eComfort 100 100% fresh air in the driver cabin.
Reducing the risk of COVID-19.

Draws fresh air from outside of the vehicle ensuring driver is protected from re-circulated air and reduces the risk of COVID-19 from passengers and airborne contaminants. Using 100% fresh air C100 significantly reduces the risk of virus transmission. Driver cabin area is being pressurised when the C100FA System is in use. This prevents 'unclean' air from the saloon passing into the driver cabin.

eComfort

Suitable for Diesel, CNG, Hybrid & Electric vehicles

Plug and Play solution

Driver Protection
against COVID-19

Ultra Low profile

100% fresh air

Driver protection

Creating the future of thermal management

Grayson
THERMAL SYSTEMS

GL1062PG3B Issue 1

eComfort

The C100 Fresh Air system can provide up to 200 changes of air per hour. (Depending on vehicle type).

Available in Heat & Cool and Cool only

Why is COVID-19 making a 100% Fresh Air System the best option for public transport vehicles?

Dr Lena Ciric has said – "I think at the moment, while we are still grappling with this (pandemic), the emphasis absolutely needs to be on introducing fresh-air and stopping the recirculation of air as well." https://www.theguardian.com/science/audio/2020/jun/16/covid-19-should-we-be-concerned-about-air-conditioning-podcast

"A driver who turns on the "fresh air" settings, and selectively uses roof hatches and air blowers, can reduce COVID-19 transmission risks. Installing barriers between the driver and passengers also reduces risk to drivers, who spend long hours in tight quarters. Buses that cannot draw in fresh air in the front of the vehicle should be taken off the road, says Sherlock, who worked on the coronavirus project with engineers at the University of Washington's Aerodynamics Department and the Virginia Tech Transportation Institute." https://prospect.org/coronavirus/reducing-risks-in-the-air-on-buses/

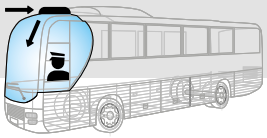
eComfort 100 | *Cool only*

System overview

The eComfort 100 Cool only is an air conditioning unit designed primarily for driver cooling and now has Fresh Air option to provide the very best protection and satisfaction to drivers. 3.3kW / 11260 BTU/h of constant cooling performance is delivered in an extremely low package height of 225mm / 9". A convenient plug and play solution that is delivered and ready for use.

Features & Benefits

- Airflow 750m³/h / 441 CFM brushless blower
- Power consumption less than 55A
- Compressor overload protection 50A
- Plug and play solution
- Exceptionally low height of 225mm / 9"
- Environmentally friendly
- Operating ambient up to 45°C / 113°F
- 1300mmx1002mmx225mm / 51"x39"x9"
- System suitable for OEM Installation and Aftermarket Retrofit
- A lightweight product in the eComfort range
- 2 year warranty as standard (extended warranty available)
- The eComfort 100 Refrigerant type is R134a
- 100% Fresh Air
- Nominal cooling capacity 3.3kW / 11260 BTU/h by 27°C / 80.6°F dry bulb temp and 50% RH & 35°C / 95°F ambient.
- Maximum cooling capacity 3.8kW / 12966 BTU/h
- Est 48kg / 105.6lb



eComfort 100 | *Heat & Cool*

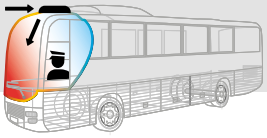
System overview

The eComfort 100 Heat & Cool is a Driver cabin reversible heat pump capable of heating and cooling the driver cabin using Fresh Air from outside of the vehicle. This lightweight solution is delivered in an extremely low package height of 225mm / 9".

Features & Benefits

Heat & Cool version includes all the benefits of the Cool only plus the following:

- Heat output exceeds energy input
- Reversible heat pump offering driver heating and cooling
- Proven components, reducing vehicle down time
- Innovative design for electric vehicles
- Nominal cooling capacity 3.3kW / 11260 BTU/h by 27°C / 80.6°F dry bulb temp and 50% RH & 35°C / 95°F ambient.
- Operating in environments from -5°C / 41°F to 40°C / 104°F
- 100% Fresh Air
- 1300mmx1002mmx225mm / 51"x39"x9"
- Est 48kg / 105.6lb
- System suitable for OEM Installation and Aftermarket Retrofit



2 year warranty extended available

Environmentally Friendly solution

Ultra Low profile

Driver protection

Lightweight solution

Plug and Play solution

eMOBILITY RANGE

We are here to help! Contact us for assistance...

+44 (0)121 700 5600 **+44 (0)121 700 5601**
sales@graysonts.com **graysonts.com**

Wharfdale House, 257 Wharfdale Road, Tyseley, Birmingham B11 2DP, UK

GRAYSON CORP USA

+1 (317) 739-3290
sales-northamerica@graysonts.com

980 Hurricane Road, Franklin, Indiana, IN 46131, USA

Follow us *on social media:* **@GraysonTS** **grayson-thermal-systems**

GL1062PG3B Issue 1