

TECHNICAL INFORMATION

Scroll compressors - Commercial high back pressure

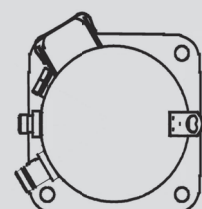
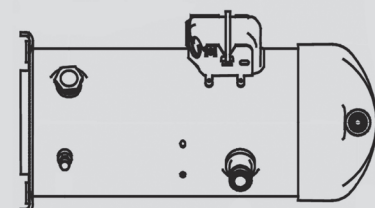
HP	Frame	Models	Voltages
1.8		VSA9S10Z	XC
2.0		VSA9S14Z	XC
2.5		VSA9S17Z	XC
3.0		VSA9S21Z	XC
1.8	59	VSA9S10Z	TZ/XG
2.0		VSA9S14Z	TZ/XG
2.5		VSA9S17Z	TZ/XG
3.0		VSA9S21Z	TZ/XG
3.5		VSA9S24Z	TZ/XG
4.0		VSA9S28Z	TZ/XG
5.0		VSA9S34Z	TZ/XG
6.0	70	VSA9S44Z	TZ/XG

Refrigerative capacity (W)						EN 12900	
EN 12900 - R620°C						SH	DK
-15°C	-10°C	-5°C	0°C	5°C	10°C	Cap.(W)	P.Abs. (W)
1 642	2 427	2 977	3 610	4 326	5 123	2 127	1 365
2 805	3 426	4 145	4 972	5 922	7 005	3 003	1 954
3 440	4 175	5 020	5 988	7 094	8 353	3 659	2 142
4 192	5 094	6 126	7 305	8 650	10 177	4 464	2 591
1 910	2 339	2 847	3 441	4 132	4 929	2 050	1 427
2 539	3 145	3 844	4 649	5 570	6 620	2 757	1 973
3 503	4 247	5 111	6 111	7 262	8 579	3 722	2 111
4 184	5 085	6 111	7 281	8 613	10 124	4 456	2 420
4 529	5 505	6 637	7 944	9 447	11 168	4 825	2 653
5 637	6 823	8 178	9 727	11 491	13 494	5 979	3 220
7 191	8 676	10 364	12 281	14 456	16 918	7 604	3 967
8 880	10 728	12 796	15 075	17 560	20 241	9 402	5 044

Dimensions (mm)					Weight (Kg)
A	B	C	D	E	
392	264	366			35
392	264	366			35
392	264	366			35
392	264	366			35
365	245	339	243	190	35
365	245	339	x	x	35
392	264	366	243	190	35
392	264	366			35
398	278	372			36
463	272	437			50
488	297	462			55
488	297	462			59

XC : 220 - 240V 1 - 50Hz
 XG : 380 - 420V 3 - 50 Hz
 TZ : 400V 3 - 50Hz
 440V 3 - 60Hz

Refrigerant - R404A
 EN 12900 - Condensing T.: 45°C.
 Subcooling : 0K



Tecumseh

A mark of respect for the environment

Optimise energy efficiency by increasing its products' performance is a priority objective for the Tecumseh group.

This is why, in order to measure their environmental carbon footprint, Tecumseh is constantly carrying out studies and life cycle analyses for its products.

Today, the development and a wide range of technologies such as reciprocating, rotary and scroll enable Tecumseh to offer a complete range to suit all requirements.

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Tecumseh Europe and its partner distributors guarantee you a local service

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■ The Tecumseh scroll range:
 The result of all of
 Tecumseh's expertise

Mastering
 the 3 technologies



RECIPROCATING



ROTARY



SCROLL

- High performance levels that allow power savings on your installations
- A patented design that guarantees reliability and durability
- An environmentally friendly solution



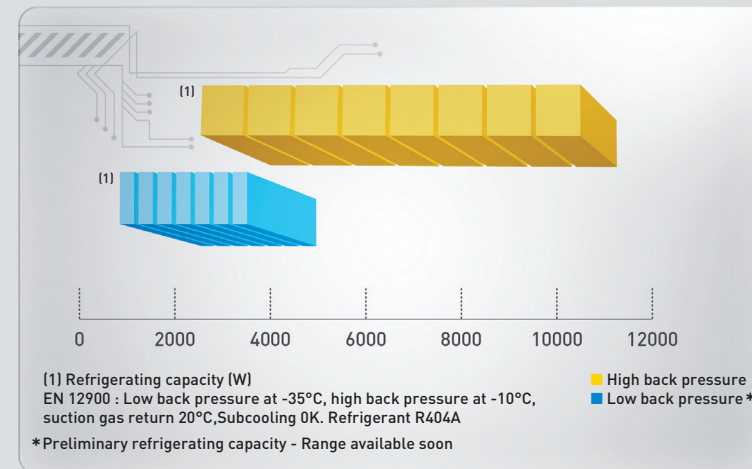
◆ Numerous potential applications

→ The Tecumseh scroll range covers a wide range of applications

to meet your different commercial refrigeration requirements. Whatever your sector of activity, there is a compressor or condensing unit that meets your expectations.

- Local stores,
- Service stations,
- Restaurants and commercial catering,
- Multi-compressor packs,
- Industrial chillers

Tecumseh scroll compressor operating range



Product range also available for HTA condensing units (43°C ambient temperature)
 • Compressors : 7 models for low back pressure and 8 models for high back pressure
 • Condensing units : 7 models for low back pressure and 8 models for high back pressure

◆ Optimum performance for minimum consumption

→ Combined with the brand's knowledge, the registration of numerous patents provides the scroll compressor and condensing unit range with a unique design and gives optimised cooling performance and low energy consumption.

◆ Tecumseh scroll compressors.

Performance and savings

- High performance and reduced energy consumption,
- Constant electrical consumption,
- High volumetric efficiency,
- Reduced pressure drop.

Robust and reliable

- Reduced number of moving mechanical parts,
- High refrigeration performance maintained due to precision machining,
- Compressor mechanics secured directly to the housing,
- VDE and UL certified compressors.

Reduced noise level

- Reduced pulsations due to continuous compression,
- Reduced compressor vibration.

◆ Tecumseh scroll condensing units.

- Condensing units designed to operate in an ambient temperature of 43°C,
- European components, tested and approved by Tecumseh,
- Options available to facilitate adaptation to your installations:
 - Liquid line
 - Thermal protection
 - Housing
 - Fan speed control



HP	Models	Voltages
1.8	VSAT95102HR	XC
2.0	VSAT95142HR	XC
2.5	VSAT95172HR	XC
3.0	VSAT9512HR	XC
1.8	VSAT95102HR	TZ/XG
2.0	VSAT95102HR	TZ/XG
2.5	VSAT95172HR	TZ/XG
3.0	VSAT95172HR	TZ/XG
3.5	VSAT95242HR	TZ/XG
4.0	VSAT95282HR	TZ/XG
5.0	VSAT95362HR	TZ/XG
6.0	VSAT95442HR	TZ/XG

XC : 220 - 240V 1 - 50Hz
 XG : 380 - 420V 3 - 50 Hz
 460V 3 - 60 Hz
 TZ : 400V 3 - 50Hz
 440V 3 - 60Hz

Refrigerant - R404A
 EN 13215 - Ambient T : 32°C,
 Subcooling : 3K

Refrigerating capacity (W)	EN 13215 - R404A					Ref. Cap. (W)	P. Abs. (W)
	-15°C	-10°C	-5°C	0°C	5°C		
2196	2637	3138	3701	4324	5007	2354	1494
2806	3369	3988	4657	5374	6130	2987	2106
3771	4426	5142	5917	6747	7629	3910	2334
4533	5408	6363	7393	8491	9646	4793	2708
2196	2637	3138	3701	4324	5007	2354	1494
2806	3369	3988	4657	5374	6130	2987	2106
3771	4426	5142	5917	6747	7629	3910	2334
4533	5408	6363	7393	8491	9646	4793	2708
4533	5408	6363	7393	8491	9646	4793	2708
4874	5798	6819	7933	9134	10415	5133	2981
6151	7296	8537	9863	11254	12688	6476	3515
7433	8936	10324	11783	13298	14856	7983	4423
9194	10748	12364	14002	15622	17183	9448	5714

Dimensions (mm)			
Height	Depth	Width	Weight (kg)
540	656	575	68
540	656	575	68
527	621	992	77
563	593	1072	85
540	656	575	68
540	656	575	68
527	621	992	77
563	593	1072	85
563	593	1072	85
563	593	1072	86
580	636	1072	108
606	636	1072	113
606	636	1072	117

