



## Valeo compressors performance tool

Looking for a vehicle compressor ?


🔗 **Discover the Valeo TM Series (<http://www.valeocompressors.com/en/tm-series>)** Buses, agriculture, trucks... A single series for all kind of application, designed to be adaptable, silent and compact.

# Operating conditions:

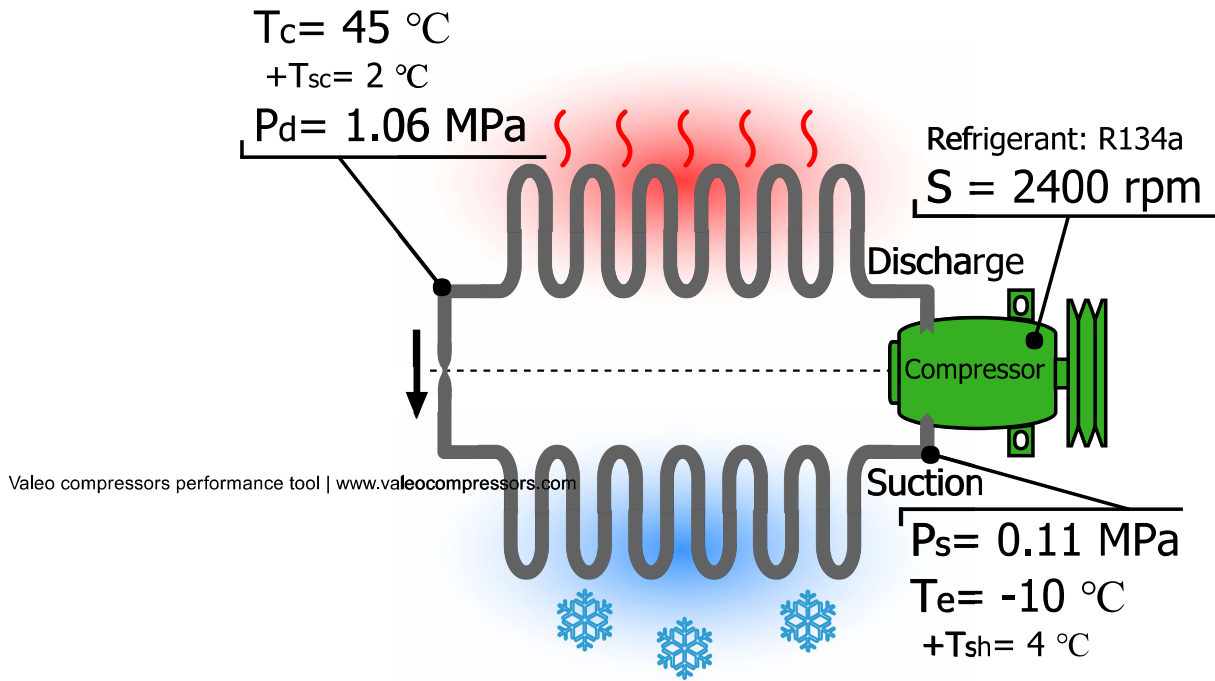
Select mode:	Cooling capacity	Compressor model
	Cooling capacity <input type="text" value="15"/> kW	Compressor model <input type="text" value="TM15"/> ▼

Input type:	Temperatures	Pressures
Subcooling temperature Tsc: <input type="text" value="2"/> °C	Condensing temperature Tc: <input type="text" value="45"/> °C	Discharge pressure Pd: <input type="text" value="1.06"/> MPaG
Super heat temperature Tsh: <input type="text" value="4"/> °C	Evaporating temperature Te: <input type="text" value="-10"/> °C	Suction pressure Ps: <input type="text" value="0.11"/> MPaG

Compressor speed <input type="text" value="2400"/> rpm	Units system: <input type="text" value="Metric"/> ▼	<input type="button" value="Submit &gt;"/>
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 Refrigerant is R134a. Pressures are relatives. Move your mouse over fields to display ranges.

# Refrigeration cycle diagram



 Results:

## | Performances:

Performance data
Cooling Capacity (kW)
Power (kW)
COP
Condensing capacity (kW)
Mass flow (kg/h)

TM15
4.49
2.52
1.78
7.15
131.57

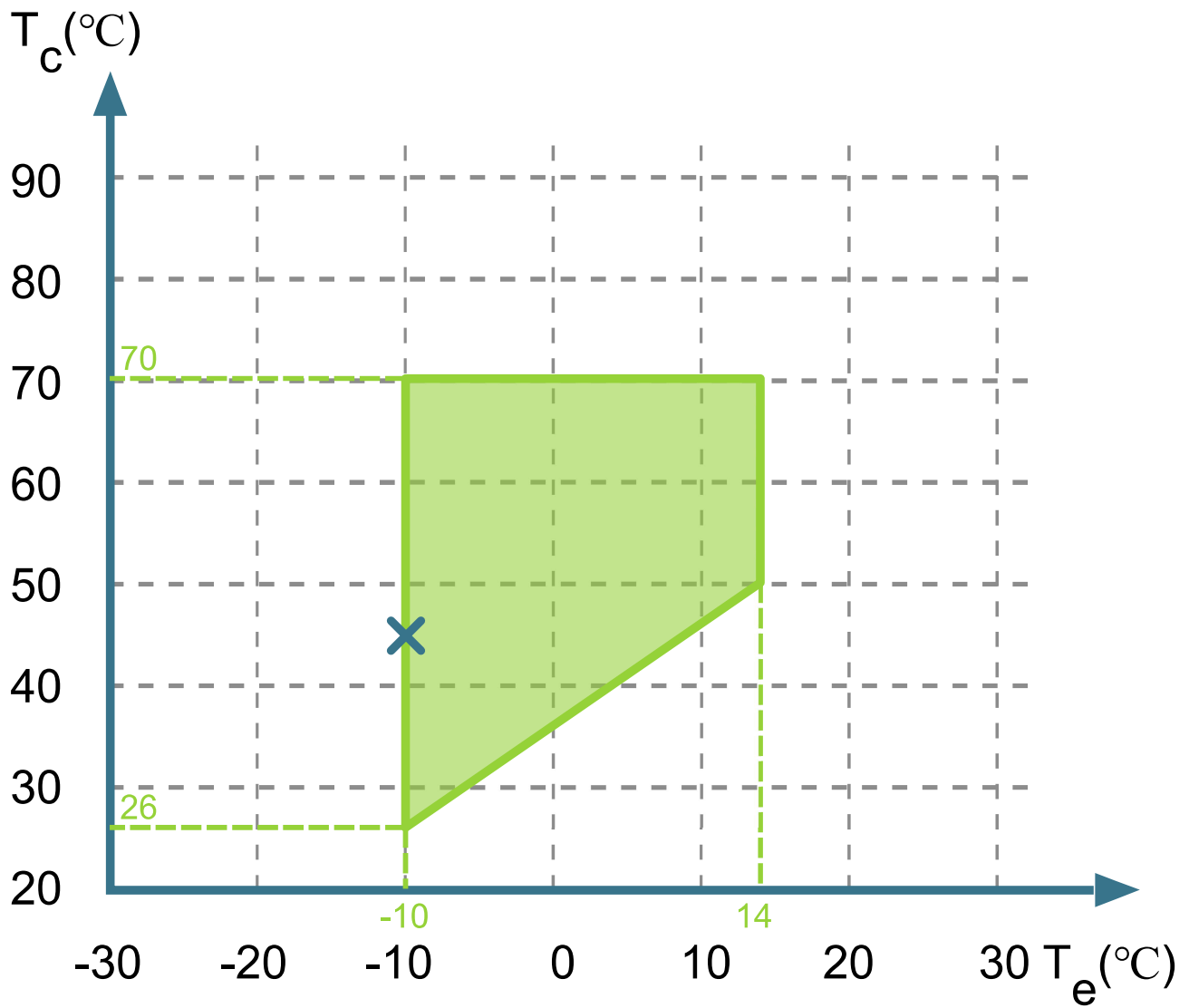
## Diagrams:

● You will find additional diagrams and information in product pages (see links above)

TM15 preview:



TM15 application map:



## Technical data:

Compressor specification	TM15
Technology	Heavy Duty Swash Plate
Displacement	147 cm <sup>3</sup> /rev
Number of Cylinders	6 (3 double-headed pistons)
Revolution Range	700 - 6000 rpm
Direction of Rotation	Clockwise & Counterclockwise
Refrigerant	HFC-134a
Bore	36.0 mm
Stroke	24.0 mm
Lubrication System	Splash lubrication
Shaft Seal	Lip seal type
Oil	ZXL 100PG PAG OIL (150 cm <sup>3</sup> )
Weight	4.6 kg (w/o clutch)
Dimensions	202 - 124 - 142 mm (w/o clutch)
Mounting	Ear or Direct

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Results are not contractual, contact us for more details.