

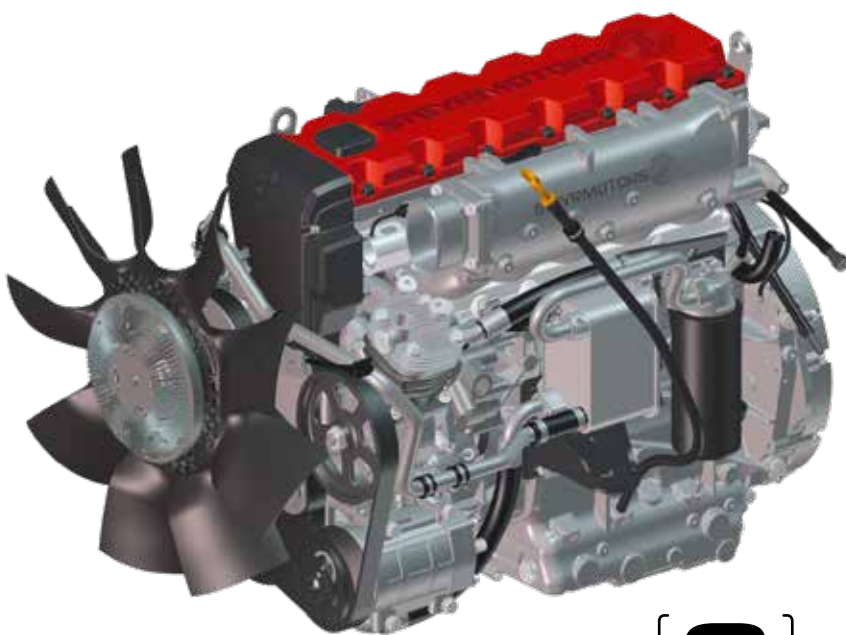
M16 TCI

135 kW, 160 kW

VEHICLE ENGINES

FACTS

- Rated power: 135-160 kW
- Torque: up to 500 Nm @ 2000 rpm
- Dry weight: 255 kg



The M16 UI is the star of our product portfolio due to its vast field of application and its well-developed concept facilitating adaptations to customize the unit injection engine for individual requirements. The 6-cylinder diesel engine is available in several basic models with a wide variety of engine components such as oil sumps, front-end accessory drives and transmission flanges.

MAIN FEATURES

- Monoblock design with excellent water cooling
- Turbocharged - single stage VTG intercooled
- Direct intercooling
- Standard operational range:
from -32°C to +49°C, extended operational range possible
- Released fuel types:
EN590, Jet A-1 (NATO code F-35) other fuel types on request
respectively according to customer specification
- Remarkable power to weight ratio, compact design
- High robustness and durability
- Outstanding performance in high altitudes



See more applications on our website or contact us for further references.

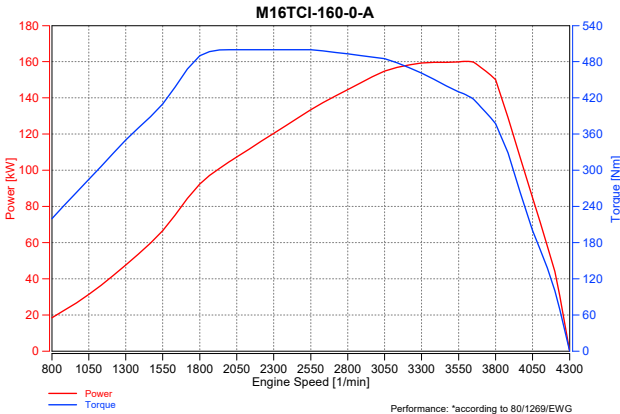
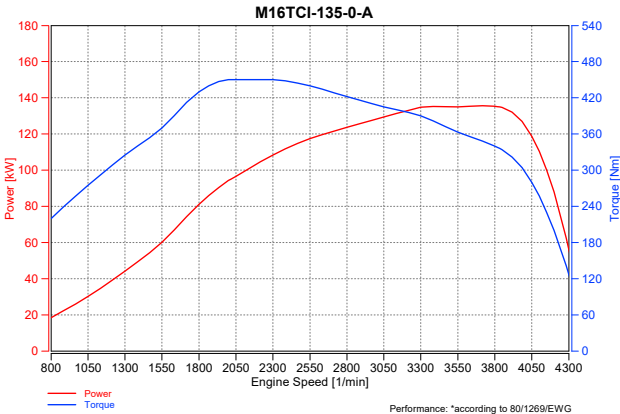
M16 TCI,
135 kW, 160 kW
SPECIFICATION

	M16 TCI – 135-0-A 135 KW MODEL	M16 TCI – 160-0-A 160 KW MODEL
COMBUSTION SYSTEM	Direct Injection Diesel	Direct Injection Diesel
DISPLACEMENT (LT)	3,2	3,2
BORE (MM)	85	85
STROKE (MM)	94	94
CHARGING SYSTEM	turbocharged - single stage VTG intercooled	turbocharged - single stage VTG intercooled
RATED POWER (KW/HP)*	135/184	160/218
RATED SPEED (RPM)	3800	3600
MAX. TORQUE (NM @ RPM)*	450 @ 2000	500 @ 2000
MIN. FUEL CONSUMPTION (G/KWH)*	205	205
DRY WEIGHT (KG)	255	255

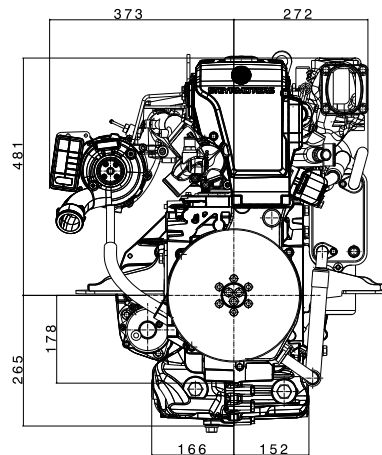
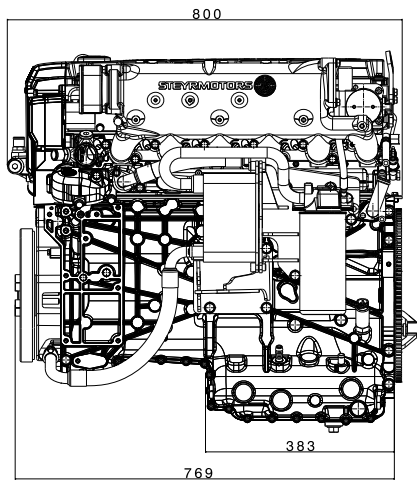
* based on Diesel EN 590

OVERALL CHARACTERISTICS

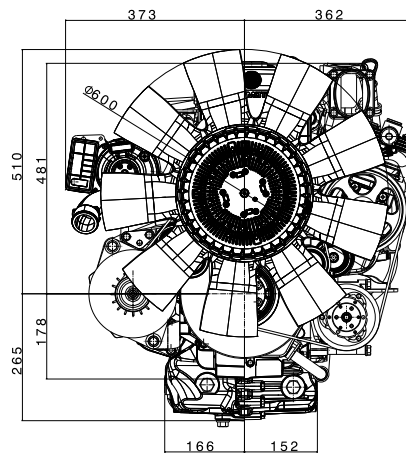
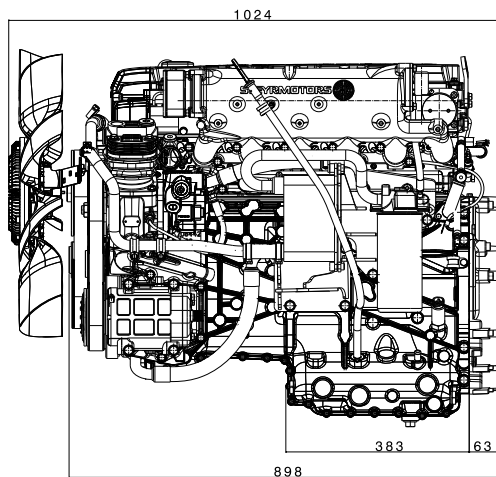
- ➔ 4-stroke, turbocharged
- ➔ 2 basic models, distinguished by power and torque
- ➔ Perfectly suited for customizing to your specific requirements



M16 TCI, 135 kW, 160 kW DIMENSIONS

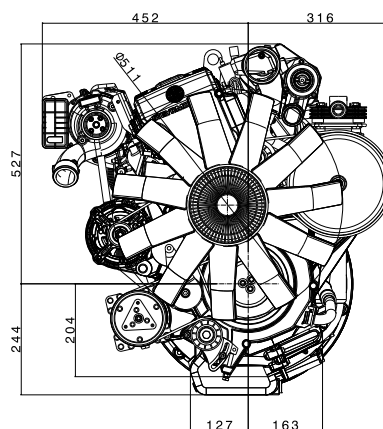
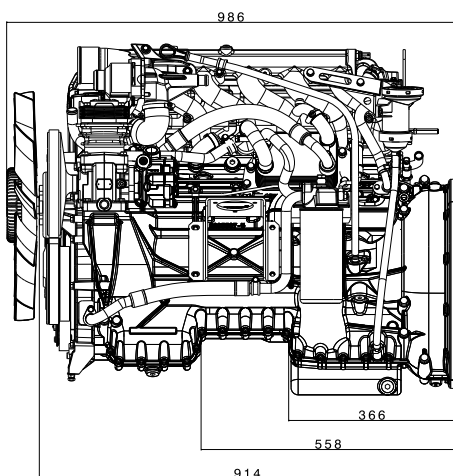


Standard base engine for vertical installation with full flexibility for customer specific FEAD and transmission interface.
Deep Fording and EMV mil.461-E upgrade potential.



Standard base engine for vertical installation with full equipped FEAD and transmission interface for ZF8HP90 or Allison S1000 / S2000 / S2500 series.
Deep Fording and EMC mil.461-E upgrade potential.

FEAD aggregates:
Alternator 28V-100A and 28 V-275A
air compressor 150 ccm 10 bar
hydr. pump 17cm³/rev 16l/min 183 bar
AC compressor 200 cm³
visco fan Ø600 (electric controlled)



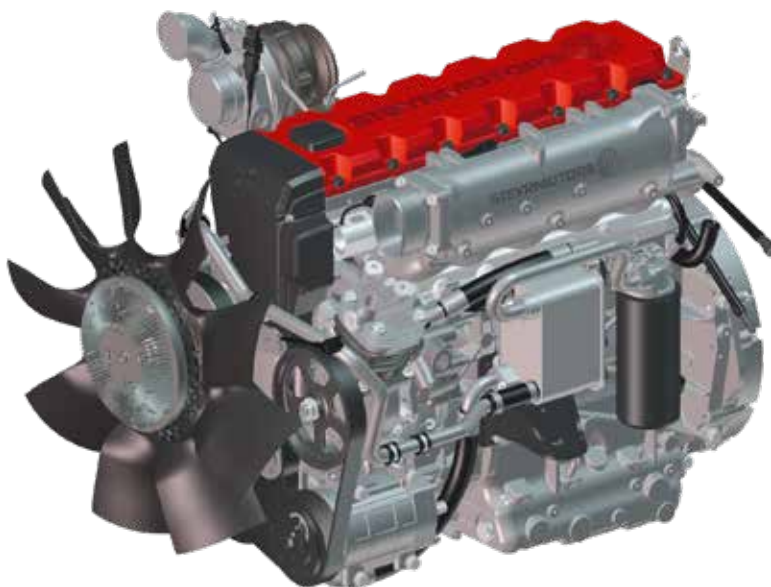
Standard base engine for 23° inclined installation with full equipped FEAD and transmission interface for Allison S1000 / S2000 / S2500 series.
Limited flexibility for FEAD aggregates and transmissions.

FEAD aggregates:
Alternator 28 V-100A
air compressor 150 ccm 10 bar
hydr. pump 17cm³/rev 16l/min 183 bar
AC compressor 155 cm³
visco fan Ø500

M16 TCI, 180 kW VEHICLE ENGINES

FACTS

- Rated power: 180 kW
- Torque: up to 550 Nm @ 1800 rpm
- Dry weight: 255 kg



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MAIN FEATURES

- Monoblock design with excellent water cooling
- Turbocharged - single stage VTG intercooled
- Direct intercooling
- Standard operational range:
from -32°C to +49°C, extended operational range possible
- Released fuel types:
EN590, Jet A-1 (NATO code F-35) other fuel types on request
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M16 TCI, 180 kW

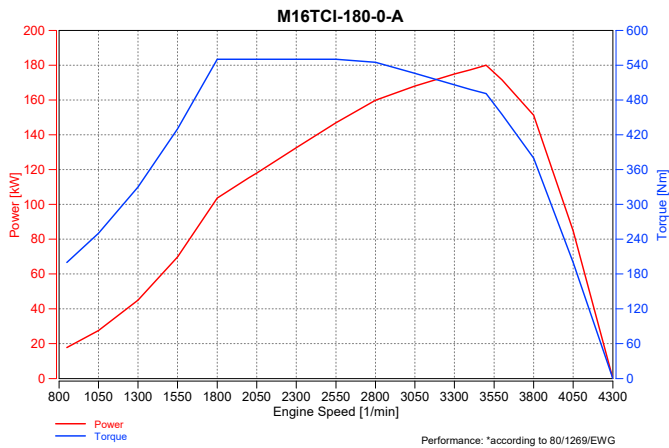
SPECIFICATION

	M16 TCI – 180-0-A 180 KW MODEL
COMBUSTION SYSTEM	Direct Injection Diesel
DISPLACEMENT (LT)	3,2
BORE (MM)	85
STROKE (MM)	94
CHARGING SYSTEM	turbocharged - single stage VTG intercooled
RATED POWER (KW/HP)*	180/245
RATED SPEED (RPM)	3500
MAX. TORQUE (NM @ RPM)*	550 @ 1800
MIN. FUEL CONSUMPTION (G/KWH)*	205
DRY WEIGHT (KG)	255

* based on Diesel EN 590

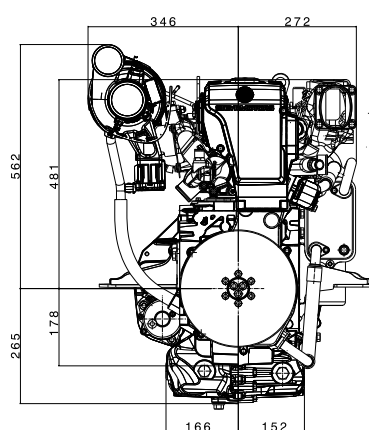
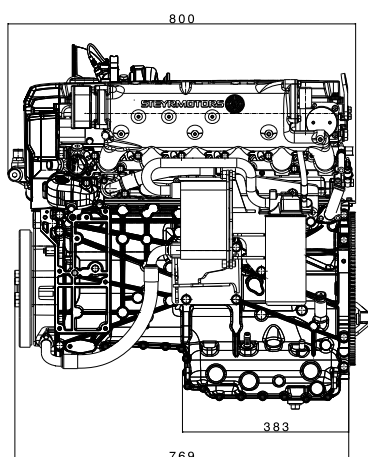
OVERALL CHARACTERISTICS

- ➔ 4-stroke, turbocharged
- ➔ Perfectly suited for customizing to your specific requirements

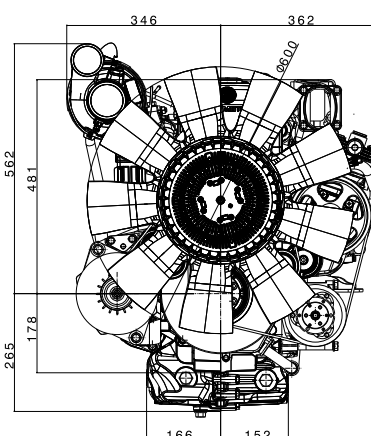
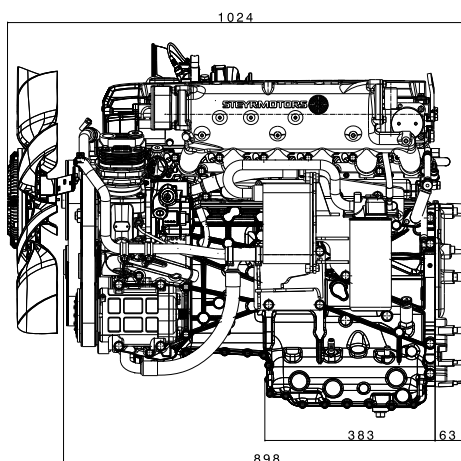


M16 TCI, 180 kW

DIMENSIONS

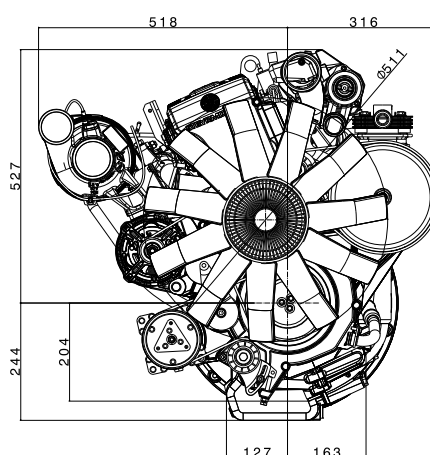
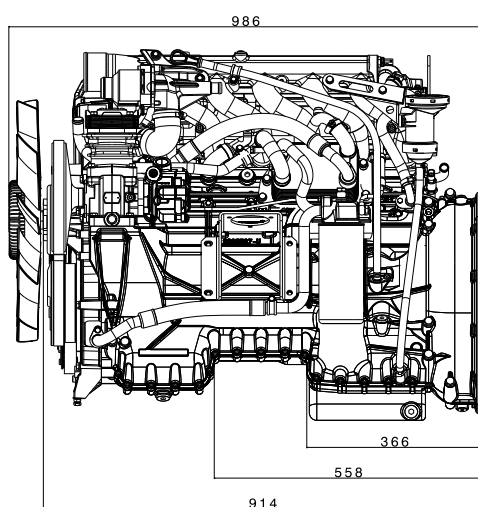


Standard base engine for vertical installation with full flexibility for customer specific FEAD and transmission interface. Deep Fording and EMV mil.461-E upgrade potential.



Standard base engine for vertical installation with full equipped FEAD and transmission interface for ZF8HP90 or Allison S1000 / S2000 / S2500 series. Deep Fording and EMC mil.461-E upgrade potential.

FEAD aggregates:
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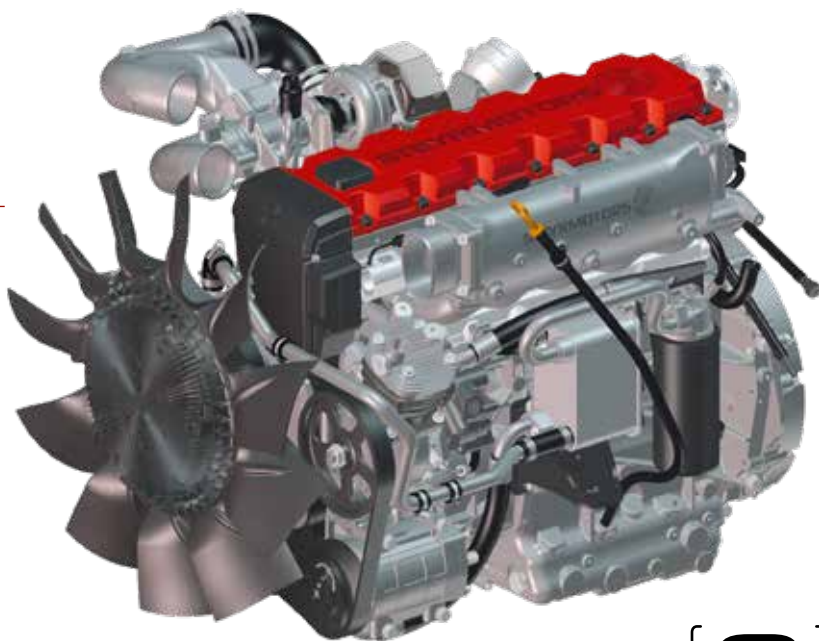
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 AC compressor 155 cm³
 visco fan Ø500

M16 SCI, 200 kW VEHICLE ENGINES

FACTS

- Rated power: 200 kW
- Torque: up to 610 Nm @ 1550 rpm
- Dry weight: 280 kg



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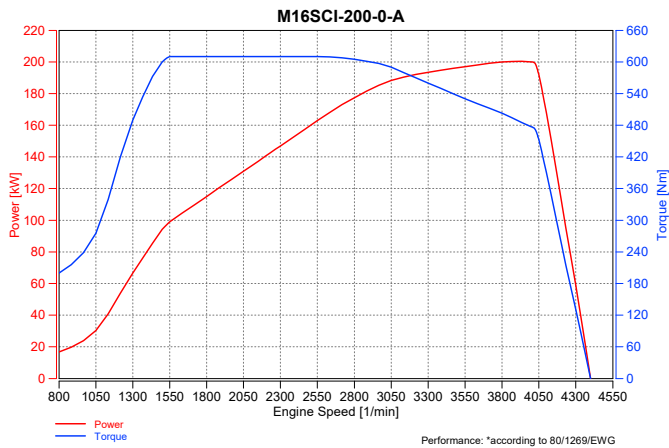
M16 SCI, 200 kW
SPECIFICATION

	M16 SCI – 200-0-A 200 KW MODEL
COMBUSTION SYSTEM	Direct Injection Diesel
DISPLACEMENT (LT)	3,2
BORE (MM)	85
STROKE (MM)	94
CHARGING SYSTEM	2-stage - sequentially charged intercooled
RATED POWER (KW/HP)*	200 / 272
RATED SPEED (RPM)	4000
MAX. TORQUE (NM @ RPM)*	610 @ 1550
MIN. FUEL CONSUMPTION (G/KWH)*	205
DRY WEIGHT (KG)	280

* based on Diesel EN 590

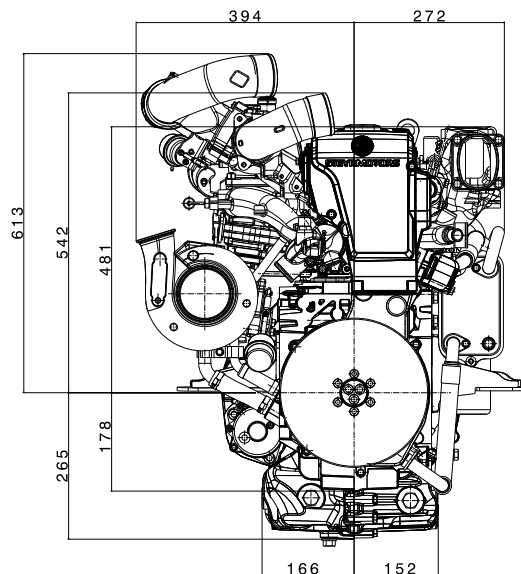
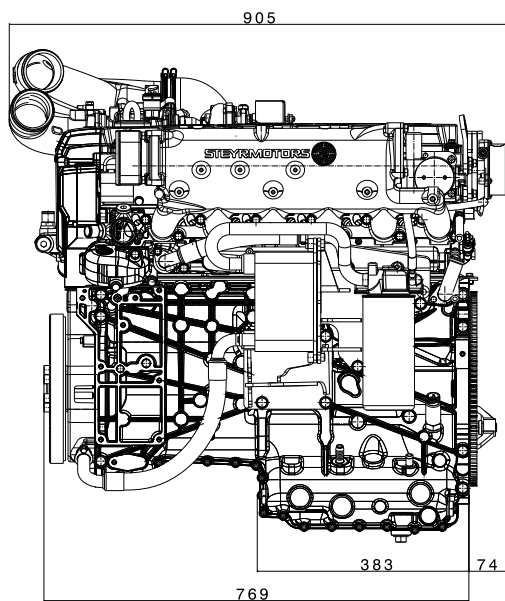
OVERALL CHARACTERISTICS

- 4-stroke, turbocharged
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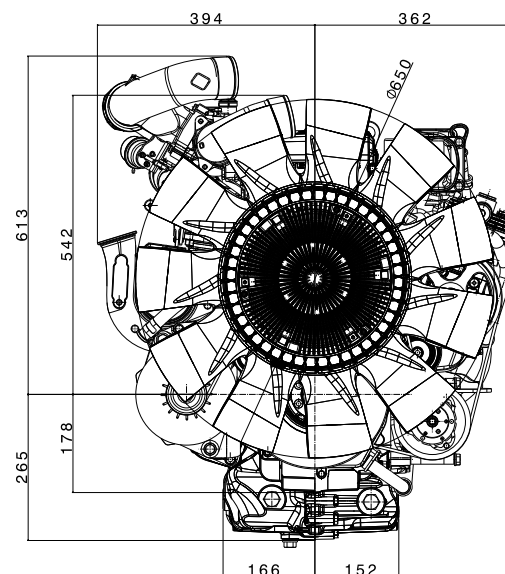
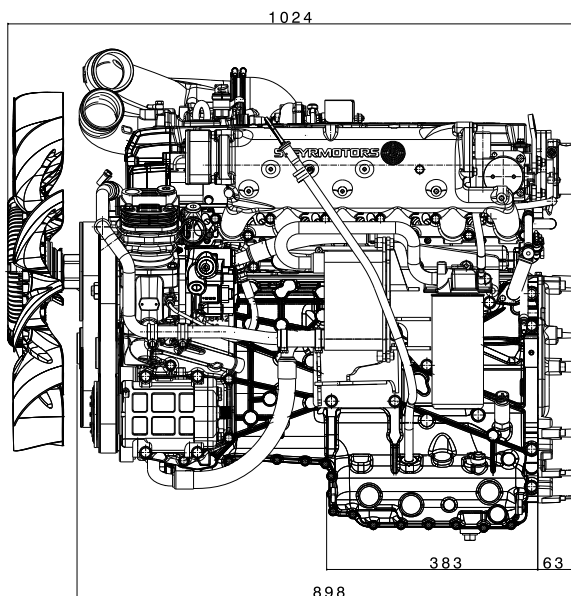


M16 SCI, 200 kW

DIMENSIONS



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VEHICLE ENGINES



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