

In Touch



Grasso V Series

Reciprocating compressors for industrial refrigeration

With the new Grasso V reciprocating compressor series, Grasso is heralding the start of a completely new era for the industrial refrigeration market. During the development of the Grasso V series, Grasso continually put itself in the position of the end user. Every component was assessed for the most important elements that contribute to a low Total Cost of Ownership like energy, maintenance and reliability with min. downtime. The result is not only the most efficient reciprocating compressor

on the market but also a compressor with electronically controlled service intervals (extended as well as flexible) in order to reduce the Total Cost of Ownership without jeopardizing reliability. This new series will gradually replace the existing series in a swept volume range from 290 up to 1592 m³/h. This moment single stage compressors with swept volumes from 637 upto 1592 m³/h are available. Smaller swept volumes, down to 290 m³/h, as well as compound (two stage) compressors will become available in 2012.

Features of Grasso V series

- Unique steel welded compressor housing
- No water cooling required
- Extended and flexible maintenance intervals
- Maintenance monitor for indication of upcoming service intervals
- Heavy duty axial roller bearing
- Counter pressure independent overflow valve
- Capacity control steps per cylinder
- Suitable for speed control (500 - 1200 min.⁻¹)
- Peek technology for high efficiency and long valve life time
- Low noise level
- Lowest Total Cost of Ownership (TCO)

° In touch with our products

Technical data and features

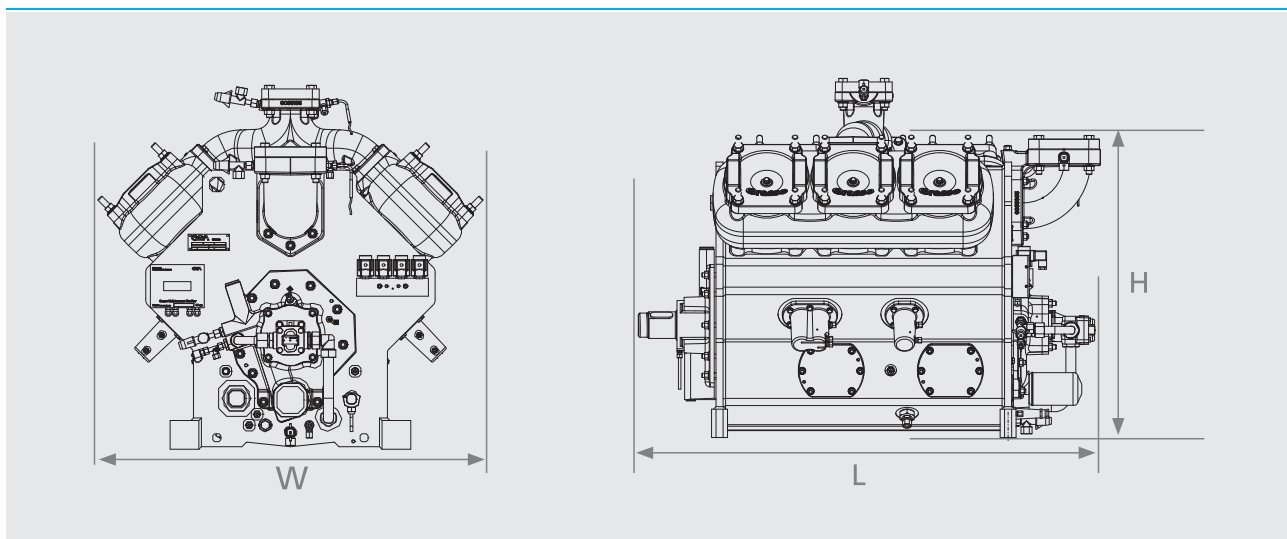
Models	Swept Volume* (m ³ /h)	Cooling cap. (kW)**				Dimensions (mm)			Weight (kg)
		NH ₃	R22	R134a	R404A	L	W	H	
Single stage			0/40 °C		-15/40 °C				
Grasso V 300	290	238	222	132	99	935	940	910	585
Grasso V 450	435	357	332	198	147	1310	940	910	755
Grasso V 600	580	476	444	264	198	1425	940	910	1050
Grasso V 700	637	553	400	249	199	1060	1072	1013	745
Grasso V 1100	955	830	601	374	299	1304	1072	1013	980
Grasso V 1400	1274	1106	801	499	399	1672	1072	1013	1515
Grasso V 1800	1592	1383	1002	624	498	1874	1072	1013	1750

Models	Swept Volume* (m ³ /h)	Cooling cap. (kW)**				Dimensions (mm)			Weight (kg)
		NH ₃	R22	R134a	R404A	L	W	H	
Two stage			0/40 °C		-15/40 °C				
Grasso V 300T	217								
Grasso V 450T	290								
Grasso V 600T	435								
Grasso V 700T	478								
Grasso V 1100T	637								
Grasso V 1400T	955								
Grasso V 1800T	1274								

Available as from end of 2012

* Theoretical swept volume based on max. speed of N = 1200 min.⁻¹

** Based on: 5K subcooling, 5K superheat (R404a: 20K superheat), max. speed for synth. refrigerants



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