XLERATOR® HAND DRYER

ORIGINAL. PATENTED. STILL THE BEST.

NEW ENHANCED STANDARD FEATURES

- Adjustable Speed and Sound Control
- Multi-Voltage Options: 110-120V or 208-277V
- Adjustable Heat Settings - High, Medium, Low & Off
- Externally Visible Service LED

8 SECONDS* dry time
95% COST SAVINGS versus paper towels
80% LESS ENERGY than conventional dryers
XLERATOR® HAND DRYER

MODELS: XL - BW W GR C SB SI SP

OPTIONS: -1.1N (Noise Reduction Nozzle) -H (HEPA Filter) -VOLTAGE (See Chart)

FEATURES & BENEFITS

✓ 80% Less Energy Than Conventional Hand Dryers
✓ 95% Cost Savings Vs. Paper Towels
✓ Made In USA Certified®
✓ 5-Year Limited Warranty
✓ Building Green Approved and Helps Qualify for several LEED® credits
✓ A Hygienic Hand Drying Solution

OPTIONS

✓ HEPA Filtration System: Filters 99.97% of bacteria at 0.3 microns from the air stream.
✓ 1.1 Noise Reduction Nozzle: Lovers decibel level 9 dB by reducing air deflection noise but increases dry time by approximately 3 seconds.

ONLINE INFORMATION

Product Videos
Cost Savings & Carbon Footprint Calculator
Life Cycle Assessment Study
Specification Tools
IAQ/GBCI CEU Courses
Case Studies

DIMENSIONS

Width 11 3/4” (298 mm) Height 12 11/16” (322 mm) Depth 6 11/16” (170 mm)

WEIGHT


ELECTRICAL

<table>
<thead>
<tr>
<th>VOLTS</th>
<th>AMPS</th>
<th>WATTS</th>
<th>NO HEAT AMPS</th>
<th>NO HEAT WATTS</th>
<th>HERTZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-120V</td>
<td>11.3-12.2A</td>
<td>1240-1450W</td>
<td>4.3-4.5A</td>
<td>460-530W</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>208-277V</td>
<td>5.6-6.2A</td>
<td>1160-1490W</td>
<td>2.0-2.2A</td>
<td>425-500W</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>230V</td>
<td>6.1A</td>
<td>1410W</td>
<td>2.2A</td>
<td>500W</td>
<td>50 Hz</td>
</tr>
</tbody>
</table>

APPROVED

UL Environment published the first global Product Category Rules (PCR) for Hand Dryers and Excel Dryer is proud to have been selected to chair the project. The PCR created evaluation methods through industry consensus that compare products’ environmental impact and performance. Third party testing results then enable specifiers and buyers to make a true apples-to-apples comparison of products and more informed decisions.

TIME TO THROW IN THE TOWEL®

EXCEL DRYER INC • 1.800.255.9235 • EXCELDRYER.COM

EXCEL DRYER INC  •  1.800.255.9235  •  EXCELDRYER.COM

UL Environment published the first global Product Category Rules (PCR) for Hand Dryers and Excel Dryer is proud to have been selected to chair the project. The PCR created evaluation methods through industry consensus that compare products’ environmental impact and performance. Third party testing results then enable specifiers and buyers to make a true apples-to-apples comparison of products and more informed decisions.

Estimated time to dry hands: 8 seconds

Energy per use: 3.7 Wh

- 80% Less Energy Than Conventional Hand Dryers
- 95% Cost Savings Vs. Paper Towels
- Made In USA Certified®
- 5-Year Limited Warranty
- Building Green Approved and Helps Qualify for several LEED® credits
- A Hygienic Hand Drying Solution

DROUGHT TIME: 8 SECONDS*

ENERGY PER USE: 3.7 Wh
XLERATOR® eco HAND DRYER

500 WATTS. 10 SECONDS. NO HEAT.

NEW ENHANCED STANDARD FEATURES

- Adjustable Speed and Sound Control
- Multi-Voltage Options: 110-120V or 208-277V
- Externally Visible Service LED

10 SECONDS* dry time
95% COST SAVINGS versus paper towels
80% LESS ENERGY than conventional dryers

100% Dries Hands

Building Green® APPROVED

Eco-Friendly and Energy Efficient
XLERATOR® HAND DRYER

MODELS: XL - BW W GR C SB SI SP - ECO OPTIONS: -1.1N (Noise Reduction Nozzle) -H (HEPA Filter) -VOLTAGE (See Chart)

TESTED TO PCR GUIDELINES

Dry Time: 10 Seconds*

Energy Per Use: 1.7 Wh*

Features & Benefits

- 80% Less Energy Than Conventional Hand Dryers
- 95% Cost Savings Vs. Paper Towels
- Made In USA Certified®
- 5-Year Limited Warranty
- Building Green Approved and Helps Qualify for several LEED® credits
- A Hygienic Hand Drying Solution

Options

- HEPA Filtration System: Filters 99.97% of bacteria at 0.3 microns from the air stream.
- 1.1 Noise Reduction Nozzle: Lowers decibel level 9 dB by reducing air deflection noise but increases dry time by approximately 3 seconds.

Online Information

- Product Videos
- Cost Savings & Carbon Footprint Calculator
- Life Cycle Assessment Study
- Specification Tools
- AIA/GBCI CEU Courses
- Case Studies

Online Information

- 80% Less Energy Than Conventional Hand Dryers
- 95% Cost Savings Vs. Paper Towels
- Made In USA Certified®
- 5-Year Limited Warranty
- Building Green Approved and Helps Qualify for several LEED® credits
- A Hygienic Hand Drying Solution

Electrical

<table>
<thead>
<tr>
<th>Volts</th>
<th>Amps</th>
<th>Watts</th>
<th>Hertz</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-120V</td>
<td>4.3-4.6A</td>
<td>465-630W</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>208-277V</td>
<td>2.2-2.2A</td>
<td>425-500W</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>230V</td>
<td>2.2A</td>
<td>500W</td>
<td>50 Hz</td>
</tr>
</tbody>
</table>

Suggested Mounting Heights

Men 45” (114 cm)  Women 43” (109 cm)  Accessible 37” (94 cm)

Note: Heights measured from floor to bottom of dryer.

Accessories

- Anti-Microbial Wall Guards
- XChanger Paper Towel Dispenser Retrofit Kit
- ADA-Compliant Recess Kit

UL Environment published the first global Product Category Rules (PCR) for Hand Dryers and Excel Dryer is proud to have been selected to chair the project. The PCR created evaluation methods through industry consensus that compare products’ environmental impact and performance. Third party testing results then enable specifiers and buyers to make a true apples-to-apples comparison of products and more informed decisions.

US RoHS OSHA

Time to Throw In the Towel

EXCEL DRYER INC • 1.800.255.9235 • EXCELDRYER.COM

JAN 2017

UL Environment published the first global Product Category Rules (PCR) for Hand Dryers and Excel Dryer is proud to have been selected to chair the project. The PCR created evaluation methods through industry consensus that compare products’ environmental impact and performance. Third party testing results then enable specifiers and buyers to make a true apples-to-apples comparison of products and more informed decisions.

Dry time and energy use testing performed by SGS International on standard XLERATOR® Hand Dryer with 0.8” nozzle to 0.25g or less of residual moisture, pursuant to the UL Environment Global Product Category Rules (PCR) for Hand Dryers.

Special Paint powder-coated covers are available in many colors and textures.

Exclusive digital image technology allows for the addition of company, school or team logos with any color, design or a ‘green message’.
ThinAir® HAND DRYER

SURFACE MOUNTED. ADA COMPLIANT.

NEW ENHANCED STANDARD FEATURES

- Adjustable Speed and Sound Control
- Multi-Voltage Options: 110-120V Or 208-277V
- Adjustable Heat Settings - High, Medium, Low & Off
- Externally Visible Service LED

14 SECONDS* dry time

95% COST SAVINGS versus paper towels

80% LESS ENERGY than conventional dryers
ThinAir® HAND DRYER

MODELS: TA-ABS SB -VOLTAGE (See Chart)

**OVERALL DIMENSIONS**
- **Width:** 9 7/32" (233 mm)
- **Height:** 13 15/16" (354 mm)
- **Depth:** 4" (102 mm)

**WEIGHT**
- **TA-ABS:** 8 lbs. (3.6 kgs.)
- **TA-SB:** 10 lbs. (4.5 kgs.)

**ELECTRICAL**
Units are Single Phase; 950 Watts or as low as 300 Watts (without heat) and available as specified in:

<table>
<thead>
<tr>
<th>VOLTS</th>
<th>AMPS</th>
<th>WATTS</th>
<th>NO HEAT AMPS</th>
<th>NO HEAT WATTS</th>
<th>HERTZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-120V</td>
<td>7.7A</td>
<td>770-915W</td>
<td>3.2A</td>
<td>310-370W</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>208-277V</td>
<td>3.6A</td>
<td>735-950W</td>
<td>1.5A</td>
<td>300-375W</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>230V</td>
<td>3.9A</td>
<td>890W</td>
<td>1.7A</td>
<td>375W</td>
<td>50 Hz</td>
</tr>
</tbody>
</table>

**ACTIVATION**
Automatic Sensor Activated

**MOUNTING**
Surface-Mounted

**ADA COMPLIANCE**
ADA guidelines state that fixtures mounted above 27” must not protrude more than 4” from the wall.

**SUGGESTED MOUNTING HEIGHTS**
from floor to bottom of dryer:
- **Men:** 45" (114 cm)
- **Women:** 43" (109 cm)
- **Teenagers:** 41" (104 cm)
- **Small Children:** 35" (89 cm)
- **Accessible:** 37" (94 cm)

**DRI Y TIME: 14 SECONDS**

**ENERGY PER USE: 3.7 Wh**

**FEATURES & BENEFITS**
- Meets 4” ADA protrusion guidelines when surface mounted
- 95% Cost Savings Vs. Paper Towels
- Made In USA Certified®
- 5-Year Limited Warranty
- Building Green Approved and Helps Qualify for several LEED® credits
- A Hygienic Hand Drying Solution
- Washable Pre-Filter

**OPTIONAL ACCESSORIES**
- Microban® Antimicrobial Wall Guards:
  - 89W (White)
  - 89B (Black)
  - 89S (Brushed Stainless Steel)

**COVER OPTIONS**
- TA-ABS: White Polymer (ABS)
- TA-SB: Brushed Stainless Steel

**OPTIONAL ACCESSORIES**
- Microban® Antimicrobial Wall Guards:
  - 89W (White)
  - 89B (Black)
  - 89S (Brushed Stainless Steel)

**TIME TO THROW IN THE TOWEL®**

**ONLINE INFORMATION**
- Specification Tools
- AIA/GBCI CEU Courses
- Case Studies

**PRODUCT VIDEOS**
- Product Videos
- Cost Savings & Carbon Footprint Calculator
- Life Cycle Assessment Study

**ESSENTIALS**
- UL Environment published the first global Product Category Rules (PCR) for Hand Dryers and Excel Dryer is proud to have been selected to chair the project. The PCR created evaluation methods through industry consensus that compare products’ environmental impact and performance. Third party testing results then enable specifiers and buyers to make a true apples-to-apples comparison of products and more informed decisions.

**TRANSLATION**
- Test to PCR Guidelines
- Product Videos
- Cost Savings & Carbon Footprint Calculator
- Life Cycle Assessment Study
- Specification Tools
- AIA/GBCI CEU Courses
- Case Studies

**EXCEL DRYER INC • 1.800.255.9235 • EXCELDRYER.COM**

**FEB 2017**

**16TAS0005**

---

*Dry time and energy use testing performed by SGS International on standard ThinAir Hand Dryers to 0.25g or less of residual moisture, pursuant to the UL Environment Global Product Category Rules (PCR) for Hand Dryers.
**XLERATOR® AND XLERATOReco® HAND DRYER OPTIONS AND ACCESSORIES**

**OPTIONS**

**HEPA FILTRATION SYSTEM**
Excel Dryer offers a HEPA Filtration System proven to remove 99.97% of potentially present bacteria at 0.3 microns from the air in the room, and is the only one with a washable metal mesh pre-filter for reliable performance and extended filter life. The HEPA Filtration System is available as an optional feature or can easily be retrofitted into existing units.

<table>
<thead>
<tr>
<th>SKU#</th>
<th>Description</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>40525</td>
<td>XLERATOR HEPA Filter RetroFit Kit</td>
<td>$150</td>
</tr>
<tr>
<td>40520</td>
<td>XLERATOR HEPA Filter Replacement</td>
<td>$100</td>
</tr>
<tr>
<td>94</td>
<td>HEPA Pre-Filter Replacement</td>
<td>$25</td>
</tr>
</tbody>
</table>

**NOTE:** When ordering a new unit add “H” to model number. i.e. XL-BW-H.

**1.1” NOISE REDUCTION NOZZLE (1.1N)**
Reduces the sound level by 9 decibels by significantly decreasing air deflection noise while only increasing dry time by approximately 3 seconds. Easily retrofitted into existing units or can be purchased with new dryer models at no extra charge.

<table>
<thead>
<tr>
<th>SKU#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>62.2</td>
<td>1.1” Noise Reduction Nozzle</td>
</tr>
<tr>
<td>34</td>
<td>Gasket (included)</td>
</tr>
</tbody>
</table>

**CUSTOM COVERS**
Our cover finish options are the most diverse in the industry, including custom cover options for corporate branding or environmental messaging. Our exclusive Kolorfusion digital image technology is used to customize covers with graphics, team colors, corporate logos, green messaging or any other high-resolution image. Covers can also be painted with any DUPONT powder coat paint color or PVD coating such as Gold, Brass and Copper. Contact us for more information and pricing.
**ACCESSORIES**

**ADA-COMPLIANT RECESS KIT**

Makes XLERATOR meet the ADA protrusion requirement of four inches. Also helps keep water off the walls and floor.

<table>
<thead>
<tr>
<th>SKU#</th>
<th>Description</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>40502</td>
<td>Recess Kit, Brushed Stainless Steel (for ADA 4” protrusion requirements)</td>
<td>$180</td>
</tr>
</tbody>
</table>

**MICROBAN® ANTI-MICROBIAL WALL GUARDS**

Designed to fit securely underneath your Excel Hand Dryers, protecting your walls from water droplets that can be blown off wet hands by the powerful air stream. Microban technology inhibits the growth of bacteria and is built into the Wall Guard so it will not wash or wear away, lasting the lifetime of the product. Ideal for high-traffic restrooms, Wall Guards are hygienic and easy-to-clean.

<table>
<thead>
<tr>
<th>SKU#</th>
<th>Description</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>89W</td>
<td>Microban® Wall Guard-White</td>
<td>$120/Set*</td>
</tr>
<tr>
<td>89B</td>
<td>Microban Wall Guard-Black</td>
<td>$120/Set*</td>
</tr>
<tr>
<td>89S</td>
<td>Wall Guard-Stainless</td>
<td>$200/Set*</td>
</tr>
</tbody>
</table>

*Set: 1 box of 2 wall guards

**XCHANGER® COMBO KIT**

Allows you to completely retrofit your paper towel dispenser and waste receptacle with the XLERATOR. The XChanger is easily installed over the space left behind by the paper towel dispenser and will not cause damage to the existing wall surface. The XLERATOR and ADA-Compliant Recess Kit then easily installs into the XChanger leaving a clean, finished look to the restroom. The XChanger Kit is also available in an ADA height compliant version, allowing full access for users in wheelchairs.

<table>
<thead>
<tr>
<th>SKU#</th>
<th>Description</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>40575</td>
<td>XChanger Combo Kit:</td>
<td>$400</td>
</tr>
<tr>
<td></td>
<td>Comes with ADA Recess Kit #40502 and Standard Xchanger #40550</td>
<td></td>
</tr>
<tr>
<td>40576</td>
<td>ADA XChanger Combo Kit:</td>
<td>$400</td>
</tr>
<tr>
<td></td>
<td>Comes with ADA Recess Kit #40502 and ADA Height Xchanger #40551</td>
<td></td>
</tr>
</tbody>
</table>
XLERATOR® HAND DRYER
GREEN BENEFITS

Results from the Quantis International LCA Study that was peer reviewed to ISO 14040 Standards.

CARBON FOOTPRINT
Reduces Carbon Footprint Up To 70% Vs. Even 100% Recycled Paper Towels.

COST PER 1,000 HAND DRIES
98% Cost Savings Per 1,000 Uses vs. Paper Towels.

ENERGY USED PER HAND DRY
Over An 80% Reduction Of Energy Per Use Vs. Recycled Paper Towels.

CERTIFICATIONS
Endorsed by

Environmental Building News requested LCA experts Greg Norris of Sylvatica, Inc. and Bev Sauer of Franklin Associates, Ltd. to consult data from Franklin Associates as used in the SimaPro LCA software to produce these results.

ENERGY USED
PER HAND DRY
Over An 80% Reduction Of Energy Per Use Vs. Recycled Paper Towels.

CERTIFICATIONS
Endorsed by

Environmental Building News requested LCA experts Greg Norris of Sylvatica, Inc. and Bev Sauer of Franklin Associates, Ltd. to consult data from Franklin Associates as used in the SimaPro LCA software to produce these results.

ENERGY USED PER HAND DRY

COST PER 1,000 HAND DRIES

<table>
<thead>
<tr>
<th>Description</th>
<th>Mj/kg</th>
<th>Towels/kg</th>
<th>kW draw</th>
<th>Time (sec)</th>
<th>kJ/Use</th>
<th>Cost Per 1,000 Uses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virgin Towel</td>
<td>131</td>
<td>352</td>
<td>–</td>
<td>–</td>
<td>743</td>
<td>$23</td>
</tr>
<tr>
<td>Recycled Towel</td>
<td>81</td>
<td>352</td>
<td>–</td>
<td>–</td>
<td>460</td>
<td>$23</td>
</tr>
<tr>
<td>Standard Dryer</td>
<td>–</td>
<td>–</td>
<td>2.2</td>
<td>30</td>
<td>222</td>
<td>$1.47</td>
</tr>
<tr>
<td>XLERATOR® Hand Dryer</td>
<td>–</td>
<td>–</td>
<td>1.5</td>
<td>10</td>
<td>76</td>
<td>.50</td>
</tr>
</tbody>
</table>

CARBON FOOTPRINT

<table>
<thead>
<tr>
<th>Description</th>
<th>Climate Change Score (kgCO2eq)</th>
</tr>
</thead>
<tbody>
<tr>
<td>XLERATOR® Hand Dryer</td>
<td>700</td>
</tr>
<tr>
<td>XLERATOR® Hand Dryer</td>
<td>600</td>
</tr>
<tr>
<td>XLERATOR® Hand Dryer</td>
<td>500</td>
</tr>
<tr>
<td>XLERATOR® Hand Dryer</td>
<td>400</td>
</tr>
<tr>
<td>XLERATOR® Hand Dryer</td>
<td>300</td>
</tr>
<tr>
<td>XLERATOR® Hand Dryer</td>
<td>200</td>
</tr>
<tr>
<td>XLERATOR® Hand Dryer</td>
<td>100</td>
</tr>
<tr>
<td>Standard Dryer</td>
<td></td>
</tr>
<tr>
<td>100% Recycled Paper Towels</td>
<td>1000</td>
</tr>
</tbody>
</table>
**GREEN FACTS**

**US GREEN BUILDING COUNCIL**
Excel Dryer Inc. has been an organizational member of the USGBC since 2003. USGBC’s mission is to transform the way buildings and communities are designed, built and operated, enabling an environmentally and socially responsible, healthy, and prosperous environment that improves the quality of life. Our East Longmeadow, MA office facility earned LEED-CI Gold certification in 2011.

**SUSTAINABLE BUILDINGS INDUSTRY COUNCIL**
Excel Dryer is a member of the Sustainable Buildings Industry Council. Since its inception in 1980, SBIC has been a national leader in defining the whole-building approach to design, which results in high performance buildings and favors sustainability as a prominent design objective. SBIC members and partners share the common goal of delivering buildings that provide long-term value and performance, reduce operating costs, keep occupants safe, comfortable and healthy, and protect the natural environment.

**GREEN RESTAURANT ASSOCIATION**
The XLERATOR is the only hand dryer endorsed by the GRA as the best environmental solution in the hand dryer category for the hotel industry.

**GREEN HOTELS ASSOCIATION**
The XLERATOR is the only hand dryer endorsed by the GRA as the best environmental solution in the hand dryer category for the hotel industry.

**GOOD FOR THE ENVIRONMENT**

**DO YOU KNOW THE FACTS?**
- Seventeen trees are consumed to make one ton of paper.
- One ton of paper production pollutes 20,000 gallons of water.
- One ton of paper consumes three cubic yards of landfill.
- Average cost of paper is 2 cents per hand dry using paper towels vs. 1/10th of a cent using hand dryers.
**XLERATOR® HAND DRYER**

**COST SAVINGS AND ENVIRONMENTAL IMPACT ANALYSIS**

XLERATOR dryers can help facility managers save thousands of dollars annually by eliminating the need for paper towel dispensers and their maintenance. Compared with paper towels, XLERATOR offers a 95% cost savings on average.

**Fill in the boxes below** with your annual paper towel costs and current rate for electricity per KWH. Then find out what you will save by installing XLERATOR hand dryers and how much you will reduce your impact on the environment!

### PAPER TOWEL COSTS

1. Number of Cases of Paper Towels Used Annually
2. Cost per Case Delivered (Include Freight and Tax; typically $15.00 - $25.00/case)
3. Number of Towels per Case (For example: 2,400/case for C-fold towels; 4,000/case for Multi-fold towels; 4,800 linear ft/case for Roll Towels)
4. Your KWH Rate (typically $0.10 per KWH)
5. Total Paper Towel Costs per Year

   Handling Cost
   (50% of item Total Paper Towel Costs - Includes the cost of generating requisitions and purchase orders, receiving, storing, servicing towel dispensers, collecting and disposing of used towels.)

6. **TOTAL COST OF USING PAPER TOWELS PER YEAR**

### HAND DRYER COSTS

7. Number of Paper Towels Used Annually
   (Item 1 multiplied by total sheets per case)
8. Number of Hand Dryings Annually
   (Item 7 divided by 2.5 towels per hand dry)
9. Hours of Hand Dryer Usage
   (Item 8 divided by 120 hand dries per hour; Use 240 hand dries per hour for XLERATOR and 240 for XLERATOReco)
10. Cost of Electricity per Hour
    (2.2 KW multiplied by your KWH rate; Use 1.4 KW for XLERATOR and 1.5 KW for XLERATOReco)
11. **TOTAL ANNUAL HAND DRYER COSTS**
    (Line 9 multiplied by Line 10)
12. **YOUR ANNUAL SAVINGS**
    (Item 6 minus Item 11)

### COMPUTE YOUR % SAVINGS

(Item 12 divided by Item 6)

### CALCULATE YOUR PAYBACK

Cost of Each Dryer
Installation Cost (Typically $125 - $200/dryer)
Number of Hand Dryers Purchased (*See Note Below)

13. **Total Purchase Price**

   **PAYBACK PERIOD IN MONTHS** (Item 13 Divided by Item 12 X 12 Months)

### CALCULATE YOUR COST AND ENVIRONMENTAL SAVINGS

ONLINE AT EXCELDRYER.COM/CALCULATOR

* **NOTE:** One dryer for every two washbasins is sufficient for most applications. If restroom traffic is unusually heavy, we suggest one dryer per washbasin in small installations, and two dryers for every three washbasins in larger installations. When a 54" round-type washbasin is used, we suggest four to five dryers. In multiple installations, one dryer should be mounted at recommended height for the handicapped.

---

**EXCEL DRYER, Inc.**
East Longmeadow, MA

**Phone** 1.800.255.9235  
**Fax** 1.413.525.2853  
**sales@exceldryer.com**  
www.exceldryer.com  

**MAY**
2016

16XLC0022