# KAELO

# **Product Technical Document**

01/10/16



### Contents

1.0	Overall Drawings & Diagrams3
1.1	General Description of Machinery
1.2	Overall Drawing of Machine4
2.0	Detailed Design Information5
2.1	Mechanical Parts List
2.2	Electrical Parts List
2.3	Component Data Sheets6
2.4	RoHS Compliance Information7
3.0	Inspection Reports
3.1	Conformance Reports
4.0	Quality Control9
4.1	Functional/Operational Test Procedure9
5.0	Instructions9
5.1	Specifications & Ratings9
5.2	Noise Declaration9
5.3	Safety Instructions9
5.4	Installation10
5.5	Operation
5.6	Maintenance
6.0	Miscellaneous11
6.1	EC Declaration of Conformity11

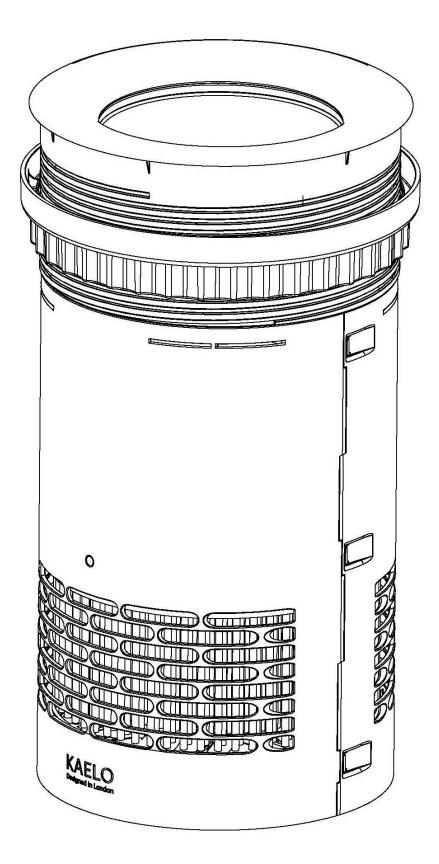
# 1.0 Overall Drawings & Diagrams

# **1.1 General Description of Machinery**

Kaelo is a luxury bottle cooler, providing the ultimate experience when consuming champagne, fine wines and premium spirits. Kaelo creates a consistently cold and dry environment to maintain a chilled bottle at its perfect serving temperature. The Kaelo's entire bezel is touch sensitive and is turned on with one touch. Once on; it will cool within minutes, with a halo of light around the bezel to show that the Kaelo is switched on. Kaelo's 360° illumination can be personalised through a spectrum of colours to compliment the desired ambience of your space. To do this touch the bezel 3 times, then scroll through the colours by touching the bezel repeatedly. Touching the bezel 4 times will make the halo gently fade through the full colour spectrum. The Kaelo will enter standby mode after 2 hours unless it is reactivated by touching the bezel.

<u>Overall Dimensions</u> Main Body Diameter: 152mm Hole in Counter: 154mm Bezel Diameter: 162mm Product Height: 301mm Product Weight: 1.8kg

# 1.2 Overall Drawing of Machine



# 2.0 Detailed Design Information

# 2.1 Mechanical Parts List

<u>1. Fan</u>

Voltage Rating: 12V Speed: 1000rpm Static Pressure: 0.76mm/H2O Noise Level: 18.8Db

# 2.2 Electrical Parts List

<u>1. Kaelo</u>

Model: K1.B01

2. Power Supply

SW4333-B Supplied by Power Pax

### 2.3 Component Data Sheets

### Power Pack Data Sheet (available from <a href="http://www.powerpax.co.uk">www.powerpax.co.uk</a>)



PowerPax, Unit 5 Kennet Weir Business Park, Arrowhead Road, Reading, RG7 4AD, T: +44 (0) 118 903 3290 W: www.powerpax.co.uk

# 2.4 RoHS Compliance Information

The object of the declaration described is in conformity with the relevant Union harmonisation legislation:

2011/65/EU	The Restriction of Hazardous Substances Directiv
2011/03/10	

*Conformity is shown by compliance with the applicable requirements of the following documents:* 

Article 3.1(a)	Electrical Safety
EN 60335-1:2012 + A11:2014	Household and similar electrical appliances. Safety. General requirements
CISPR 22, EN 55022 Class B + EN 60950	Information technology equipment. Radio disturbance characteristics. Limits and methods of measurement. IT safety general requirements

# **3.0 Inspection Reports**

# 3.1 Conformance Reports

EUD	coloration of Conformity (No. 001)
	eclaration of Conformity (No. 001) In accordance with EN ISO 17050-1:2010
Object of the declaration	r -
Product	Wine Cooler
Model/type	Kaelo - Model K1.B01
Batch/serial no.	KB#####
The object of the declara	Kaelo Manufacturing Ltd. Coppergate House, London E1 7NJ ued under the sole responsibility of the manufacturer ation described above is in conformity with the relevant Union
harmonisation legislatior	n:
2011/65/EU	The Restriction of Hazardous Substances Directive
Conformity is shown by o documents:	compliance with the applicable requirements of the following
Reference & Date	Title
Article 3.1(a) – Electric EN 60335-1:2012 +	anne ann an Anna anna an Anna anna an Anna an Anna an An
A11:2014	Household and similar electrical appliances. Safety. General requirements
CISPR 22, EN 55022 Class B + EN 60950	Information technology equipment. Radio disturbance characteristics. Limits and methods of measurement. IT safety general requirements
Place of issue:	Kaelo Manufacturing Ltd.
	The above address
Date of issue:	The above address 01/08/16
Date of issue: Name:	The above address 01/08/16 Kevin Jabou
Date of issue:	The above address 01/08/16

# 4.0 Quality Control

### 4.1 Functional/Operational Test Procedure

Upon assembly, each Kaelo is tested for thermal performance for a period of 20 minutes. Accurate temperature measuring devices are used in this testing process.

This amount of testing time is ample to ensure that the product reaches and maintains the desired temperature.

# **5.0 Instructions**

### 5.1 Specifications & Ratings

<u>Kaelo Device</u> 12V maximum 86W power <u>Power Pack</u> 12Vdc

7.5A 90W

# 5.2 Noise Declaration

The only noise produced by the Kaelo is the fan. The fan has a noise level of 18.1 which is virtually silent as it is housed within the product. Any noise is reduced further due to the fact that the underside of the Kaelo is stored within a counter or beneath a surface.

# 5.3 Safety Instructions

The Kaelo is designed for use indoors and may become damaged or suffer a loss of function if used/stored outside.

### 5.4 Installation

The Kaelo is installed by lowering it into a pre-cut hole of 154mm diameter. The clamp is then screwed onto the underside of the Kaelo to secure it to the counter/surface it has been put into.

The underside of the installation counter/surface needs to have a plentiful supply of ambient air to ensure correct function of the Kaelo. Enclosed spaces can accept a Kaelo with the use of the ducting equipment provided with each Kaelo.

### 5.5 Operation

To activate the Kaelo, simply touch any part of the bezel with your finger. The Kaelo features a smart-touch bezel to customise its illumination.

Too change the illumination colour, tap the bezel three times then scroll through the colours by touching the bezel repeatedly. To lock in a colour, do not touch the bezel for 5 seconds. Touching the bezel 4 times will gently fade the halo colour through the full spectrum.

Once activated, a Kaelo will remain on for 2 hours, then go into standby mode. Touching the bezel at any point during the 2-hour cycle will reset it.

### 5.6 Maintenance

Once a Kaelo is fitted and in use it requires no regular maintenance. The only maintenance required is the cleaning of the product, this is purely for aesthetic reasons and is to the user's discretion.

# 6.0 Miscellaneous

# 6.1 EC Declaration of Conformity

<u>EU D</u>	eclaration of Conformity (No. 001) In accordance with EN ISO 17050-1:2010
Object of the declaratior	r.
Product	Wine Cooler
Model/type	Kaelo - Model K1.B01
Batch/serial no.	KB#####
	Kaelo Manufacturing Ltd. Coppergate House, London E1 7NJ ued under the sole responsibility of the manufacturer ation described above is in conformity with the relevant Union
harmonisation legislation	
2011/65/EU Conformity is shown by	The Restriction of Hazardous Substances Directive compliance with the applicable requirements of the following
documents:	neros 🕽 e contractor tentero de en 🗳 🗋 e contractor e de la contractorio e en la contractoria e 🦉
Reference & Date	Title
Article 3.1(a) – Electric	
EN 60335-1:2012 + A11:2014	Household and similar electrical appliances. Safety. General requirements
CISPR 22, EN 55022 Class B + EN 60950	Information technology equipment. Radio disturbance characteristics. Limits and methods of measurement. IT safety general requirements
Place of issue:	Kaelo Manufacturing Ltd.
	The above address
Date of issue:	01/08/16
Name:	Kevin Jabou
Position:	Director
Signature:	top