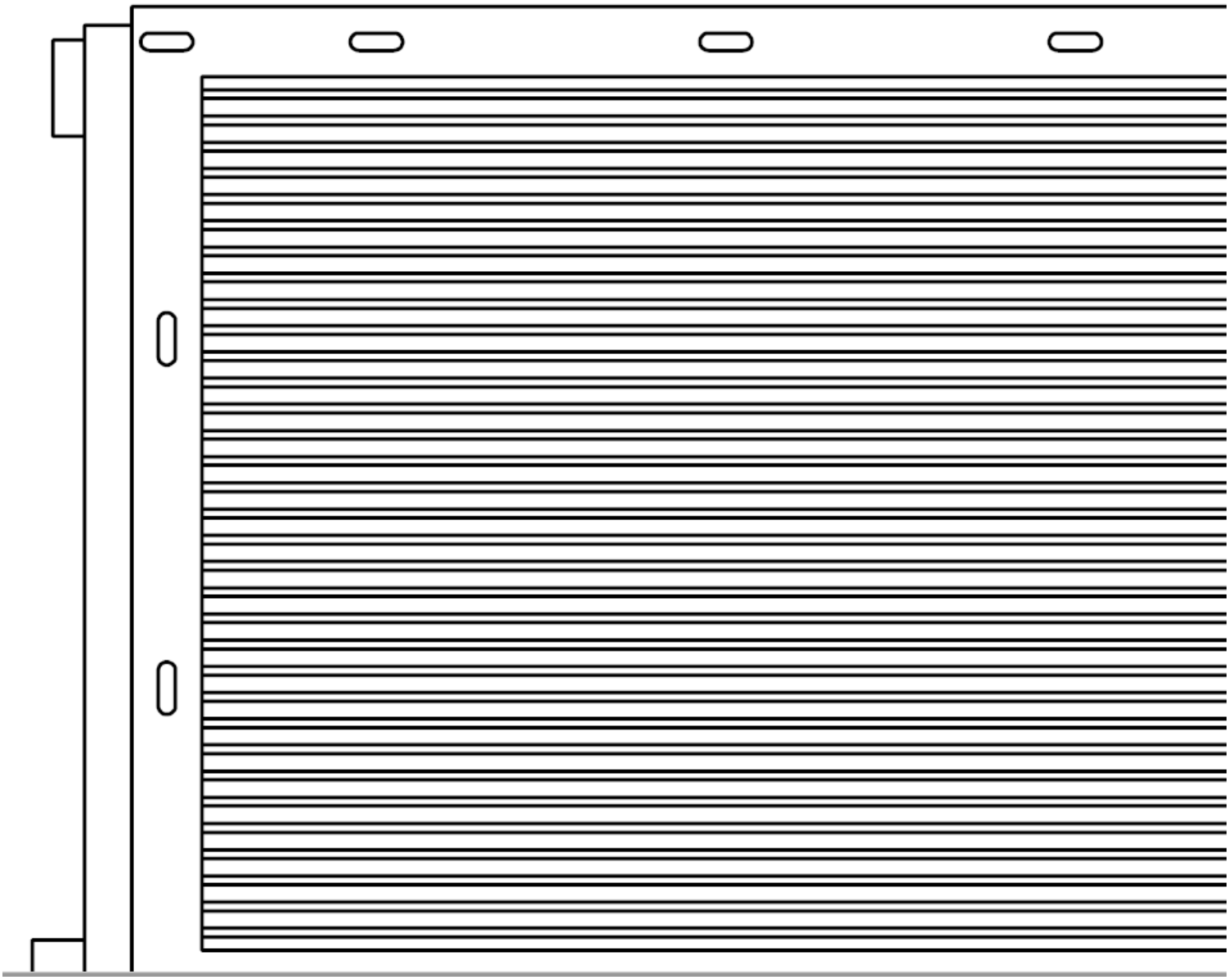
Lepido
Heat Exchanger

Product sheet

Installation and maintenance



Contents

Description

Lepido is a powerful heat exchanger designed for use in the exhaust air duct of restaurant ventilation systems.

Lepido is designed to be able to withstand large quantities of grease and soot without any increased service requirement.

Designed with unique, patented aerodynamic geometry and a coil-based heat exchange package with 100% counter current flow for optimised thermodynamics.

Design

Duct-mounted, fluid-coupled heat exchanger with flange connection to duct.

Stainless steel plate casing.

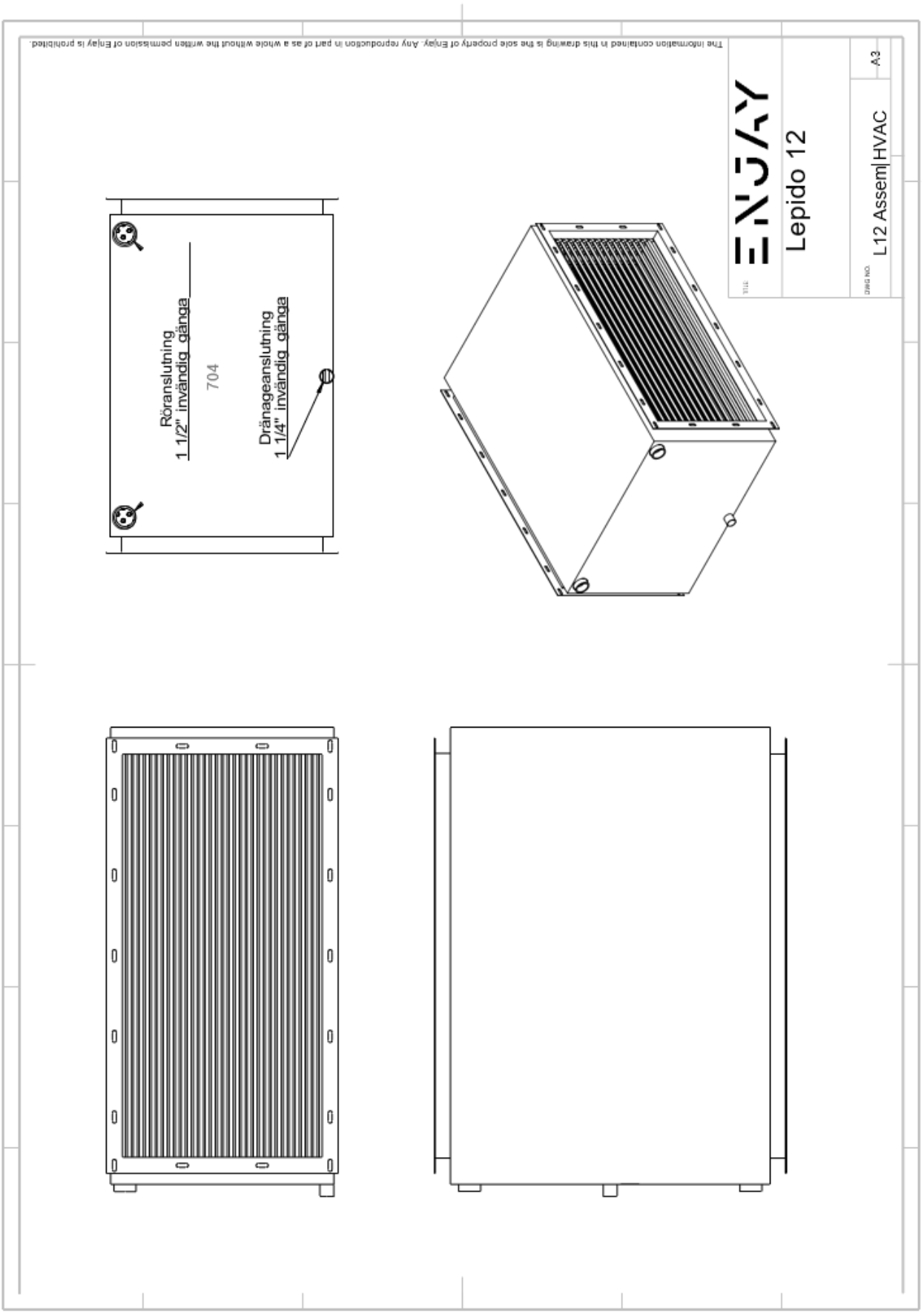
All pipe connections located on one side of the unit.

Drainage connection on all variants located on pipe connection side.

Material

Casing material:	Stainless steel, EN 1.4301
Ventilation connection:	Flange, stainless steel, EN 1.4301
Coil package material:	Aluminium, EN AW-3103
Type of pipe connection:	Internal thread
Pipe connection material:	Aluminium, EN AW-1050A
Type of pipe connection, drainage:	Internal thread
Pipe connection material, drainage:	Stainless steel, EN 1.4301
Other components, material:	EPDM rubber

Drawing


Röranslutning
1 1/2" invändig gänga
704
Dränageanslutning
1 1/4" invändig gänga
ENJAY
Lepido 12
L12 Assem HVAC
A3

Delivery and handling

Lepido is delivered on a pallet.

NB! Do Not use the protruding pipes when lifting, carrying, transporting or handling the unit, they must not be broken.

Installation

Ventilation installation

Always follow local regulations when installing.

The unit must be fitted in conformity with local regulations.

Lepido is designed for installation in the ventilation system and is fitted using a counterflange in the duct system.

Lepido is designed so that it can be fitted both as right- and left-configured in relation to the air flow direction.

To achieve an optimal heat exchange, the air flow through Lepido must be symmetrical and balanced. To ensure this, the duct before and after Lepido must be correctly dimensioned. For full power utilisation, Lepido should not be fitted closer than 2 x diameter to a bend or dimensional change.

Cleaning/inspection hatches must be positioned before and after the battery.

Pipe assembly

Pipe connections are located on one longitudinal side of Lepido.

Pipe installation is carried out so that the fluid flow through Lepido forms a countercurrent ratio with the air current direction (there is no inlet/outlet marking as Lepido can be fitted as both a right and left configuration).

The drainage connection is located at the bottom on the same side as pipe connections and must always be connected and routed to the outlet.

The pipes may not be subjected to loading by heavy tube structures.

No break must occur either to the side or up/down.

Declaration of conformity

Name and address of manufacturer: Enjay AB (org nr 556865-3751)
Lockarpsvägen 6b
SE-213 76 Malmö
Sweden

We, Enjay AB, hereby certify on our own and sole
responsibility that the product

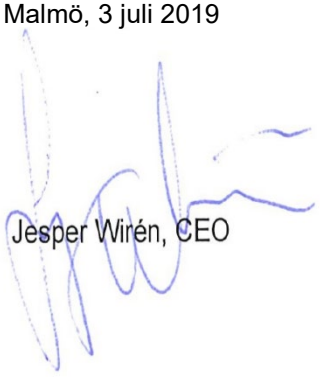
Article designation: Lepido series

to which this declaration relates, is in conformity with these Council directives on the approximation of the laws of the EC member states and the corresponding harmonized standards:

- Machinery Directive, 2006/42/EC - Harmonized standards: EN 12100:2010, EN 14121:2007, EN 1093:2008

provided that the equipment is selected, installed, and used according to our instructions.

Malmö, 3 juli 2019



Jesper Wirén, CEO

Maintenance

General Maintenance

The battery should be inspected regularly to avoid malfunctions.
Check that no damage has occurred to the coil package or casing.
Check the battery for leaks in pipes and fittings.
Keep the drain clean.

Malfunctions / Cleaning

Battery contaminants are rinsed off with water or steam. Only environmentally friendly cleaning agents that do not damage the battery may be used. Mechanical cleaning is NOT recommended.

The battery must be kept thoroughly vented. If air is present in the system, this gives a reduced output and also entails an increased risk of corrosion.

Damage to the battery

If damage to the battery is discovered within the warranty period, Enjay AB must be contacted for consultation before any action or repair is performed. The guarantee expires with immediate effect if this does not happen.

In the event of major damage, the battery must usually be sent back to the factory for repair or replaced with a new one. Contact Enjay AB for consultation.

Waste disposal

The battery consists of different materials and it is possible to disassemble the parts to sort. The parts are joined together by welding and soldering. Common components are aluminum tubes and stainless steel.

The entire product can be returned for recycling to the metal department.