



9000D-1234

MAYBACH



Mercedes-Benz



REV 0 2016_05

INTRODUCTION



Dear Customer,

With this further type-approval for **Brain Bee, Mercedes** is once again endorsing the technical solutions developed by the Brain Bee Group, which have been thoroughly and successfully tested in German plants.

After carefully choosing among the world's major Manufacturers and selecting those who could best represent the three-pointed star, **Mercedes** has entrusted Brain Bee with the manufacture of the new model "**9000D-1234**" in its Italian plants in Parma.

9000D-1234 provides the usual reliability, safety and user-friendliness of Brain Bee products, while adding an extreme accuracy and innovation, in line with the extremely high standards, that are flawlessly making Mercedes one of the most prestigious and most innovative makers worldwide.

Since the communication was sent to the **Mercedes Performance Center** we have already received positive feedbacks, so we really think this can be a great opportunity, **a new challenge to be faced!!!!!!**

A specific web page has been created where you can find useful information

www.brainbee.com/mercedes

EVERYTHING UNDER CONTROL

OUR COMPETITORS



Article	Picture
KONFORT 760R	
TEXA KONFORT 760R	

KONFORT 780R BI-GAS	
TEXA KONFORT 780R BI-GAS	

ADS 130D	
AVL ADS 130D	

9000D-1234	
BRAIN BEE 9000D-1234	

Considering that the **AVL** unit was manufactured in partnership with **BRAIN BEE**, we can fairly say that the type-approved technologies are those by Texa and by **BRAIN BEE !!!!!**

EVERYTHING UNDER CONTROL

9000D-1234 PRICES



9000D-1234

CODE 1010350300XX

CLIMA station HFO R-1234yf

TYPE-APPROVED BY DAIMLER (MERCEDES/SMART/MYBACH)

-PED Certification (97/23/EC) CAT III TÜV ITALIA

-CE marking

-Equipped with gas identifier HFO R-1234yf , 92% purity

For prices and discounts, please contact the EXPORT SALES MANAGERS



EVERYTHING UNDER CONTROL

SUGGESTED ACCESSORIES



FLUSHING KIT

CODE 1010350150XX

Flushing Kit for A/C SYSTEM

For prices and discounts, please contact the EXPORT SALES MANAGERS



EVERYTHING UNDER CONTROL

TECHNICAL SPECIFICATIONS



GENERAL TECHNICAL DATA	
Refrigerant Type	HFO1234yf
Nominal Voltage	230 VAC 50 Hz
Display	Graphic 4,3 inch WideScreen 480x272, 65536 colours
Keyboard	Resistive Touch
Pressure gauges	Analog HP, LP 80 mm, pulse-free, 1.0 class Digital for Vessel pressure
PC Interfaces	USB type-A with USB 2.0 key USB type-B with direct connection to PC
Max. operation pressure	20 bar
Hoses length	3 m
Service couplers	ECOLOCK®
Printer	Thermal 24 columns
HFO123yf purity check	>= 92%
Pressure Equipment Directive (97/23/EC)	Class III
Norms, Regulations	97/23/EC Pressure Equipment Directive 2004/108/EC Electromagnetic Compatibility Directive 2006/95/EC Low Voltage Directive EN 378-2:2009 EN 13136:2007 EN 61326-1:2006 EN 61010-1:2001
RECOVERY AND FILLING	
Recovery accuracy	± 15 gr
Filling Accuracy	± 15 gr
REFRIGERANT	
Refrigerant	HFO1234yf
Vessel capacity	12 litre
Load cell (kg)	60 kg
Recovery rate	>95%



EVERYTHING UNDER CONTROL

TECHNICAL SPECIFICATIONS



OIL / UV TRACER / FILTER	
Oil vessels	3 (New and Exhaust oil, Tracer)
Measurement method	Electronic scales
Oils container capacity [ml]	250
Load cell (kg)	15
Accuracy Oil / Tracer	± 2g
Non Condensable Gas Discharge	Automatic with AIR PURGE SYSTEM function
VACUUM PUMP / COMPRESSOR	
Vacuum pump type	HPV®
Ultimate pressure	0.02 mbar
Service interval	1000 h with LongLifePump procedure®
Vacuum pump oil quantity	0.6 l
Displacement	14 cc
DATABASE	
Vehicles HFO1234yf	European vehicle
Vehicle information	Filling quantity of coolant - required oil type
Database update	Via USB
Customer database (vehicle)	100 records
FUNCTIONAL DESCRIPTION	
Recovery, vacuum, recharge, oil injection	Automatic and manual
Automatic oil/tracer injection	Automatic with scale 1g resolution/ 2g accuracy
Leakage test	Automatic (vacuum test) Nitrogen Kit optional
Self test	Internal leakage test
System pressure diagnose	Automatic (LP and HP digital gauge)
Flushing	Required Flushing kit optional
Hybrid function	Optional with hybrid kit
GENERAL INFORMATION	
Weight	Appr. 95 kg
Dimensions	670x740x1200 mm
Operating Temperature	5 ... +50 °C
Storage Temperature	-25 ...+50 °C
Humidity	10 ... 90 % non condensing



EVERYTHING UNDER CONTROL

COMPETITORS' ANALYSIS: TEXA 760 R 1234





	9000 D	Konfort-760R	
Pneumatic	Vessel capacity (litres)	12	20
	Heating band function	YES	Optional
	Compressor capacity (cc)	14	11
	Safety pressure(bar)	20	20
	Discharge of non condensable gases	Automatic	Automatic
	Attainable vacuum level	0.02	N/A
	Charge technology	Conventional	Conventional
	Refrigerant level measurement	Scale	Scale
	Oil bottles capacity	0.25	0.3
	Scales	Oils scales	YES
Tracer scale		YES	YES
Blocking of vessel scale for transport purposes		YES	YES
Accessories	Charging hoses length (mt)	3	3
	HP and LP pressure gauges	Analogue	Analogue
	Dummy fittings for quick fittings protection	YES	YES
	Oil care	YES	YES
	Valves	Automatic	Automatic
	Service fittings	Ecolock	Standard
Functions	Warranty duration (months)	24	24
	Print report	YES	YES
	Multipass recycle	YES	NO
	Zero tolerance charging function	YES	NO
	Flushing	Built-in	Built-in
	HP-LP inversion(Renault)	YES	NO
	Pressure diagnostics	YES	YES
	Electric and hybrid vehicles	YES	YES
	'LongLifePump' pump oil regeneration	YES	NO
	Nitrogen leak test	Optional	NO
Data Bank	Remote control	Optional	NO
	Refrigerant capacity	YES	Optional
	Components location	NO	NO
	Technical data sheets	NO	Optional



PRICE LIST 6.440,00

UNIQUE FUNCTIONS PATENTED BY BRAIN BEE

- 1 ECO LOCK 
- 2 HPV HIGH PERFORMANCE VACUUM PUMP 

KEY PLUS POINTS

- 1 ECO LOCK
- 2 INTEGRATED ANALYSER
- 3 PRICE
- 4 SMALL VESSEL

EVERYTHING UNDER CONTROL

TEXA 760 R 1234

THE MAIN POINTS WE SHOULD FOCUS ON..



1



SAVING UP TO 1,50 € FOR EACH OPERATION: AT LEAST 200 €/YEAR !!!!

Thanks to the **ECOLOCK®** coupler patented by **BRAIN BEE** there is no outflow of refrigerant, not even upon disconnection: this means saving **10 gr** of refrigerant for each connection, which, at a cost of **150 € /kg** amounts to approximately **1,5 €**

2



INTEGRATED, NON BUILT-IN, ANALYSER

In case of contaminated refrigerant, the analyser will require cleaning the whole contaminated part of the circuit (fittings, hoses, inner part, etc.) for **about 1 hour** of work, provided this can be done without changing the hoses. With the integrated analyser, this is not needed: all you have to do is clean or replace the analyser tube and it will take just **a few minutes**

3

PRICE

The price is definitely a key factor but it should not be the only one, nor the most important one, because our performance is the aspect that should mostly be underlined. **Better performance and better price is an ideal combination**

EVERYTHING UNDER CONTROL

TEXA 760 R 1234

THE MAIN POINTS WE SHOULD FOCUS ON..



4

SMALL SIZE

Unlike what happens with **R 134**, with **HFO1234** a smaller vessel (yet with a suitable capacity) is more profitable because the minimum quantity of refrigerant that should be kept in the vessel is smaller.

Comparing the **20kg** and the **12kg** vessel, this quantity differs by approximately **1 kg**, which is about **150,00 €**

COMPETITORS' ANALYSIS: TEXA 780R BIGAS



		9000 D	Konfort-780R BIGAS
Pneumatic	Vessel capacity (litres)	12	20
	Heating band function	YES	Optional
	Compressor capacity (cc)	14	11
	Safety pressure(bar)	20	20
	Discharge of non condensable gases	Automatic	Automatic
	Attainable vacuum level	0,02	N/A
	Charge technology	Conventional	Conventional
	Refrigerant level measurement	Scale	Scale
	Oil bottles capacity	0,25	0,3
Scales	Oils scales	YES	YES
	Tracer scale	YES	YES
	Blocking of vessel scale for transport purposes	YES	YES
Accessories	Charging hoses length (mt)	3	3
	HP and LP pressure gauges	Analogue	Analogue
	Dummy fittings for quick fittings protection	YES	YES
	Oil care	YES	YES
	Valves	Automatic	Automatic
	Service fittings	Ecolock	Standard
	Warranty duration (months)	24	24
Functions	Print report	YES	YES
	Multipass recycle	YES	NO
	Zero tolerance charging function	YES	NO
	Flushing	Built-in	Built-in
	HP-LP inversion(Renault)	YES	NO
	Pressure diagnostics	YES	YES
	Electric and hybrid vehicles	YES	YES
	'LongLifePump' pump oil regeneration	YES	NO
	Nitrogen leak test	Optional	NO
	Remote control	Optional	NO
Data Bank	Refrigerant capacity	YES	Optional
	Components location	NO	NO
	Technical data sheets	NO	Optional



PRICE LIST
8.100,00

UNIQUE FUNCTIONS PATENTED BY BRAIN BEE

1 ECO LOCK



2 HPV HIGH PERFORMANCE VACUUM PUMP



KEY PLUS POINTS

1 ECO LOCK

2 INTEGRATED ANALYSER

3 TWO SEPARATE STATIONS ARE BETTER

4 SMALL VESSEL

EVERYTHING UNDER CONTROL

TEXA 780R BIGAS

THE MAIN POINTS WE SHOULD FOCUS ON..



1



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INTEGRATED, NON BUILT-IN, ANALYSER

In case of contaminated refrigerant, the analyser will require cleaning the whole contaminated part of the circuit (fittings, hoses, inner part, etc.) for **about 1 hour** of work, provided this can be done without changing the hoses. With the integrated analyser, this is not needed: all you have to do is clean or replace the analyser tube and it will take just **a few minutes**

3

TWO SEPARATE STATIONS ARE BETTER

With one single station, the operator is limited to one operation at a time, either with R134 or HFO1234yf. In case of failure, the operator cannot work. Besides, upon each operation the unit must be flushed to remove any trace of the previous refrigerant

EVERYTHING UNDER CONTROL

TEXA 780R BIGAS

THE MAIN POINTS WE SHOULD FOCUS ON..



4

SMALL VESSEL

Unlike what happens with **R 134**, with **HFO1234** a smaller vessel (yet with a suitable capacity) is more profitable because the minimum quantity of refrigerant that should be kept in the vessel is smaller.

Comparing the **20kg** and the **12kg** vessel, this quantity differs by approximately **1 kg**, which is about **150,00 €**

COMPETITORS' ANALYSIS: AVL ADS 130D



	9000 D	ADS130D	
Pneumatic	Vessel capacity (litres)	12	20
	Heating band function	YES	YES
	Compressor capacity (cc)	14	14
	Safety pressure(bar)	20	20
	Discharge of non condensable gases	Automatic	Automatic
	Attainable vacuum level	0,02	0,02
	Charge technology	Conventional	Conventional
	Refrigerant level measurement	Scale	Scale
	Oil bottles capacity	0,25	0,25
	Scales	Oils scales	YES
Tracer scale		YES	YES
Blocking of vessel scale for transport purposes		YES	YES
Accessories	Charging hoses length (mt)	3	3
	HP and LP pressure gauges	Analogue	Digital
	Dummy fittings for quick fittings protection	YES	YES
	Oil care	YES	YES
	Valves	Automatic	Automatic
	Service fittings	Ecolock	Ecolock
	Warranty duration (months)	24	12
Functions	Print report	YES	YES
	Multipass recycle	YES	YES
	Zero tolerance charging function	YES	YES
	Flushing	Built-in	Built-in
	HP-LP inversion(Renault)	YES	YES
	Pressure diagnostics	YES	YES
	Electric and hybrid vehicles	YES	YES
	'LongLifePump' pump oil regeneration	YES	YES
	Nitrogen leak test	Optional	Optional
	Remote control	Optional	Optional
Data Bank	Refrigerant capacity	YES	YES
	Components location	NO	NO
	Technical data sheets	NO	NO



PRICE LIST 4.800,00

UNIQUE FUNCTIONS PATENTED BY BRAIN BEE

1

ECO LOCK



2

HPV HIGH PERFORMANCE
VACUUM PUMP



KEY PLUS POINTS

1

PRICE

2

SMALL VESSEL

3

WARRANTY

EVERYTHING UNDER CONTROL

AVL ADS 130D

THE MAIN POINTS WE SHOULD FOCUS ON..



1

PRICE

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3

WARRANTY DURATION

24 Months instead of the standard 12

EVERYTHING UNDER CONTROL

THE MARKET, THE STRATEGIES



Mercedes has sent the communication in the attachment to all the **Mercedes Performance Center (MPC)**, which are the MERCEDES references in the different countries.

The MPCs will then deliver the communication to the **dealerships**

From September 2016, the first vehicles of **A-, B-, C-Classes** will come on the market

It will thus be necessary to start contacting, as from now, the Mercedes, Smart and Maybach dealerships, with the attached communication and promote the product.

We will contact all the **MPCs** to promote the product and find possible framework agreements with the involvement of the network

It is a great opportunity, let's seize it !!!!!!!



GOOD LUCK WITH YOUR WORK!!!!!!!!!!!!!! MAYBACH



END



THANK YOU

Paul Cook

EVERYTHING UNDER CONTROL