



XI. Compressors

Compressor Valeo **TM-08**

Compact and adaptable for Off Road equipment

The TM series compressors were designed to cover a wide range of applications, ideal for any customer requiring adaptation flexibility. The TM compressors incorporate the latest design improvements to better meet the needs of today's Heavy Duty systems.

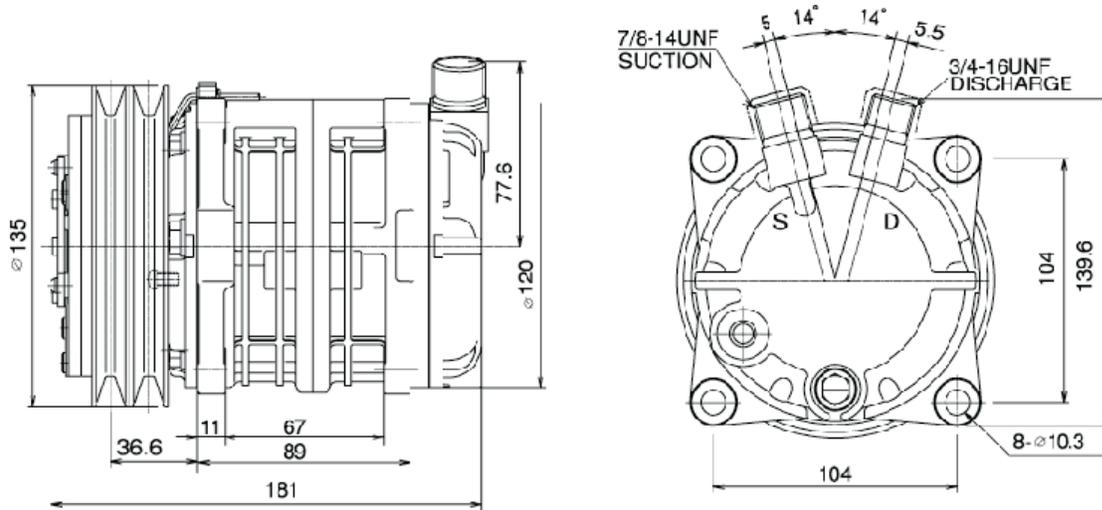
The TM family boasts extends to:

- The drive end, through a wide range of interchangeable pulley profiles (A, B and PKP), pitch diameters and bi-directional clutch plates
- The refrigerant connections end, through a range of back caps or a wide range of fittings that are pad-mounted to the back cap



Features

- High efficiency and performance
- Lightweight and compact compressor
- Many adaptations with a large choice of clutches and fittings
- High reliability
- Low vibrations and noise
- Suitable for heavy duty applications



Technical Data

Rotation	CW / CCW
Max speed	700 – 6000 rpm
Clutch coil	12 or 24 VDC
Displacement	5 in ³ (82 cm ³)
Number of pistons	6
Refrigerant	R134a
Pulleys ^[1]	125-2AG 135-1AG 135-2AG 137-1bg 119 (4PK / 6PK / 8PK)
Mounting	EAR
Unloading steps	N/A
Oil charge	ZXL 100PG PAG OIL 5.3 oz (150 cm ³)
Weight (without clutch)	9 lbs (4.1 kg)

[1] Outside diameters

Compressor Valeo TM-13

Heavy duty for Truck and Off Road equipment

The TM series compressors were designed to cover a wide range of applications, ideal for any customer requiring adaptation flexibility. The TM compressors incorporate the latest design improvements to better meet the needs of today's heavy duty systems.

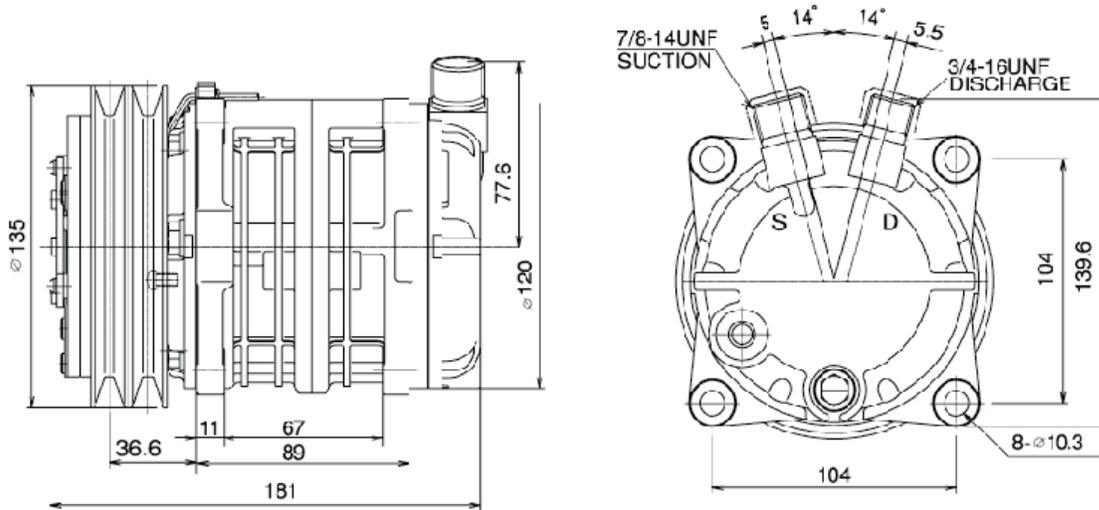
The TM family boasts extends to:

- The drive end, through a wide range of interchangeable pulley profiles (A, B and PKP), pitch diameters and bi-directional clutch plates
- The refrigerant connections end through a range of back caps or a wide range of fittings that are pad-mounted to the back cap
- Two alternative mounting provisions: Ear or Direct



Features

- Adaptable heavy duty compressors
- High efficiency and performance
- Lightweight and compact
- High reliability
- Low vibrations and noise



Technical Data

Rotation	CW / CCW
Max speed	700 – 6000 rpm
Clutch coil	12 or 24 VDC
Displacement	8 in ³ (131 cm ³)
Number of pistons	6
Refrigerant	R134a
Pulleys ^[1]	135-1AG 135-2AG 137-1bg 119 (4PK / 6PK / 8PK)
Mounting	Ear or Direct
Unloading steps	N/A
Oil charge	ZXL 100PG PAG OIL 5.3 oz (150 cm ³)
Weight (without clutch)	10 lbs (4.4 kg)

[1] Outside diameters

Compressor Valeo **TM-15**

Heavy duty for Truck, Bus and Off Road equipment

The TM series compressors were designed to cover a wide range of applications, ideal for any customer requiring adaptation flexibility. The TM compressors incorporate the latest design improvements to better meet the needs of today's Heavy Duty systems.

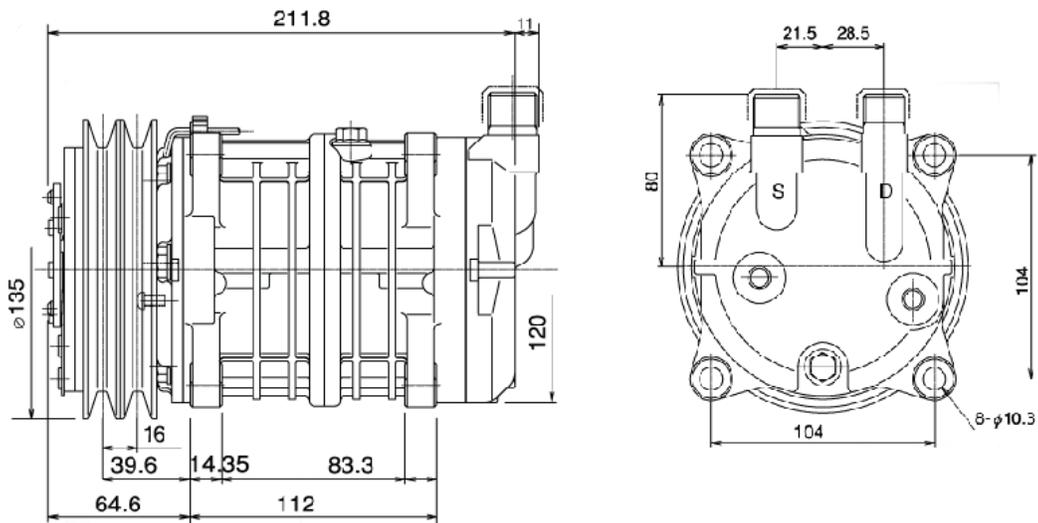
The TM family boasts extends to:

- The drive end, through a wide range of interchangeable pulley profiles (A, B and PKP), pitch diameters and bi-directional clutch plates
- The refrigerant connections end through a range of back caps or a wide range of fittings that are pad-mounted to the back cap
- Two alternative mounting provisions: Ear or Direct



Features

- Adaptable heavy duty compressors
- High efficiency and performance
- Lightweight and compact
- High reliability
- Low vibrations and noise



Technical Data

Rotation	CW / CCW
Max speed	700 – 6000 rpm
Clutch coil	12 or 24 VDC
Displacement	9 in ³ (147 cm ³)
Number of pistons	12 (6 x 2)
Refrigerant	R134a
Pulleys ^[1]	135-1AG 135-2AG 137-1bg 119 (4PK / 6PK / 8PK)
Mounting	Ear or Direct
Unloading steps	N/A
Oil charge	ZXL 100PG PAG OIL 5.3 oz (150 cm ³)
Weight (without clutch)	10 lbs (4.4 kg)

[1] Outside diameters

Compressor Valeo **TM-16**

Provides the largest cubic displacement in its class

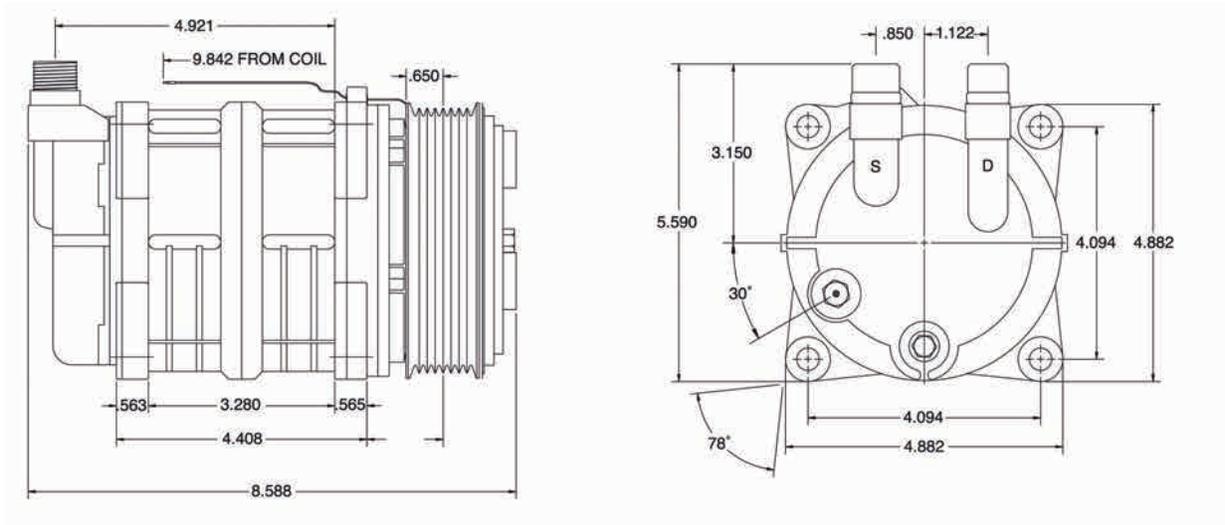
At 10 in³ (164 cm³) displacement, the TM-16 compressor has the largest displacement in the light transit segment today.

Its capacity at idle is virtually unmatched in the marketplace and has a proven track record of superior durability.



Features

- Six cylinder, balanced swash plate design offers low pulsation noise, quiet and smooth operation, less vibration and lower horsepower requirements
- Ball and shoe design promotes lubrication for better compressor durability
- Lip shaft seal assures excellent sealing integrity and extends compressor life
- Needle bearings ensure high durability for long life and high-speed operation
- Coated steel swash plate provides additional protection during liquid slugging, and high load conditions



Note: Dimensions in mm only.

Technical Data

Rotation	CW or CCW
Max speed	700 – 6000 rpm
Clutch coil	12 or 24 VDC
Displacement	10 in ³ (164 cm ³)
Number of pistons	6
Refrigerant	R134a
Pulleys	2A/6PK/8PK/10PK
Mounting	Ear or direct
Unloading steps	N/A
Oil charge	ZXL 6.6 fl.oz (180 cm ³)
Weight (with clutch)	15.7 lbs (7.1 kg)

Compressor Sanden SD-7

Combines durability and versatility

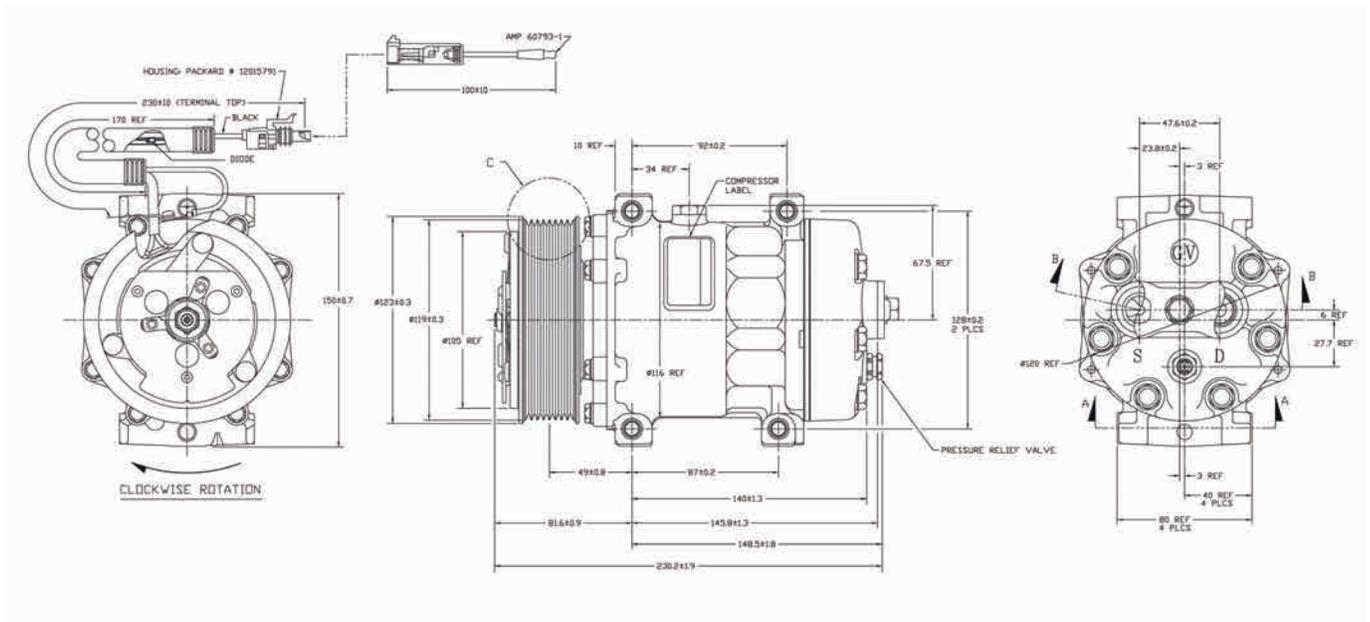
At 9.5 in³ (155 cm³) displacement the SD-7 series of compressors combine durability and versatility that enable them to service a wide range of mobile air conditioning ap-

plications, from passenger cars to buses and trucks to off-highway bulldozers.



Features

- Equipped with an all-new environmental intrusion package to prevent dust and other invasive materials from collecting on the clutch armature and from potential penetration to the clutch bearing and compressor shaft seal behind the clutch coil
- 7-cylinder design offers low pulsation, less vibration and lower horsepower requirements
- Exclusive crankcase design promotes superior lubrication for increased durability
- Shaft dual lip seal for greater leak prevention and extends compressor life
- Sanden pulley is machined from a single steel forging providing durability in high vibrating diesel applications
- Mounting ears are a continuous 14.3 mm for added strength



Technical Data

Rotation	CW
Max speed	700 – 6000 rpm
Clutch coil	12 or 24 VDC
Displacement	9.5 in ³ (155 cm ³)
Number of pistons	5
Refrigerant	R134a
Pulleys	2A/6PK/8PK/10PK
Mounting	Ear or direct
Unloading steps	N/A
Oil charge	PAG 6.8 fl.oz (200 cm ³)
Weight (with clutch)	16.8 lbs (7.6 kg)