XLP3 Forced Draft Evaporative Condenser – The Maintenance Worker’s Dream

The performance you demand.
The ease of maintenance you never thought possible.

The FRICK® XLP3 Forced Draft Evaporative Condenser not only delivers maximum uptime with the lowest installation, maintenance and operating costs, it does so with a dramatic new dimension of accessibility.

Contractors and end users made it clear that improving maintenance accessibility was high on their wish list. In the past, small doors, confined space, and water basins with a full sump area made access, maneuvering, maintenance and repairs difficult.

At 68” tall and 20” wide, the XLP3 Evaporative Condenser features the largest door and the easiest access in the industry. Fans are at air inlets, simplifying servicing and maintenance. A smaller sump area and an internal walkway eliminate the need for changing shoes. All that, plus the superior performance you expect from FRICK technology.
XLP3 Forced Draft Evaporative Condenser Engineering Data

Single-cell models with EC technology are shown, go to page 10 for model table. Multicell units (10’x24’, 10’x36’, 12’x24’ and 12’x36’) and belt-drive models are also available. Complete, up-to-date engineering data, free product selection software and more can be found at www.frickcoolware.com.

NOTES:
1. Model number denotes nominal tons using R-717 rated at a 96.3°F condensing temperature, a 20°F suction temperature, and a 78°F entering wet-bulb temperature.
2. R-22 tons are at 105°F condensing temperature, a 40°F suction temperature, and a 78°F entering wet-bulb temperature.
3. Belt-drive models are also available and can be found at www.frickcoolware.com.
4. Unless otherwise noted, the coil section is the heaviest section.
5. Operating weight is for the unit with the water level at the overflow level and with the coil charged with R-717.
6. The R-22 operating charge is 1.93 times the R-717 charge; R-134a is 1.98 times.
7. Drain size is based on a bottom connection.
8. Coil inlet and outlet connections are 4” beveled for welding.

Do not use for construction. Refer to factory certified dimensions. This catalog includes current data at time of publication. Data should be confirmed at time of purchase.
XLP3 is the Right Choice – Here’s Why

Maximum Uptime and Peak Reliability
The XLP3’s robust and durable design offers increased reliability, enhanced corrosion protection and greater longevity, as well as the ability to perform in – and withstand – the toughest conditions. The XLP3 features both a completely redesigned belt-drive and a new direct-drive fan system with EC technology, as well as optional redundant pumps.

Lowest Installation Costs
Time is money. So is labor. With the XLP3, pre-assembled platform options reduce onsite labor requirements, while ensuring on-time commissioning. Plus, the unit’s industrial-strength rigidity allows you to align the upper section to the lower section in less than 15 minutes per cell. And single-point wiring means fast, easy field installation for more time savings.¹

Easiest and Safest Accessibility
The industry’s largest access door (capable of accommodating a 6’ 5” worker) features a sturdy step and access handle for added security when entering and exiting. Moreover, the unit features ground level access to the drive system, as well as a sturdy internal walkway across the entire length of the basin, allowing workers to stay safe and dry. Plus, FRICK offers the industry’s most configurable OSHA-compliant modular platforms to meet your specific site requirements.

Notes:
1. Single-point wiring is standard with EC direct-drive; optional with belt-drive.
2. Check local codes to verify confined space requirements.
The Lowest Maintenance Costs

The maintenance worker’s dream appeals to CFOs, too. The XLP3’s design can help reduce maintenance costs by up to 50 percent. The direct-drive EC fan system requires no regular maintenance. Plus, fans are accessed on the unit’s side – not on top. The basin, strainer and drive components are easily inspected thanks to the robust internal walkway and large part of the basin with no standing water. Nozzles can be quickly and easily inspected, too, with optional pre-assembled platforms installed at ergonomic height. The compact sump’s sloped basin is easier to clean and more hygienic. And the unit’s 30 percent reduction in operating water volume over traditional forced draft evaporative containers lowers water and chemical costs.

Superior Efficiency

On average, the XLP3 can deliver a 10 percent reduction in energy usage with the EC drive technology. For many replacement jobs, the XLP3’s innovative design will provide a higher capacity or reduced energy usage at the same weight. The unit’s direct-drive, variable speed EC Fan System can also reduce operating costs due to its high efficiency, while improving head pressure control in winter months due to its lower minimum speeds.
Lowest Total Cost of Ownership

Accessibility and ergonomic design aren’t just nice-to-haves. They save money.

Over the lifetime of your condenser, the amount of money saved becomes significant.

But that’s only a portion of the value you receive with the XLP3 Forced Draft Evaporative Condenser. Take maximum uptime, longer lifetime and superior efficiency, then add lowest installation, maintenance and operating costs, and you get lowest total ownership cost, as well as peace of mind.
1 Factory Pre-Assembled Platforms with Perimeter Handrails (Optional)
Easy-to-install design for contractors and owners looking to reduce the cost of installation and ensure on-time commissioning. Safely inspect the nozzles across the entire unit with platforms at an ergonomic height.
Savings: $2,000 Per Cell

2 BranchLok™ Removal System
No tools required to remove or inspect spray branches and nozzles, reducing maintenance costs. Faster cleaning makes peak energy efficiency easier to sustain.

3 Largest Access Door(s)
The industry’s largest access door (68” H x 20” W) is also safe, thanks to a sturdy step and safety handle. It’s easy for larger people to enter and exit for service (2nd door optional).
Savings: $20,000 Lifetime

4 Internal Walkway
Sturdy internal walkway allows workers to stay dry while safely inspecting the basin.
Savings: $20,000 Lifetime

5 Basin
Falling water on the high step of the basin causes turbulence and reduces cleaning requirements. The lower operating water volume reduces chemical and water demand by up to 30%.
Savings: $6,000 Lifetime

6 EC Motor/Fan System
Simple design for lowest maintenance, easiest access and maximum efficiency. System includes single-stage axial fans and variable-speed EC motors. There is no transmission to maintain!
Savings: $68,000 Lifetime

6a Belt-Drive® Power Train
Reduce maintenance costs and maximize uptime with FRICK’s belt-drive independent fan system. It’s the most serviceable, most robust, and most reliable in the industry. The completely redesigned belt-drive power train consists of a single stage fan design with high strength composite blade material for easy alignment and added corrosion resistance, and a multi-directional motor base adjustment.
Savings: $30,000 Lifetime

7 TripleGuard™ Corrosion Protection System & DuraTest™ Construction (Optional)
Superior material options increase reliability, corrosion resistance, and longevity; 5-year leak-free warranty and seamless basins allow for higher cycles of concentration, water savings and reduced chemical usage.
Savings: $270,000 Lifetime Per Cell

Note: Estimated savings based on 20-year equipment life, actual savings may vary.

Eligible for FRICK Extended Warranty Program

Plus 3  Plus 4  Plus 5

Based on number of items purchased.
# XLP3 Forced Draft Evaporative Condenser

## THE SMART CHOICE.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Competitor’s Forced Draft Axial Fan Evaporative Condenser</th>
<th>XLP3 Evaporative Condenser</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating Weight</strong></td>
<td>30,040 Lbs.</td>
<td>25,160 Lbs.</td>
</tr>
<tr>
<td><strong>Overflow Basin Volume</strong></td>
<td>818 Gal.</td>
<td>521 Gal.</td>
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<tr>
<td><strong>High Efficiency</strong></td>
<td>Belt-Drive</td>
<td>EC Fan System</td>
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<tr>
<td><strong>Access Door</strong></td>
<td>29” Tall</td>
<td>68” Tall</td>
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<tr>
<td><strong>Internal Walkway</strong></td>
<td>Not Available</td>
<td>Standard</td>
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<td><strong>VFD</strong></td>
<td>Added Cost</td>
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<tr>
<td><strong>Factory Wiring</strong></td>
<td>Added Cost</td>
<td>Standard</td>
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<tr>
<td><strong>Pre-Assembled Platforms²</strong></td>
<td>Added Cost</td>
<td>Standard</td>
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<tr>
<td><strong>Unit Construction</strong></td>
<td>Galvanized Steel</td>
<td>DuraTest™ Construction with TripleGuard™ Corrosion Protection System²</td>
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</tbody>
</table>

**Notes:**
1. Selections are based on 448 nominal R-717 tons at 96.3°F and 78°F wet bulb.
2. Optional feature or accessory.
XLP3 Condenser Advantage!

- 16% Lighter Weight
- 10% Less Water
- Up to 30% More Efficient
- 3.25' Taller Door
- $6,000 Maintenance Savings
- $6,000 Installation Savings
- $2,000 Installation Savings
- $2,000 Installation Savings
- Advanced Material Options for Maximum Value

700 in² Larger Access Area

XLP3 Condenser
Unit Weight
25,160 lbs

Competitor’s Unit
30,040 lbs

16% Lighter Weight
### Single-Cell Models with EC Technology

<table>
<thead>
<tr>
<th>Nom. Box Size</th>
<th>Model Number(s)</th>
<th>Base Heat Rejection (MBH)</th>
<th>R-22 Tons</th>
<th>EC Fan Motor hp</th>
<th>Airflow Rate (CFM)</th>
<th>Pump Motor Hp</th>
<th>Spray Flow Rate (GPM)</th>
<th>Approximate Weight (lbs)</th>
<th>R-717 Operating Charge (lbs)</th>
<th>Remote Sump</th>
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<tr>
<td>10' x 12'</td>
<td>XLP3-1010241-015E</td>
<td>4,986</td>
<td>339</td>
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<td>10,700</td>
<td>XLP3-1010249-015E</td>
<td>5,699</td>
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<td>0.43</td>
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<td>5,699</td>
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<td>12,050</td>
<td>7,350</td>
<td>16,390</td>
<td>345</td>
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<td>XLP3-1010247-015E</td>
<td>5,372</td>
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<td>64,100</td>
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<td>XLP3-1010232-015E</td>
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<td>87,600</td>
<td>XLP3-1010232-015E</td>
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<td>14'-5&quot;</td>
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</table>

### Additional Information

- **FAN MOTOR**: airflow rate (GPM)
- **AIRFLOW RATE**: rate (CFM)
- **COIL SIZE**: size (in)
- **DRYER**: R-717 (lbs)
- **OPERATING CHARGE**: (lbs)
- **REMOTE SUMP**: approx.
- **REJECTION**: (lbs)
- **SUMP**: approx.

### Technical Specifications

- **Model Number**: XLP3-10180357-015E
- **Type**: Single-Cell
- **Classification**: EC Technology

**Note**: The table above provides a comprehensive overview of the single-cell models with EC technology, detailing various specifications such as heat rejection, airflow rates, and operating characteristics. This information is essential for selecting the appropriate model based on specific cooling requirements.
FRICK – Committed to Cold for Over 135 Years

We deliver innovative products that help the world run smoothly, smartly, simply and safely.

FRICK is the leader in industrial refrigeration.

Through our unrivaled expertise, developed and honed over nearly a century and a half, we provide world-class refrigeration technology that is reliably cold.

We relentlessly pursue and achieve superior-quality products so you can confidently focus on your core businesses.

We offer a full line of equipment for food and beverage applications including low charge systems, rotary screw compressor packages, condensers, evaporators, heat exchangers, hygienic air handlers, controls, vessels and replacement parts for these products.

And we work with an elite set of sales and installation partners – our FRICK Factors – whose dedication to your absolute satisfaction contributes to our successful products, processes and services.

We promise to go further.

SINGLE SOURCE INDUSTRIAL REFRIGERATION SOLUTIONS

World-Class Solutions
FRICK creates confident customer experiences with our best-in-class solutions.

Reliably Cold
FRICK is synonymous with refrigeration—we have generations of experience building refrigeration solutions.

Unrivaled Expertise
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