

# Rotary compressors

## HGA and RGA

**Choose the new technology**



# TECUMSEH EUROPE

A subsidiary of the world leader Tecumseh Products Company, TECUMSEH EUROPE has served professionals in the refrigeration industry for more than 45 years.

## Our ongoing strategy of innovation is your guarantee of efficiency and reliability

### The widest range of products

Tecumseh Europe has a range of 3,000 compressors and condensing units (from 50 W to 35,000 W) in order to satisfy the needs of manufacturers and installers.

### Reliable and efficient products

Everywhere in the world, the “ L'UNITE HERMETIQUE® ” trademark is synonymous with quality and reliability.

The severest conditions of use are simulated in our 27 test chambers (calorimetric tests, endurance tests, acoustic levels). Select a “ L'UH ”, product, and you can be sure that you are choosing an efficient and well-tested product approved by all the major world-class manufacturers.

### European leader in rotary compressors for commercial refrigeration

The engineering design of the rotary palet and roller compression system ensures low acoustic energy levels and reduces the vibrations transmitted to the circuit. For over 15 years, the Tecumseh Products Company has widely developed this technology that is today the world reference for individual air conditioning

Rotary compressors are compact and more efficient than reciprocating compressors. Their high pressure design and the low number of moving parts mean that they achieve an excellent performance coefficient.

### Tecumseh's commitments



**Quality**



**Environment**



**Performance**

# Rotary compressors HGA and RGA

## Applications

### The HGA and RGA range of rotary compressors

The HGA and RGA commercial compressor range is specifically designed for chilled beverage and fruit juice machines, beer coolers, water fountains, refrigerated display cases, industrial process cooling and many other refrigeration applications.

### The characteristics of HGA and RGA rotary compressors in Watts at 50 Hz

#### R-404A

#### High temperature commercial refrigeration

	Displacement (cm <sup>3</sup> )	Refrigerating capacity*							CECOMAF	Overall height including suspensions (mm)
		-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C		
RGA/HGA4467Z	9,5	679	847	1047	1283	1557	1872	2231	1421	280/170
RGA/HGA4480Z	11,5	825	1017	1252	1530	1851	2212	2613	1689	290/170
RGA/HGA4492Z	12,7	905	1133	1398	1706	2060	2468	2932	1880	290/170
RGA/HGA4512Z	16,1	1163	1438	1770	2160	2609	3118	3689	2381	297/170

\*Ambient = +35°C. Overheated suction gases = +11K.

T° condensation = +54.5°C. T° Entering exp. valve = +46,1°C.

#### R-134a

	Displacement (cm <sup>3</sup> )	Refrigerating capacity*							CECOMAF	Overall height including suspensions (mm)
		-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C		
RGA/HGA4445Y	9,5	392	493	618	770	954	1173	1430	897	280/170
RGA/HGA4450Y	11,5	501	625	778	963	1184	1445	1749	1113	290/170
RGA/HGA4460Y	12,7	537	677	844	1045	1287	1576	1920	1210	290/170
RGA/HGA4476Y	16,1	696	870	1086	1349	1662	2030	2457	1562	297/170

\*Ambient = +35°C. Overheated suction gases = +11K.

T° condensation = +54.5°C. T° Entering exp. valve = +46,1°C.

#### R-404A

#### Low temperature commercial refrigeration

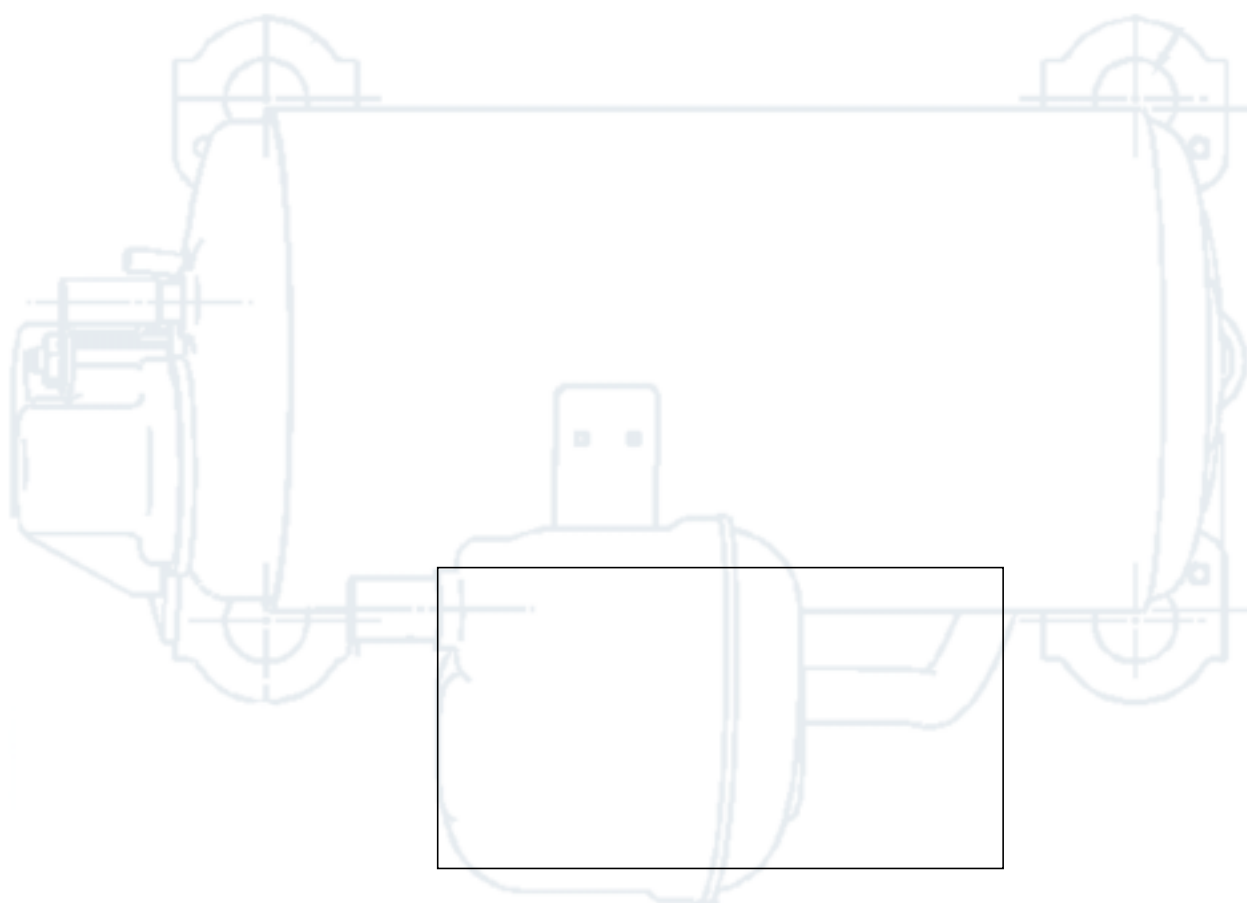
	Displacement (cm <sup>3</sup> )	Refrigerating capacity*						CECOMAF	Overall height including suspensions (mm)
		-35°C	-30°C	-25°C	-20°C	-15°C	-10°C		
RGA/HGA2426Z	9,5	375	474	590	726	888	1080	441	280/170
RGA/HGA2432Z	11,5	451	567	707	872	1065	1290	528	290/170
RGA/HGA2436Z	12,7	508	643	804	994	1219	1483	600	290/170
RGA/HGA2446Z	16,1	630	800	1000	1235	1512	1836	747	297/170

\*Ambient = +32°C. Evaporator outlet = +32°C.

T° condensation = +54.5°C. T° Entering exp. valve = +32°C.



## TECUMSEH EUROPE a professional at the service of professionals



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