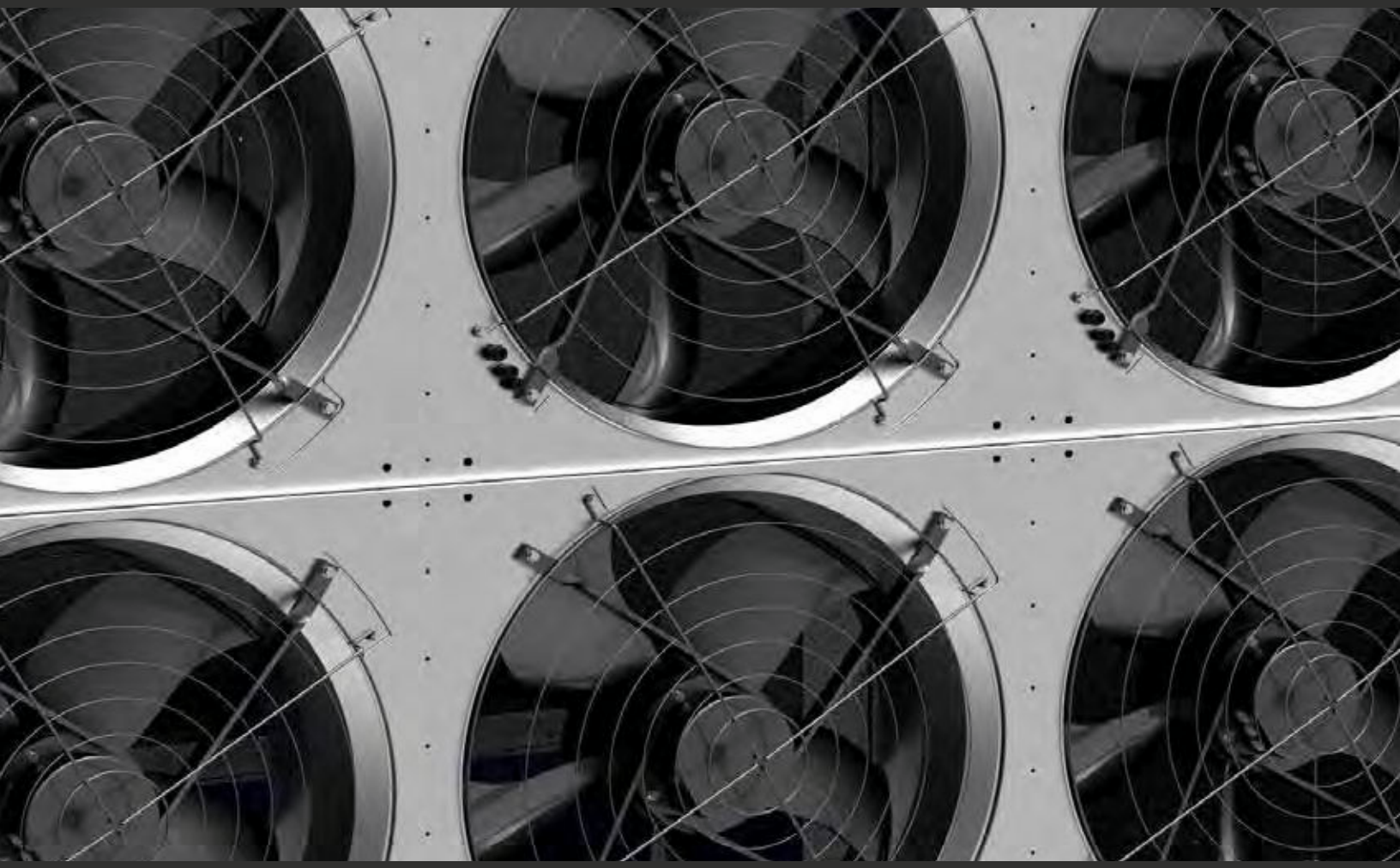
XLP3 Forced Draft Evaporative Condenser

Reliability Meets Easy Maintenance

SINGLE SOURCE INDUSTRIAL REFRIGERATION SOLUTIONS

Frick® INDUSTRIAL REFRIGERATION



Johnson Controls

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

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

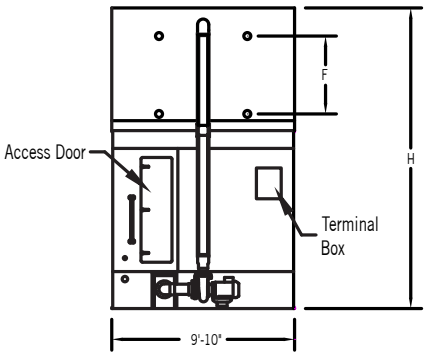
The FRICK® XLP3 Forced Draft Evaporative Condenser not only delivers maximum uptime with the lowest installation, maintenance and operating costs, it does so with a dramatic new dimension of accessibility.

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.

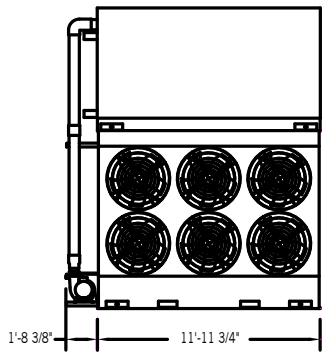
At 68" tall and 20" wide, the XLP3 Evaporative Condenser features the largest door and the easiest access in the industry. Fans are at air inlets, simplifying servicing and maintenance. A smaller sump area and an internal walkway eliminate the need for changing shoes. All that, plus the superior performance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

XLP3 Forced Draft Evaporative Condenser Engineering Data

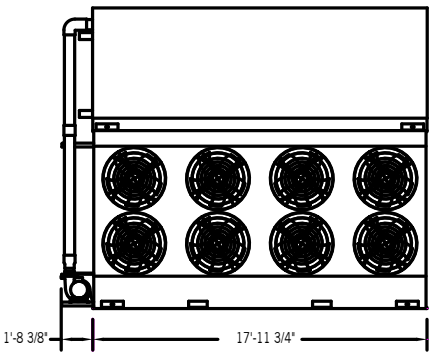
Single-cell models with EC technology are shown, go to page 10 for model table. Multicell units (10′x24′, 10′x36′, 12′x24′ and 12′x36′) and belt-drive models are also available. Complete, up-to-date engineering data, free product selection software and more can be found at www.frickcoolware.com.



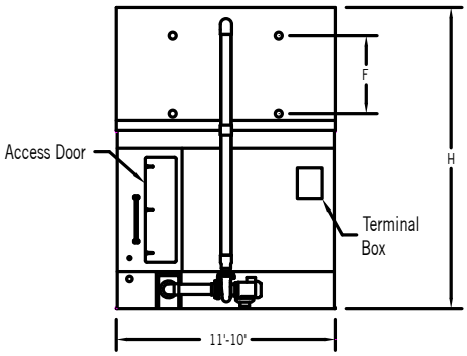
Face A: XLP3 10′ x 12′ and 10′ x 18′ Units



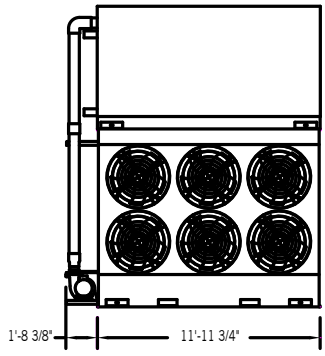
Face D: XLP3 10′ x 12′ Units



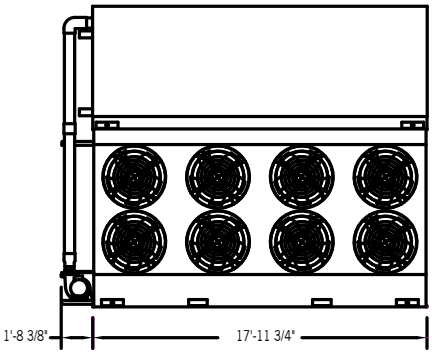
Face D: XLP3 10′ x 18′ Units



Face A: XLP3 12′ x 12′ and 12′ x 18′ Units



Face D: XLP3 12′ x 12′ Units



Face D: XLP3 12′ x 18′ Units

NOTES:

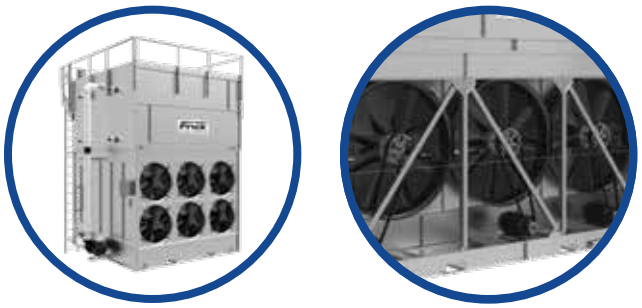
1. Model number denotes nominal tons using R-717 rated at a 96.3°F condensing temperature, a 20°F suction temperature, and a 78°F entering wet-bulb temperature.
2. R-22 tons are at 105°F condensing temperature, a 40°F suction temperature, and a 78°F entering wet-bulb temperature.
3. Belt-drive models 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.



Industrial design for harshest conditions

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]

Simplify field installation with single-point wiring

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.

Alleviate confined space limitations; easily accommodates a 6.5′ tall person[2]

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.

Stay dry while safely inspecting the basin from the internal walkway

Superior Efficiency

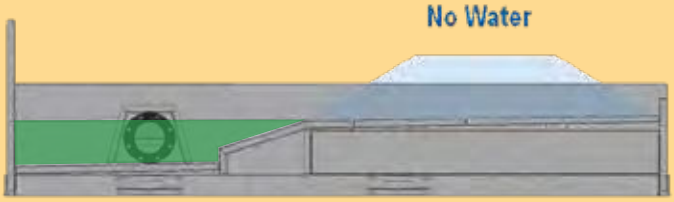
On average, the XLP3 can deliver a 10 percent reduction in energy usage with the EC drive technology. For many replacement jobs, the XLP3's innovative design will provide a higher capacity or reduced energy usage at the same weight. The unit's direct-drive, variable speed EC Fan System can also reduce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

Superior efficiency with the EC Fan System

Standard Basin

XLP3 Condenser Basin

Up to 30% less H_2O oper. volume
Easy Cleaning.
Improved Hygiene
A smaller water sump means less basin area to clean



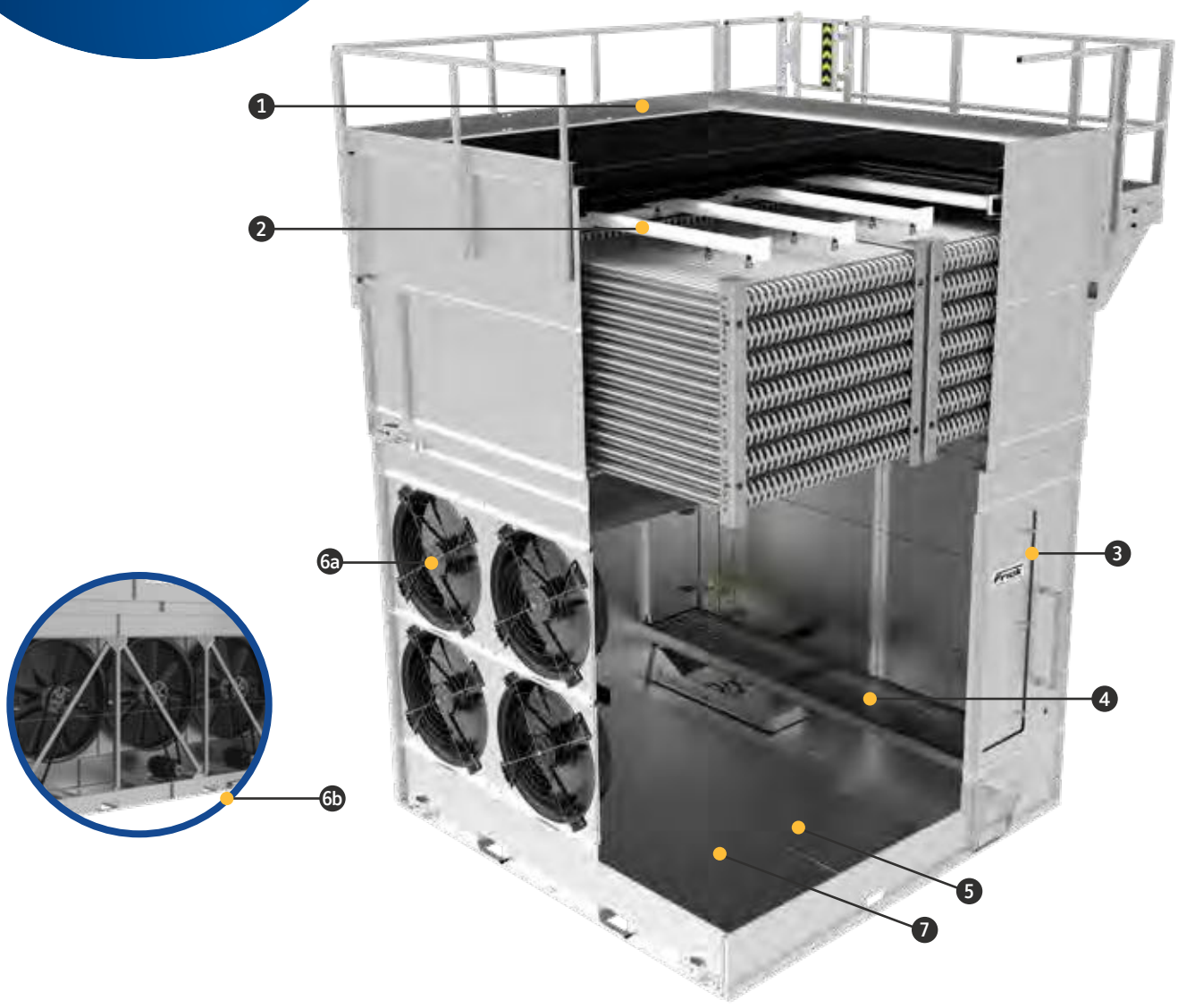
Note: The areas shaded green above denote standing water.

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

6a 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

6b 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

Based on number of items purchased.

XLP3 Forced Draft Evaporative Condenser

THE SMART CHOICE.

	Competitor's Forced Draft Axial Fan Evaporative Condenser	XLP3 Evaporative Condenser
Operating Weight	30,040 Lbs.	25,160 Lbs.
Overflow Basin Volume	818 Gal.	521 Gal.
High Efficiency	Belt-Drive	EC Fan System
Access Door	29" Tall	68" Tall
Internal Walkway	Not Available	Standard
VFD	Added Cost	Not Needed
Factory Wiring	Added Cost	Standard
Pre-Assembled Platforms[2]	Added Cost	Standard
Unit Construction	Galvanized Steel	DuraTest™ Construction with TripleGuard™ Corrosion Protection System[2]

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.
3. Estimated dollar savings based on 20-year equipment life. Actual savings may vary.

XLP3 Condenser Advantage!

16% Lighter Weight

10% Less Water

Up to 30% More Efficient

3.25′ Taller Door

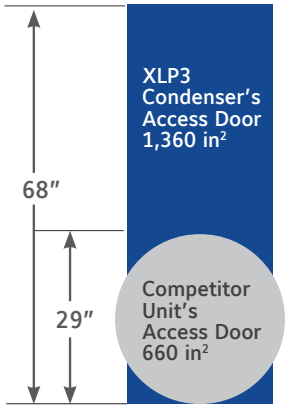
$6,000 Maintenance Savings

$6,000 Installation Savings

$2,000 Installation Savings

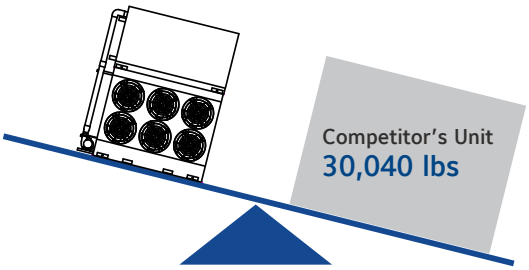
$2,000 Installation Savings

Advanced Material Options
for Maximum Value



700 in² Larger Access Area

XLP3 Condenser
Unit Weight
25,160 lbs



16% Lighter Weight

Single-Cell Models with EC Technology

Nom. Box Size	Model Number[1]	Base Heat Rejection (MBH)	R-22 Tons[2]	EC Fan System Fan Motor (HP)[3]	Airflow Rate (CFM)	Pump Motor (HP)	Spray Flow Rate (GPM)	Approximate Weight (lbs)			R-717 Operating Charge[5] (lbs)	Internal Coil Volume (ft³)	Remote Sump			F	H
								Ship Weight	Heaviest Section[3]	Oper. Weight[4]			Drain Size[6] (in)	Volume Req. (gal)	Approx. Oper. Weight (lbs)		
10' x 12'	XLP3-10120241-015E	4,986	339	(6) 2.6	70,700	5	500	11,990	7,350	16,330	345	42	8	313	14,530	2'-4 1/4"	14'-5"
	XLP3-10120269-024E	5,569	379	(6) 4.3	83,400			12,050	7,350	16,390	345	42			14,600	2'-4 1/4"	14'-5"
	XLP3-10120297-037E	6,156	419	(6) 6.7	96,800			12,150	7,350	16,490	345	42			14,700	2'-4 1/4"	14'-5"
	XLP3-10120270-015E	5,572	379	(6) 2.6	64,100			13,340	8,700	17,760	427	52			15,960	2'-11 3/4"	15'-0"
	XLP3-10120301-024E	6,223	423	(6) 4.3	75,500			13,400	8,700	17,820	427	52			16,030	2'-11 3/4"	15'-0"
	XLP3-10120332-037E	6,880	468	(6) 6.7	87,600			13,500	8,700	17,920	427	52			16,130	2'-11 3/4"	15'-0"
	XLP3-10120289-015E	5,974	406	(6) 2.6	53,100			15,610	10,970	20,170	566	69			18,360	3'-7"	15'-8"
	XLP3-10120323-024E	6,671	454	(6) 4.3	62,600			15,670	10,970	20,230	566	69			18,430	3'-7"	15'-8"
	XLP3-10120356-037E	7,375	502	(6) 6.7	72,600			15,770	10,970	20,330	566	69			18,530	3'-7"	15'-8"
	XLP3-10120310-015E	6,419	437	(6) 2.6	54,800			17,110	12,470	21,760	658	80			19,960	4'-2 1/2"	16'-3"
	XLP3-10120346-024E	7,169	488	(6) 4.3	64,600			17,170	12,470	21,820	658	80			20,030	4'-2 1/2"	16'-3"
	XLP3-10120383-037E	7,925	539	(6) 6.7	74,900			17,270	12,470	21,920	658	80			20,130	4'-2 1/2"	16'-3"
10' x 18'	XLP3-10180357-019E	7,384	502	(8) 2.6	97,200	7.5	760	16,430	10,440	22,790	513	63	10	456	20,270	2'-4 1/4"	14'-5"
	XLP3-10180399-032E	8,255	562	(8) 4.3	114,600			16,520	10,440	22,880	513	63			20,360	2'-4 1/4"	14'-5"
	XLP3-10180441-049E	9,127	621	(8) 6.7	133,000			16,650	10,440	23,010	513	63			20,490	2'-4 1/4"	14'-5"
	XLP3-10180389-019E	8,060	548	(8) 2.6	90,300			18,410	12,420	24,890	637	78			22,370	2'-11 3/4"	15'-0"
	XLP3-10180435-032E	9,010	613	(8) 4.3	106,500			18,500	12,420	24,980	637	78			22,460	2'-11 3/4"	15'-0"
	XLP3-10180481-049E	9,962	678	(8) 6.7	123,600			18,630	12,420	25,110	637	78			22,590	2'-11 3/4"	15'-0"
	XLP3-10180426-019E	8,812	599	(8) 2.6	74,200			21,720	15,730	28,410	848	104			25,890	3'-7"	15'-8"
	XLP3-10180476-032E	9,849	670	(8) 4.3	87,500			21,810	15,730	28,500	848	104			25,980	3'-7"	15'-8"
	XLP3-10180526-049E	10,889	741	(8) 6.7	101,500			21,940	15,730	28,630	848	104			26,110	3'-7"	15'-8"
	XLP3-10180457-019E	9,470	644	(8) 2.6	76,000			23,910	17,920	30,740	987	121			28,220	4'-2 1/2"	16'-3"
	XLP3-10180511-032E	10,586	720	(8) 4.3	89,600			24,000	17,920	30,830	987	121			28,310	4'-2 1/2"	16'-3"
	XLP3-10180565-049E	11,705	796	(8) 6.7	104,000			24,130	17,920	30,960	987	121			28,440	4'-2 1/2"	16'-3"
12' x 12'	XLP3-12120281-015E	5,819	396	(6) 2.6	72,300	5	610	13,840	8,810	18,600	424	52	8	430	17,430	2'-4 1/4"	14'-5"
	XLP3-12120314-024E	6,499	442	(6) 4.3	85,200			13,900	8,810	18,660	424	52			17,490	2'-4 1/4"	14'-5"
	XLP3-12120348-037E	7,184	489	(6) 6.7	98,900			14,000	8,810	18,760	424	52			17,590	2'-4 1/4"	14'-5"
	XLP3-12120311-015E	6,430	437	(6) 2.6	69,600			15,490	10,460	20,350	525	64			19,180	2'-11 3/4"	15'-0"
	XLP3-12120347-024E	7,181	488	(6) 4.3	82,100			15,550	10,460	20,410	525	64			19,240	2'-11 3/4"	15'-0"
	XLP3-12120383-037E	7,938	540	(6) 6.7	95,300			15,650	10,460	20,510	525	64			19,340	2'-11 3/4"	15'-0"
	XLP3-12120338-015E	7,001	476	(6) 2.6	65,500			18,070	13,040	23,090	683	84			21,910	3'-7"	15'-8"
	XLP3-12120378-024E	7,819	532	(6) 4.3	77,200			18,130	13,040	23,150	683	84			21,970	3'-7"	15'-8"
	XLP3-12120418-037E	8,643	588	(6) 6.7	89,700			18,230	13,040	23,250	683	84			22,070	3'-7"	15'-8"
	XLP3-12120363-015E	7,507	511	(6) 2.6	60,900			19,870	14,840	25,010	794	97			23,830	4'-2 1/2"	16'-3"
	XLP3-12120405-024E	8,384	570	(6) 4.3	71,800			19,930	14,840	25,070	794	97			23,890	4'-2 1/2"	16'-3"
	XLP3-12120448-037E	9,268	630	(6) 6.7	83,400			20,030	14,840	25,170	794	97			23,990	4'-2 1/2"	16'-3"
12' x 18'	XLP3-12180417-019E	8,638	588	(8) 2.6	101,700	7.5	920	19,080	12,530	26,160	632	77	10	619	24,370	2'-4 1/4"	14'-5"
	XLP3-12180467-032E	9,652	657	(8) 4.3	119,900			19,170	12,530	26,250	632	77			24,460	2'-4 1/4"	14'-5"
	XLP3-12180516-049E	10,668	726	(8) 6.7	139,200			19,300	12,530	26,380	632	77			24,590	2'-4 1/4"	14'-5"
	XLP3-12180457-019E	9,445	642	(8) 2.6	97,500			21,500	14,950	28,730	785	96			26,940	2'-11 3/4"	15'-0"
	XLP3-12180510-032E	10,554	718	(8) 4.3	115,000			21,590	14,950	28,820	785	96			27,030	2'-11 3/4"	15'-0"
	XLP3-12180564-049E	11,665	794	(8) 6.7	133,500			21,720	14,950	28,950	785	96			27,160	2'-11 3/4"	15'-0"
	XLP3-12180497-019E	10,286	700	(8) 2.6	92,200			25,250	18,700	32,720	1,024	125			30,940	3'-7"	15'-8"
	XLP3-12180555-032E	11,494	782	(8) 4.3	108,800			25,340	18,700	32,810	1,024	125			31,030	3'-7"	15'-8"
	XLP3-12180614-049E	12,704	864	(8) 6.7	126,200			25,470	18,700	32,940	1,024	125			31,160	3'-7"	15'-8"
	XLP3-12180536-019E	11,093	755	(8) 2.6	84,600			27,890	21,340	35,530	1,192	146			33,740	4'-2 1/2"	16'-3"
	XLP3-12180599-032E	12,396	843	(8) 4.3	99,800			27,980	21,340	35,620	1,192	146			33,830	4'-2 1/2"	16'-3"
	XLP3-12180662-049E	13,701	932	(8) 6.7	115,700			28,110	21,340	35,750	1,192	146			33,960	4'-2 1/2"	16'-3"

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.

Specify FRICK solutions. Find the FRICK Factors nearest you at www.frickcold.com.

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