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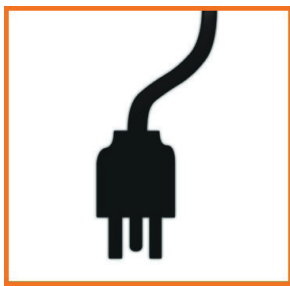
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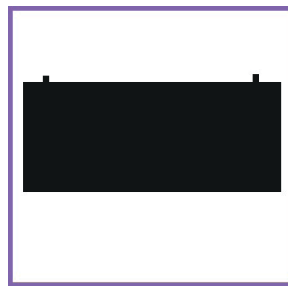
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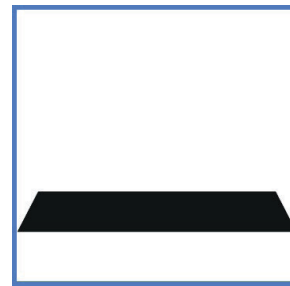
Electrically Operated



Stand with Wheels



Wall-Mounted



Mounted on Base



Mounted on Table Stand



Scan To Visit Website



New York State Contract



Green Technology



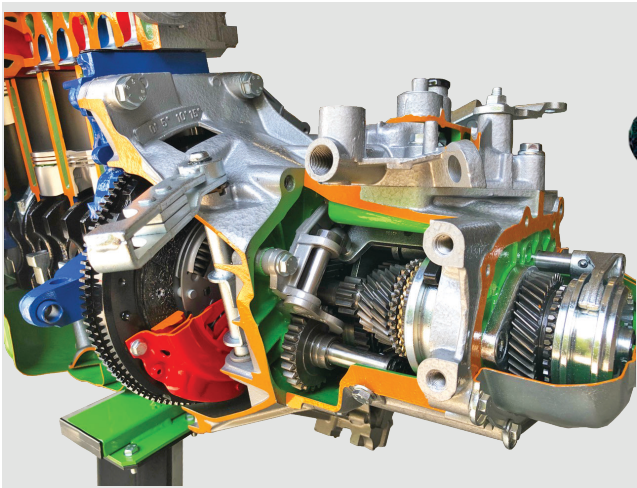
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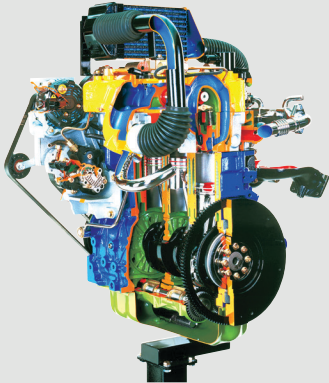
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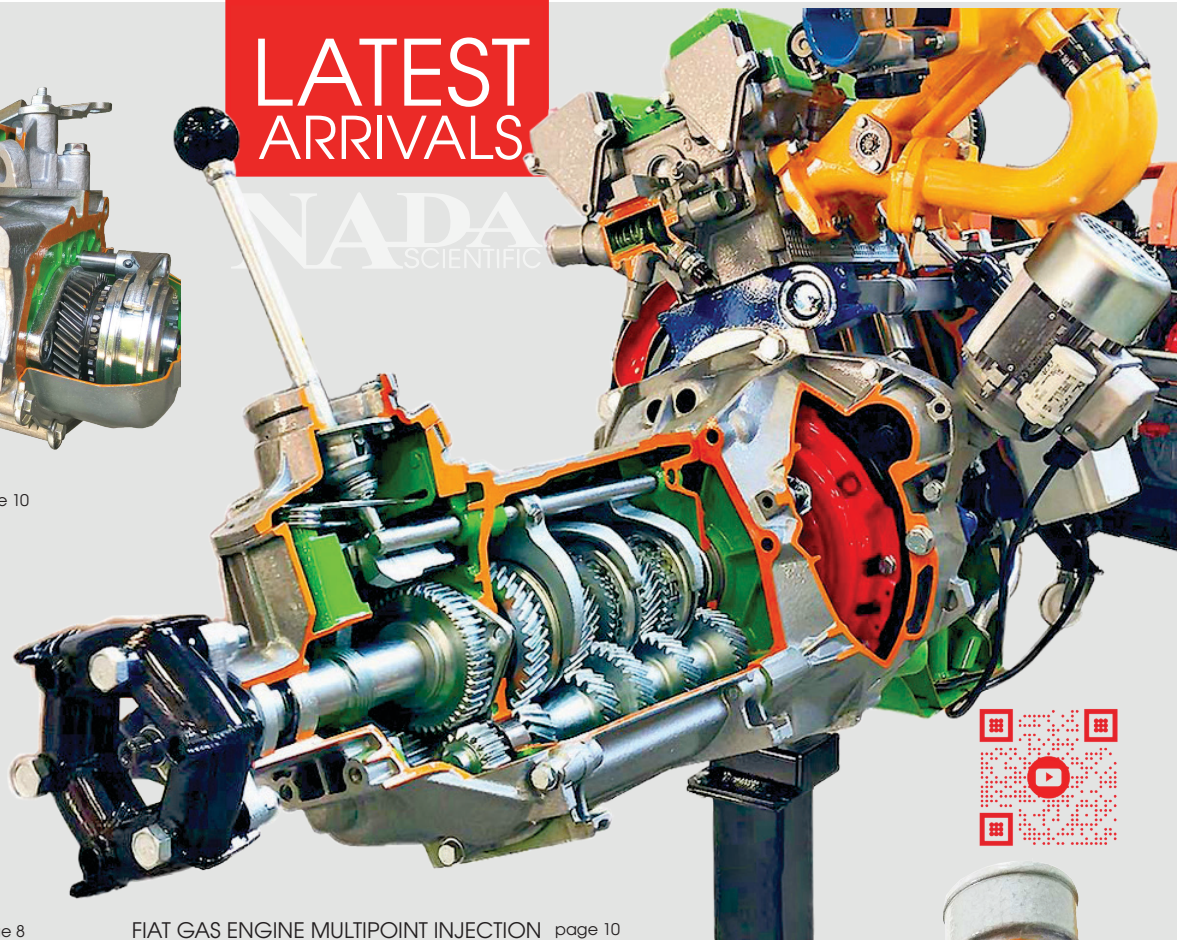
FIAT GAS ENGINE WITH EFI

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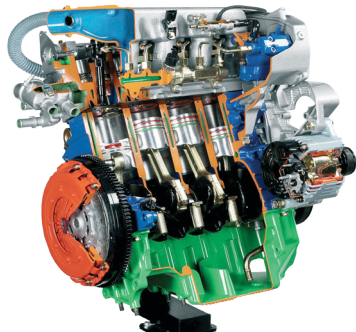
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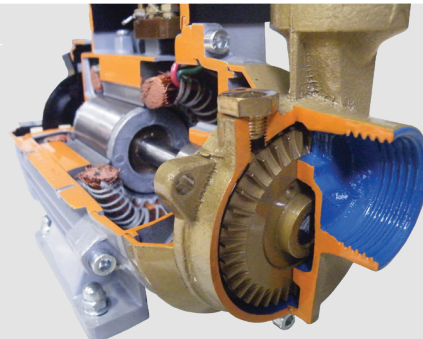
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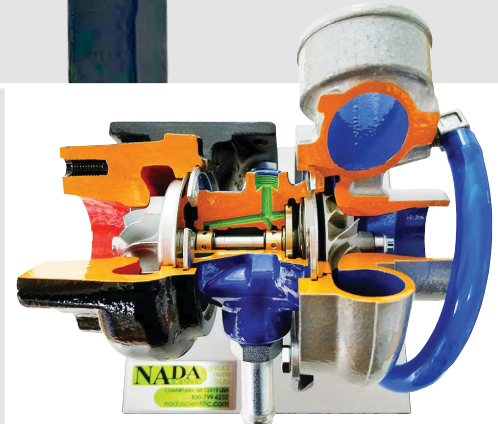
TURBO DIESEL ENGINE

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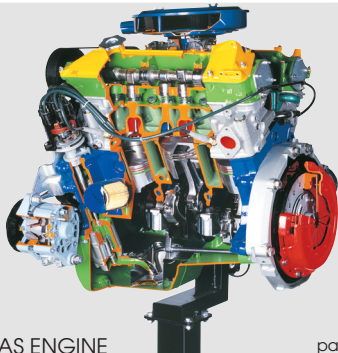
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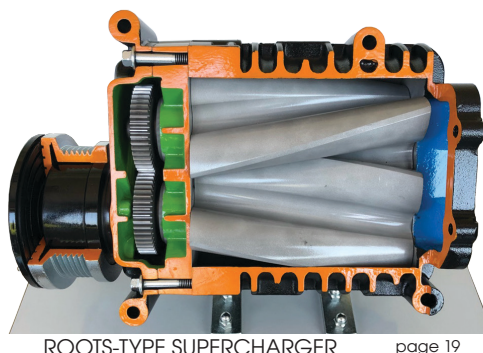
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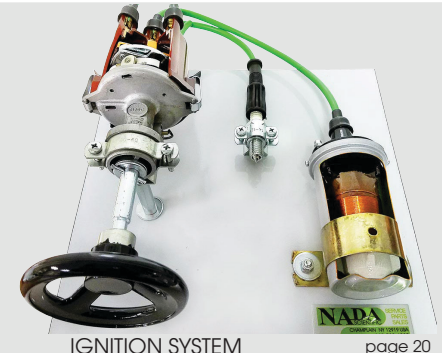
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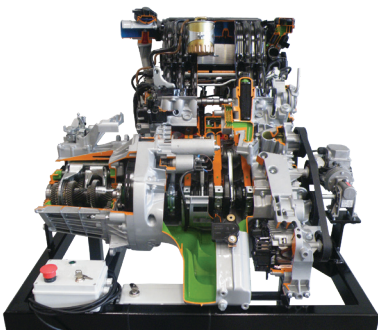
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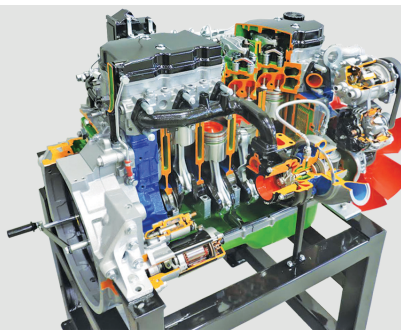
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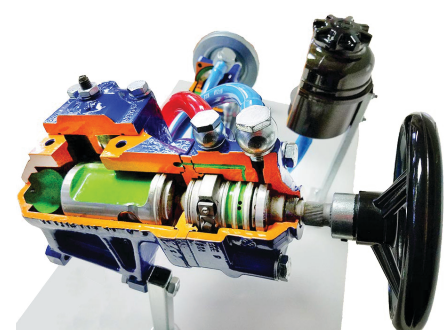
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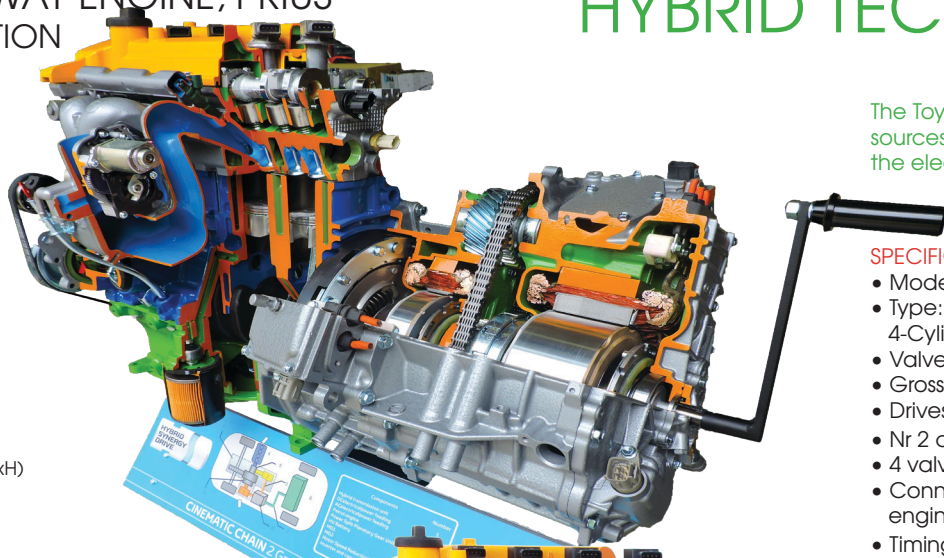


POWER STEERING

page 21

HYBRID CUT-AWAY ENGINE, PRIUS MANUAL OPERATION

N98-ND4500



WEIGHT & DIMENSIONS

140cm x 80cm x 130cm (LxWxH)

Net Weight: 180 kg

Gross Weight: 250 kg

HYBRID CUT-AWAY ENGINE, PRIUS ELECTRICAL OPERATION

N98-ND4501



SPECIFICATIONS

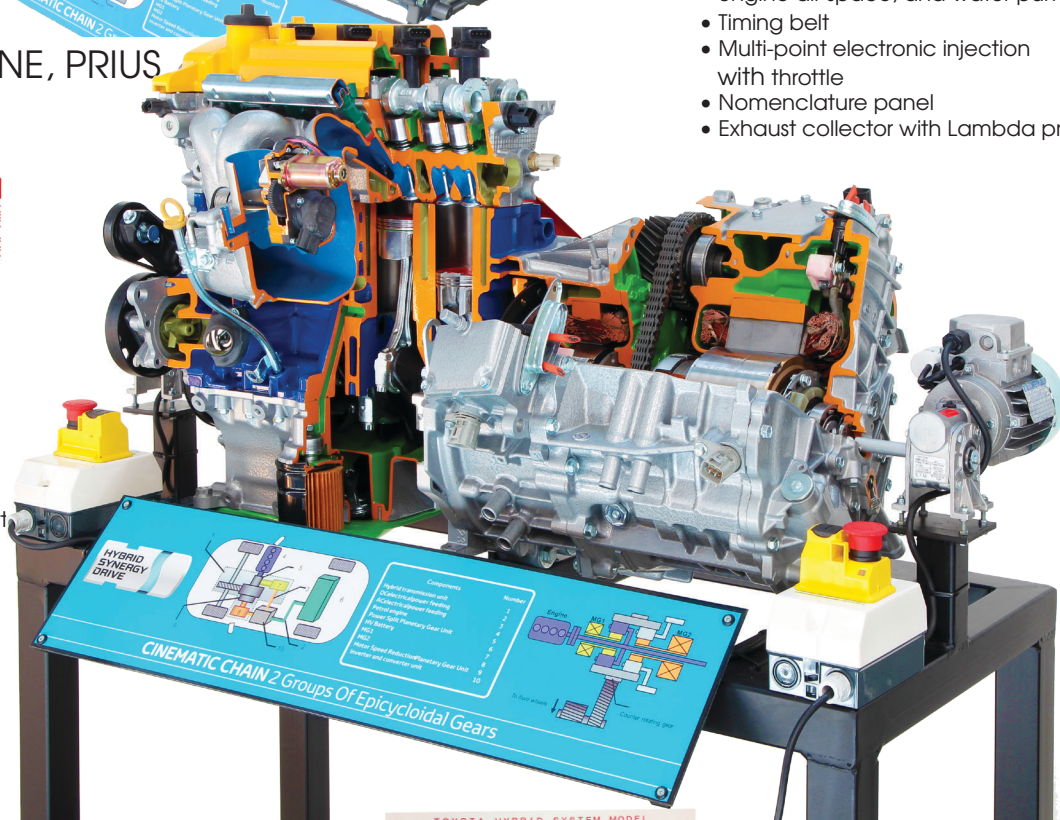
- 4-Cylinder engine
- Displacement: 1,500cc
- Dual Overhead Camshaft (DOHC)
- 4 valves per cylinder
- Roller chain
- VVT-I system (Variable Valve Timing with Intelligence) electronically controlled intake valves
- Multi-point electronic injection with throttle
- Electrical engine
- Epicyclic engine
- Generator
- Transmission belt (CVT)
- Nomenclature panel
- Differential group
- Exhaust manifold with Lambda probe

WEIGHT & DIMENSIONS

130cm x 90cm x 155cm (LxWxH)

Net Weight: 190 kg

Gross Weight: 300 kg

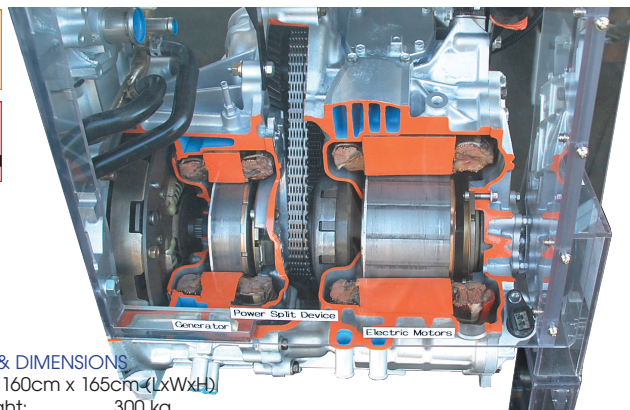
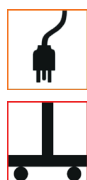


SPECIFICATIONS

- Model: 1NZ-FXE
- Type: Water cooled series, 4-Cylinder engine
- Valve: DOHC 16 Valves
- Gross displacement: 1,496cc
- Driveshaft with brushes
- Nr 2 camshaft with timing shifter(WT)
- 4 valves per cylinder
- Connecting rod, piston, cooling engine air space, and water pump
- Timing belt
- Multi-point electronic injection with throttle
- Nomenclature panel
- Exhaust collector with Lambda probe

HYBRID CUT-AWAY TRAINER, PRIUS ELECTRICAL OPERATION

N98-C450-HYB

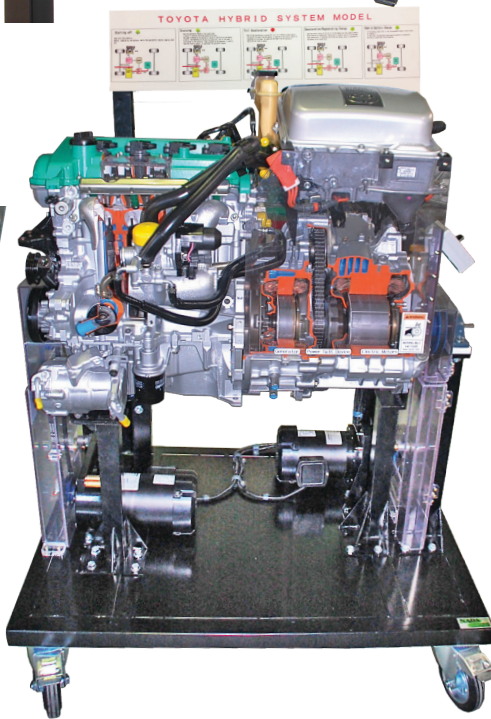


WEIGHT & DIMENSIONS

155cm x 160cm x 165cm (LxWxH)

Net Weight: 300 kg

Gross Weight: 470 kg



SPECIFICATIONS

- Model: 1NZ-FXE
- Type: Water cooled series 4-Cylinder engine
- Valve: DOHC 16 valves
- Gross displacement: 1,496cc
- Plexi-Glass Safety Shield Included
- MOTORS:**
- 3CM AC synchronous motor
- Permanent magnet synchronous motor
- MAX OUTPUT:**
- Engine: 77PS / 5,000 rpm
- Motor: 68PS / 1,200 ~ 1,540 rpm
- MAX TORQUE:**
- Engine: 11.7kg-m / 4,200 rpm
- Motor: 40.8 kg-m / 0 ~ 1,200 rpm
- * Made in Japan

BIODIESEL RUNNING ENGINE

N98-BIODIESEL-R

WITH MULTIGAS ANALYZER

N98-BIODIESEL-MGA

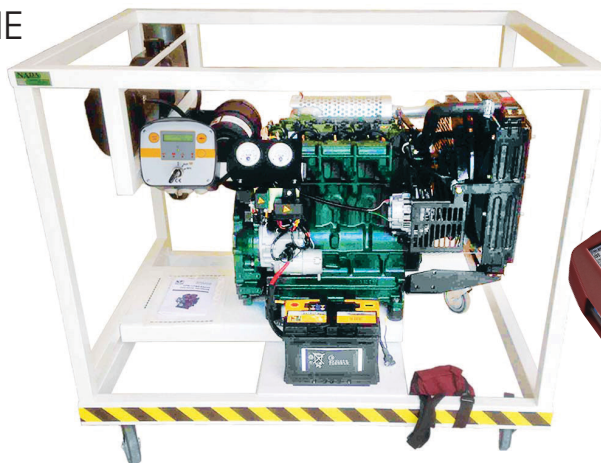


WEIGHT & DIMENSIONS

155cm x 105cm x 140cm (LxWxH)

Net Weight: 330 kg

Gross Weight: 456 kg



ENGINE CHARACTERISTICS

- New agricultural engine
- Fuel by pure biodiesel (B100)
- 4-Cylinder Engine, 1,860cc
- Fixed speed motor, 1,550/1,800 rpm
- Indirect injection
- Water cooling
- Naturally aspirated

NEW DIGITAL CONTROL PANEL **MultiGas Analyzer**

For emission monitoring of combustion and industrial processes.



GAS/LPG MULTIPOINTS FIAT ENGINE ELECTRONIC INJECTION

N98-ND4300



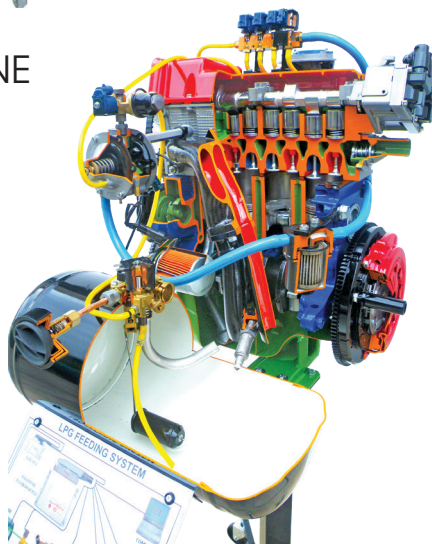
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WEIGHT & DIMENSIONS

70cm x 80cm x 95cm (LxWxH)

Net Weight: 86 kg

Gross Weight: 120 kg



SPECIFICATIONS

- 4-Cylinder engine
- Displacement: 1,245cc
- Overhead camshaft (OHC)
- Electronic injection and ignition

GAS SYSTEM

- Electro-Injectors
- Throttle Body
- Rail
- Sensors / Phonic Wheel
- Lambda Probe

LPG SYSTEM

- Genius Reducer
- LPG Electro-valve
- LPG Tank with Float Device
- Charge Socket
- Rail and LPG Electro-Injectors

OVERHEAD VALVE ENGINE WITH TIMING CHAIN

N98-ND5450

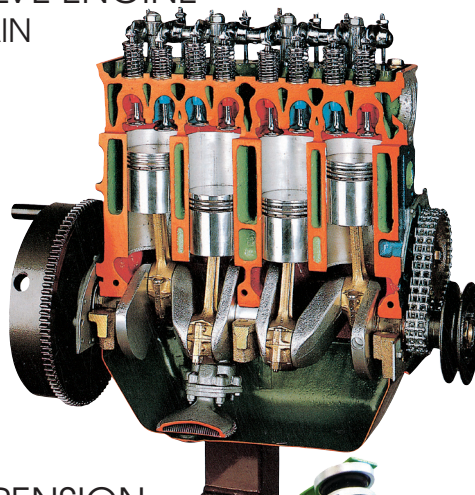


WEIGHT & DIMENSIONS

70cm x 60cm x 80cm (LxWxH)

Net Weight: 60 kg

Gross Weight: 110 kg



OVERHEAD CAMSHAFT ENGINE WITH TOOTHED TIMING BELT

N98-ND5440



SPECIFICATIONS

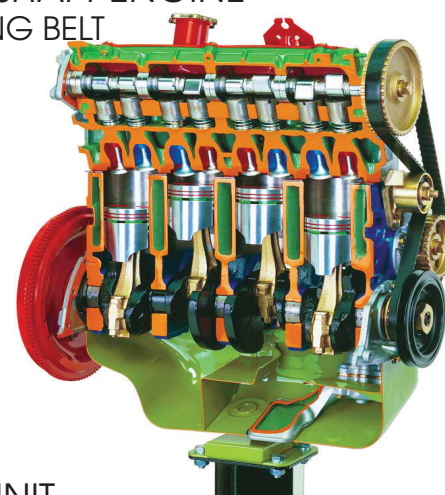
- 4-Stroke engine, Inline-4
- Overhead camshaft
- Toothed timing belt
- Operates manually by hand crank

WEIGHT & DIMENSIONS

70cm x 60cm x 80cm (LxWxH)

Net Weight: 60 kg

Gross Weight: 110 kg



MULTI-LINK SUSPENSION

N98-ND11206



SPECIFICATIONS

- Used on Mercedes Cars
- Spherical/ball joint for each arm

WEIGHT & DIMENSIONS

170cm x 75cm x 100cm (LxWxH)

Net Weight: 84 kg

Gross Weight: 150 kg



FRONT CHASSIS UNIT

N98-ND11202



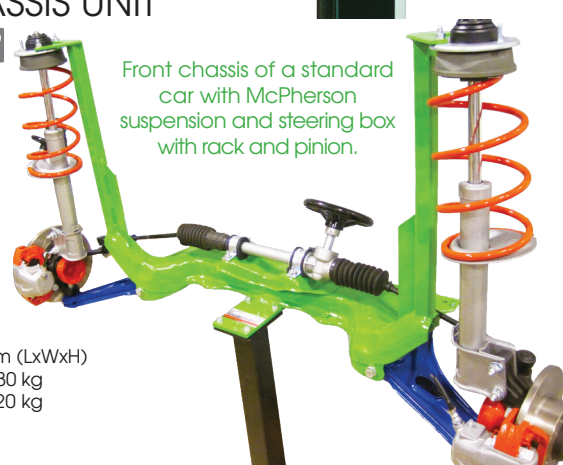
Front chassis of a standard car with McPherson suspension and steering box with rack and pinion.

WEIGHT & DIMENSIONS

100cm x 155cm x 130cm (LxWxH)

Net Weight: 80 kg

Gross Weight: 120 kg



GAS MULTIPOINTS ENGINE CHASSIS WITH ABS AND HYDRAULIC POWER STEERING

N98-ND5272

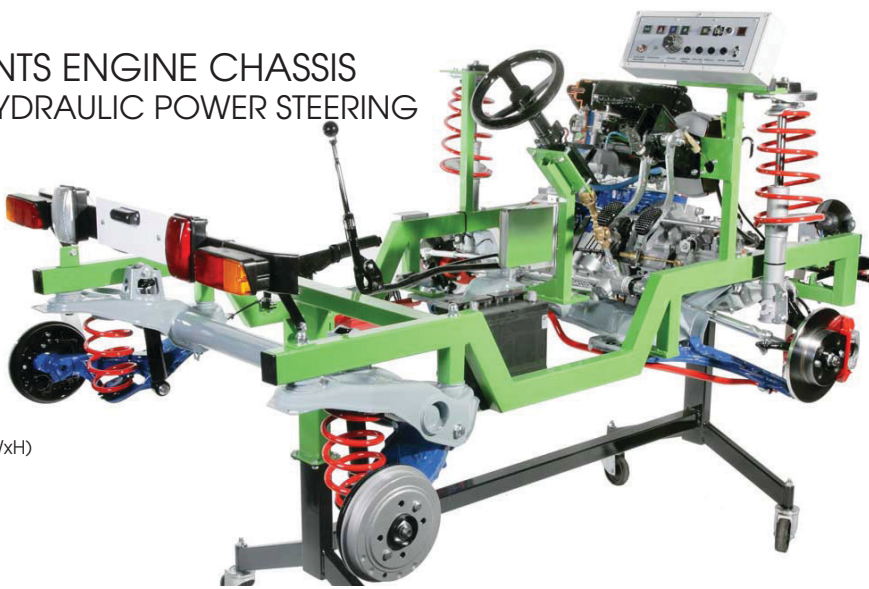


WEIGHT & DIMENSIONS

220cm x 160cm x 115cm (LxWxH)

Net Weight: 340 kg

Gross Weight: 490 kg



ELECTRIC POWER-ASSISTED STEERING WITH SUSPENSION

N98-ND10778



WEIGHT & DIMENSIONS

160cm x 130cm x 150cm (LxWxH)

Net Weight: 170 kg

Gross Weight: 270 kg



AUTOMOTIVE A/C SYSTEM

N98-ND9130



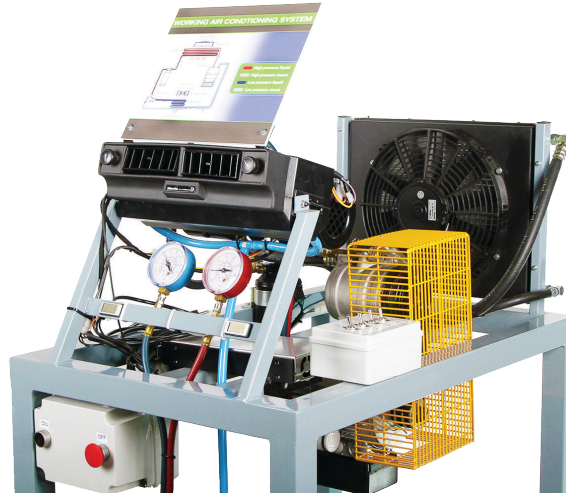
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WEIGHT & DIMENSIONS

105cm x 75cm x 130cm (LxWxH)

Net Weight: 70 kg

Gross Weight: 120 kg



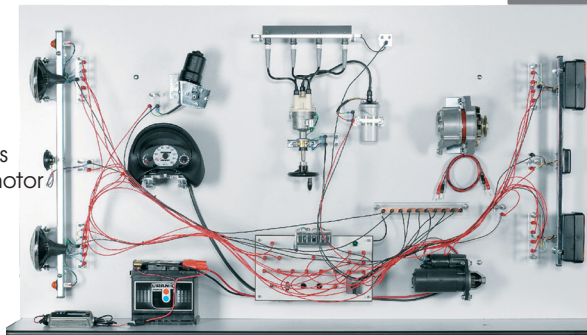
WIRING SYSTEM TRAINER ELECTRONIC IGNITION

N98-ND9991



SPECIFICATIONS

- Front and rear lights
- Windshield wiper motor
- Turn indicators
- Instrument panel
- Battery
- Battery ignition
- Spark Plugs
- Fuse Box
- Alternator
- Wires with red and black couplings



WEIGHT & DIMENSIONS

195cm x 55cm x 205cm (LxWxH)

Net Weight: 100 kg

Gross Weight: 210 kg

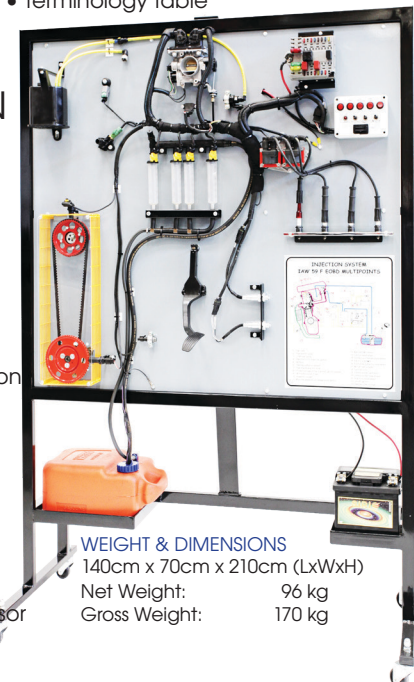
ELECTRONIC INJECTION MULTIPOINTS SYSTEM PANEL

N98-ND9900



SPECIFICATIONS

- Fuel electro-pump
- Inlet fuel piping
- Electronic ECU injection-ignition
- Feeding contractor system
- Fuel steams electro-valve
- Protection fuse
- Activated carbon filter
- Diagnostic socket
- Absolute pressure
- Temperature sensor
- Ignition spark plugs
- Positioning butterfly valve sensor



WEIGHT & DIMENSIONS

140cm x 70cm x 210cm (LxWxH)

Net Weight: 96 kg

Gross Weight: 170 kg

TRAINERS

SPECIFICATIONS

- Front chassis with front-wheel drive (transversally mounted engine)
- Gasoline powered 4-Cylinder engine
- Displacement: 1,200cc complete of all accessories
- Electronic Injection MPI (Multi points)
- Catalytic Converter with O2 (Lambda Sensor)
- Manual Transmission: 5 forward speeds + reverse + differential
- Hydraulic power steering with double jointed steering column
- 4 Sensor ABS brake system
- Radiator with electric fan
- Front disc & rear drum brakes
- Independent front wheel McPherson suspension with oscillating arms
- Working front and rear lighting system controlled by a dashboard

SPECIFICATIONS

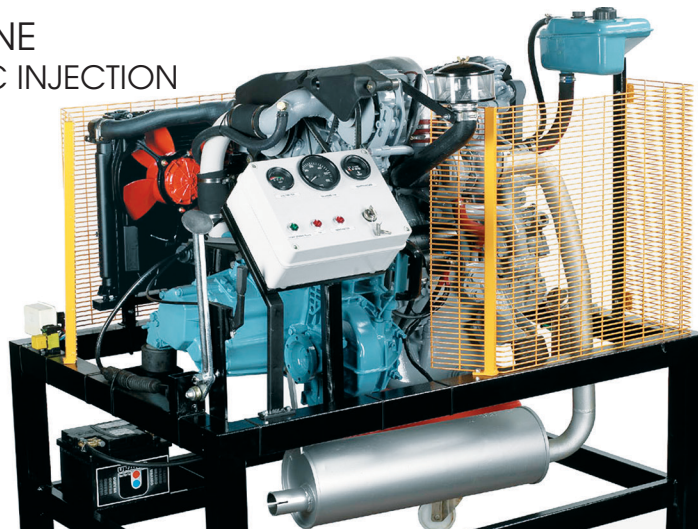
- Operating McPherson struts, rack and pinion
- Adjustment of the steering effort directly on the rack
- Vehicle speed simulation from 0 to 120 km/h
- Normal/city push-button
- Alternator simulation
- Indicator lamp and voltage/current display
- Body computer with diagnostic socket (with low speed CAN)

SPECIFICATIONS

- Maximum power: 2 kw
- Piston compressor
- Condenser
- Dehydrating filter
- Pressure switch
- Expansion valve
- Evaporation unit
- Resistor
- Thermostat
- Troubleshooting device for simulation of 4 faults
- Terminology table

GAS RUNNING ENGINE MULTIPOINT ELECTRONIC INJECTION

N98-ND9005



WEIGHT & DIMENSIONS

115cm x 120cm x 140cm (LxWxH)

Net Weight: 250 kg

Gross Weight: 330 kg

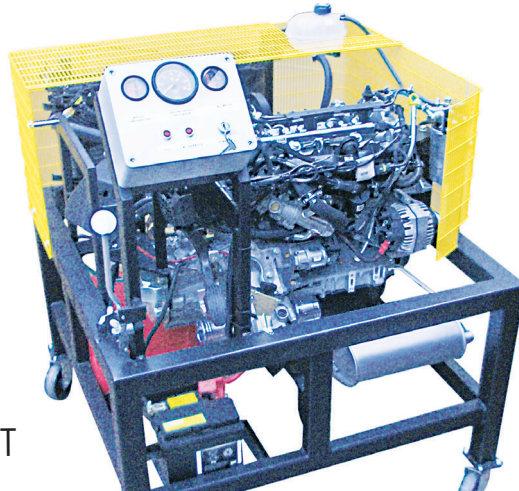
SPECIFICATIONS

- 4-Cylinder FIAT Engine
- 2 valves per Cylinder
- Overhead camshaft
- Electronic ignition
- Displacement: 1,300cc
- Gearbox: 5 forward speeds + reverse
- Diagnostic connector
- OBD2 socket connection
- Mounted on a stand with wheels
- Includes anti-vibration rubber caps



DIESEL RUNNING ENGINE COMMON RAIL

N98-ND9095



WEIGHT & DIMENSIONS

120cm x 130cm x 140cm (LxWxH)

Net Weight: 350 kg

Gross Weight: 450 kg

SPECIFICATIONS

- 4-Cylinder FIAT Engine
- 2 valves per cylinder
- Overhead camshaft
- Turbo-compressor
- Displacement: 1,900cc
- Gearbox: 5 forward speeds + reverse
- Diagnostics socket
- OBD2 socket connection
- On Request: Multi-jet, 1300 cc, DOHC, 4 valves per cylinder
- Mounted on a stand with wheels
- Includes anti-vibration rubber caps

HYDRAULIC DOUBLE CIRCUIT BRAKE SYSTEM SIMULATOR

N98-ND12275



WEIGHT & DIMENSIONS

120cm x 160cm x 154cm (LxWxH)

Net Weight: 270 kg

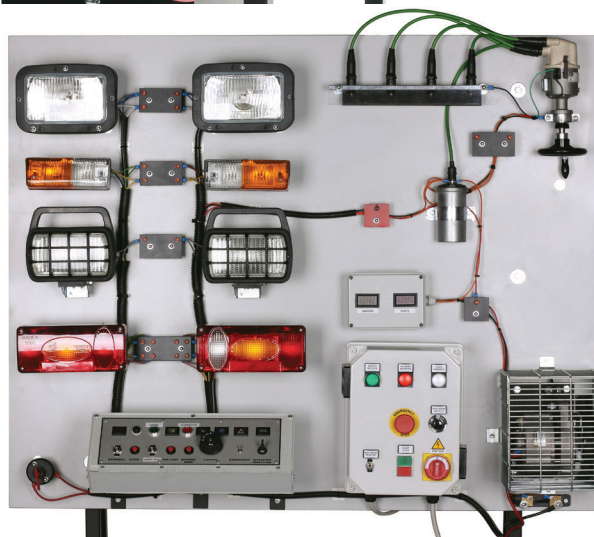
Gross Weight: 400 kg

SPECIFICATIONS

- 2 Disk brakes connected to a constant-velocity joint
- 2 Drum brakes connected to axle shafts
- Double circuit hydraulic brake pump with tank
- De-pressure servo brake with pedal
- Hand brake lever connected to rear drums
- Hydraulic diverter to reverse the spin direction
- Hydraulic ECU connected to a hydraulic engine in order to transmit the motion to the wheels
- A range of manometers to measure the various pressures
- A range of taps to simulate circuit interruptions
- Vacuum pump for servo brakes
- Simulate front and rear circuit failures
- Simulate the presence of water in the system
- Electronic three phase 120V engine

ELECTRIC PANEL FOR LIGHTING WITH ALTERNATOR

N98-ND9992



WEIGHT & DIMENSIONS

130cm x 100cm x 206cm (LxWxH)

Net Weight: 110 kg

Gross Weight: 150 kg

SPECIFICATIONS

- Daytime Running Lights
- Low Beams
- High Beams
- Signal Lights
- Rear Fog Lights
- Brake Lights
- Reverse Lights
- Work Lights
- Relays
- Dashboard with Lights
- Four Spark Plugs
- High Tension Coil
- Electronic Distributor
- Battery with Isolator
- Functioning Alternator with Variable Speed Electric Engine
- Voltmeter
- Ampere Meter
- Pin Outs for Tension Values of Each Component

DIESEL COMMON RAIL

N98-ND10300

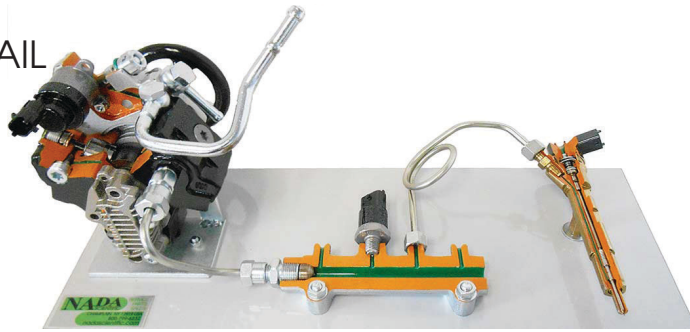


WEIGHT & DIMENSIONS

60cm x 20cm x 30cm (LxWxH)

Net Weight: 14 kg

Gross Weight: 16 kg



DIESEL

This model offers a detailed cross-section of a manually operated high pressure (1,600 bar) Diesel Common Rail. Examine the radial piston pressure pump, the delivery manifold, and the electro-injector that are all connected with high pressure hoses.

DIESEL ELECTRO-INJECTOR SOLENOID VALVE

N98-ND10305



WEIGHT & DIMENSIONS

25cm x 10cm x 10cm (LxWxH)

Net Weight: 0.5 kg

Gross Weight: 1 kg



MERCEDES A-CLASS

TURBO DIESEL ENGINE, COMMON RAIL

N98-ND6078

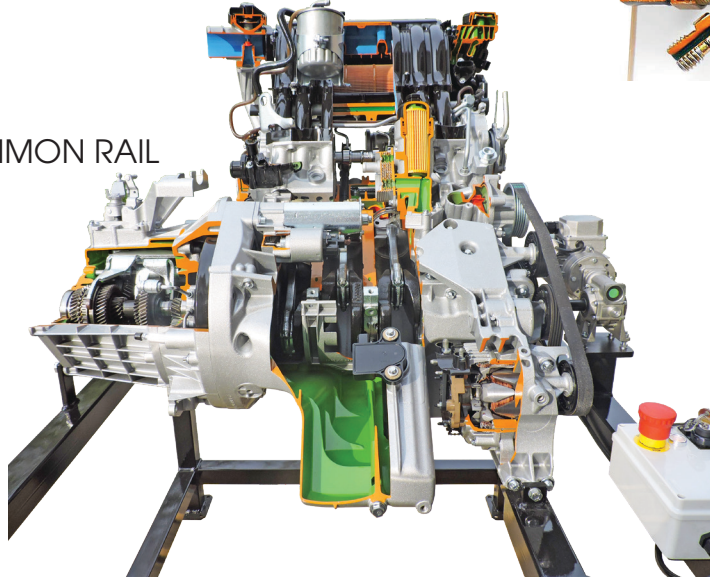


WEIGHT & DIMENSIONS

119cm x 113cm x 120cm (LxWxH)

Net Weight: 150 kg

Gross Weight: 230 kg



SPECIFICATIONS

- Daimler-Chrysler A-Class Mercedes Common Rail Turbo Diesel Engine
- 4-Stroke, Inline-4
- Displacement: 1,700cc
- Double overhead camshaft (DOHC) 16 valves
- Timing chain
- Turbo Diesel Common Rail
- Oil pump - water cooling
- Air filter with box
- Intake manifold
- Air mass flow sensor
- Starter motor, alternator
- Gearbox 5 speeds + reverse, clutch
- Operates electrically at 120V
- Mounted on a stand with wheels

DIESEL ENGINE, FWD

WITH CLUTCH & GEAR

N98-ND6068

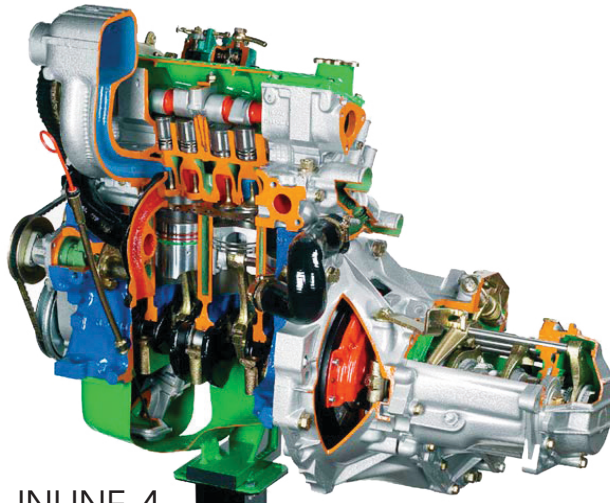


WEIGHT & DIMENSIONS

130cm x 86cm x 100cm (LxWxH)

Net Weight: 140 kg

Gross Weight: 200 kg



SPECIFICATIONS

- 4-Stroke engine, Inline-4
- Displacement: 1,300cc
- Indirect injection
- Turbocharged
- VE Bosch type rotary injection pump
- Overhead Camshaft (OHC)
- Distribution through a toothed belt
- Alternator
- Thermostatic valve
- Power 45 HP
- Gearbox: 5 forward speeds + reverse + differential
- Single-plate clutch with diaphragm
- Water cooling
- Operates electrically at 120V
- Mounted on stand with wheels

TURBO DIESEL TRUCK ENGINE, INLINE-4

WITH TURBOSUPERCHARGER

N98-ND6020

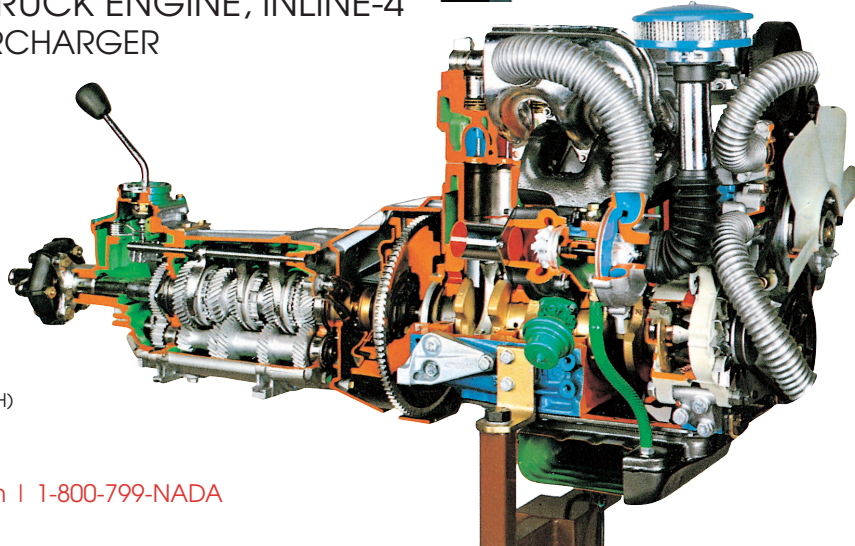


WEIGHT & DIMENSIONS

85cm x 160cm x 100cm (LxWxH)

Net Weight: 220 kg

Gross Weight: 280 kg

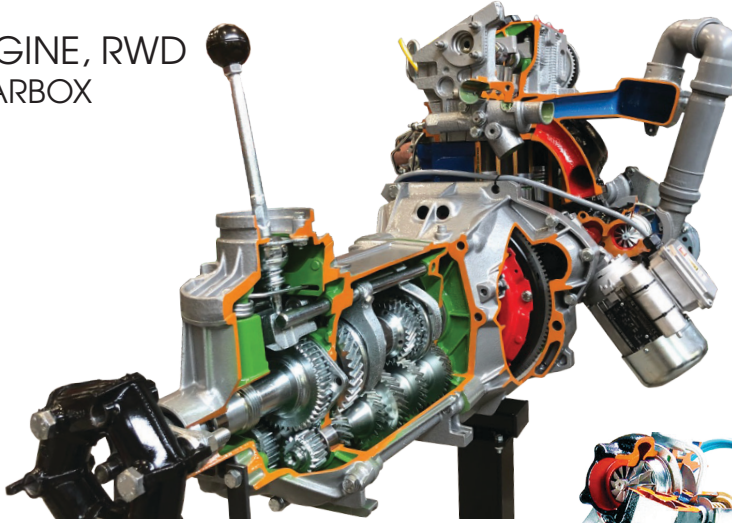


SPECIFICATIONS

- 4-Stroke engine, Inline-4
- Displacement: 2,500cc
- Indirect injection
- VE Bosch type rotary injection pump
- Overhead camshaft (OHC)
- Distribution through a toothed belt
- Alternator
- Thermostatic valve
- Gearbox: 5 forward speeds + reverse
- Water cooling
- Operates electrically at 120V
- Mounted on stand with wheels

TURBO DIESEL ENGINE, RWD WITH CLUTCH & GEARBOX

N98-ND6070



WEIGHT & DIMENSIONS

160cm x 60cm x 100cm (LxWxH)

Net Weight: 150 kg

Gross Weight: 210 kg

SPECIFICATIONS

- 4-Stroke engine, Inline-4
- Displacement: 1,300/1,700cc
- Indirect injection
- Turbocharged
- VE Bosch type rotary injection pump
- Overhead Camshaft (OHC)
- Distribution through a toothed belt
- Alternator
- Thermostatic valve
- Gearbox: 4 forward speeds + reverse
- Single-plate clutch with diaphragm
- Water cooling
- Operates electrically at 120V
- Mounted on stand with wheels

TURBO DIESEL TRUCK ENGINE WITH DIRECT FUEL INJECTION

N98-ND6075

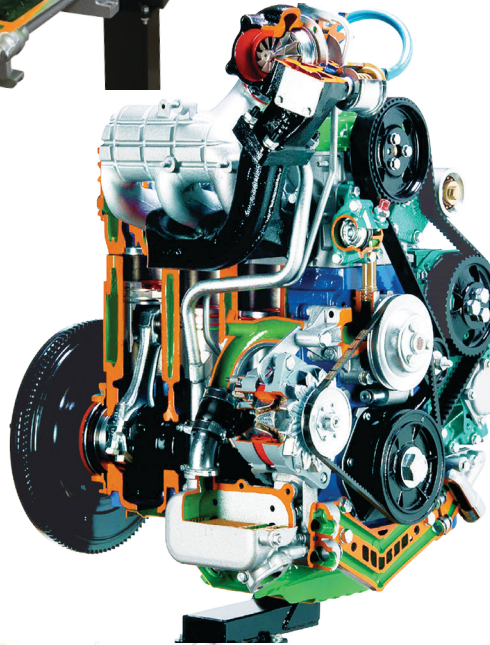


WEIGHT & DIMENSIONS

100cm x 90cm x 120cm (LxWxH)

Net Weight: 200 kg

Gross Weight: 260 kg



SPECIFICATIONS

- 4-Stroke engine, Inline-4
- Displacement: 2,500cc
- Turbocharged
- VE Bosch type rotary injection pump
- Overhead Camshaft (OHC)
- Distribution through a toothed belt
- Alternator
- Thermostatic valve
- Intercooler water-oil
- Water cooling
- Operates electrically at 120V
- Mounted on stand with wheels

TURBO DIESEL V8 TRUCK ENGINE WITH DIRECT INJECTION

N98-ND6084

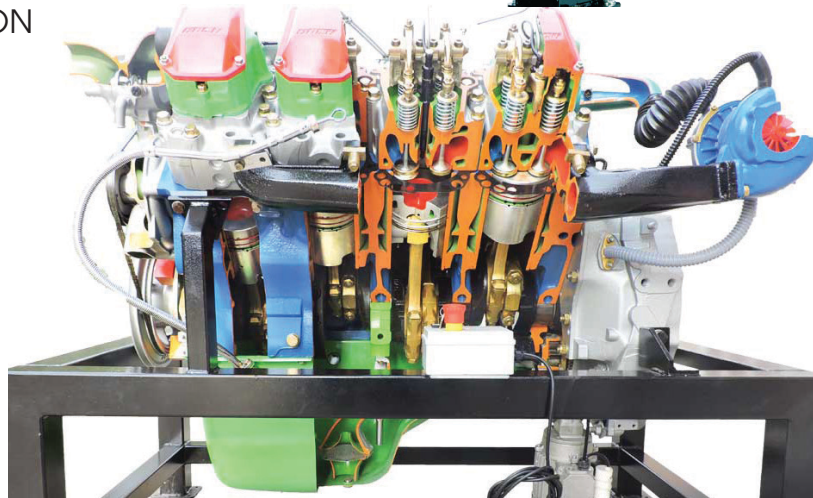


WEIGHT & DIMENSIONS

185cm x 120cm x 150cm (LxWxH)

Net Weight: 1100 kg

Gross Weight: 1400 kg



SPECIFICATIONS

- 4-Stroke, V8 Engine
- Displacement: 17,200cc
- Power: 380 hp
- Direct injection
- Water/oil Intercooler
- 4 valves per cylinder
- Camshaft in the crankcase
- 2 Turbochargers
- Geared distribution
- Operates electrically at 120V
- Mounted on stand with wheels

DIESEL TRUCK ENGINE WITH INJECTOR PUMPS, INLINE-6

N98-ND6083

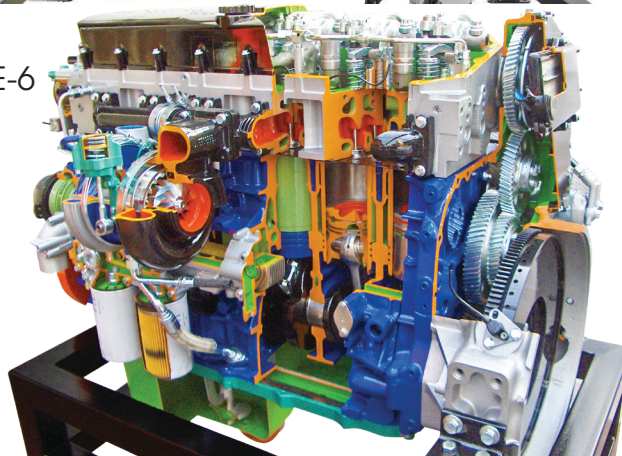


WEIGHT & DIMENSIONS

200cm x 105cm x 150cm (LxWxH)

Net Weight: 950 kg

Gross Weight: 1200 kg

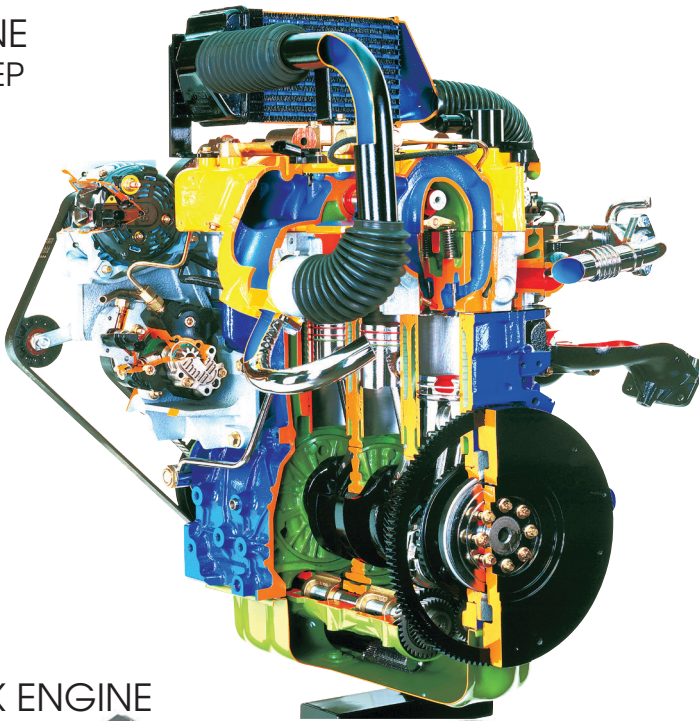


SPECIFICATIONS

- Displacement: 7,790/10,380cc (based on availability)
- 4-Stroke, Inline-6
- 4 valves per cylinder
- Maximum power 310/450 hp (based on availability)
- Water cooling
- Turbocharger
- Electronically controlled pump injectors
- Preheating device
- Operates electrically at 120V
- Mounted on stand with wheels

TURBO DIESEL ENGINE 16-VALVE CHRYSLER/JEEP

N98-ND6010

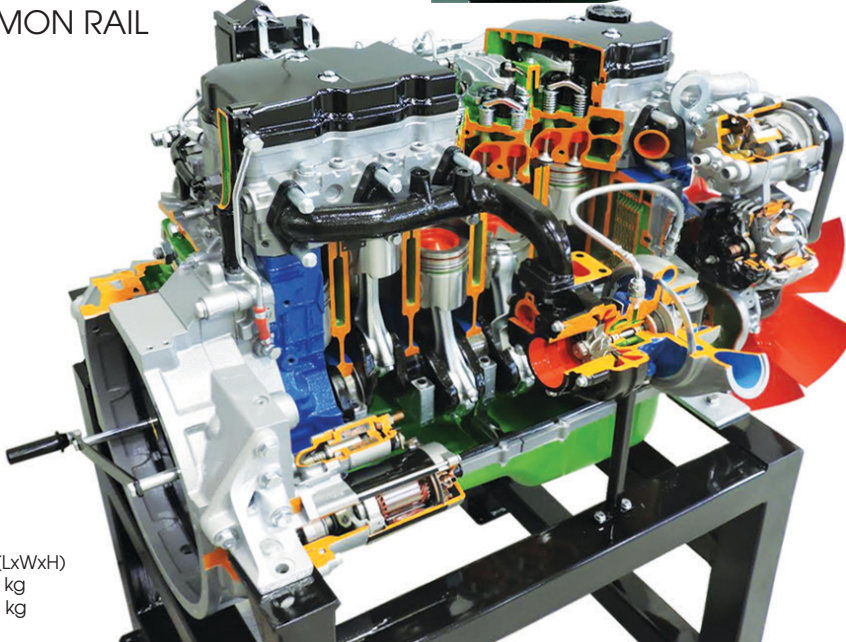


WEIGHT & DIMENSIONS

120cm x 90cm x 120cm (LxWxH)
Net Weight: 200 kg
Gross Weight: 270 kg

TURBO DIESEL TRUCK ENGINE INLINE-6, COMMON RAIL

N98-ND6091E



WEIGHT & DIMENSIONS

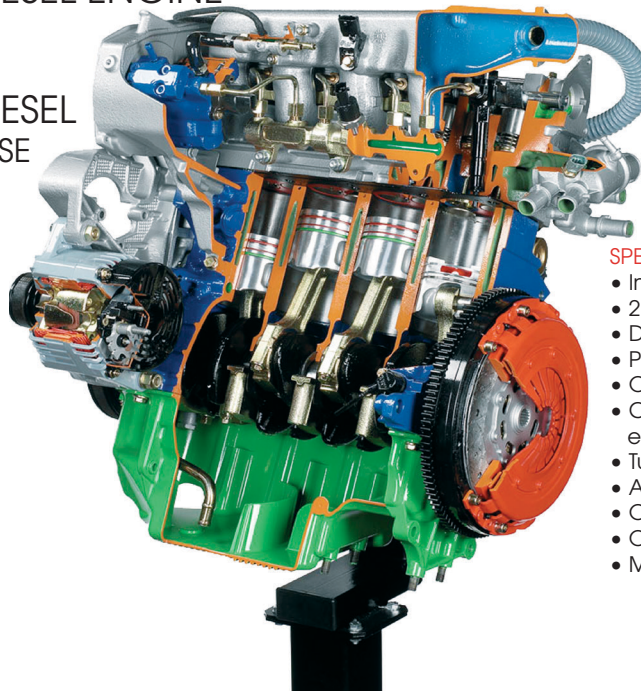
140cm x 100cm x 165cm (LxWxH)
Net Weight: 510 kg
Gross Weight: 630 kg

FIAT/ALFA ROMEO TURBO DIESEL ENGINE 8-VALVE COMMON RAIL

N98-ND6015E

FIAT/ALFA ROMEO TURBO DIESEL WITH 5 SPEED GEARBOX + REVERSE

N98-ND6017E



WEIGHT & DIMENSIONS

Size: 90cm x 100cm x 120cm (L x W x H)
Net Weight: 150 kg
Gross Weight: 210 kg

DIESEL

SPECIFICATIONS

- Inline-4
- Displacement: 2,500/2,800cc
- Power: 150-170 hp at 4,000 rpm
- Twin overhead camshaft (DOHC) with timing belt
- 4 valves per cylinder
- Torodial oil pump
- Common rail-type direct injection with electronic injectors
- Turbocharger with air-air intercooler
- Alternator, oil filter and oil pump
- Operates electrically at 120V
- Mounted on stand with wheels



SPECIFICATIONS

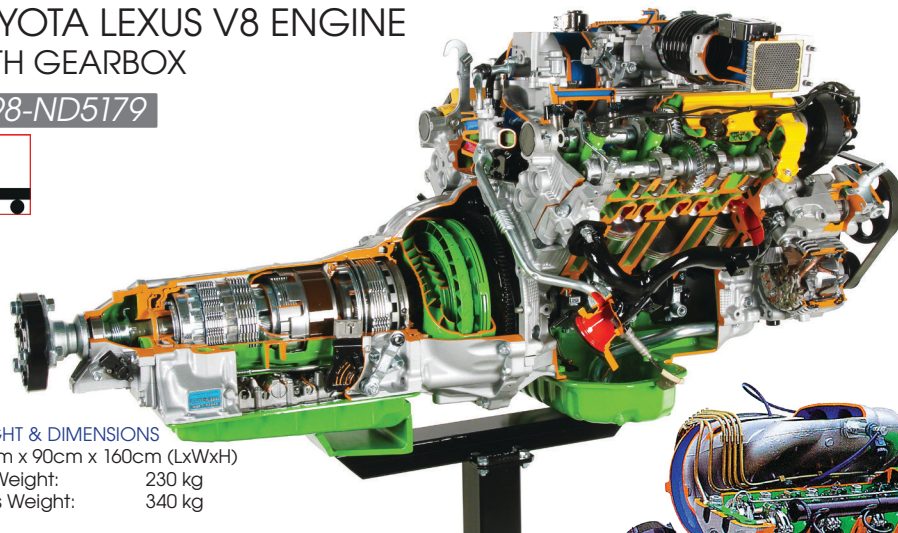
- Displacement: 5,900CC
- Inline-6 with Direct Injection
- Camshaft in Crankcase (OHV)
- Geared Timing
- 4 Valves per Cylinder
- Bosch Common Rail Injection
- Wastegate Turbocharger
- Alternator
- Air Compressor
- Engine Oil Rotor Pump
- Flange Power Steering Pump
- Air Conditioning Pump
- Cooling Fan with Viscous Joint
- Operates electrically at 120V
- Mounted on stand with wheels

SPECIFICATIONS

- Inline-4
- 2 valves per cylinder
- Displacement: 1,900cc
- Power: 115hp at 4,000 RPM
- Overhead Camshaft (OHC) with timing belt
- Common rail type direct injection with electro-injectors
- Turbosupercharger
- Alternator
- Oil pump and filter
- Operates electrically at 120V
- Mounted on stand with wheels

TOYOTA LEXUS V8 ENGINE WITH GEARBOX

N98-ND5179

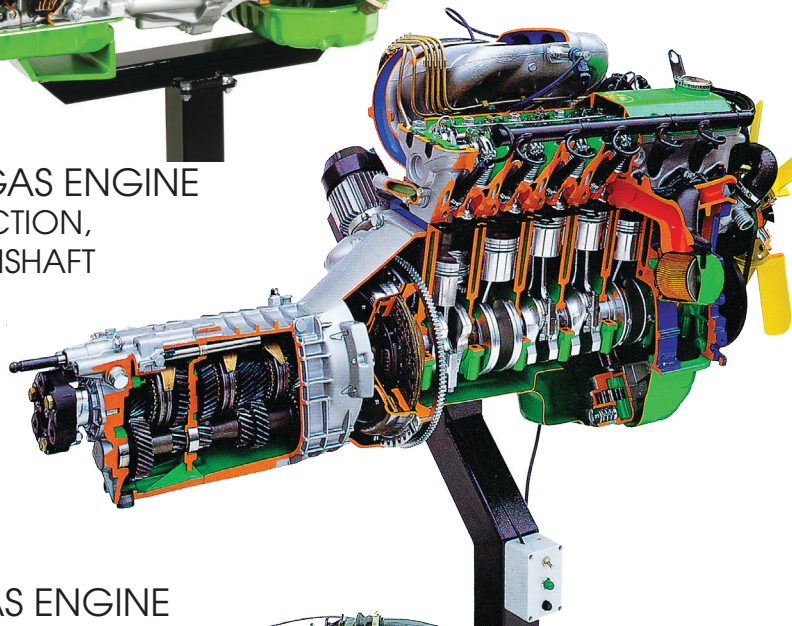


WEIGHT & DIMENSIONS

140cm x 90cm x 160cm (LxWxH)
Net Weight: 230 kg
Gross Weight: 340 kg

BMW 6-CYLINDER GAS ENGINE WITH MULTIPOINT INJECTION, DUAL OVERHEAD CAMSHAFT

N98-ND5176

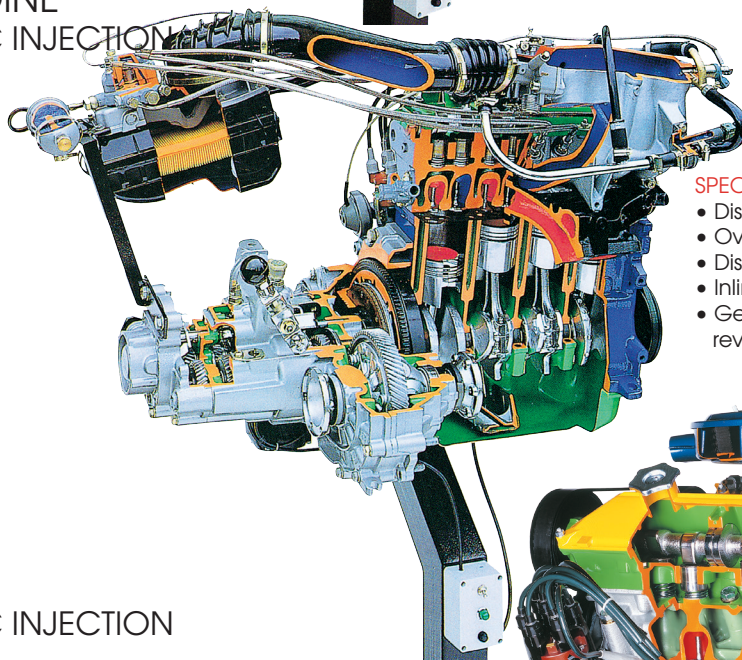


WEIGHT & DIMENSIONS

140cm x 80cm x 100cm (LxWxH)
Net Weight: 180 kg
Gross Weight: 265 kg

VW 4-CYLINDER GAS ENGINE WITH MULTIPOINT ELECTRONIC INJECTION

N98-ND5166



WEIGHT & DIMENSIONS

60cm x 155cm x 90 cm (LxWxH)
Net Weight: 155 kg
Gross Weight: 205 kg

V6 GAS ENGINE WITH MULTIPOINT ELECTRONIC INJECTION

N98-ND5195



WEIGHT & DIMENSIONS

120cm x 60cm x 100cm (LxWxH)
Net Weight: 190 kg
Gross Weight: 260 kg

SPECIFICATIONS

- V6 Gas Engine
- Displacement: 2,000-3,000cc
- Double Overhead Camshaft
- Centrifugal water pump
- 12V alternator
- Operates electrically at 120V
- Mounted on a stand with wheels

GAS ENGINE

SPECIFICATIONS

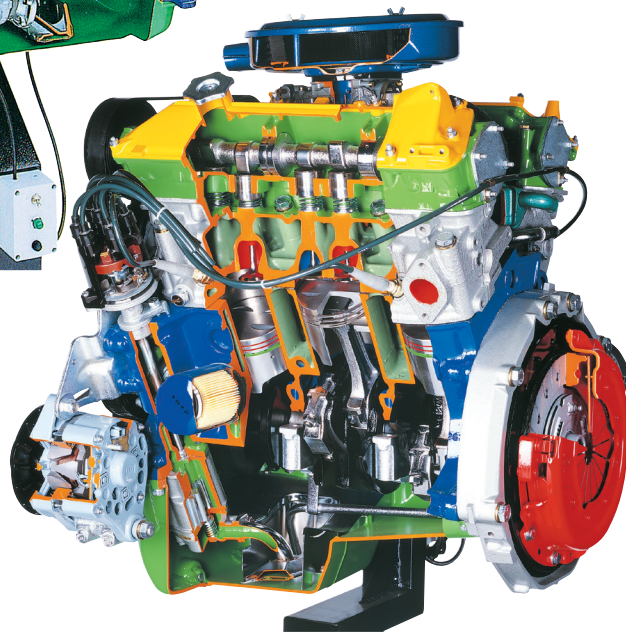
- Displacement: 3,968cc
- 4 valves per cylinder (32 total)
- Double over-head camshaft
- Bore and stroke 87,5x82,5
- Compression ratio 1:10
- AISIN AW automatic gearbox: 4 forward speeds
- Multi-point electronic fuel injection
- Electronic ignition
- 12V alternator
- Centrifugal water pump
- Operates manually by hand crank

SPECIFICATIONS

- Displacement: 2,000/2,500cc
- Double overhead camshaft
- Distribution by a roller chain
- 4 valves per cylinder
- Gearbox: 5 forward speeds + reverse
- Operates electrically at 120V
- Mounted on a stand with wheels

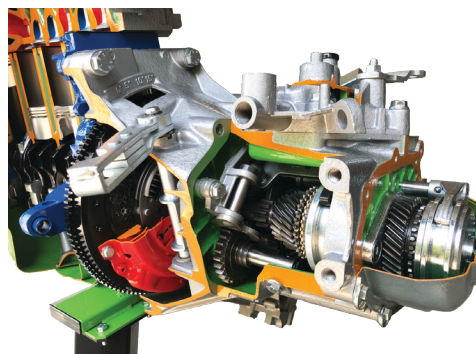
SPECIFICATIONS

- Displacement: 1,600/1,800/2,000cc
- Overhead Camshaft
- Distribution by a toothed belt
- Inline-4 cylinders
- Gearbox: 5 forward speeds + reverse, with integrated differential



FIAT GAS ENGINE W/MONO-JETRONIC FUEL INJECTION + GEARBOX

N98-ND5220IE

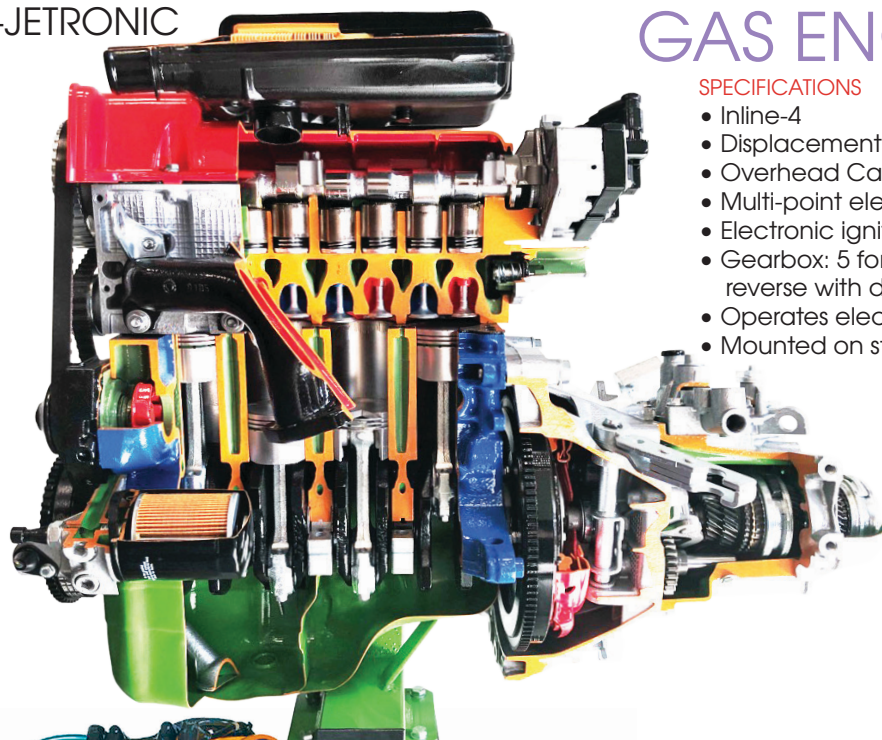


WEIGHT & DIMENSIONS

120cm x 70cm x 100cm (LxWxH)

Net Weight: 90 kg

Gross Weight: 140 kg



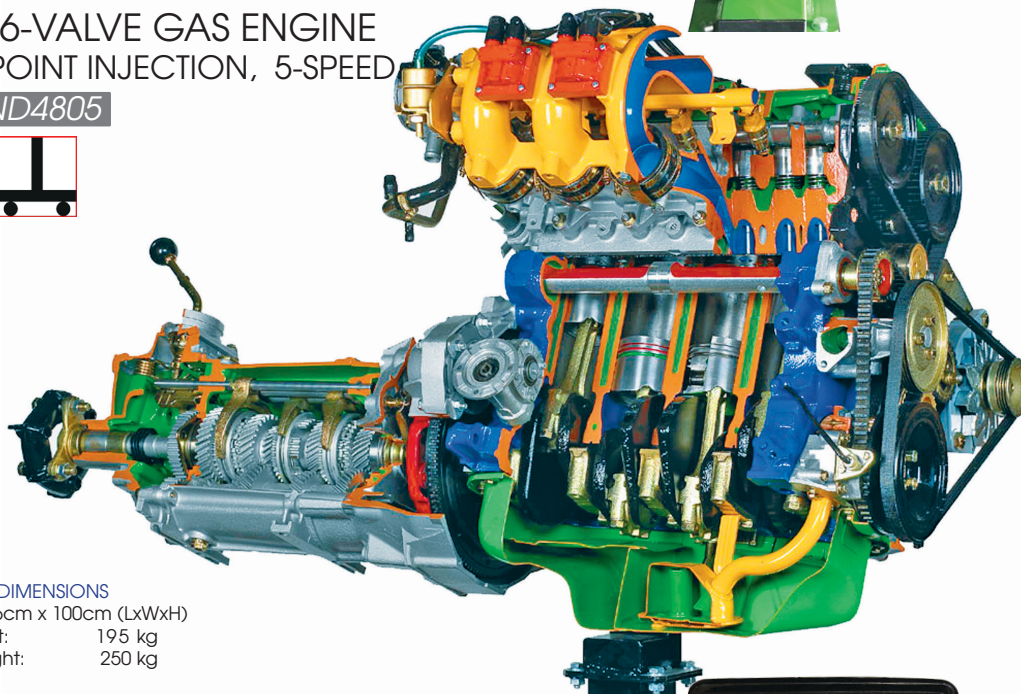
GAS ENGINE

SPECIFICATIONS

- Inline-4
- Displacement: 1,250cc
- Overhead Camshaft (OHC)
- Multi-point electronic injection
- Electronic ignition
- Gearbox: 5 forward speeds + reverse with differential
- Operates electrically at 120V
- Mounted on stand with wheels

FIAT 16-VALVE GAS ENGINE MULTIPOINT INJECTION, 5-SPEED

N98-ND4805



WEIGHT & DIMENSIONS

160cm x 86cm x 100cm (LxWxH)

Net Weight: 195 kg

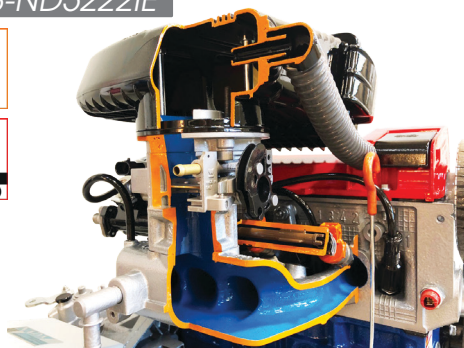
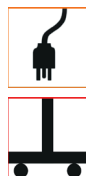
Gross Weight: 250 kg

SPECIFICATIONS

- FIAT Engine, 137 HP/101 Kw
- 16-Valve, 4-Cylinder Engine
- Displacement: 1,995 cc
- Double Overhead Camshaft (DOHC)
- Multipoint Electronic Injection with Ignition Integrated Control Unit
- Vibration Damper Balance Shafts
- Gearbox: 5 Forward Speeds + Reverse
- Water Cooling
- 12V Alternator
- Membrane Clutch
- Operates electrically at 120V
- Mounted on stand with wheels

FIAT GAS ENGINE, MULTIPOINT INJECTION + GEARBOX

N98-ND5222IE

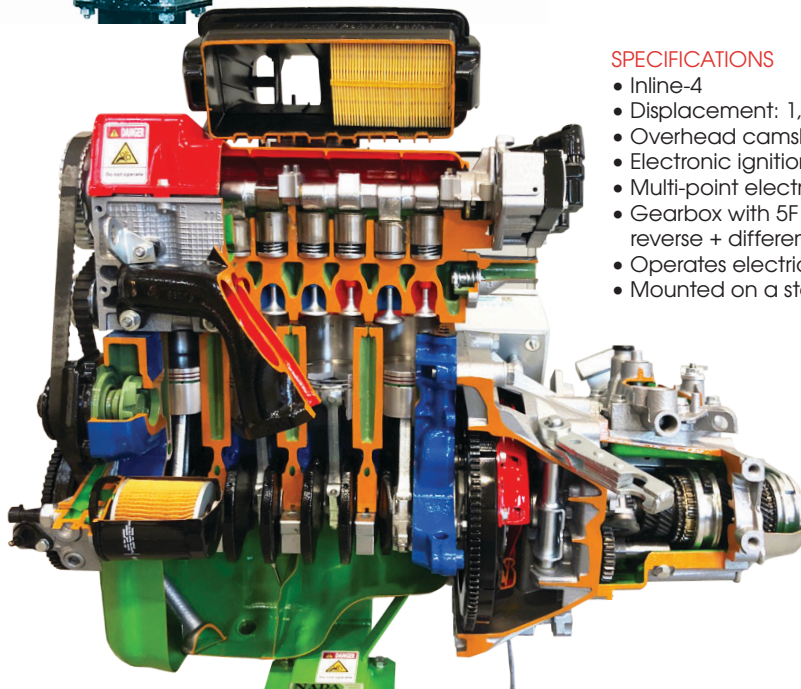


WEIGHT & DIMENSIONS

120cm x 70cm x 100cm (LxWxH)

Net Weight: 90 kg

Gross Weight: 140 kg

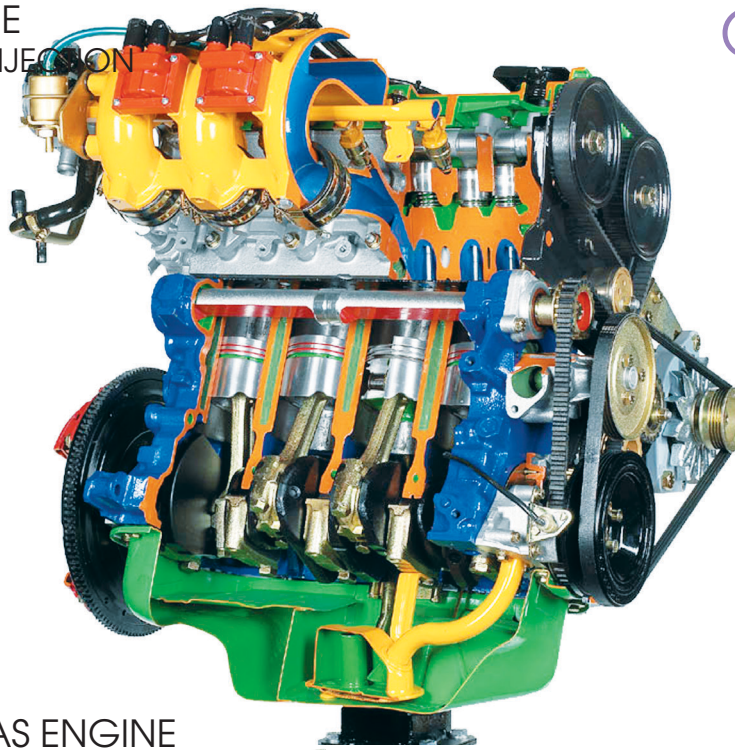


SPECIFICATIONS

- Inline-4
- Displacement: 1,250cc
- Overhead camshaft
- Electronic ignition
- Multi-point electronic injection
- Gearbox with 5F + reverse + differential
- Operates electrically at 120V
- Mounted on a stand with wheels

FIAT 4-CYLINDER ENGINE MULTIPOINT ELECTRONIC INJECTION

N98-ND4800



GAS ENGINE

SPECIFICATIONS

- Inline-4
- 4 valves per cylinder
- Displacement: 2,000cc
- Double overhead camshaft
- Ignition integrated control unit
- Vibration dampening balancing shafts
- 12 volt alternator
- Membrane clutch
- Operates electrically at 120V
- Mounted on stand with wheels

WEIGHT & DIMENSIONS

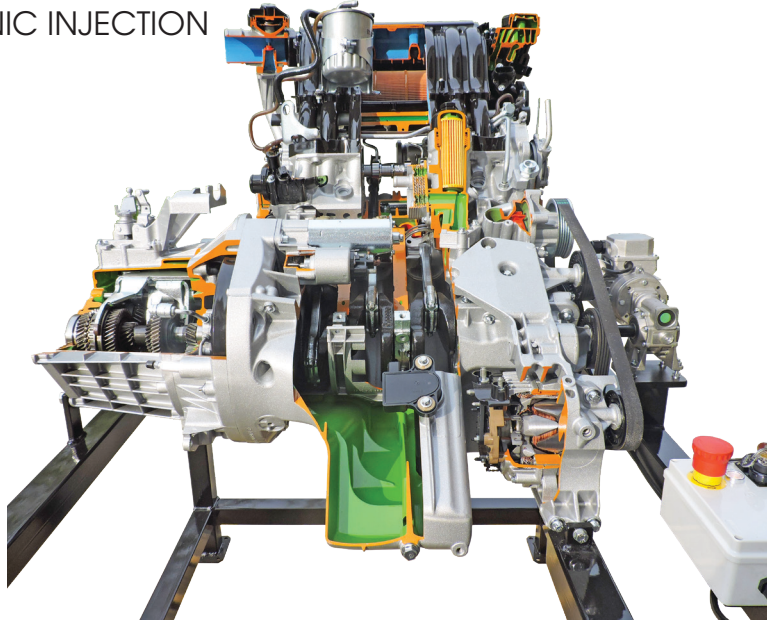
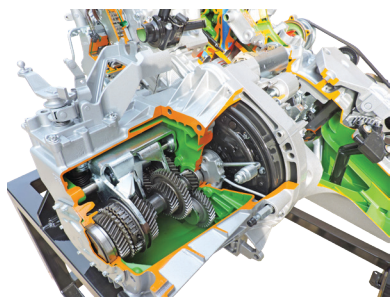
90cm x 120cm x 125cm (LxWxH)

Net Weight: 160 kg

Gross Weight: 210 kg

MERCEDES A-CLASS GAS ENGINE W/MULTIPOINT ELECTRONIC INJECTION

N98-ND5243



SPECIFICATIONS

- Mercedes A-Class Gas Engine
- 4-Stroke, 4-Cylinders
- Displacement 1,600cc
- Double overhead camshaft DOHC
- 8 valves
- Multipoint electronic injection
- Oil pump, oil filter
- Air filter, water cooling
- Intake manifold
- Air mass flow sensor
- Clutch
- Gearbox 5 speeds + reverse
- Differential
- Operates electrical at 120V
- Mounted on a stand with wheels

WEIGHT & DIMENSIONS

110cm x 110cm x 150cm (L x W X H)

Net Weight: 170kg

Gross Weight: 250kg

AUDI/VOLKSWAGEN GAS ENGINE WITH DIRECT INJECTION

N98-ND4600-F

MITSUBISHI GAS ENGINE WITH DIRECT INJECTION

N98-ND4600-G

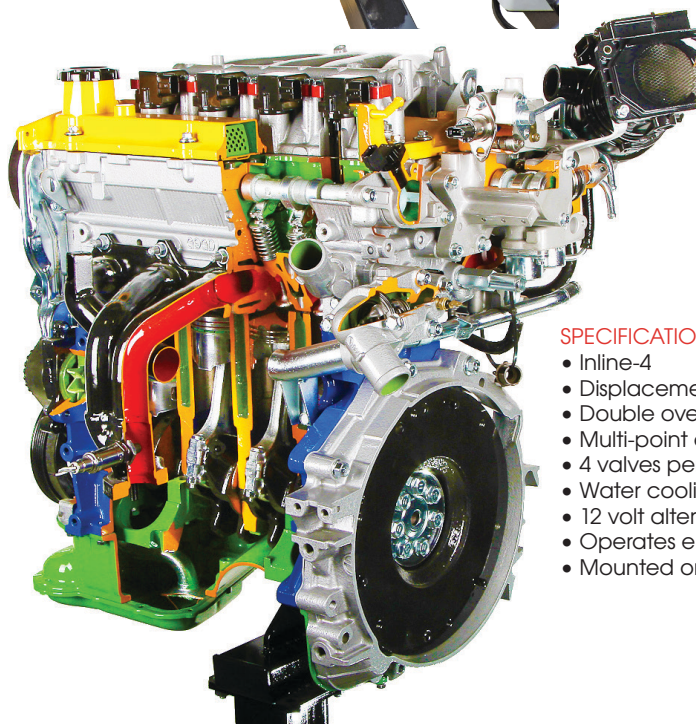


WEIGHT & DIMENSIONS

90cm x 100cm x 125cm (LxWxH)

Net Weight: 150 kg

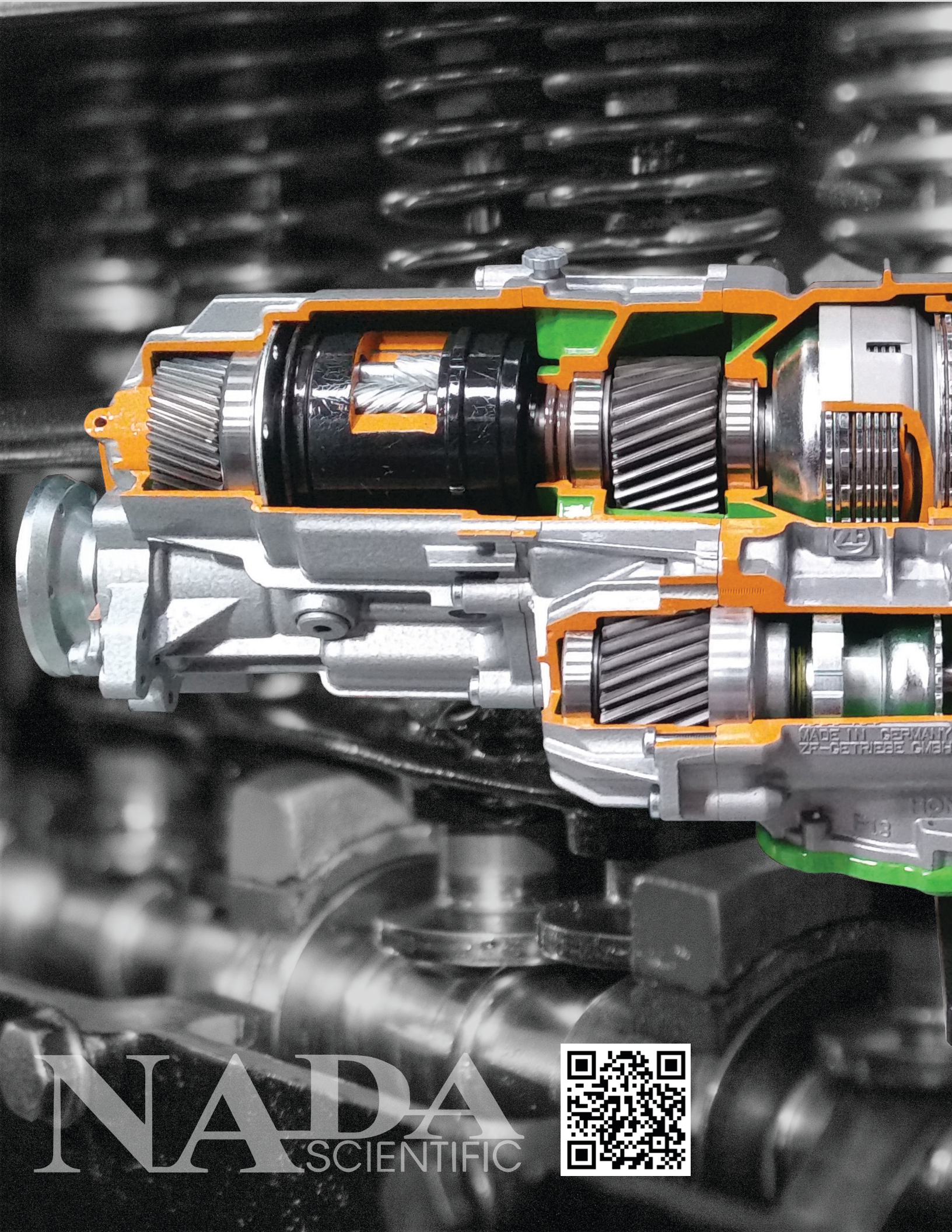
Gross Weight: 210 kg



SPECIFICATIONS

- Inline-4
- Displacement: 1,800-2,200cc
- Double overhead camshaft
- Multi-point electronic injection
- 4 valves per cylinder
- Water cooling
- 12 volt alternator
- Operates electrically at 120V
- Mounted on stand with wheels

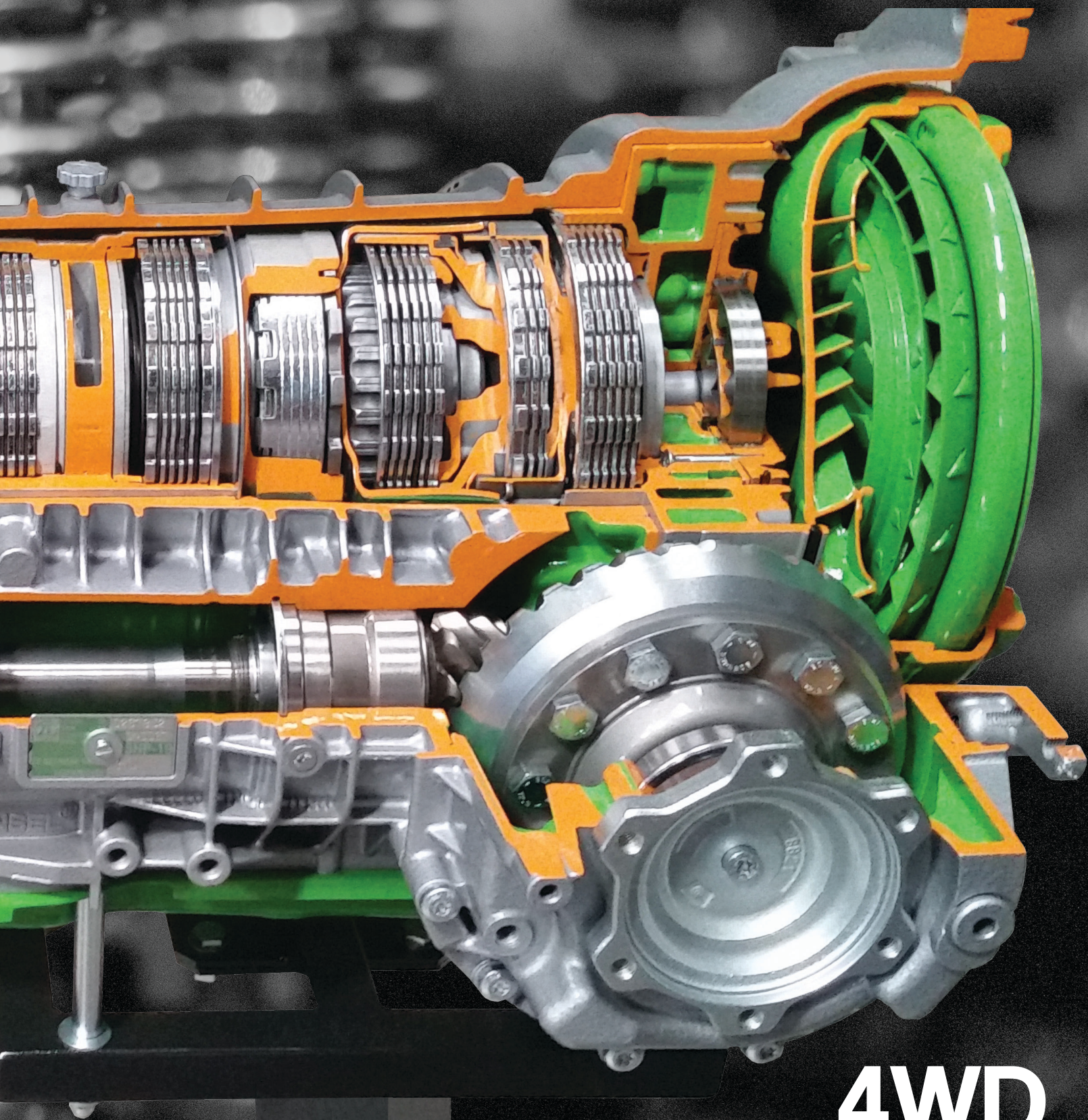




MADE IN GERMANY
ZF-GETRIEBE GMBH

NADA
SCIENTIFIC





4WD
TRANSMISSION

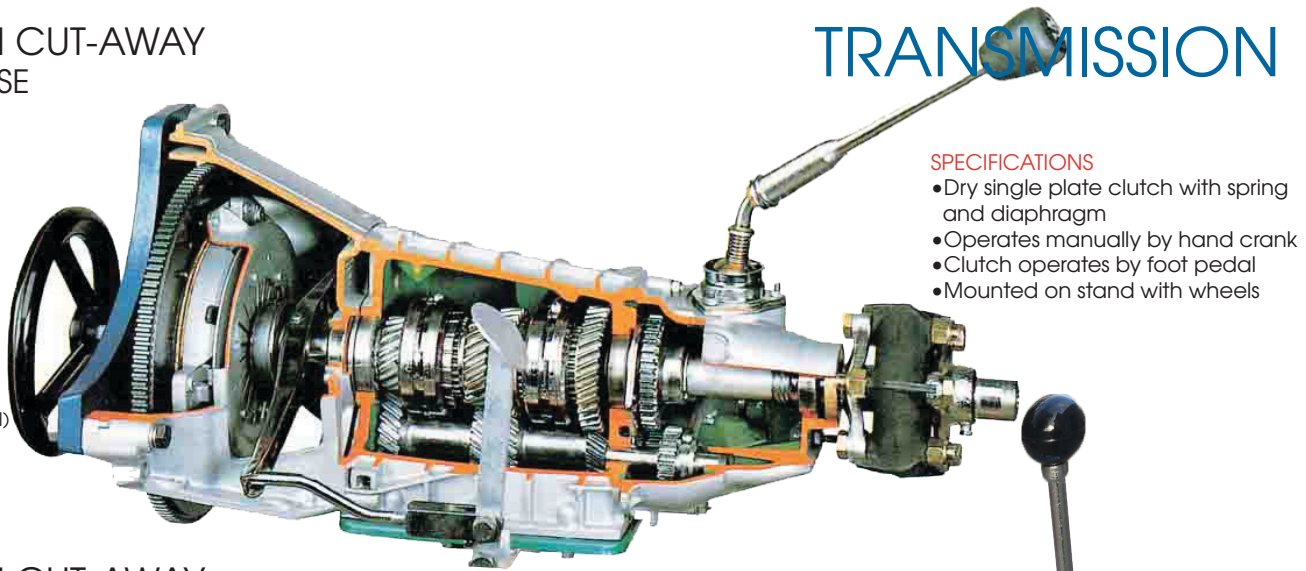
TRANSMISSION CUT-AWAY 4 SPEED + REVERSE

N98-ND11020



WEIGHT & DIMENSIONS

90cm x 60cm x 50cm (LxWxH)
Net Weight: 45 kg
Gross Weight: 65 kg



SPECIFICATIONS

- Dry single plate clutch with spring and diaphragm
- Operates manually by hand crank
- Clutch operates by foot pedal
- Mounted on stand with wheels

TRANSMISSION CUT-AWAY 5 SPEED + REVERSE

N98-ND11030

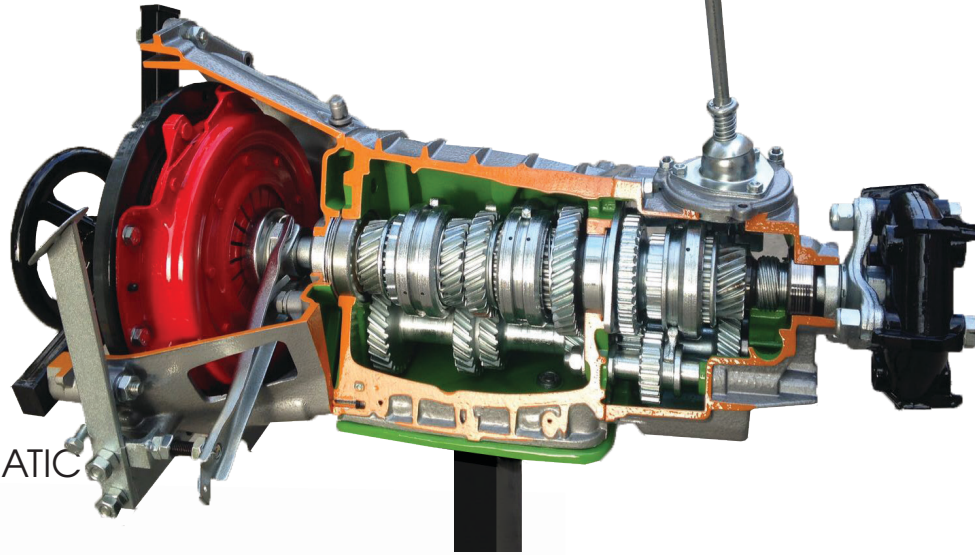


SPECIFICATIONS

- Dry single plate clutch with spring and diaphragm
- Operates manually by hand crank
- Clutch operates by foot pedal
- Mounted on stand with wheels

WEIGHT & DIMENSIONS

95cm x 60cm x 50cm (LxWxH)
Net Weight: 50 kg
Gross Weight: 80 kg



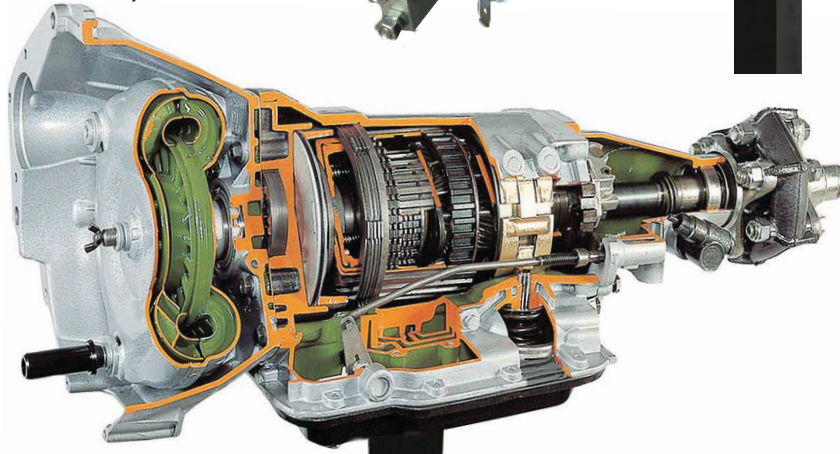
TRANSMISSION CUT-AWAY, AUTOMATIC 3 SPEED + REVERSE

N98-ND11040



WEIGHT & DIMENSIONS

100cm x 65cm x 70cm (LxWxH)
Net Weight: 70 kg
Gross Weight: 100 kg



SPECIFICATIONS

- Hydraulic converter
- Epicycloidal gear change with 3 forward speeds + reverse
- Multiple plate clutches
- Control valves
- Operates manually by hand crank applied on the converter
- Mounted on stand with wheels

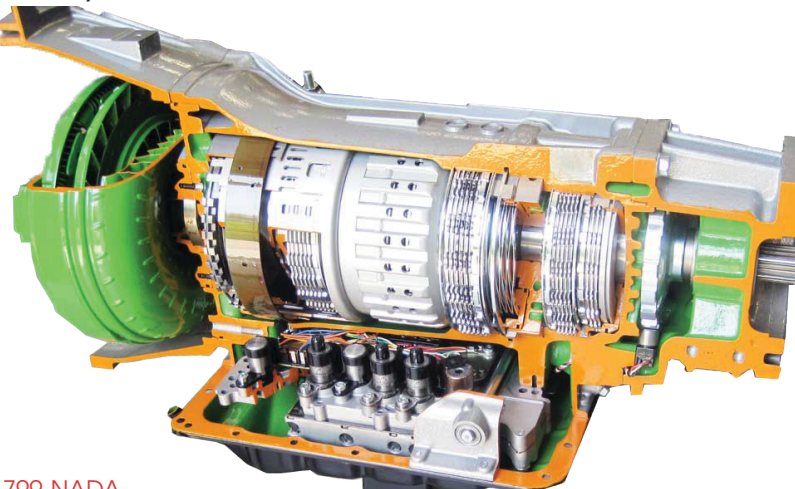
TRANSMISSION CUT-AWAY, AUTOMATIC 4WD, 5 SPEED + REVERSE

N98-ND11042



WEIGHT & DIMENSIONS

100cm x 65cm x 70cm (LxWxH)
Net Weight: 75 kg
Gross Weight: 100 kg



SPECIFICATIONS

- Hydraulic torque converter
- Epicycloidal gear change with 5 forward speeds + reverse
- Multiple plate clutches
- Control valves
- Operates manually by hand crank applied on the converter
- Mounted on stand with wheels

TRANSMISSION CUT-AWAY AUTOMATIC, REAR-WHEEL DRIVE 4 SPEED + REVERSE

N98-ND11060

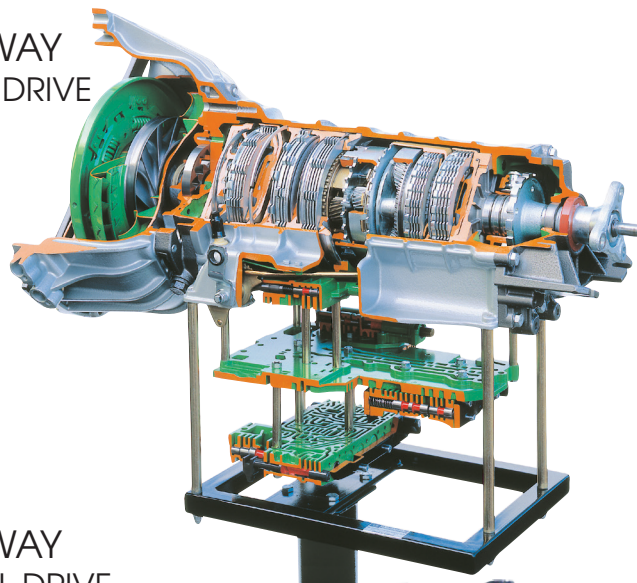


WEIGHT & DIMENSIONS

90cm x 60cm x 100cm (LxWxH)

Net Weight: 60 kg

Gross Weight: 85 kg



SPECIFICATIONS

- Rear-Wheel Drive
- 4 forward speeds + reverse
- Casing
- Torque converter
- Oil pump
- Stationary plate clutch
- Rotary Plate clutch
- Planetary gear train
- Hydraulic circuit valve
- Centrifugal regulator
- Mounted on stand with wheels
- Operates manually by hand crank

TRANSMISSION CUT-AWAY AUTOMATIC, FRONT-WHEEL DRIVE 4 SPEED + REVERSE

N98-ND11062

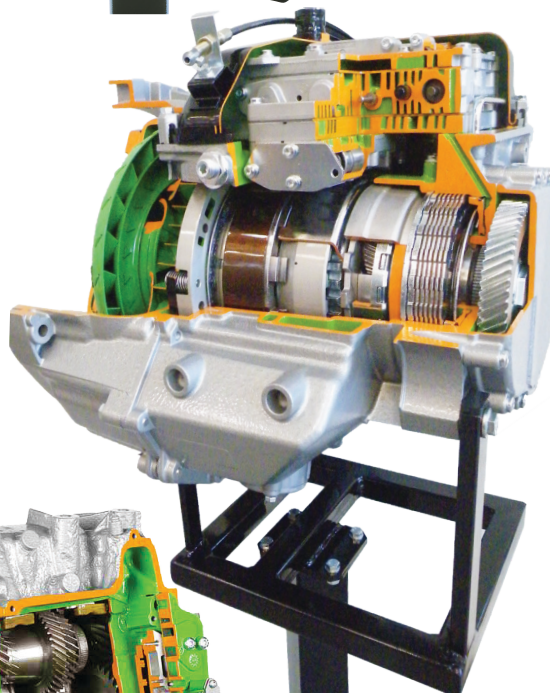


WEIGHT & DIMENSIONS

90cm x 60cm x 100cm (LxWxH)

Net Weight: 60 kg

Gross Weight: 85 kg



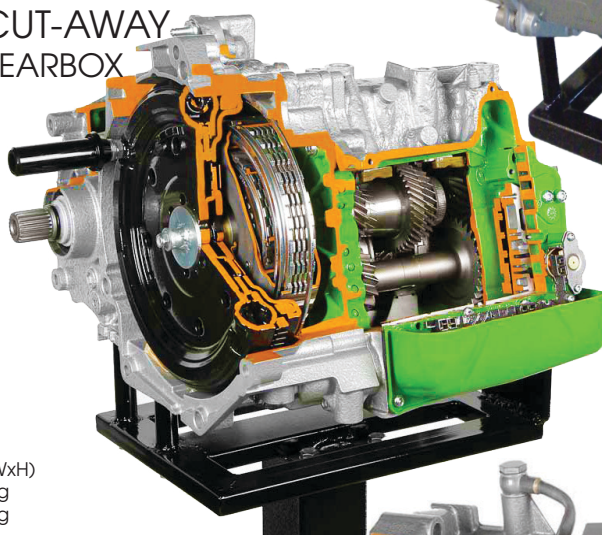
An exploded/cut-away view of the hydraulic circuit is provided to better show the various ducts and valves.

This automatic cut-away is carefully sectioned for training purposes and professionally painted with different colors to better differentiate among the various parts. Many parts have been chromium plated and galvanized for a longer life.



TRANSAXLE CUT-AWAY DIRECT-SHIFT GEARBOX

N98-ND11064



WEIGHT & DIMENSIONS

80cm x 40cm x 70cm (LxWxH)

Net Weight: 60 kg

Gross Weight: 85 kg

This is a cut-away of a Direct-Shift Gearbox (also referred to as double-clutch gearbox). It has two main shafts; one for the odd gears and the other for the even gears. Each shaft is inserted into one of the discs of the coaxial clutches. The shafts connected to the clutches can transmit motion mechanically to an auxiliary shaft having the relevant speed-gears.

CVT GEARBOX CUT-AWAY CONTINUOUSLY VARIABLE TRANSMISSION

N98-ND11068



WEIGHT & DIMENSIONS

60cm x 50cm x 80cm (LxWxH)

Net Weight: 45 kg

Gross Weight: 75 kg



The Continuously Variable Transmission (CVT) Gearbox can change continuously through an infinite number of effective gear ratios between maximum and minimum values.

SPECIFICATIONS

- Electromagnetic clutch
- Forward and reverse insertion lever
- Primary pulley
- Secondary pulley
- Roller belt
- Final reduction unit
- Hydraulic command unit
- Operates manually by hand crank

HEAVY-DUTY TRANSAXLE CUT-AWAY ECOSPLIT 16 SPEED + 2 REVERSE

N98-ND11069

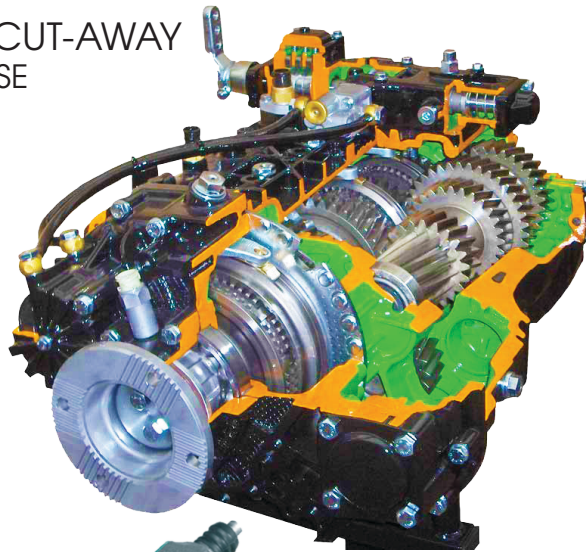


WEIGHT & DIMENSIONS

110cm x 90cm x 130cm (LxWxH)

Net Weight: 280 kg

Gross Weight: 380 kg



HEAVY-DUTY GEARBOX 13 SPEED, FULLER

N98-ND11070

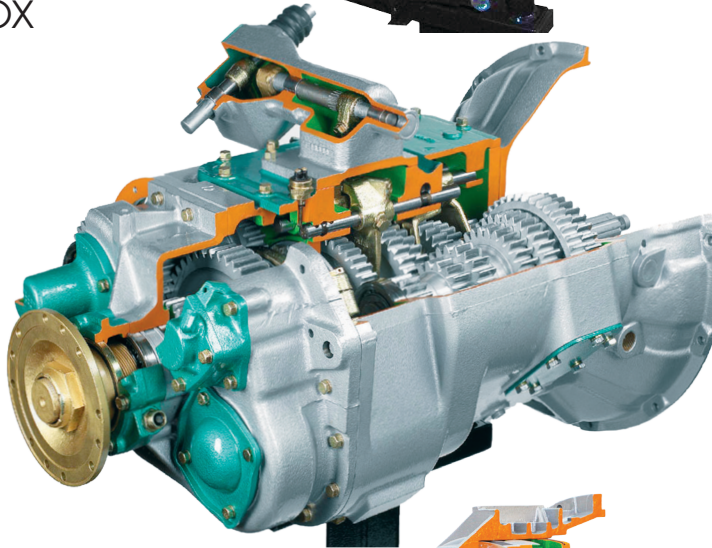


WEIGHT & DIMENSIONS

110cm x 100cm x 130cm (LxWxH)

Net Weight: 300 kg

Gross Weight: 400 kg



HEAVY-DUTY TRUCK GEARBOX, ZF 5HP

N98-ND11071

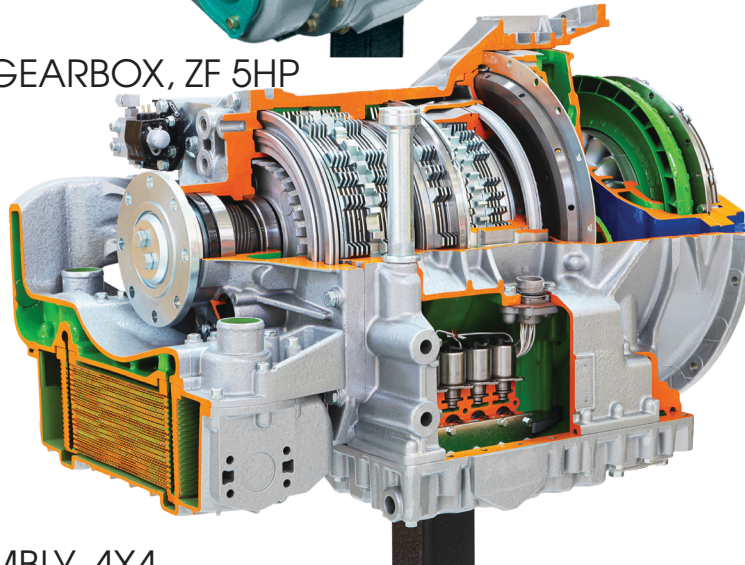


WEIGHT & DIMENSIONS

100cm x 70cm x 85cm (LxWxH)

Net Weight: 295 kg

Gross Weight: 350 kg



TRANSMISSION ASSEMBLY, 4X4 CROSS-COUNTRY WITH GEARBOX

N98-ND11300

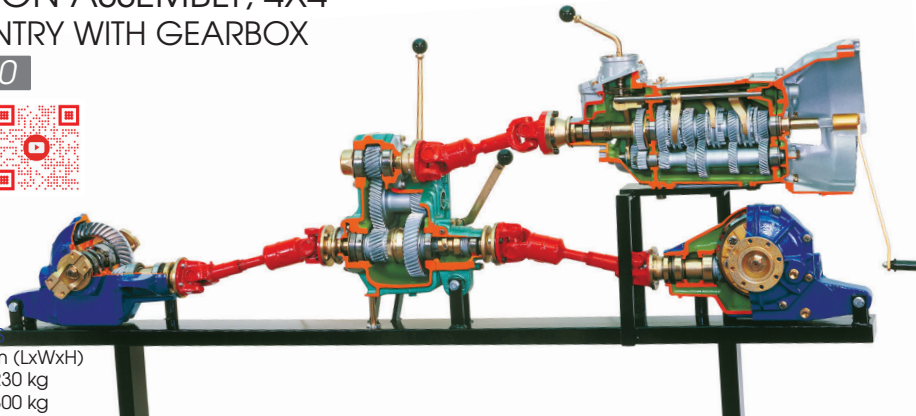


WEIGHT & DIMENSIONS

225cm x 75cm x 105cm (LxWxH)

Net Weight: 230 kg

Gross Weight: 300 kg



HEAVY-DUTY

This is a cut-away of a 16 speed manual transmission for heavy-duty vehicles. It is composed of a central box containing 4 forward speed gears and 2 reverse speed gears, an epicyclic unit for selecting the speed-gears mounted on the base, and over-gear on top. The over-gear configuration results in the division of each gear into slow or fast obtaining 16 forward gears, which can be inserted and geared down in sequence.

This is a cut-away of a quick change gearbox used in 300/400 hp heavy-duty vehicles with mechanical and pneumatic control. It is a non-synchronized gearbox, which is divided into 2 parts:

1. On the engine side, there are the 1st, 2nd, 3rd, and 4th gears, reverse, and extra low ratio pick-up gears. All these gears are mechanically controlled by the change gear lever.
2. On the output shaft side, there are the standard, low ratio, and semi-low ratio gears, pneumatically controlled by the per-selector provided on the gear lever.

This gearbox is comprised of a hydrodynamic torque converter with a lock-up clutch, a hydrodynamic retarder, and a downstream, multi-ratio planetary transmission.

SPECIFICATIONS

- Torque converter with lock-up clutch
- Hydrodynamic retarder
- Rotating multi-disc clutches
- Fixed-position multi-disc brakes
- Oil cooler with oil-water exchanger
- Electrovalves
- Mounted on stand with wheels

Transmission Assembly fitted to most 4x4 cross-country vehicles.

SPECIFICATIONS

- Gearbox: 5 forward speeds + reverse
- 2 speed reduction gear
- Movement restorer with front-wheel drive manual control
- Drive shafts with universal joints
- Self-locking hypoid differentials
- Operates manually by hand crank
- Mounted on stand with wheels

HEAVY-DUTY TRUCK REAR AXLE WITH LOCKING DIFFERENTIAL

N98-ND11198



WEIGHT & DIMENSIONS

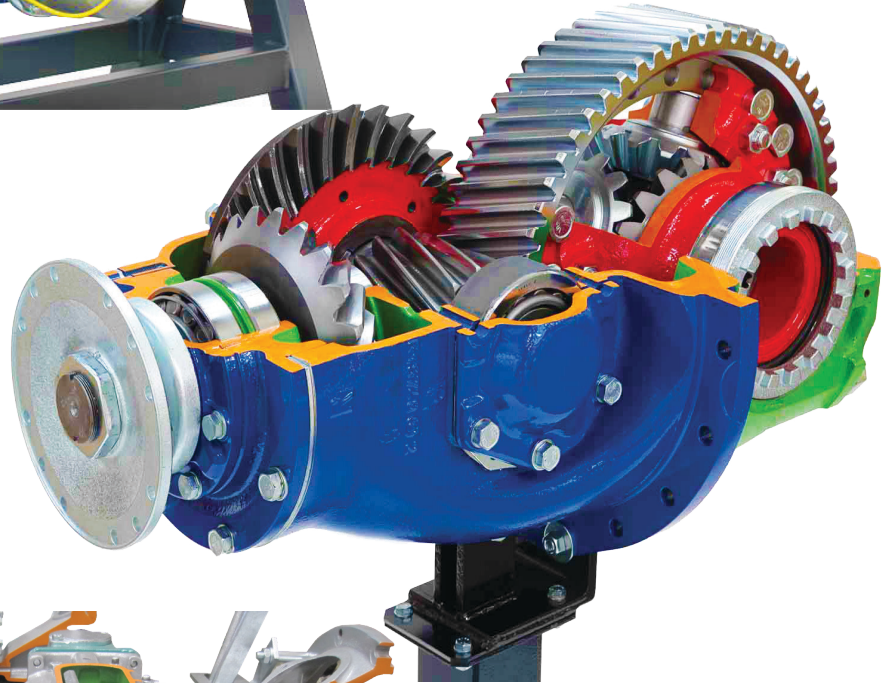
235cm x 95cm x 1050cm (LxWxH)
Net Weight: 590 kg
Gross Weight: 700 kg

SPECIFICATIONS

- Complete section of the rear axle
- Bevel gear (pinion - crown)
- Differential (satellite and planetary) with locking differential
- Axle shafts
- Reducer and planetary on the hub
- Brakes with jaws/drum
- Double air brake element
- Mounted on stand with wheels
- Operates manually by hand crank

HEAVY-DUTY TRUCK DIFFERENTIAL WITH DOUBLE REDUCER UNIT

N98-ND11295



SPECIFICATIONS

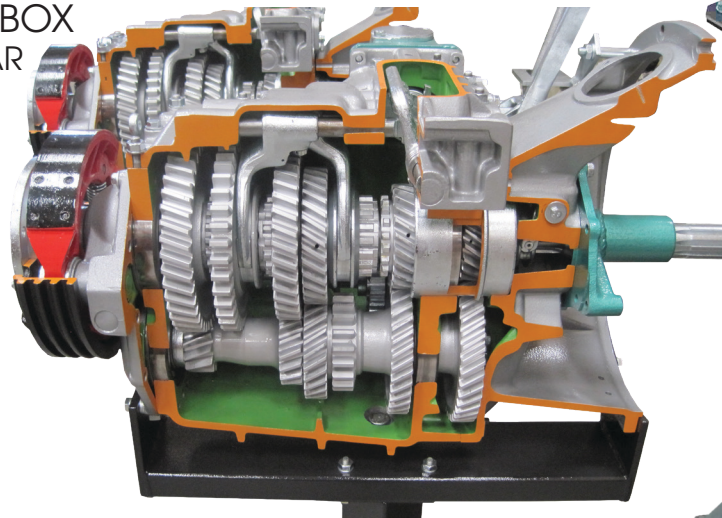
- Gear reducer with bevel gear
- Differential reducer with cylindrical gear
- Mounted on stand with wheels
- Operates manually by hand crank

WEIGHT & DIMENSIONS

90cm x 70cm x 70cm (LxWxH)
Net Weight: 185 kg
Gross Weight: 230 kg

HEAVY-DUTY GEARBOX WITH REDUCTION GEAR

N98-ND11080



SPECIFICATIONS

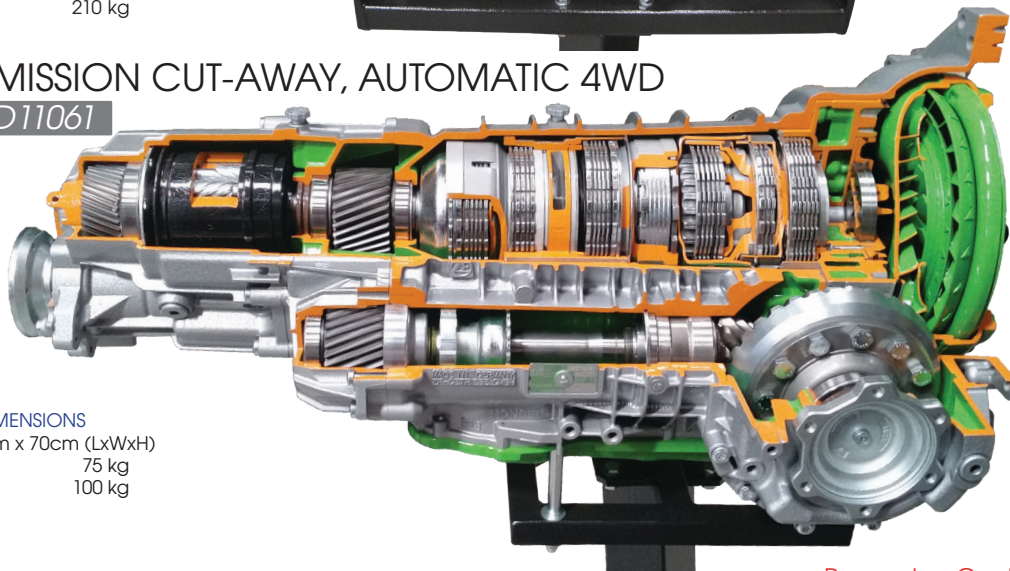
- 4-Speed gearbox
- 2 hand levers controls normal and reduced gears
- Normal gear ratios: 1st = 5.199, 2nd = 2.959, 3rd = 1.747, 4th = 1, R.M. = 5.243
- Reduced gear ratios:
1st = 7.013
2nd = 3.991
3rd = 2.357
4th = 1.349
R.M. = 7.072
- Operates manually by hand crank
- Mounted on stand with wheels

WEIGHT & DIMENSIONS

80cm x 80cm x 140cm (LxWxH)
Net Weight: 150 kg
Gross Weight: 210 kg

TRANSMISSION CUT-AWAY, AUTOMATIC 4WD

N98-ND11061



WEIGHT & DIMENSIONS

100cm x 65cm x 70cm (LxWxH)
Net Weight: 75 kg
Gross Weight: 100 kg

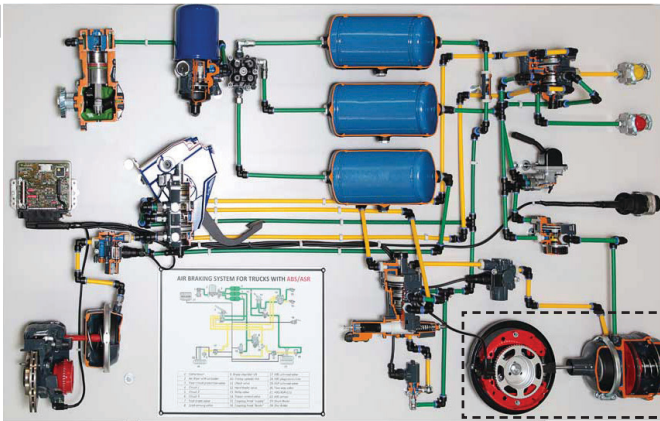
SPECIFICATIONS

- ZF 5HP
- Mounted on stand with wheels
- Operates manually by hand crank

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AIR BRAKING SYSTEM FOR TRUCKS WITH ABS/ASR

N98-ND12195



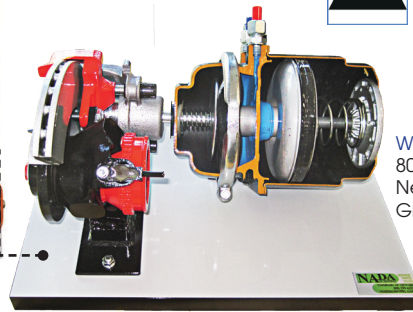
WEIGHT & DIMENSIONS

220cm x 36cm x 140cm
Net Weight: 125 kg
Gross Weight: 165 kg

BRAKING SYSTEM

DISC CALIPER & ROTOR CHAMBER

N98-ND12195-AB

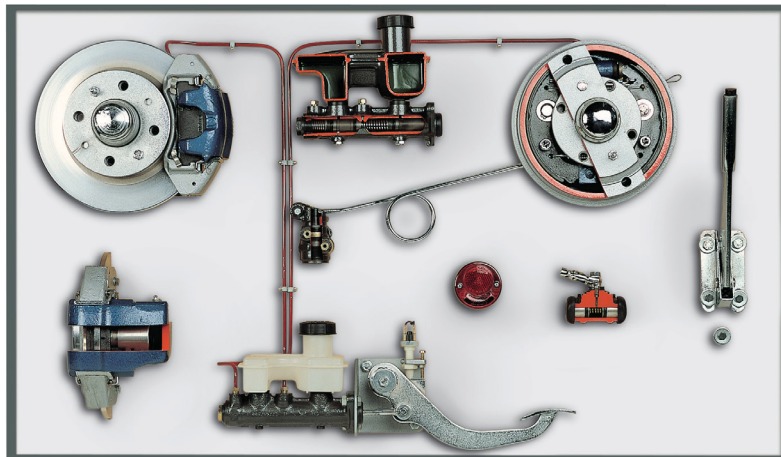


WEIGHT & DIMENSIONS

80cm x 60cm x 60cm
Net Weight: 26 kg
Gross Weight: 34 kg

BRAKING SYSTEM PANEL, DOUBLE CIRCUIT

N98-ND12050



WEIGHT & DIMENSIONS

110cm x 60cm x 40cm (LxWxH)
Net Weight: 35 kg
Gross Weight: 65 kg

The double circuit brakes wall panel represents a complete double circuit braking system and features components that have been sectioned to provide a clear view of the system. This trainer is operated by a hydraulic pump connected to the disk brake and the drum brake.

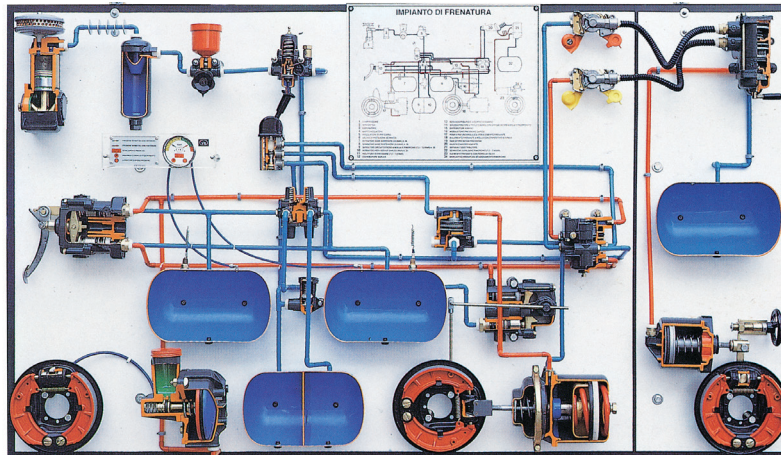


COMPRESSED AIR BRAKING SYSTEM PANEL WITH DOUBLE SPRING BRAKES

N98-ND12170



N98-ND12180



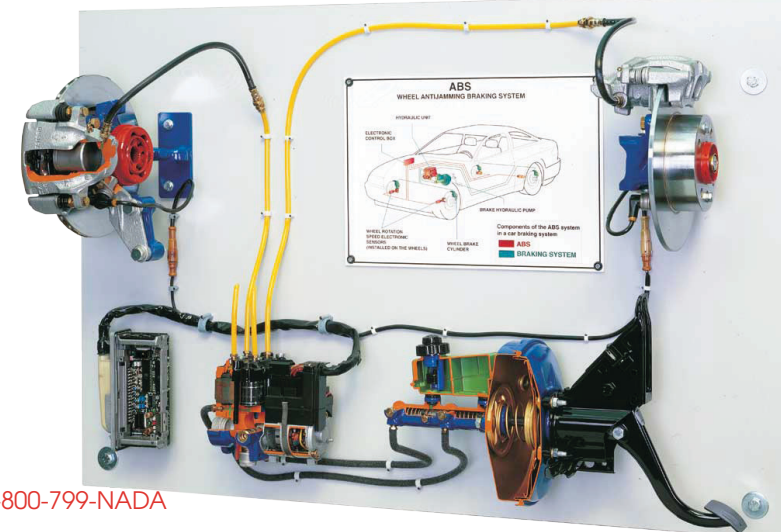
WEIGHT & DIMENSIONS

220cm x 36cm x 140cm (LxWxH)
Net Weight: 110 kg
Gross Weight: 150 kg

This Turbo Star Compressed Air Braking System panel includes all elements of a compressed air braking system. It is complete with all connection circuit components for braking systems. Students learn the system with the aid of connection pipes that are painted in multiple colors to differentiate the various circuits.

ABS BRAKING SYSTEM PANEL

N98-ND12230



WEIGHT & DIMENSIONS

140cm x 50cm x 90cm (LxWxH)
Net Weight: 60 kg
Gross Weight: 120 kg

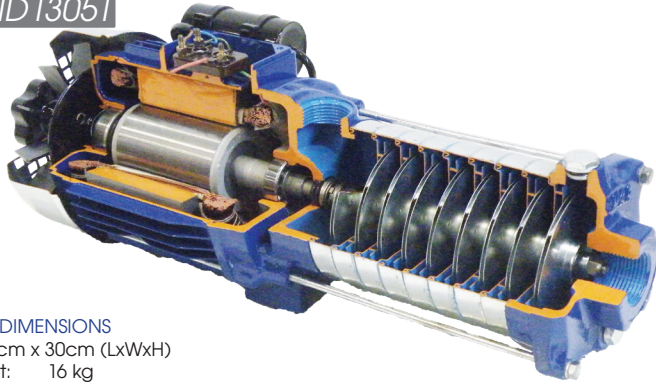
The ABS Brake System Panel is an educational model of a modern ABS braking system for automobiles. All brake parts are provided as detailed cut-away models and are interconnected.

SPECIFICATIONS

- Self-ventilating disk brake with phonic wheel and sensor
- Rear disk brake with phonic wheel and sensor
- Servo brake with foot control panel and brake pump
- Electronic control unit
- Oil tank

MULTISTAGE ELECTRO-PUMP

N98-ND13051



WEIGHT & DIMENSIONS

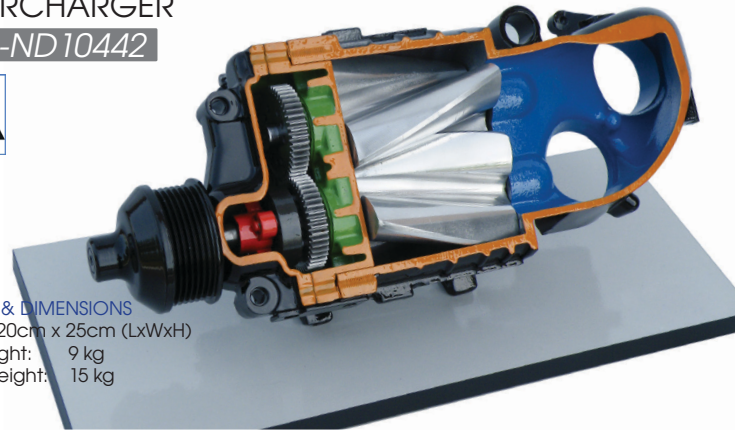
60cm x 30cm x 30cm (LxWxH)

Net Weight: 16 kg

Gross Weight: 20 kg

ROOTS-TYPE SUPERCHARGER

N98-ND10442



WEIGHT & DIMENSIONS

50cm x 20cm x 25cm (LxWxH)

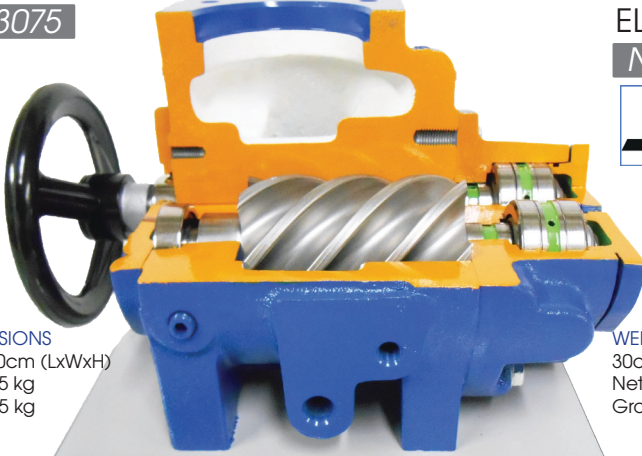
Net Weight: 9 kg

Gross Weight: 15 kg

HYDRAULICS

SCREW COMPRESSOR

N98-ND13075



WEIGHT & DIMENSIONS

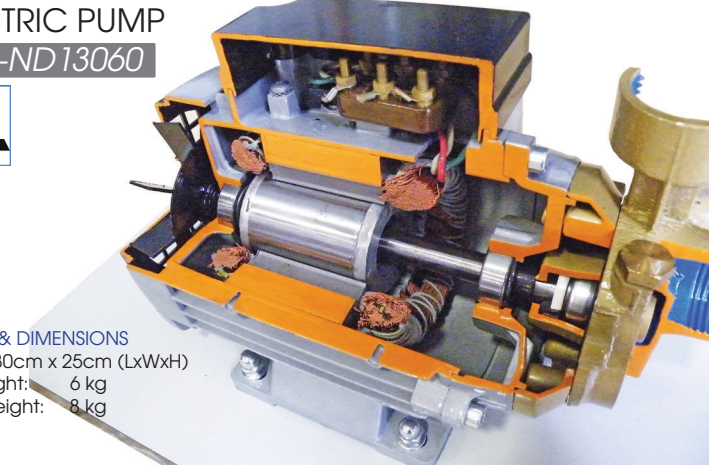
40cm x 30cm x 30cm (LxWxH)

Net Weight: 25 kg

Gross Weight: 35 kg

OPEN ROTOR CENTRIFUGAL ELECTRIC PUMP

N98-ND13060



WEIGHT & DIMENSIONS

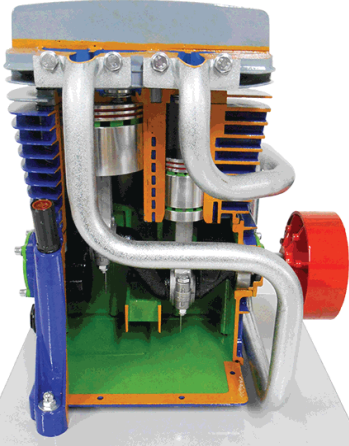
30cm x 30cm x 25cm (LxWxH)

Net Weight: 6 kg

Gross Weight: 8 kg

RECIPROCATING COMPRESSOR

N98-ND13071



WEIGHT & DIMENSIONS

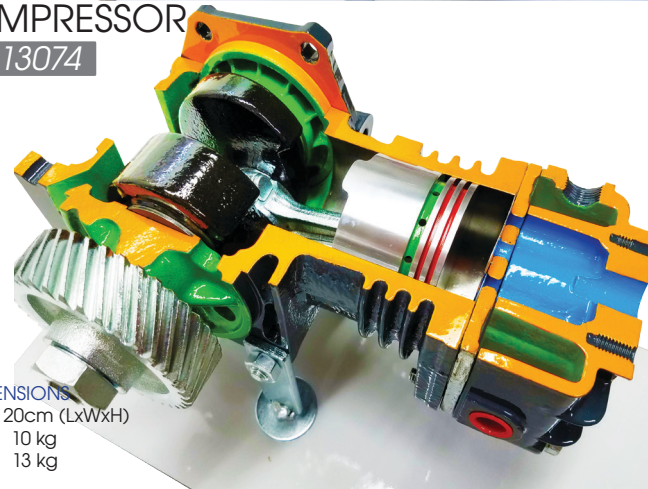
40cm x 40cm x 60cm (LxWxH)

Net Weight: 30 kg

Gross Weight: 40 kg

AIR COMPRESSOR

N98-ND13074



WEIGHT & DIMENSIONS

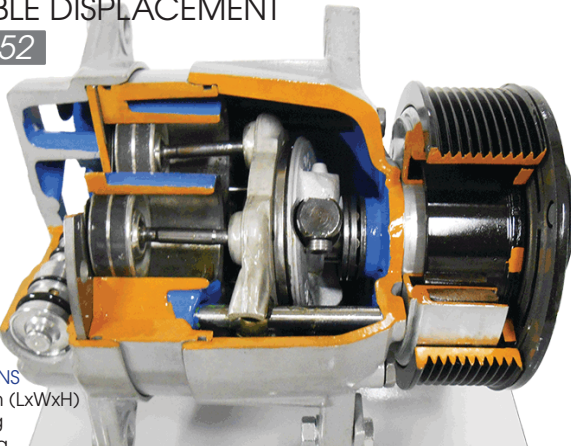
40cm x 23cm x 20cm (LxWxH)

Net Weight: 10 kg

Gross Weight: 13 kg

AXIAL ALTERNATIVE COMPRESSOR WITH VARIABLE DISPLACEMENT

N98-ND10652



WEIGHT & DIMENSIONS

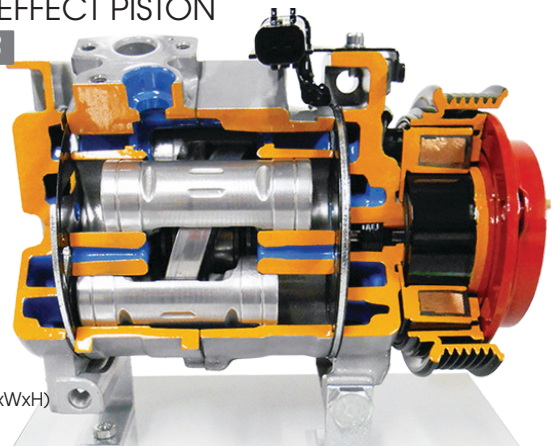
20cm x 20cm x 20cm (LxWxH)

Net Weight: 7 kg

Gross Weight: 12 kg

AXIAL ALTERNATIVE COMPRESSOR WITH DOUBLE EFFECT PISTON

N98-ND10653



WEIGHT & DIMENSIONS

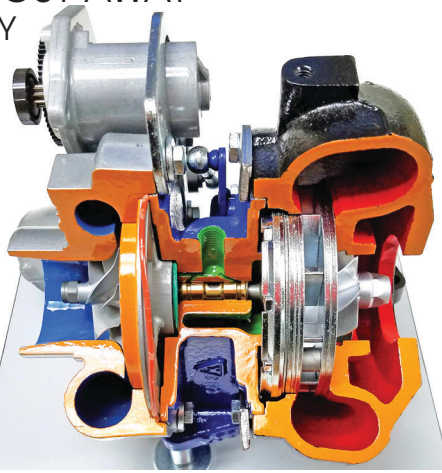
20cm x 20cm x 20cm (LxWxH)

Net Weight: 7 kg

Gross Weight: 12 kg

TURBOCHARGER CUT-AWAY VARIABLE GEOMETRY

N98-ND10441



WEIGHT & DIMENSIONS

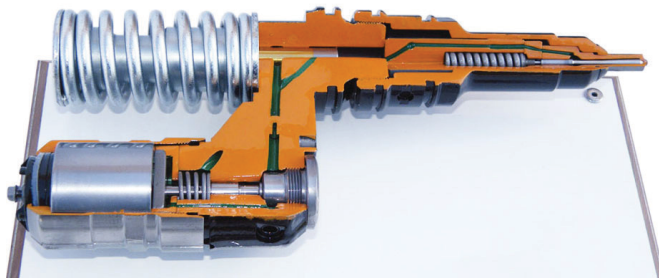
50cm x 20cm x 35cm (LxWxH)

Net Weight: 7 kg

Gross Weight: 10 kg

INJECTOR PUMP

N98-ND10110



WEIGHT & DIMENSIONS

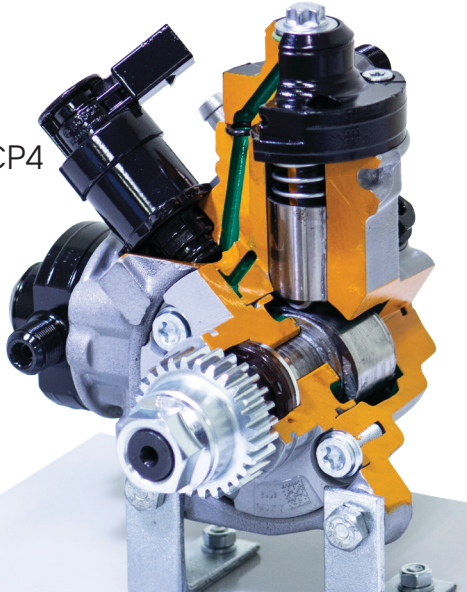
40cm x 20cm x 10cm (LxWxH)

Net Weight: 3 kg

Gross Weight: 4 kg

BOSCH PUMP HIGH PRESSURE, CP4

N98-ND10108



WEIGHT & DIMENSIONS

32cm x 26cm x 26cm (LxWxH)

Net Weight: 5 kg

Gross Weight: 6 kg

GAS ENGINE MODEL 4-STROKE

N98-ND7460



WEIGHT & DIMENSIONS

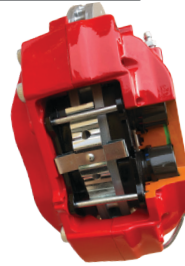
40cm x 40cm x 70cm (LxWxH)

Net Weight: 10 kg

Gross Weight: 14 kg

SELF-VENTILATED BRAKE WITH 4 PISTONS

N98-ND12040



WEIGHT & DIMENSIONS

50cm x 25cm x 45cm (LxWxH)

Net Weight: 15 kg

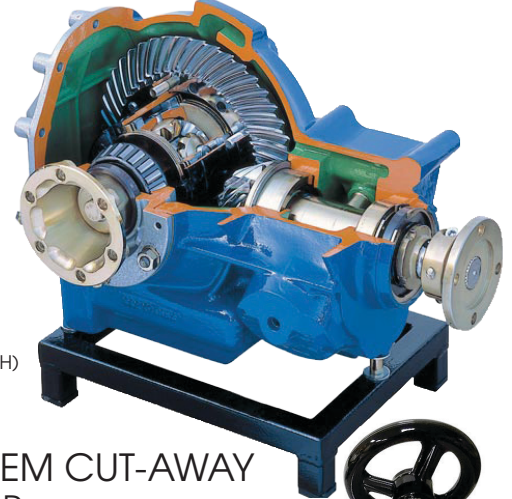
Gross Weight: 20 kg

MODELS



SELF-LOCKING HYPOID DIFFERENTIAL

N98-ND11260



WEIGHT & DIMENSIONS

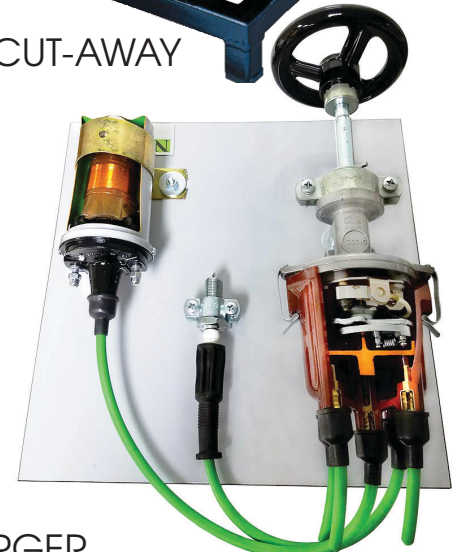
40cm x 30cm x 40cm (LxWxH)

Net Weight: 25 kg

Gross Weight: 30 kg

IGNITION SYSTEM CUT-AWAY WITH DISTRIBUTOR

N98-ND10030



WEIGHT & DIMENSIONS

30cm x 30cm x 17cm (LxWxH)

Net Weight: 3 kg

Gross Weight: 5 kg

TURBOSUPERCHARGER WITH WASTEGATE VALVE

N98-ND10430



WEIGHT & DIMENSIONS

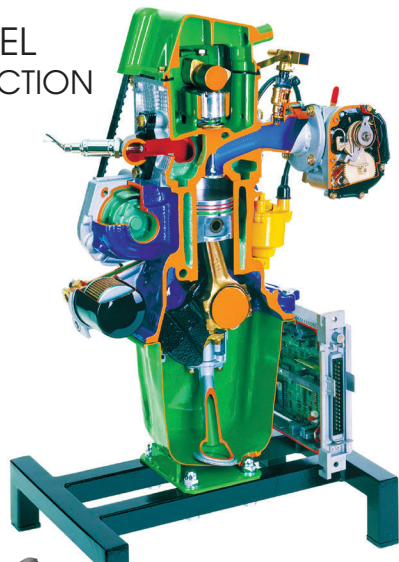
30cm x 30cm x 30cm (LxWxH)

Net Weight: 6 kg

Gross Weight: 8 kg

GAS ENGINE MODEL MULTIPOINT FUEL INJECTION

N98-ND7490



WEIGHT & DIMENSIONS

50cm x 45cm x 80cm (LxWxH)

Net Weight: 21 kg

Gross Weight: 40 kg

PLANETARY GEAR DEMONSTRATOR

N98-OSK16935

Each

N98-OSK16937

10/PK



WEIGHT & DIMENSIONS

13cm x 13cm x 1cm (LxWxH)

Net Weight: 120 g (One Unit)

Net Weight: 2 kg (10/Pack with Case)

POWER STEERING WITH RECIRCULATING BALL SYSTEM

N98-ND10750



WEIGHT & DIMENSIONS

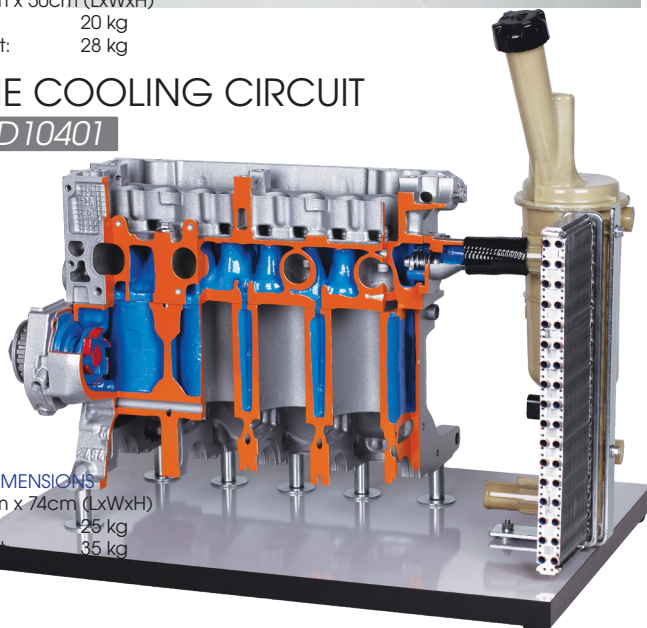
60cm x 50cm x 50cm (LxWxH)

Net Weight: 20 kg

Gross Weight: 28 kg

ENGINE COOLING CIRCUIT

N98-ND10401



WEIGHT & DIMENSIONS

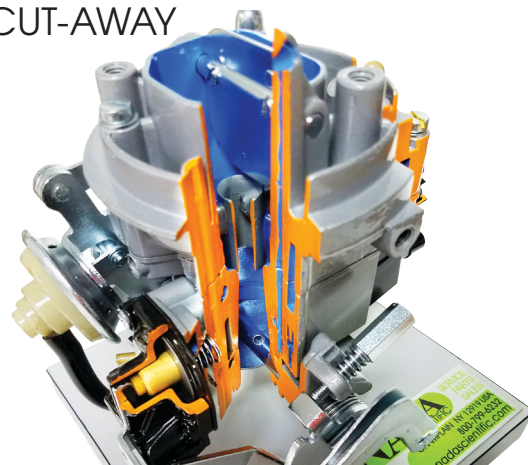
70cm x 50cm x 74cm (LxWxH)

Net Weight: 25 kg

Gross Weight: 35 kg

CARBURETOR CUT-AWAY SINGLE BARREL

N98-ND10320



WEIGHT & DIMENSIONS

30cm x 25cm x 30cm (LxWxH)

Net Weight: 1 kg

Gross Weight: 2 kg

COMPACT PLANETARY GEAR MODEL

N98-OSK16924



WEIGHT & DIMENSIONS

14cm x 12cm x 16cm (LxWxH)

Net Weight: 750 g

Gross Weight: 1 kg

CVT TRANSMISSION MODEL

N98-ND7831



WEIGHT & DIMENSIONS

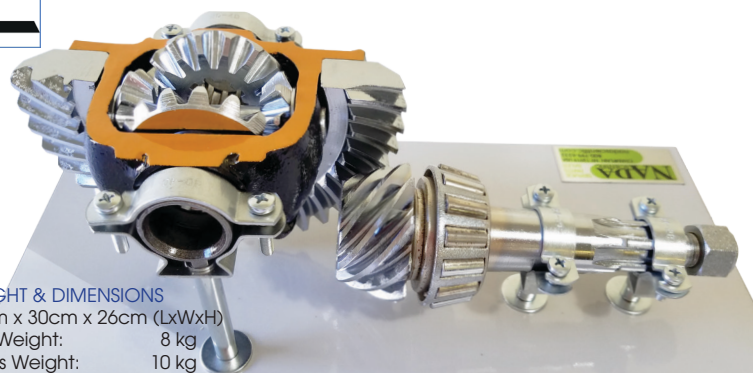
80cm x 30cm x 40cm (LxWxH)

Net Weight: 12 kg

Gross Weight: 18 kg

CROWN AND PINION DIFFERENTIAL

N98-ND11281



WEIGHT & DIMENSIONS

40cm x 30cm x 26cm (LxWxH)

Net Weight: 8 kg

Gross Weight: 10 kg

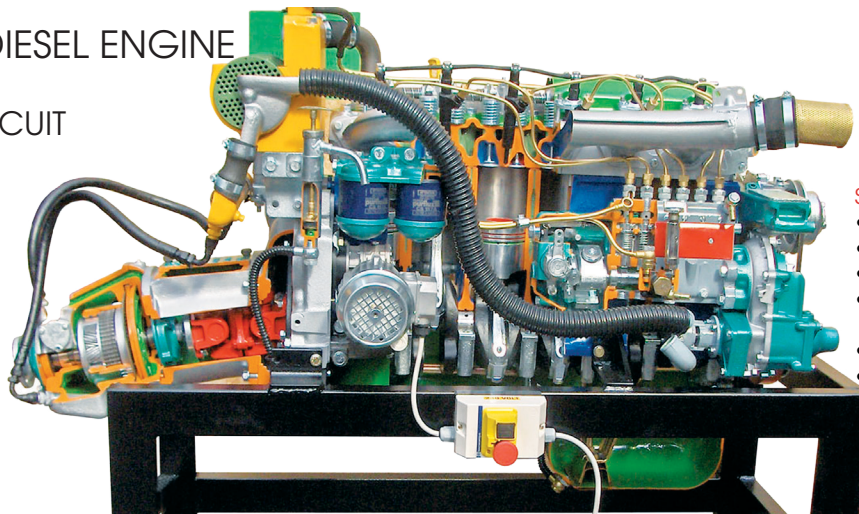
MARINE INBOARD DIESEL ENGINE 6-CYLINDER WITH CLOSED COOLING CIRCUIT

N98-ND7940



WEIGHT & DIMENSIONS

120cm x 185cm x 150cm (LxWxH)
Net Weight: 1100 kg
Gross Weight: 1400 kg

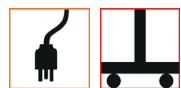


SPECIFICATIONS

- Inline-6 diesel engine
- Displacement: 6,000cc
- Compression Ratio: 16:1
- Accessories and closed cooling circuit included
- Operates electrically at 120V
- Mounted on stand with wheels

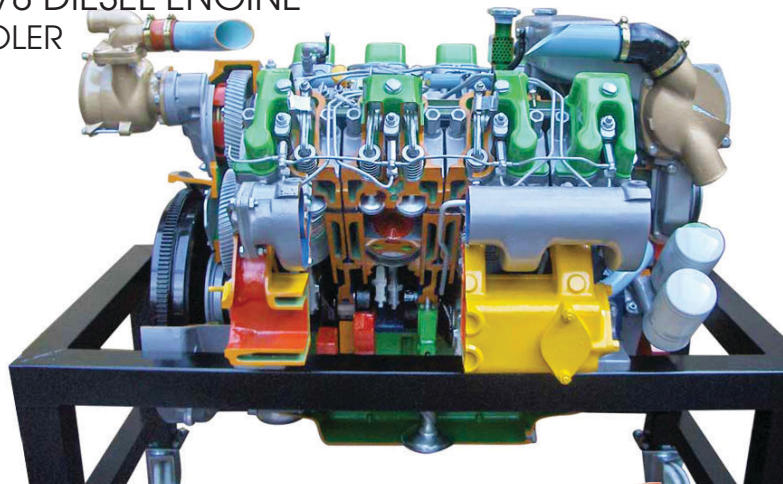
MARINE INBOARD V8 DIESEL ENGINE WITH TURBO INTERCOOLER

N98-ND7950HI



WEIGHT & DIMENSIONS

120cm x 185cm x 150cm (LxWxH)
Net Weight: 1260 kg
Gross Weight: 1650 kg



SPECIFICATIONS

- 4-Stroke diesel engine, V8
- Direct Injection
- Aspiration: Turbocharged Interrefridgerated
- Bore x stroke: 130mm x 140mm
- Total displacement: 14,858cc
- Freshwater engine cooling system with seawater heat exchanger
- Freshwater cooled exhaust manifold
- Bronze seawater circulating pump

DIESEL TRACTOR ENGINE INLINE-4

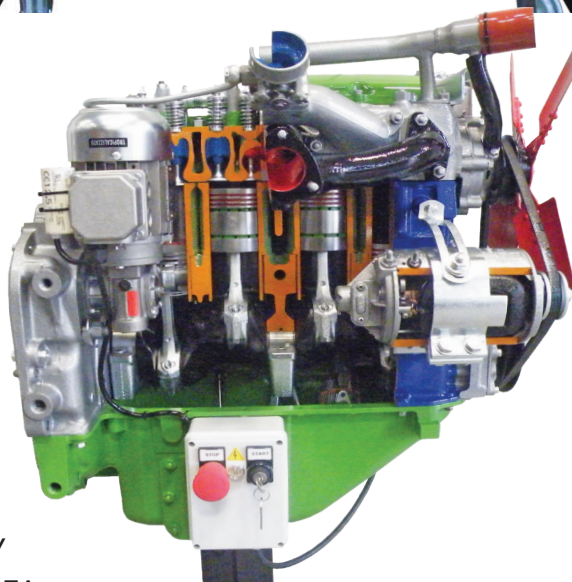
N98-ND6077



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WEIGHT & DIMENSIONS

90cm x 100cm x 100cm (LxWxH)
Net Weight: 280 kg
Gross Weight: 340 kg



AGRICULTURE

SPECIFICATIONS

- 4-Cylinder Diesel Tractor Engine FIAT 25R
- Displacement: 2,000cc
- Indirect injection
- Camshaft in the crankcase (OHV)
- Bosch in-line injection pump
- Timing gears
- Water cooled
- Gear oil pump
- Operates electrically at 120V
- Mounted on stand with wheels

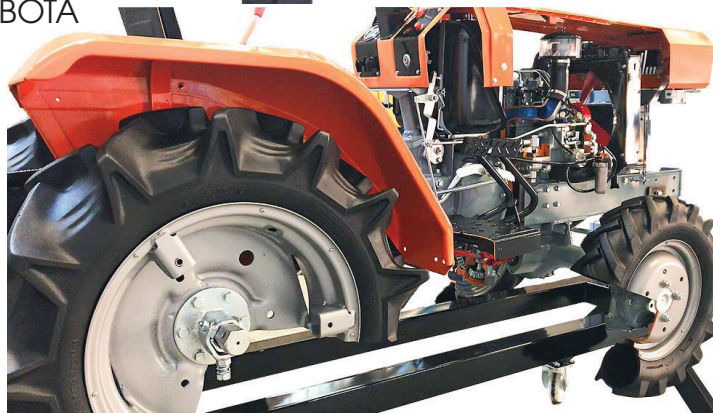
FARM TRACTOR CUT-AWAY 4-STROKE DIESEL ENGINE, KUBOTA

N98-ND8000



WEIGHT & DIMENSIONS

190cm x 110cm x 164cm (LxWxH)
Net Weight: 345 kg
Gross Weight: 500 kg

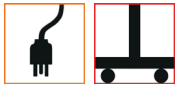


SPECIFICATIONS

- 4-Stroke diesel engine
- Water cooled
- Lubrication of trochoidal pump
- Inline injection pump
- Dry single-disk clutch
- Gearbox: 6 speeds + 2 reverse with gear reducer
- 2 speed power take-off
- Mechanical locking rear differential
- Rear drum brakes
- Sector steering gear box
- Operates electrically at 120V
- Mounted on stand with wheels

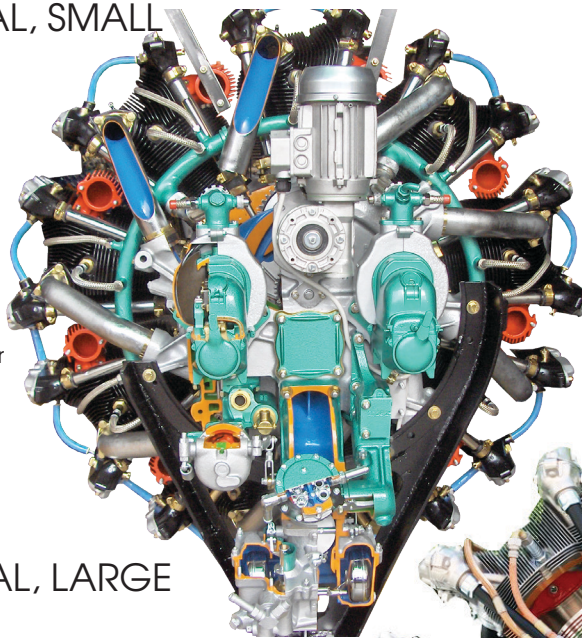
AIRCRAFT ENGINE, RADIAL, SMALL

N98-ND9280-S



SPECIFICATIONS

- Drive shaft with integral master rod and moving connection rods
- Air cooling system
- Double ignition (2 spark plugs per cylinder and 2 magnetos)
- Mounted on stand with wheels
- Operates electrically at 120V
- Includes Tool Box (25-Piece Metric Combination Set, 6-32mm)



WEIGHT & DIMENSIONS

120cm x 100cm x 140cm (LxWxH)
Net Weight: 240 kg
Gross Weight: 400 kg

AIRCRAFT ENGINE, RADIAL, LARGE

N98-ND9280-L

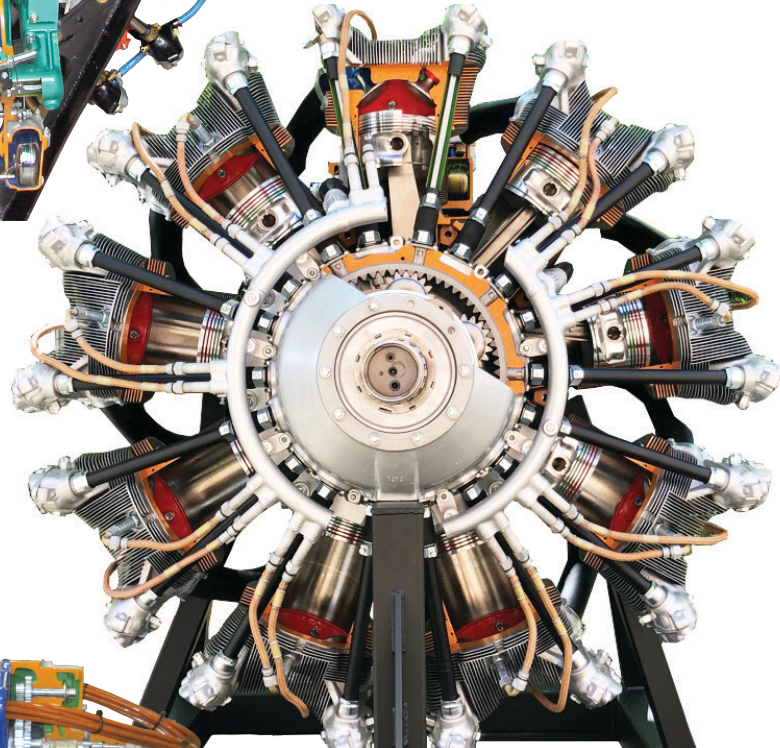


SPECIFICATIONS

- Drive shaft with integral master rod and moving connection rods
- Air cooling system
- Double ignition (2 spark plugs per cylinder and 2 magnetos)
- Mounted on stand with wheels
- Operates electrically at 120V
- Includes Tool Box (25-Piece Metric Combination Set, 6-32mm)

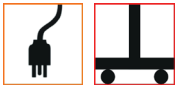
WEIGHT & DIMENSIONS

150cm x 140cm x 180cm (LxWxH)
Net Weight: 700 kg
Gross Weight: 850 kg



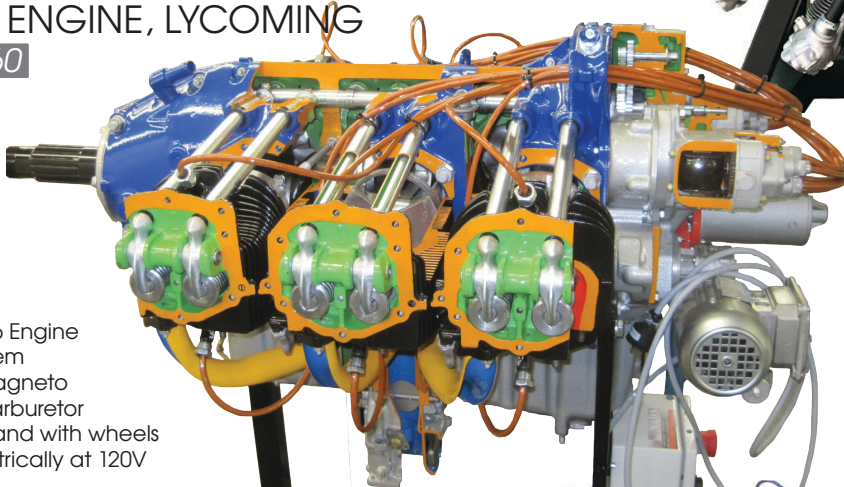
AIRCRAFT ENGINE, LYCOMING

N98-ND9260



SPECIFICATIONS

- Lycoming Flat-6 Engine
- Air cooled system
- Ignition with magneto
- Single barrel carburetor
- Mounted on stand with wheels
- Operated electrically at 120V



WEIGHT & DIMENSIONS

Size: 140cm x 110cm x 150cm (LxWxH)
Net Weight: 190 kg
Gross Weight: 280 kg

Also available: Lycoming
Flat-4 Engine

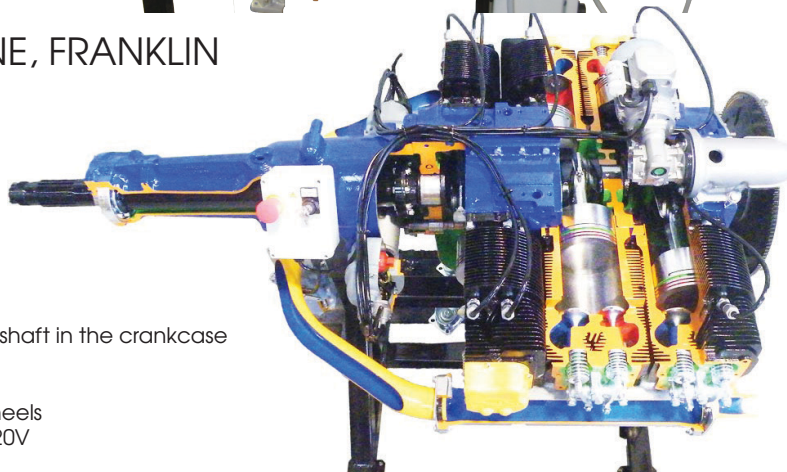
AIRCRAFT ENGINE, FRANKLIN

N98-ND9260-F6



SPECIFICATIONS

- Franklin Flat-6 Engine
- Air cooled system
- Gear distribution with camshaft in the crankcase
- Ignition with magneto
- Single barrel carburetor
- Mounted on stand with wheels
- Operated electrically at 120V



WEIGHT & DIMENSIONS

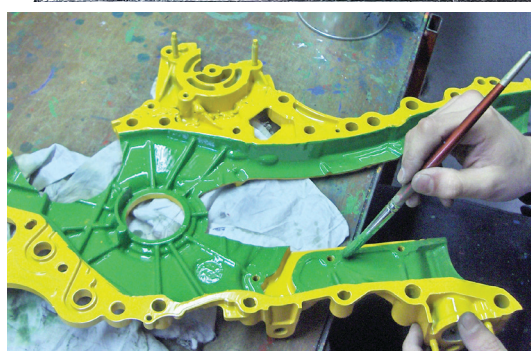
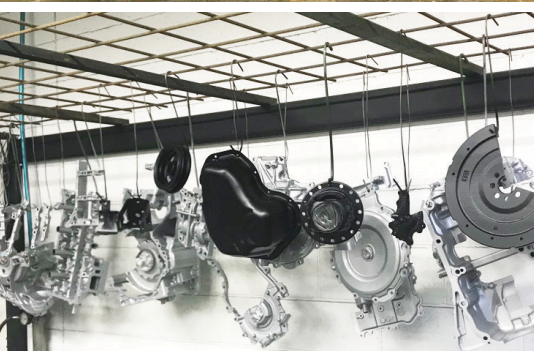
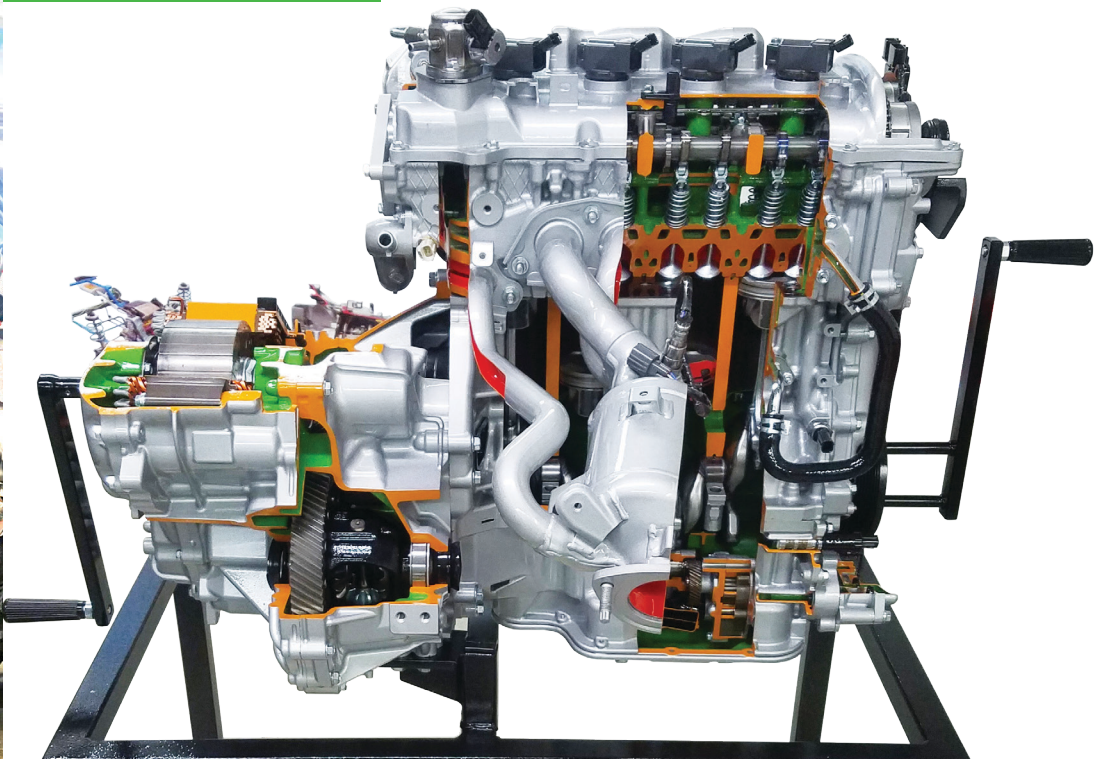
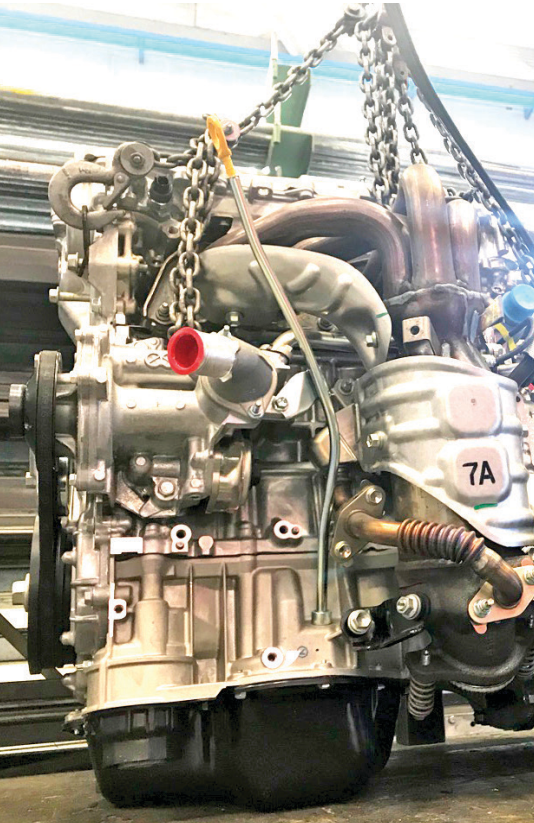
140cm x 110cm x 150cm (LxWxH)
Net Weight: 190 kg
Gross Weight: 280 kg

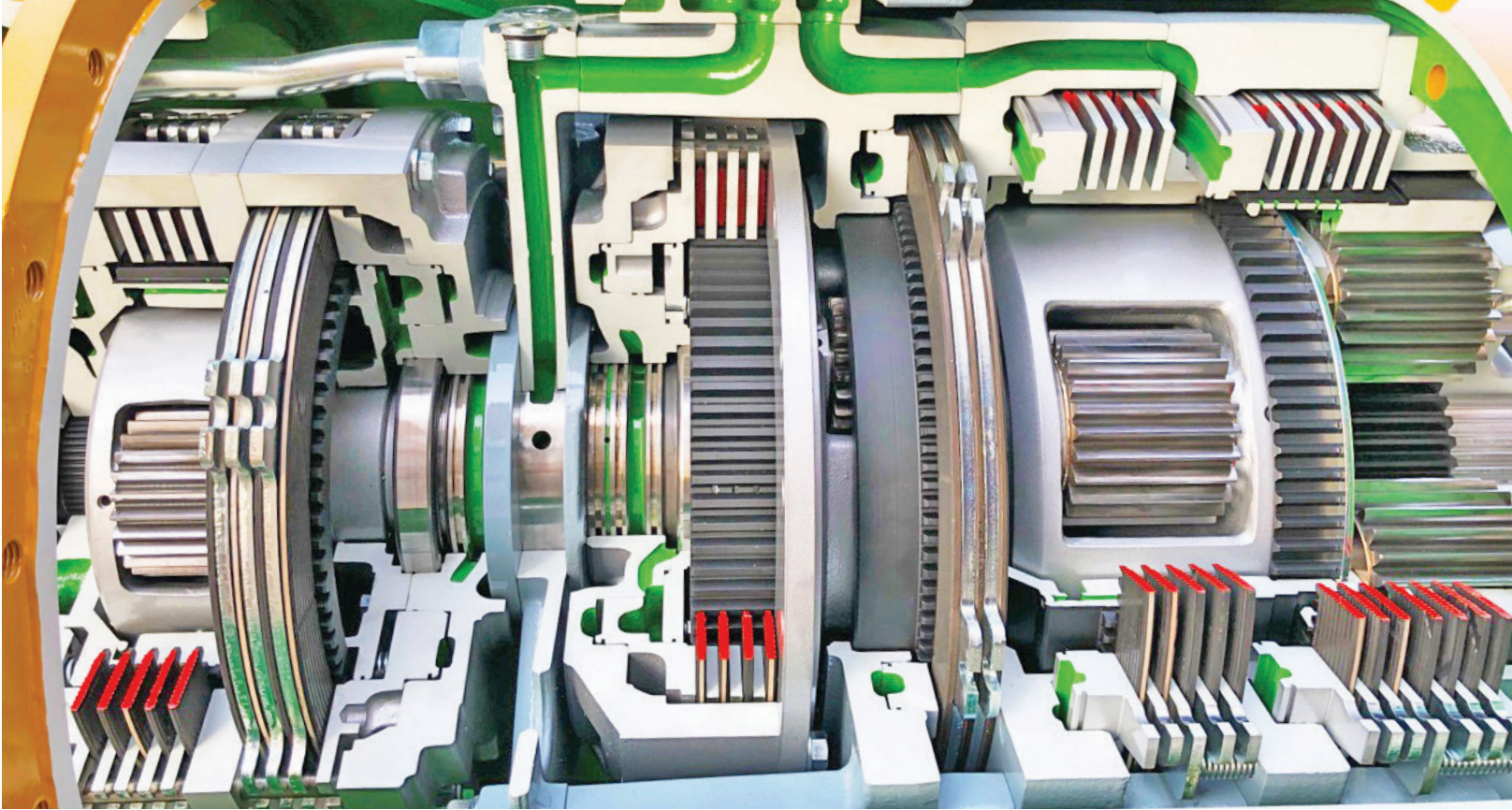
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TOYOTA HYBRID

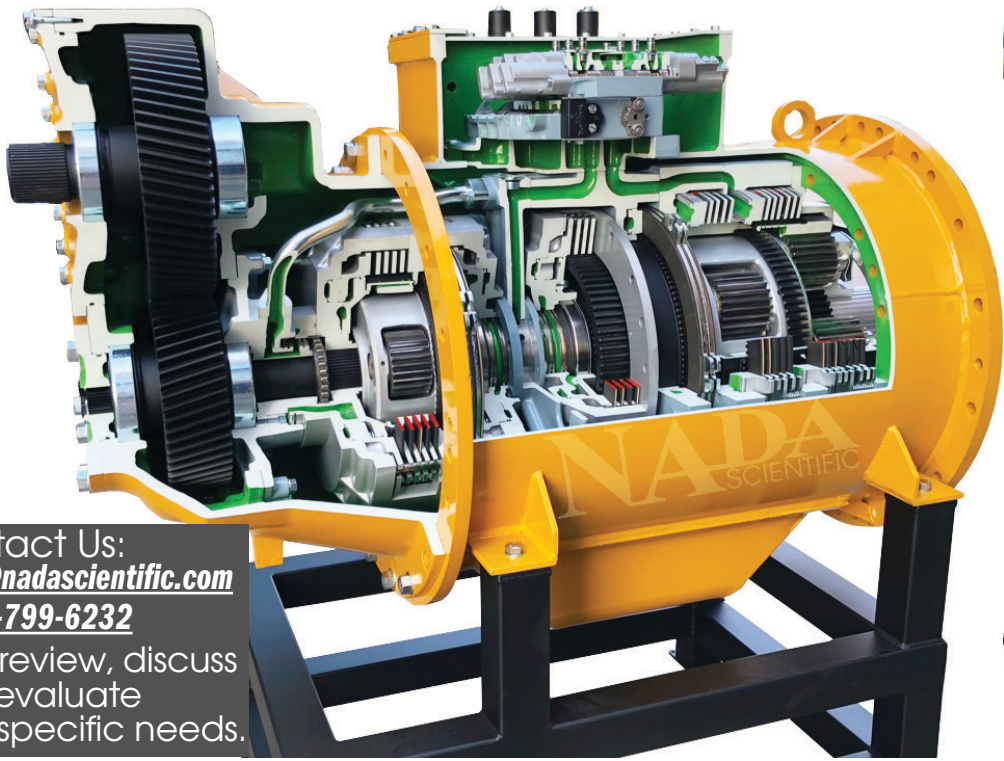
CUSTOM-BUILT





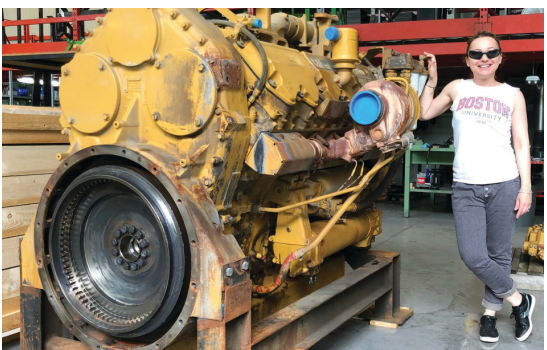
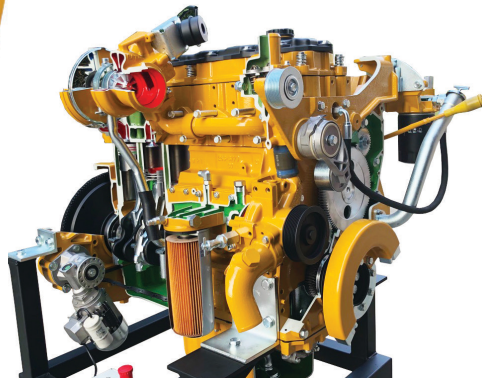
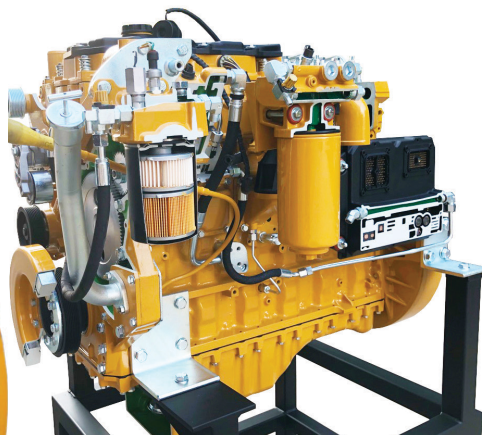
PROJECTS

CATERPILLAR C32



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 and evaluate
 your specific needs.





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