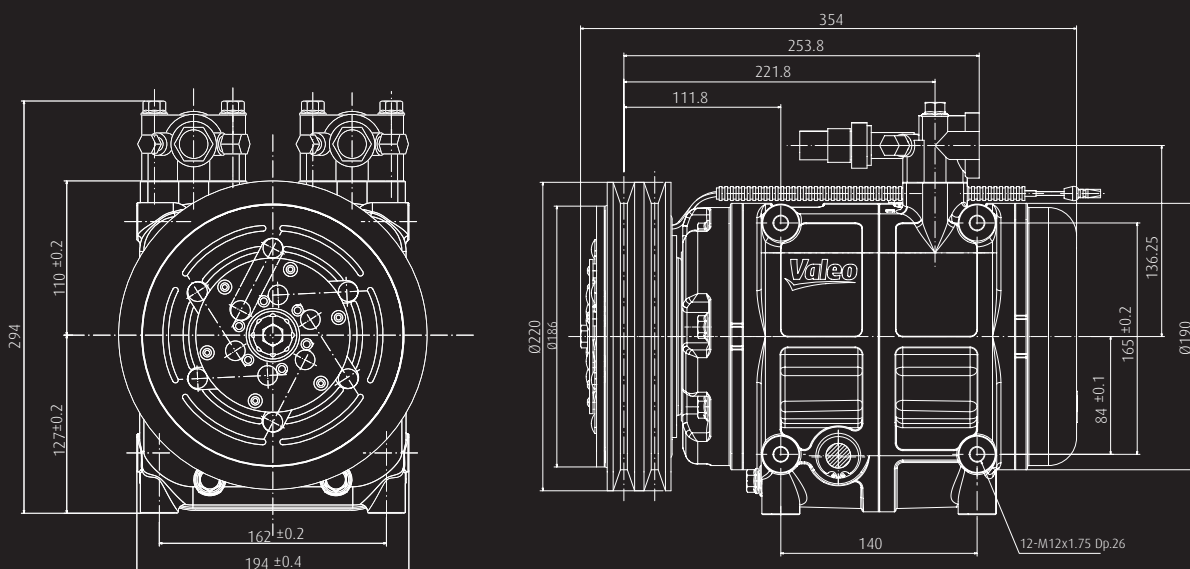


Heavy Duty Air Conditioning Compressors



valeo added

Enabling a better automotive world





Valeo Compressors

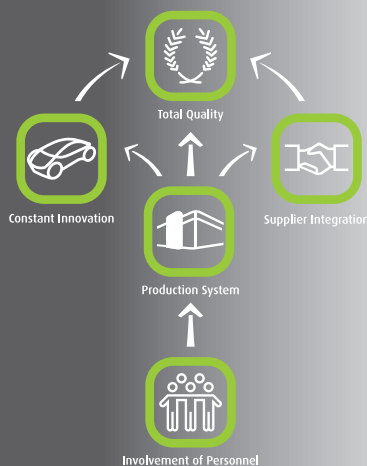


Valeo Compressors: high performance, best reliability and service

5 axes for customer satisfaction

Valeo Compressors is dedicated to the Design, Production and Sales of air conditioning compressors.

Designing high performance and high efficiency compressors is a way for us to ensure our customers' business profitability and growth. Hundreds of engineers within our research and development department aim at delivering leading technologies and design solutions for your present and future needs.



Manufacturing excellence together with integration of the best suppliers is our way to guarantee that our compressors set the highest standard in quality and reliability. Total quality is achieved through the 5 axes methodology applied by all Valeo employees. Sales of compressors is for us an opportunity to bring value to our customers. Adding value implies that beyond ensuring on time delivery of quality products, we deliver a comprehensive service. Each of our sales engineers has worked several years in our Research and Development center, acquiring extensive knowledge of compressors and A/C loop. Our fully qualified sales engineers are always ready to support you in integrating our compressor into your unique system. We invite you to discover more about us and our products along this brochure. You may well discover along the following pages new solutions we can deliver and imagine how we can support your long term success.

Valeo Compressors brands

Valeo Compressors has the strength of an international corporation and distributes a complete range of compressors thanks to the rich cultural and technological background of 3 well known brands:



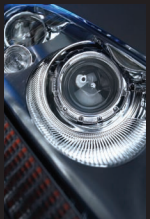
Tama Compressors is well known as the creator of the TM series. The legendary reliability of the TM series remains a tribute to its still growing success, and still remains unmatched by any imitation. The Tama brand is notably strong in the Asian market. Seltec brand fame is the result of the strong effort we have delivered for years to adapt to new customers especially in North American and European market. Valeo brand is also actively developing globally thanks to the strength and well-known excellence delivered by Valeo for years in all markets worldwide. Our technology and products are also re-branded by some distributors in select markets. Notably, the Zexel brand belongs to one of our Japanese aftermarket distributors.

Valeo group

PROFILE:

Valeo, an independent industrial group, ranks among the world's leading automotive suppliers.

Valeo is organized into industrial products families. Being one of them Valeo Compressors propose innovative solutions that best fits today's OEM and Aftermarket needs.



Lighting Systems



Wiper Systems



Security Systems



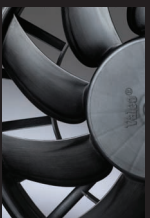
Engine Management Systems



Electrical Systems



Interior Controls



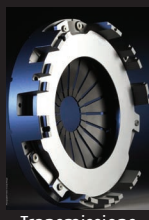
Engine Cooling



Compressors



Climate Control



Transmissions



VALEO COMPRESSORS:

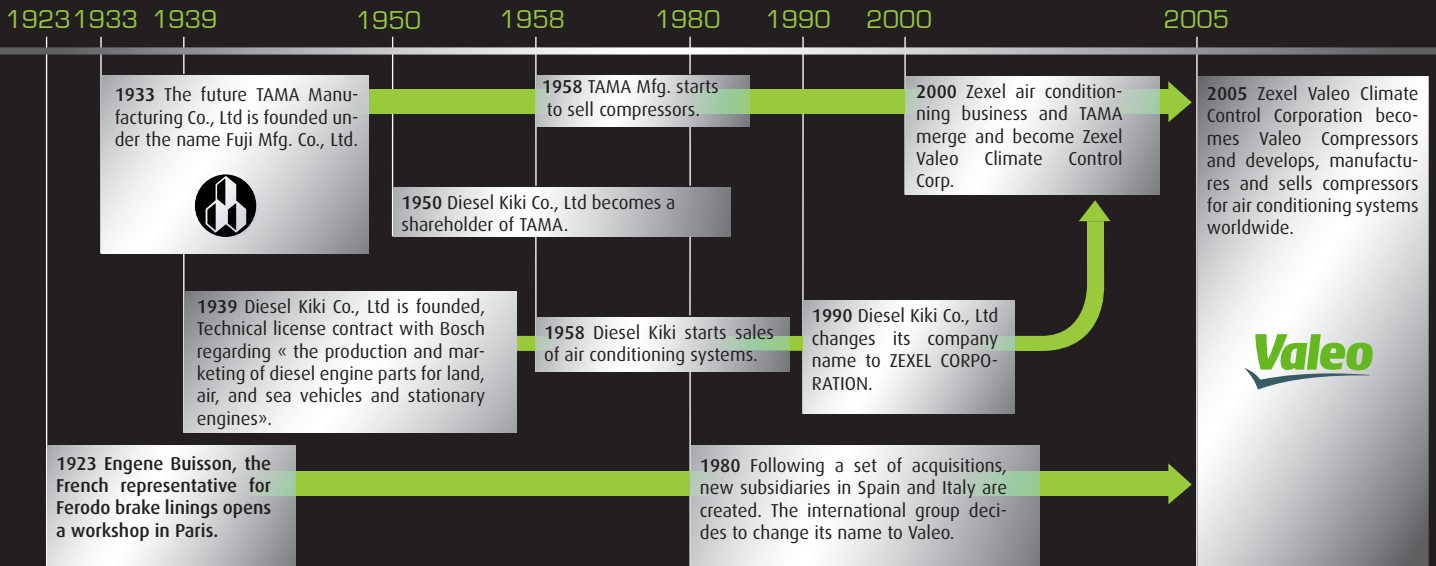
- | | | | |
|------------------|------------------|-------------|---------------------|
| > Establishment: | April, 2005 | > Presence: | 9 plants worldwide, |
| > Annual Sales: | 414 million Euro | | 8 R&D centers, |
| > Workforce: | 3,086 employees | | 8 sales offices |
| > Headquarters: | Tokyo - Japan | | |



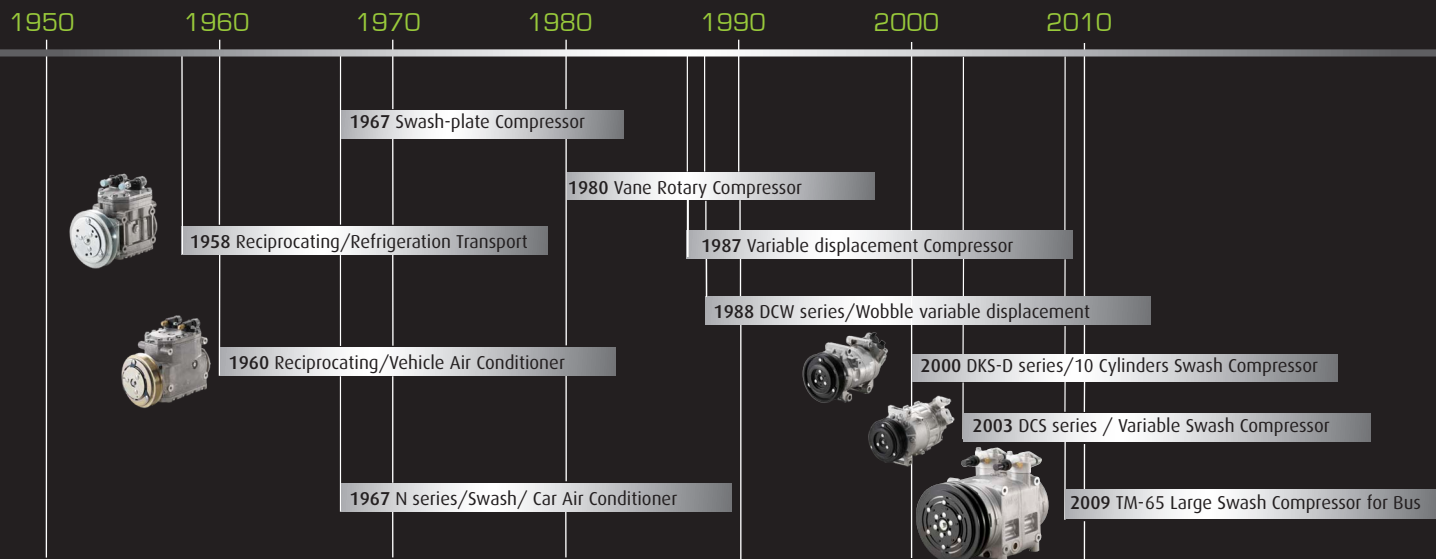
Valeo Compressors history

The Valeo Compressors legacy goes back to 1958 in the Japanese prefecture of Gunma, when the company Tama manufacturing, founded in 1933, started to manufacture air-conditioning compressors. Tama manufacturing was renamed Zexel Valeo Climate Control Corporation in 2000 when it absorbed former Zexel group climate control business and welcomed Valeo group as one of its major shareholders. In 2005, Zexel Valeo Climate Control Corporation became a fully owned subsidiary of Valeo following a successful merger with Valeo Climate Control business. Since then, Valeo Compressors has been one of the fastest growing product families of Valeo Group, taking advantage of both eastern and western cultural backgrounds for superior quality and performance.

COMPANY HISTORY



COMPRESSORS



Solutions meeting customers' expectations

Valeo Compressors is one of the world's leading manufacturers of automotive air-conditioning and refrigeration compressors. Our advanced technology enables us to deliver a highly qualitative and cost competitive range of products which has established us as an Original Equipment supplier to most of leading vehicle manufacturers around the world.

Through a strong and productive partnership with automotive customers producing millions of vehicles every year, we are committed to achieving the highest customer satisfaction level in wide range of applications. Dedicated technical and sales teams are devoted to maintaining and developing partnerships with Speciality vehicle manufacturers. Our Heavy Duty and Aftermarket dedicated business unit is currently covering all of the following specialities:

Car and Light Truck: OE and Aftermarket

Our offer for Passenger Cars provides our customers with an access to Original equipment (OE), Remanufactured (eco-friendly) or matching quality compressors for most of today's running cars worldwide.



Truck and Heavy Duty Vehicles:

Many truck and heavy duty vehicle makers around the world trust our product for long-run reliability. Heavy duty implies ultimate reliability under extreme conditions.



Buses and Coaches*:

This speciality requires large displacement compressors for A/C systems cooling bigger volumes. Every year, buses and coaches running our compressors remain cool for millions of miles.



Industrial and Agriculture machines:

This speciality benefits from our experience in light truck and passenger cars, as well as in heavy duty applications, allowing us to offer the best possible adaptation to specific needs.



Refrigeration (transport)*:








Refrigerated transport requires specific refrigerants and the highest reliability standards. Partnerships with leading market distributor allow us to ensure end user satisfaction in every country.



*Product ranges distributed through specific channels.
Please contact our sales team to get the most accurate answer to your enquiry.

Range of compressors

Our commitment is to deliver a product range that addresses our customers' needs and fully meets end-users' expectations. The only answer to this challenge is a strong investment in research and development which allows us to offer a wide range of displacements and applications. This achievement is the result of 50 years of design improvements for all technologies used today in our compressors.

Valeo Compressors Displacement cm ³ /rev.	Reciprocating Type	Piston Type			Vane Rotary Type		
	Crank Shaft	Iron Swash Plate	Aluminium Swash Plate		5 vanes		
	Fixed Displacement			Variable Displacement	Fixed Displacement		
	DKP series	TM series	DKS series		DCS series	DKV series	
							
			DKS-CH	DKS-D	DKS-DS		
Small Vehicle	2 pistons	6 pistons	6 pistons	10 pistons	10 pistons	6 pistons	5 vanes
	125	82	131	131	156	140	60
		131	147	147	175	171	70
	3 pistons	147	163	168	215		80
	189	215					105
Large Vehicle	226	313					110
							140
		14 pistons					
		550					
		635					



valeo added 

Fixed displacement swash plate piston type

- TM Series: TM-08, TM-13, TM-15, TM-16, TM-21, TM-31, TM-55, TM-65
- DKS Series: DKS-13, DKS-15, DKS-17, DKS-32

- > Unlimited adaptations and field serviceable TM series
- > Comprehensive range coverage from small engines to heavy duty including bus applications with TM and DKS series
- > State of the art design for best efficiency and performance



Fixed displacement reciprocating piston type

- DKP Series: DKP-12, DKP-19, DKP-23

- > Proven robust solution and reknown refrigeration application standard
- > Heavy duty durability
- > Long lasting performance



Fixed displacement vane rotary type

- DKV Series: DKV-06, DKV-07, DKV-08, DKV-10, DKV-11, DKV-14

- > Light and robust design for small engine applications
- > High volumetric efficiency optimized for passenger cars and light truck
- > Lower vibration and noise levels than scroll compressors



Variable displacement swash plate piston type

- DCS Series: DCS-14, DCS-17

- > Variable displacement providing on demand cooling capacity to A/C systems
- > Reduce significantly passenger cars fuel consumption
- > Clutchless option reducing weight, noise and vibration level

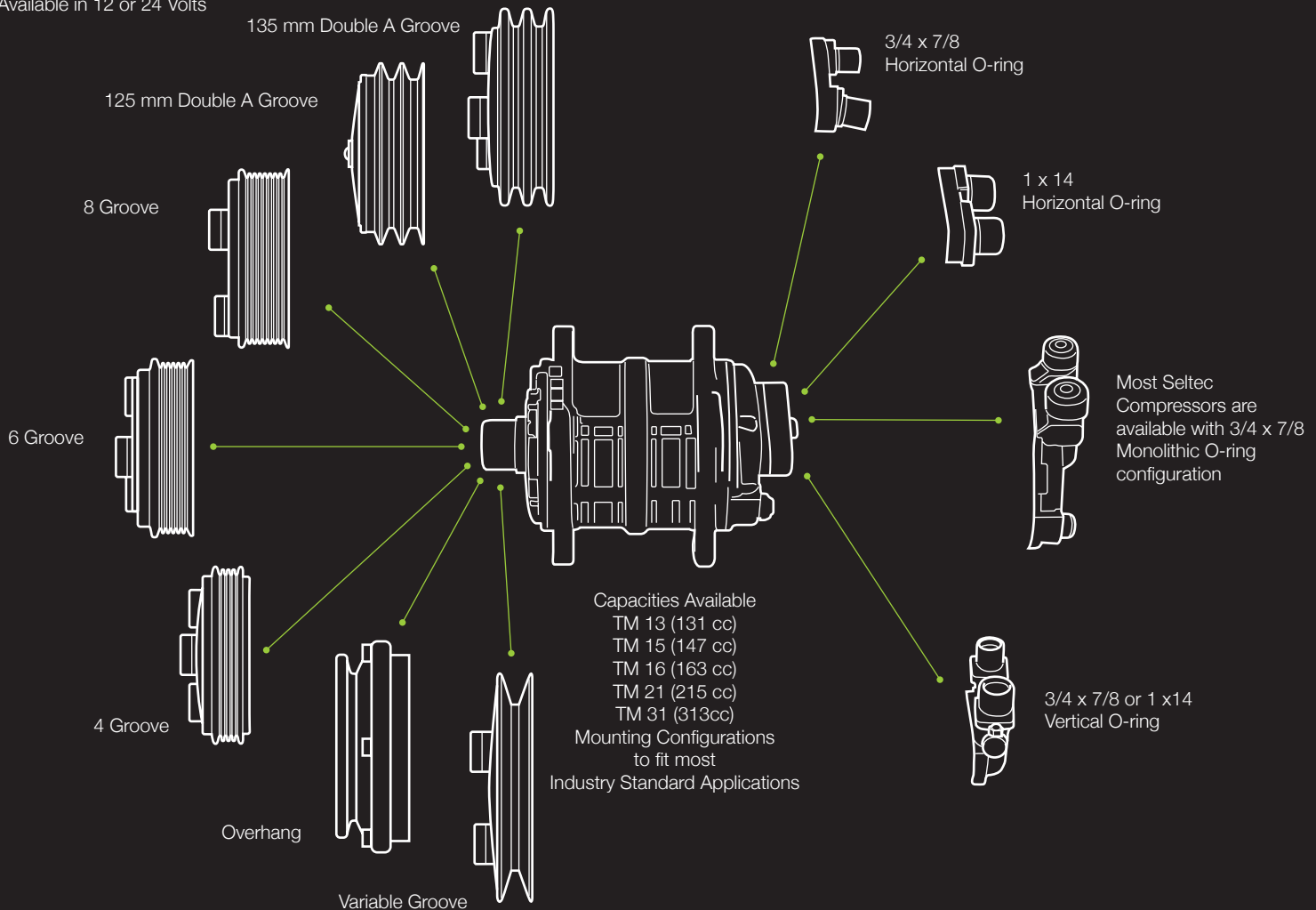


Compressors adaptations

The TM series compressors were designed to cover a wide range of applications, providing the best fit to the needs of A/C systems makers and any customer requiring adaptation flexibility. TM compressors also incorporate the latest design improvements in order to better meet the needs of today's heavy duty systems. TM compressors are designed to be field serviceable with parts which are available from your distributor and can be replaced at your local service facilities.

TM compressors' adaptations:

Available in 12 or 24 Volts



Heavy Duty and Aftermarket Sales

Asia

Japan Sales Office

1538 Oaza-shinozuka, Oura-Machi, Oura-Gun, Gunma-ken
370-0615 Japan

Phone: +81 (0) 276 881 232

Fax: +81 (0) 276 881 944

Email: vc-oura-sales@valeo.com

Europe & Middle East Africa

France Sales Office

6 rue Francois Cevert
BP71014 49015 Angers France

Phone: +33 (0) 241 686 254

Fax: +33 (0) 241 686 239

Email: vc-angers-sales@valeo.com

Americas

North America Sales Office

2520 Esters Blvd #100
Dallas, TX 75261 United States

Phone: +1 972 456 1077

Fax: +1 972 456 1090

Email: vc-dallas-sales@valeo.com



Valeo Compressors Locations

Headquarters

Valeo Compressors Headquarter

6F Minami-shinjuku, hoshino-Bldg 5-23-13
Sendagaya Shibuya-ku
151-0051 Tokyo Japan

Production plants

Japan - Oura

Japan - Kumagaya

China - Changchun

Thailand - Rayong

Czech Republic - Humpolec

Poland - Czechowice

Korea - Cheonan

Technical Centers

Japan - Kumagaya

U.S.A. - Auburnhills

Germany - Hockenheim

Valeo Compressors Quality for Heavy Duty



Valeo

Compressors

valeo added 

www.valeocompressors.com

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