



OXFORD OLPP™

# Oxford Low Pressure Platform



Grocery



Ice Rinks



Arenas



Curling  
Clubs



Cold  
Storage

## HIGHLIGHTS

Customizable Refrigeration Capacity

Climate Friendly

Reduced Installation Costs

Advanced Design

SmartGrid Ready



**GWP**  
Low Global  
Warming-Potential



**Zero**  
0 Refrigerant  
Leak Rate



**HFO R-513a/515b**  
Low Pressure  
Refrigerant

## Guaranteed Energy Savings

The Oxford Low Pressure Platform (OLPP). A revolutionary system proven to outsmart energy loss by a guaranteed 40% - 80% and outperform a lifetime of service calls.

The OLPP optimizes old legacy refrigeration systems with advanced controls and sensor technologies, that utilizes a low-pressure refrigerant with a low global warming potential.

## Easy To Customize

Technology does not require entire system replacement, can be phased in to meet customers goals/limits.

## Climate Friendly

Protecting our climate from refrigerant gases with a ZERO leak rate strategy. All components are hermetically sealed. Low cost pressure safeties and pressure control hoses have been 100% removed from the platform. The use of higher quality, smarter controls allows for a better operating and lower charged system that has the least amount of connection points and gaskets of any platform on the market.

## Reduced Installation Costs

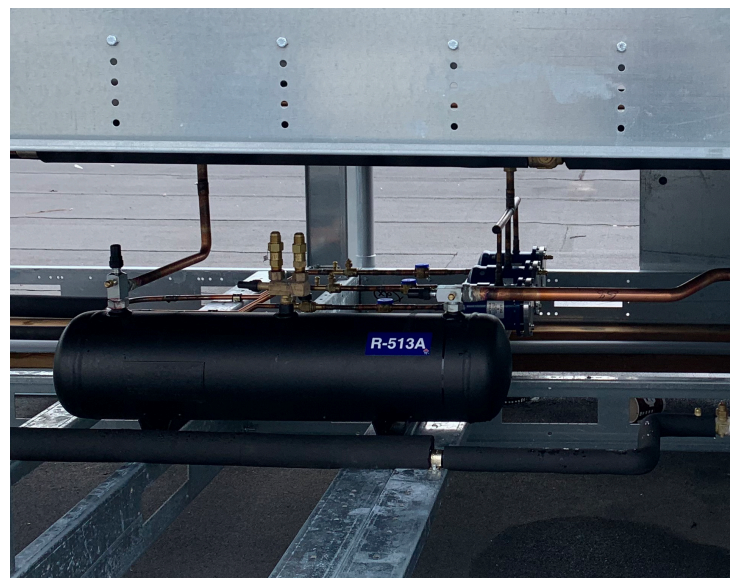
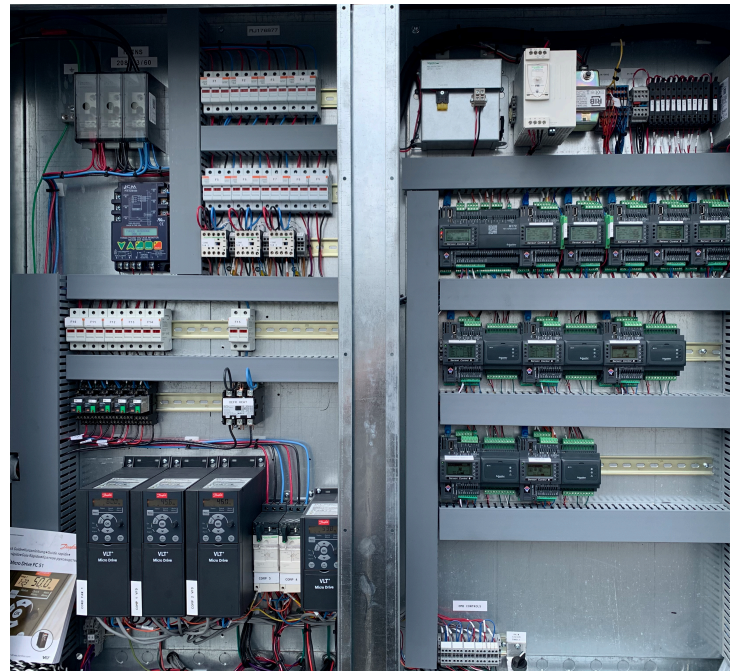
Reduced installation costs, reduced start up time, pre-charged, pre-programmed, self assessing and adjusting control system architecture. There are no mechanical devices to set. All EXV controllers self program for the application. The Oxford Sensori™ control system removes the need for guessing. All system information is present and in front of you.

## Advanced Design

Oxford LPP™ uses HFO refrigerants, and when properly designed in conjunction with evaporator/case layouts, meets all current California state guidelines and European directives while maintaining a low refrigerant charge along with a low GWP HFO refrigerant. This platform is ready for drop in replacements of new, below 150 GWP HFO refrigerants that are currently being tested.

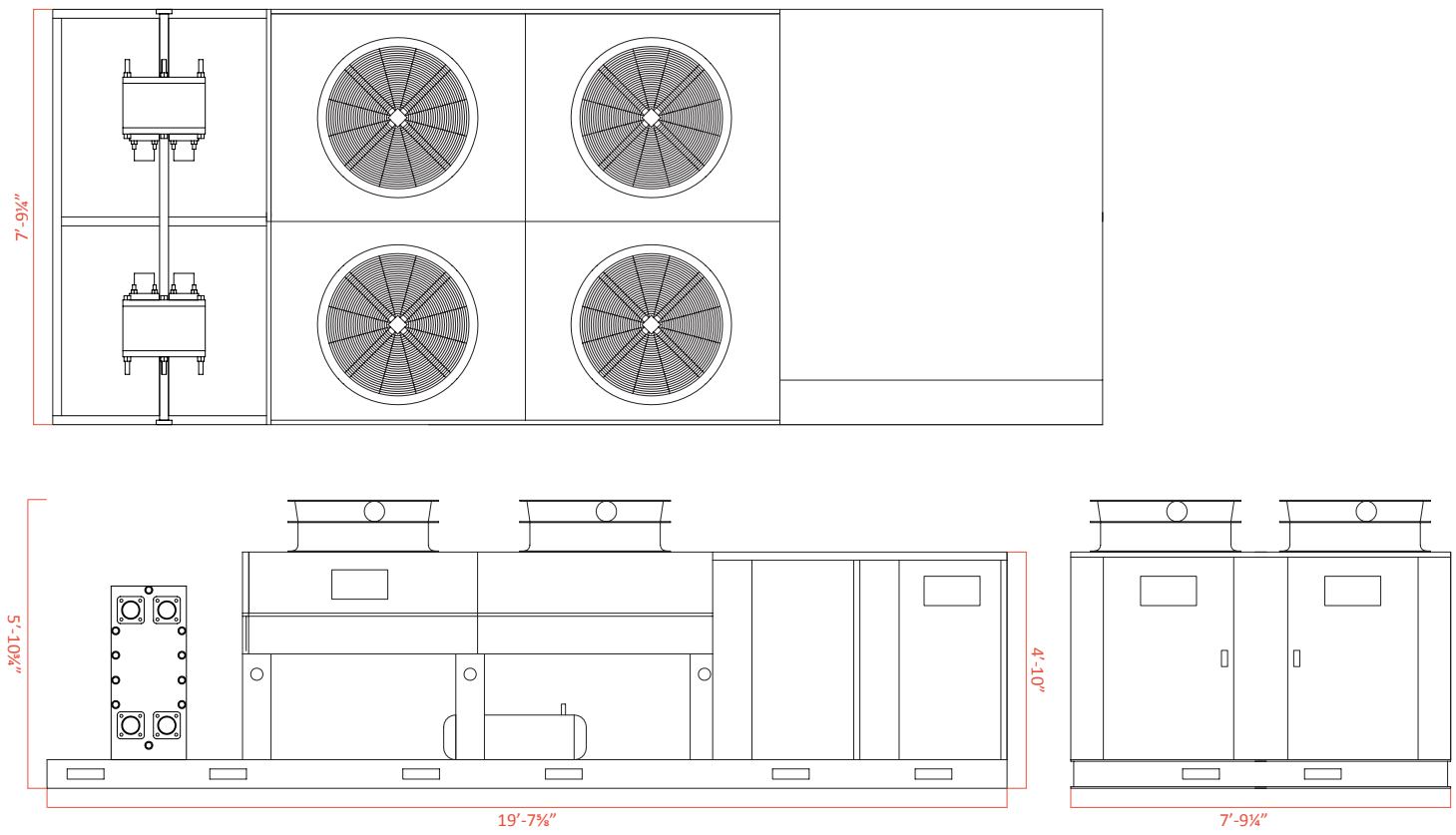
## SmartGrid Ready

Being SmartGrid Ready, The Oxford OLPP allows for the implementation of power accumulation solutions, and at the same time ensures extremely high levels of efficiency. It is also able to independently select the most efficient operating method based on the status of the grid. The OLPP is also able to electronically interface with the energy manager using the smart grid communication network.



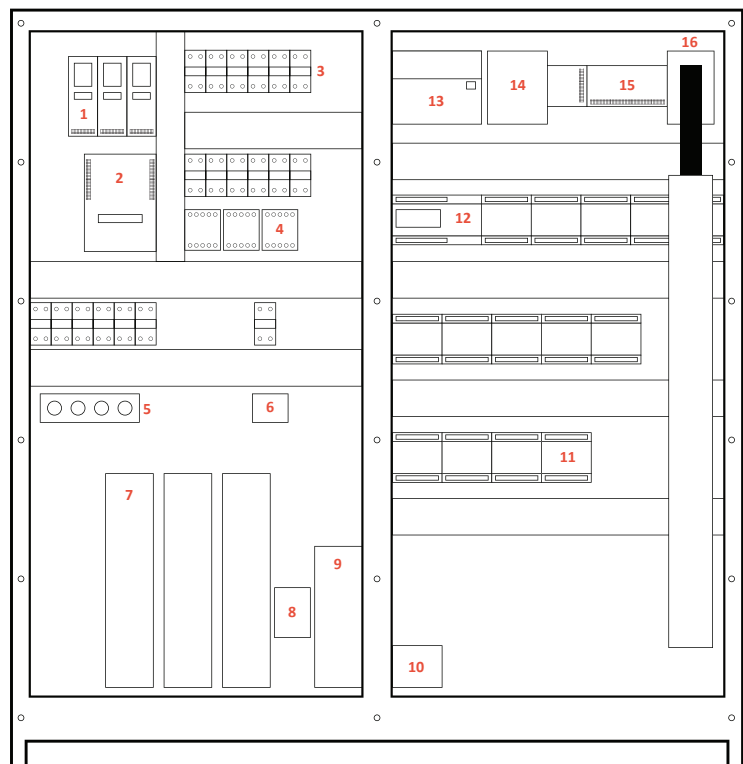


## DIMENSIONS



## DETAILS

- 01 - Power distribution block/single point entry
- 02 - Power meter
- 03 - LED indicated finger safe fuses
- 04 - Condenser fan contactors
- 05 - ECM evap fan relays
- 06 - Defrost heat contactors
- 07 - Condenser vfd's
- 08 - Magnetic starter/overload for compressors
- 09 - Low temp comp vfd
- 10 - Oil level control terminals
- 11 - Sensori case
- 12 - Sensori compressor safety modules
- 13 - 24vdc UPS
- 14 - 24vdc Power supply
- 15 - 24vdc fuse blocks
- 16 - Ethernet switch



## ELECTRICAL RATINGS

Input Voltages	208- 575 VAC
Phase	3
Amps	100
Control Circuit	24vac/dc
Encl. Type	1

## OLPP MECHANICAL FEATURES

Refrigerant	R-513a HFO
Compressor Oil	POE oil
Compression	Digital Scroll Compressors with oil sight glass
Compressor Safety	Oil level monitoring
Sub-Cooling, Low Side	Boil out suction accumulator for increased system subcooling
Sub-Cooling, High Side	Sub-cooling loop on condenser
Liquid Receiver	Dual relief and relief service tree on receiver
Refrigerant Clean-Up	Replaceable suction and liquid line filters
High Quality (Condensers/Condenser Fan Motors)	Zeihl-Abegg fan motor

## ENERGY MANAGEMENT

Main System	Oxford Sensori Control Platform
Case Management:	Integrated VEV control
Condenser Control	Floating Head with VFD controlled primary fan motor
Evaporator Management	EXV's with dedicated PLC

## REGULATIONS

Standards Certification	CSA approved
TSSA exempt	1.2 cu ft Receiver



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Reducing Utility Bills  
Reducing Maintenance Costs  
Reducing CO2 Emissions