

AL-EX28-100E Series

galley solutions
worldwide

28V Espresso Coffee Maker



Aerolux Limited Aircraft Galley Equipment Manufacturers
Chorley Road, Blackpool, Lancashire FY3 7XQ, England
Tel +44 (0)1253 396670 Fax +44 (0)1253 300074
Email info@aerolux.co.uk • sales@aerolux.co.uk
www.aerolux.co.uk

AEROLUX
LTD

AL-EX28-100E Series

Innovative Design

- The new **28V Espresso Coffee Maker** is a self contained unit designed for the in-flight preparation of Espresso Coffee, suitable for corporate jet environments.
- Designed primarily to provide one cup of Espresso Coffee per serving, the Unit can also provide hot water for other beverages and steam for cappuccino preparation.
- The Unit is of a modular type construction, manufactured from stainless steel and machined aluminum components for long service life.
- The simple modular design aids maintenance and scheduled service tasks in order to minimise downtime and turn around times.

Nespresso Coffee System

- The unit uses the **Nespresso** patented capsule system, which ensures excellent quality coffee and accurate portion control for each serving.
- Coffee capsules are inserted by means of a capsule holder and locked in position during the brewing cycle.
- Nespresso capsules and accessories for use with this equipment are available at www.nespresso.com.



Characteristics

| | |
|-----------------|---------|
| Power Supply | 28 V DC |
| Power | 600 W |
| Recommended C/B | 25 A |

Nominal Performance

| | |
|----------------------|--|
| Volumes | Small Cup 40ml Large Cup 110ml |
| Cycle time | Small Cup 30 seconds Large Cup 60 seconds |
| Reservoir Capacity | 1 Litre |
| Water Inlet Pressure | 24-50 psi (Auto-Fill variants) (regulated by Aircraft System) |

Standard Controls

| | |
|----------------|--|
| POWER ON / OFF | illuminates green when selected |
| STOP | illuminates red (flashing) when a function is selected |
| SMALL CUP | illuminates amber when selected |
| LARGE CUP | illuminates amber when selected |
| HOT WATER | illuminates white when selected |
| STEAM | illuminates white when selected |
| LCD | screen displays the menu |

Operational Range

| | |
|---------------------|--------------------------------|
| Ambient Temperature | 15-35°C (cabin temperature) |
| Altitude | 0 to 15,000ft (cabin pressure) |

Interface Details

| Variant | Height | Width | Depth |
|---------|-------------|--------------|-------------|
| -20 | 305mm (12") | 160mm (6.3") | 381mm (15") |
| -21 | 305mm (12") | 160mm (6.3") | 381mm (15") |

| | |
|----------------------|-------------------------------|
| Electrical Interface | MS3106R20-4PF80 |
| Water Connector | Self Sealing Hanson Connector |
| Mounting Attachment | Via Rail |

Unit Weights

| Variant | Empty | Load | Total |
|---------|--------|------|------------------|
| -20 | 8.0 kg | 1 kg | 9.0 kg (19.8 lb) |
| -21 | 8.7 kg | 1 kg | 9.7 kg (21.4 lb) |

Stating manual fill option available

| | |
|----------------|---|
| Documentation: | ATA / iSpec 2200 CMM |
| Release: | EASA Form 1 or Certificate of Conformity (COC)* model dependant |

*EASA Form 1 can be provided by a DOA to POA Arrangement depending on commercial contract. Cost applicable.

Individually designed Espresso Coffee Makers can be supplied to suit any installation requirements, including envelope size / installation method / Manual-Fill or Auto-Fill etc. Please contact Aerolux sales for more information.

Note: EASA Form 1 issued via DOA / POA Arrangement in accordance with EASA PART 21A.133(b) and (c)

Caution: Do not use the information contained in this document to perform installation design as this data is subject to change.