.0x3.7x3.5	39
	Size 3	1 x RB 28 or		3.5-6.0	6500 m³/h @ 255 barg (RB 28),	10.4x3.9x3.5	43
	Size 4	1 x RB 35	EM	5.3-9.0	11000 m³/h @ 180 barg (RB 35)	11.1x4.3x3.6	52
Modular package	flexible sizing	1 / 2 x RB 28 – RB 112	EM or GT	0.3-25.0	13'000 m³/h @ 255 barg (2 x RB 28), 22'000 m³/h @ 180 barg (2 x RB 35), 37'000 m³/h @ 125 barg (1 x RB 45), ..., 165'000 m³/h @ 20 barg (1 x RB 112)	individual	individual
Custom-engineered package	flexible sizing	not limited	EM or GT	not limited	up to 1'500 m³/h @ 1'000 barg (RB 28), 15'000 m³/h @ 550 barg (RB xx), 35'000 m³/h @ 400 barg (RB xx), ..., 230'000 m³/h @ 95 barg (RB xx)	individual	individual



MAN Energy Solutions Schweiz AG

Hardstrasse 319
8005 Zürich, Switzerland
P + 41 44 278-2211
F + 41 44 278-2261
info@man-es.com
www.man-es.com

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