

A/C service unit COOLIUS Y50A

Order no. W050 115 033

**REFRIGERANT
R-1234yf**



Our reference in air conditioning service! Powerful and robust premium class service unit for fully automatic A/C service with the refrigerant R-1234yf with integrated refrigerant analysis unit.

Ideal for service on cars, vans, commercial vehicles, construction vehicles and agricultural vehicles.

Highlights

Smart refrigerant analysis

- Internally installed refrigerant analyser is fully integrated in the process of air conditioning service. Clear printout documents the composition of the ingredients of the analysed refrigerant.
- Intelligent triple filter system ensures that no oil, along with the refrigerant, enters the lines of the analyser and contaminates the unit. This innovation significantly raises the previously known state of the art and brings with it a considerable reduction of the maintenance effort.
- Even with a low residual refrigerant pressure in the air conditioning system of around 500 mbar, a reliable-refrigerant analysis can be carried out thanks to the ingenious system and software.
- Max. 1.5 g of refrigerant is needed for the analysis. This not only saves money, but also protects the environment.

Well thought-out operation and unique mobility

- Innovative data input with CooliusSelect: Convenient menu navigation and operation with navigation dial

Nitrogen/forming gas test

- Nitrogen/forming gas check integrated in the device software. This ensures binding documentation for the end customer

Clever documentation

- Readout and export of data via USB interface (Excel file)
- Enables the documentation of individual services and the evaluation of the total refrigerant consumption

Clean solution

- Automated cleaning of the A/C service unit circuit, making the unit immediately ready for the next Air conditioning service, no matter what type of oil
- Ready for hybrid and electric vehicles - Equipped with 2 fresh oil and 1 UV additive container
- Intelligent ‚Low-Emission‘ concept: Innovative process for waste oil drain ensures the lowest loss of refrigerant. This saves money, ensures safety and protects the environment
- High suction rate of the compressor allows recovery of almost 100% of the charged refrigerant

Service-friendly components

- Use of high-quality and specially matched components, allows a long service interval
- Fast and easy fault diagnosis with two analogue pressure gauges
- Additional pressure gauge for displaying the internal refrigerant cylinder pressure

No unwanted access

- Personalized access for the device can be set up. Personalized 4-digit password ensures access only for authorized persons



Innovative data input with CooliusSelect

Comfortable menu navigation and operation by navigation wheel



Intelligent ‚Low-Emission‘ concept

Innovative procedure for waste oil drain ensures the lowest refrigerant loss



Ready for hybrid and electric vehicles

Equipped with 2 fresh oil and 1 UV additive reservoir

Technical data

Dimensions	680 x 667 x 1175 mm
Weight	90 kg
Casing	Metal with robust plastic cover
Power	230 V / 50 Hz
Operating temperature range	+10 / +49 °C
Refrigerant	R-1234yf
Refrigerant tank	20 kg
Refrigerant scale	60 kg loadable
Max. operating pressure	20 bar
Refrigerant analyzer	Integrated
Compressor	3/8 HP
Recovery rate (liquid)	500 g/min
Built in nitrogen test	Automatic (Accessories necessary)
Non condensable gas discharge	Automatic
Main filter dryer (1 piece)	Type 660 Coaxial
Large ventilator for safe operation	D 172 mm
High recovery speed by cooling the compressor with a fan	D 172 mm
Monitoring of pressure increase in the A/C system	Automatic
Old oil discharge	Automatic
Old oil bottle capacity - sealed	250 ml
Öl / UV accuracy	± 2 g
Refrigerant recovery and charge accuracy	± 15 g
Vacuum pump capacity	128 l/min
Final pressure (McLeod abs)	0,05 mb
Electronic pressure sensor	Included
PAG / POE oil charge	Automatic

UV additive bottle capacity	100 ml
Refrigerant charge	Automatic
Flushing program	Included
Refrigerant management system	Included
Well-arranged display in four lines	4 x 20 characters
Acoustic signal	For errors and hints
Update of the vehicle data base	Via USB port
Set-up of own vehicle data base	Included
Integrated printer	With multiple printing
High pressure and low pressure valves	Electronically controlled
Pressure gauges (pulse free) LP + HP	CL 1.0 / D 80 mm
Pressure gauge for internal refrigerant tank pressure	CL 2.5 / D 40 mm
Parker quick couplers	SAE J639
Service hoses 3 m	SAE J2888
Extension kit service hoses	Optional
Service hoses compensation	Automatic
Certifications	CE-certification by TÜV Süd

Scope of delivery

A/C service unit COOLIIUS Y50A with integrated refrigerant analyser
Service hoses with standard couplers (length 3 m)
Stickers for the various oils and UV additives
Service booklet
Quick start guide (with website link for multi-lingual operating instructions)
Unit familiarisation (optional)
Vehicle fill quantity database

Have you also thought of materials and accessories such as refrigerant, oils, UV leak detection additive or UV LED flashlight?