

EGR-5, 10 and 22 compressor series

Impeller made of forged duplex stainless steel (W. No. 1.4462 EN 10088) with a geometry customised for low pressure conditions.

Hydrodynamic journal bearings for reliable operation.

Compressor housing machined from casted stainless steel.

(AISI316), all components in the air path are made of the same material.

Carbon floating ring sealing, external air supply.

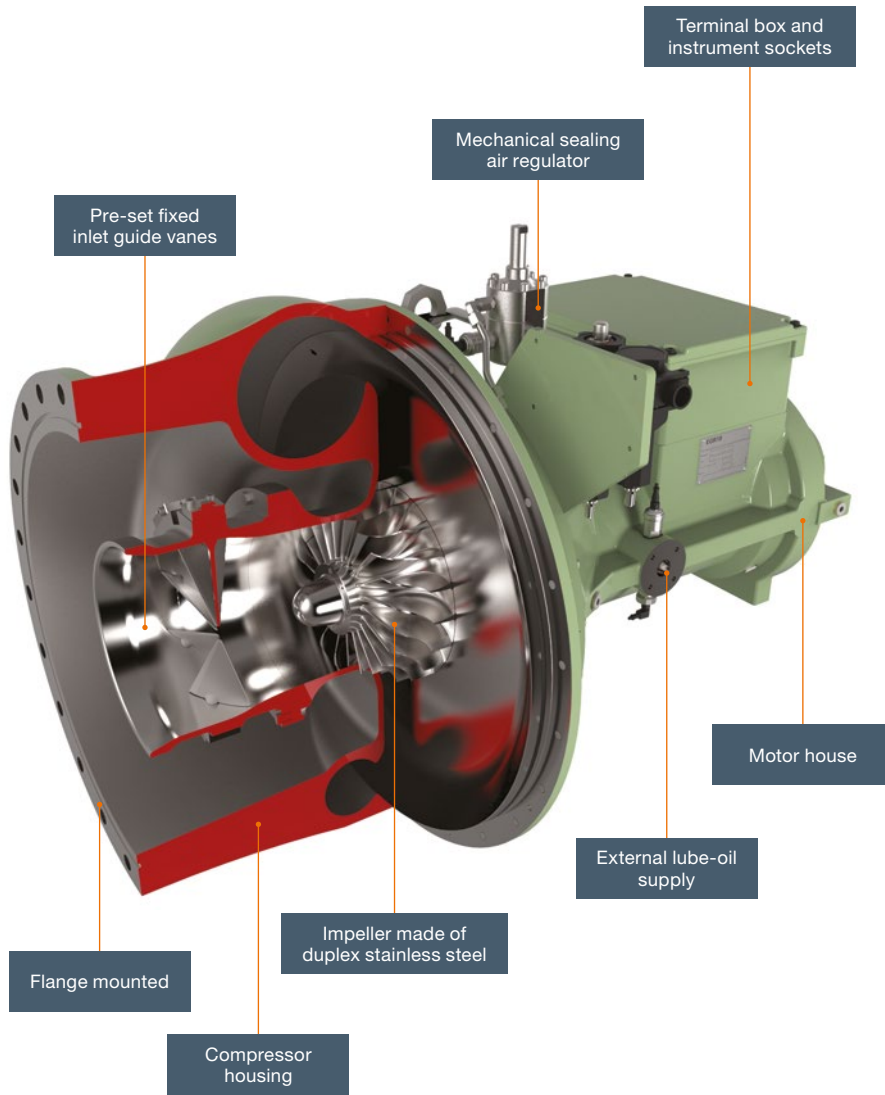
Pre-set fixed IGVs adapting the EGR frame capacity to the individual engine size for improved efficiency and flexibility.

External lube oil supply and water cooling supply.

Terminal box for connection of power supply (400 V/ 440 V) and instrument sockets.

Flange mounted for minimal space requirements.

Compact, mechanical design.



EGR turbo compressor selection – Frame size and IGV pre-setting

Frame	IGV Position	Min (m³/s)	Max (m³/s)	Selected product type
EGR22	V06	3,44	6,33	EGR22-G1-XXXX-V06
	V05	3,16	6,13	EGR22-G1-XXXX-V05
	V04	2,89	5,53	EGR22-G1-XXXX-V04
	V03	2,62	4,92	EGR22-G1-XXXX-V03
	V02	2,34	4,32	EGR22-G1-XXXX-V02
	V01	2,07	3,81	EGR22-G1-XXXX-V01
	V00	1,80	3,31	EGR22-G1-XXXX-V00
EGR10	V06	1,95	3,60	EGR10-G1-XXXX-V06
	V05	1,80	3,31	EGR10-G1-XXXX-V05
	V04	1,64	3,03	EGR10-G1-XXXX-V04
	V03	1,49	2,74	EGR10-G1-XXXX-V03
	V02	1,33	2,45	EGR10-G1-XXXX-V02
	V01	1,18	2,17	EGR10-G1-XXXX-V01
	V00	1,02	1,88	EGR10-G1-XXXX-V00
EGR5	V06	1,21	2,22	EGR5-G1-XXXX-V06
	V05	1,11	2,05	EGR5-G1-XXXX-V05
	V04	1,01	1,87	EGR5-G1-XXXX-V04
	V03	0,92	1,69	EGR5-G1-XXXX-V03
	V02	0,82	1,52	EGR5-G1-XXXX-V02
	V01	0,73	1,34	EGR5-G1-XXXX-V01
	V00	0,63	1,16	EGR5-G1-XXXX-V00

Note: Volume flow based on inlet conditions, specified in 3099474 - 3: Requirement specification for Exhaust Gas Recirculation

