

**NEW**  
HIGH RESOLUTION DISPLAY

# 6000 PLUS

EASY TYPE  
**GAS R-134a**



The easiest A/C solution among the top performers.

It has been designed to meet the needs of professionals looking for the best performance, the easiest way.

## BEST PERFORMANCE. OUTPERFORMING ASSET

With **6000 PLUS** you can bring all "Made in Brain Bee" cutting edge technology to your garage with a very high value for money. It takes advantage of Brain Bee R&D achievements on top level A/C stations while optimizing its architecture and functions to become a **minimal, compact and user-friendly station**.

Extremely versatile, compact in size and light in weight, **6000 PLUS** is the ideal partner in your garage, **either as your main A/C station or as an additional station**: its features assure you stay productive everywhere.

## EVERYTHING UNDER CONTROL

**6000 PLUS** has been designed so as to make it extremely easy to handle and store. Just 65 Kg, it is therefore highly manoeuvrable. Its wheels have been specifically designed to let the station spin around its main axis and make it very easy to move around where space is a limited resource.

The (routine and extraordinary) maintenance strategy of **6000 PLUS** has been inspired by the same concept of the overall design: ease of use and operation.

All parts and components subjected to wear and needing regular maintenance (e.g. the dryer filter – the replacement of which depends on the number of

recharge services performed in the garage) have been placed so to be very easily reachable and accessible by non-experts technicians too, therefore minimizing the machine downtime costs and ensuring **6000 PLUS** uninterrupted and steady performance.

Taps have been replaced by the same highly effective and efficient automatic flow regulating system that equips the high-end A/C stations to assure the smoothest, fastest and easiest recharge operations.

### **AIR PURGE SYSTEM** TOTAL AUTOMATIC NON-CONDENSABLES CONTROL

**AIR PURGE SYSTEM** is the new exclusive function by BRAIN BEE, **present throughout the whole range**, that helps the operator **knowingly manage the discharge of non-condensable gases**, replacing the traditional manual check performed using the vessel pressure gauge.

**ADVANTAGE:** Through the special software, discharge of non-condensable gases is only proposed when actually required. The operator can always decide when to perform the operation, always keeping full control over the Station.

### **OIL CLEAN** NO MORE WASTE

Often hindered by environmental factors (e.g.: temperature), failure to eliminate residual oil in the station will jeopardize the accuracy of the following charge, causing **waste** (of new oil) and **ineffective results**.

Thanks to the **OIL CLEAN** function, **6000 PLUS** can force recovered oil discharge in the final phase, **allowing to save gas** (normally used by traditional technology to ease oil discharge).

**ADVANTAGE: OIL CLEAN** allows maintaining your recharge station **top efficiency**.

Calculation of the new oil quantity to be injected into the vehicle will always be extremely **accurate**, from the first to very last charge of the day, regardless of the environmental conditions.



## 100% RECHARGE

**SUPER CHARGE** exploits the station operation to obtain the same condition that would otherwise be created by means of vessel heating systems. And results are **even remarkably better!**

**ADVANTAGE:** Under any climatic condition, refrigerant recovery from a vehicle is perfect, complete and always guaranteed. The following recharge will hence take less time, **without any additional support function**, and will thus result in reduced power consumptions.



## HPV VACUUM BEYOND COMPARE

As the other BRAIN BEE stations, **6000 PLUS** is equipped with an **HPV - High Performance Vacuum Pump**, ensuring undoubted performance.

Even in comparison with larger capacity pumps, the **HPV PUMP** is still the winner: both in the first recharge of the day ("idle" condition), and in case of pump oil already "degassed", typical of an A/C station that has been running for several minutes, the HPV PUMP **reaches the best vacuum level more rapidly** (4 minutes earlier than a double-capacity pump); furthermore, after the first 20 minutes of vacuum, **it even reaches a lower vacuum level, thus ensuring improved operating efficiency**.

**ADVANTAGE:** The **HPV PUMP** can reach better vacuum levels **earlier**, ensuring **performance and efficiency** when recovering refrigerant from the vehicle.



# THE ALLY OF AGRICULTURAL MACHINES

**6000 PLUS** can be integrated with the new **AGRI&WORK FUNCTION** (option). Ideal for the management of **agricultural** and **earth-moving machinery**, this feature requires the activation of the special **AGRI & WORK FUNCTION** and the use of the **CLIMA AGRI DATABASE**.

These two allow to manage, via software, a combined series of gas recovery

and injection phases, which are synchronized to achieve the **best charge level**.

**ADVANTAGE:** the function allows achieving the top efficiency, without any waste, under any A/C recharge condition, **even on work machinery for which the gas charge quantity is not known beforehand**.



## LONG LIFE PUMP

**LONG LIFE PUMP** (patent) is the special function allowing an extension of up to **1.000 hours** of the average life of the pump oil used in the station.

It can be activated when the station is not used, and allows for the automatic execution of a cycle of oil regeneration. Oil is hence purified and has a longer life cycle, thus **reducing operating costs**.

## DATABASE

**6000 PLUS** is equipped with the most comprehensive **database for R134a** on the market, which can be easily updated via **USP PORT**.

With unlimited validity, it automatically provides for the specific recharge parameters for the vehicle being serviced. All the phases of the planned service are thus optimized and top performance is guaranteed.



## ECO LOCK® COUPLERS

**6000 PLUS** is equipped with **ECO LOCK**® quick couplers, **BRAIN BEE PATENT**, allowing for the reduction of gas quantities, safeguarding of operators' safety and providing a **strong contribution for the protection of the environment**.

Its operation allows preventing the typical 'puff' effect, that is to say dispersion of refrigerant in the environment that usually occurs during the detachment of recharge hoses from the vehicle circuit.

## PRINTER

**6000 PLUS** can be accessorized with a printer (option, with specific KIT)



## N-LEAK TEST (LEAK TEST WITH NITROGEN)

The whole **BRAIN BEE CLIMA LINE** is now equipped with the **N-LEAK TEST** function. Usually available on **TOP RANGE** models only, this function can be easily activated on **6000 PLUS** as well, with the specific **KIT (OPTION)**, allowing the execution of **LEAK TESTS** when the A/C system is under pressure conditions.

## TECHNICAL FEATURES

|   |                         |
|---|-------------------------|
| GAS TYPE  | R-134A                  |
| DISPLAY   | GRAPHIC MONOCHROME      |
| PRINTER   | OPTIONAL                |
| SOFTWARE UPDATE                                     | USB                     |
| VESSEL LEVEL MEASUREMENT                            | ELECTRONIC SCALE        |
| MAX OPERATING PRESSURE PE                           | 20 BAR                  |
| PED CATEGORY  | II                      |
| CLIMA DATABASE - CARS ONLY                          | ✓ R-134A                |
| DRAIN OIL CONTAINER                                 | 250 ML                  |
| PAG INJECTION OIL CONTAINER                         | 250 ML                  |
| POE INJECTION OIL CONTAINER                         | OPTIONAL (HYBRID KIT)   |
| UV DYE CONTAINER                                    | -                       |
| OIL CARE VALVE (NEW PAG OIL CONTAINER)              | ✓                       |
| VACUUM LEVEL  | 0,02 MBAR               |
| COMPRESSOR  | 8 CC                    |
| PRESSURE SAFETY SWITCH                              | ✓                       |
| DEHYDRATING FILTER CAPACITY (RECOVERED REFRIGERANT) | 27 KG                   |
| NON-CONDENSING VENT VALVE                           | MANUAL                  |
| HP AND LP TAPS                                      | AUTOMATIC               |
| FILLING HOSES LENGTH                                | 3 M                     |
| HP AND LP   | ANALOG 80 MM PULSE-FREE |
| ECO LOCK  | PATENTED ✓              |
| INTERIOR + EXTERIOR FLUSHING (W/KIT)                | ✓ (*)                   |
| INTERIOR + EXTERIOR FLUSHING VAS (W/KIT)            | -                       |
| VESSEL HEATER FUNCTION                              | PATENTED ✓ SUPER CHARGE |
| AIR PURGE SYSTEM FUNCTION                           | ✓                       |
| AGRI&WORK   | ✓ (*)                   |
| OIL CLEAN   | ✓                       |
| HPV PUMP  | ✓                       |
| MULTIPASS FUNCTION                                  | ✓                       |
| UV TRACER FUNCTION                                  | -                       |
| HYBRID FUNCTION                                     | ✓ (*)                   |
| N-LEAK TEST - WITH NITROGEN                         | ✓ (*)                   |
| LONG LIFE PUMP                                      | PATENTED ✓              |
| POWER SUPPLY  | 230 V - 50HZ - 800 W    |

(\*) W/ OPTIONAL KIT

## SPECIAL FUNCTIONS

### AIR PURGE SYSTEM

### SUPER CHARGE

### OIL CLEAN

### AGRI&WORK (OPTION)

### HPV PUMP

### LONG LIFE PUMP

### ECO LOCK®

**MULTIPASS** enables additional closed circuit filtering of the recovered cooling fluid

**FLUSHING** (with OPTIONAL kit)

**NITROGEN LEAK TEST** (with OPTIONAL kit)

**HYBRID FUNCTION** (with OPTIONAL kit). With this function, residual oil within the station can be completely replaced, with a view to preventing contamination between the oils used on traditional engine vehicles and those specifically used on hybrid or vehicles.

**AIR-TIGHT OIL CARE CONTAINERS**, preventing contact with air

**NON-CONDENSING VENT VALVE** accessible from outside the chassis, it lets any air still present in the pipes to be expelled, thus speeding up the recovery phase and ensuring greater purity of vessel refrigerant

**MADE IN BRAIN BEE** all components and manufacturing are exclusively of European origin

Overall dimensions: 617 x 532 x 957 mm (WxDxH)

Weight: 65 kg

Recharge vessel: 12 l

### OPTIONS

- AGRI&WORK
- HYBRID FUNCTION KIT
- NITROGEN LEAK TEST KIT

- FLUSHING KIT
- PRINTER



GEMCO Equipment Ltd  
153/165 Bridge Street Northampton,  
Northamptonshire  
NN1 1QG  
Tel. +44 (0) 1604 828 600  
www.gemco.co.uk - sales@gemco.co.uk



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