



Medium Temp Capacity:
Up to 500 Tons

Low Temp Capacity:
Up to 250 Tons



OPS

Outdoor Parallel Systems

Easy Access to Interior Components

System and Contractors Protected from the Weather

Mounted on Roof or Concrete Pad

OPS FEATURES & OPTIONS

	Standard	Optional
Capacity	<ul style="list-style-type: none"> Low Temp: Up to 250 tons Medium Temp: Up to 500 tons Split Temp: Up to 500 tons 	<ul style="list-style-type: none"> Refrigerants <ul style="list-style-type: none"> R-134A R-404A R-407A Genesys™ Ammonia Systems (R-717) Genesys™ CO₂ Systems (R-744) Contact factory for refrigerants not listed R-448A R-449A R-507
Housing	<ul style="list-style-type: none"> Stucco-embossed aluminum exterior Welded steel base and frame w/ bottom lifting hardware Lift-up doors w/ pneumatic actuators Drip pan under compressors Powered ventilation LED service lighting and 110V GFCI convenience outlet Circuit penetrations (out end, side, or floor) Vibration mounting pads, shipped loose 	<ul style="list-style-type: none"> Custom-painted exterior Red-primed steel base frame and/or upper structure Lift-off doors or hinged doors Expanded metal floor Factory-installed condensers <ul style="list-style-type: none"> Top-mounted End-mounted Sound attenuation insulation Circuit penetrations (out roof) Contact factory for seismic options
Electrical	<ul style="list-style-type: none"> Power options (single-point or dual-feed) <ul style="list-style-type: none"> 460V/3/60Hz, Control 120V/1/60Hz 460V/3/60Hz, Control 208V/1/60Hz 208V/3/60Hz, Control 208V/1/60Hz 208V/3/60Hz/4-wire, Control 120V/1/60Hz 10K SCCR, 35K SCCR (industrial over 400MCA) Control power circuit breaker Micro-processor controller and I/O boards, per specifications Panel-mounted on/off control switches Condenser fan breaker and contactor (individual or pairs) <ul style="list-style-type: none"> Powered by OPS Powered by separate source 	<ul style="list-style-type: none"> Optional main power disconnects <ul style="list-style-type: none"> Thru-door, non-fused disconnect Remote, fused disconnect, shipped loose Remote, non-fused disconnect, shipped loose Factory-installed electric defrost power Factory-installed evaporator fan power Contact factory for higher SCCR ratings Contact factory for power options not listed Light in control panel
Compressors	<ul style="list-style-type: none"> Scroll, Reciprocating, or Screw <ul style="list-style-type: none"> Head fans (per compressor manufacturer's specifications) Crankcase heaters High and low pressure controls 	<ul style="list-style-type: none"> Capacity modulation Liquid subcooling
Low Side	<ul style="list-style-type: none"> Oversized suction header Single suction group Replaceable core suction filter per compressor w/ 2 sets of cores Individual circuit isolation valves w/ Schrader taps 1/2" insulation 	<ul style="list-style-type: none"> Suction accumulator (standard for industrial) Split suction groups Replaceable core suction filter per suction group w/ 2 sets of cores Split suction cross-over valves Hot gas bypass for low load control 3/4" or 1" insulation
Condenser	<ul style="list-style-type: none"> Condenser coil – tube & fin Single speed condenser fans 	<ul style="list-style-type: none"> Condenser coil – micro-channel Variable speed condenser fans Condenser coating as specified Adiabatic, evaporative, or water-cooled condenser
High Side	<ul style="list-style-type: none"> Oil separator Oil filter Discharge check valve Head pressure controls Horizontal receiver w/ dual pressure relief valves Receiver liquid level analog float Replaceable core liquid filter drier w/ 2 sets of cores and isolation valves Liquid line moisture indicator/sight glass 3/8" charging valve on main liquid line Main liquid line isolation valve Individual circuit isolation valves w/ Schrader taps 	<ul style="list-style-type: none"> Discharge differential pressure regulator (hot gas defrost) Heat reclaim Split condenser valves Heated receiver Rupture disks and gauges Flash gas subcooling Insulated receiver and liquid lines

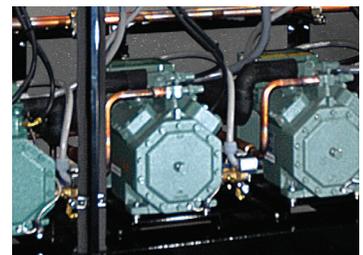
Standard Operating Conditions

-20°F to 110°F Ambient
(ASHRAE 0.4%)

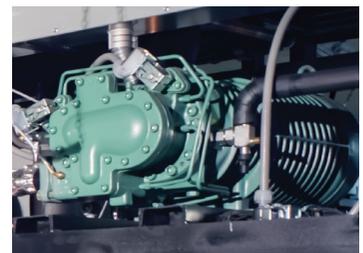
Compressor Options



Scroll Compressors



Reciprocating Compressors



Screw Compressors

LARGE APPLICATIONS



Ideal for cold storage warehouses, blast freezers and chillers, pasteurization plants, and other specialized applications.

“Zero Zone met every expectation we had. The main thing that stood out about Zero Zone was their knowledge.”

- Vice President of Meat Processing Company



The OPS is Right for Any Industrial or Commercial Application

- ✓ Stucco-Embossed Aluminum Exterior
- ✓ Welded Steel Base and Frame
- ✓ Lift-Up Doors with Pneumatic Actuators

MEDIUM APPLICATIONS



Ideal for supermarket stores and distribution warehouses.

"It's solid and uses good compressors and heavy duty metals. For a complex machine, its simplicity and putting it together at the job site was really good and easy to explain to the [end user]."

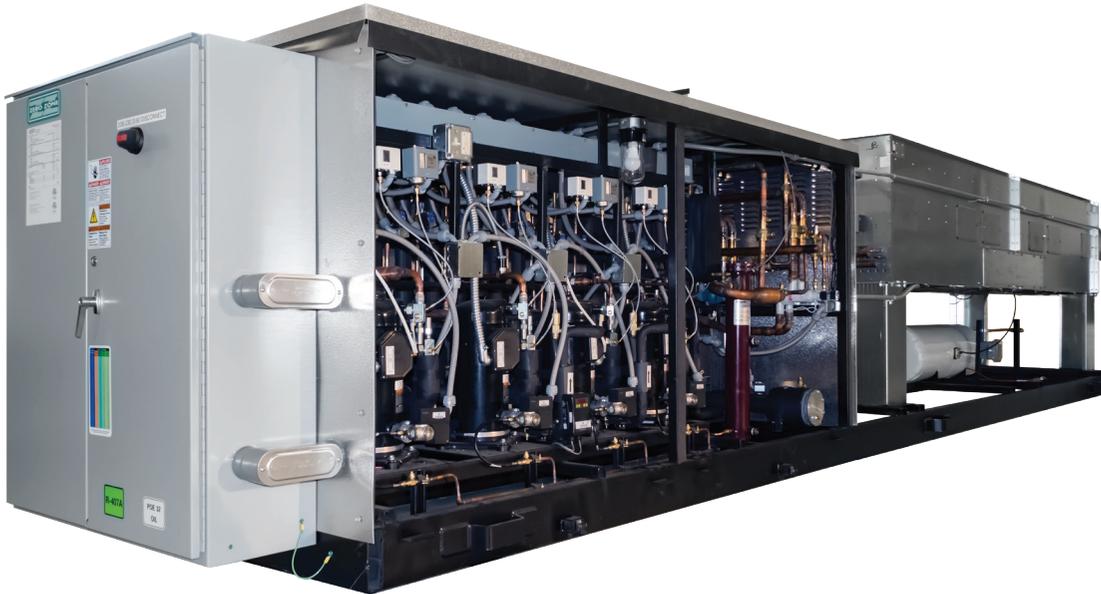
~ Senior Project Engineer at Installation

Excellent Serviceability

- ✓ Stay dry while servicing Zero Zone OPS units under lift-up doors



SMALL APPLICATIONS



Ideal for small-format retail stores, convenience stores, and microbreweries.

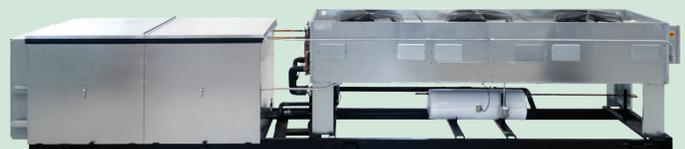
“When my mechanics saw the rack itself and those doors that opened up, they were very appreciative. Makes their job much easier.”

- Senior Warehouse Manager

“It’s a nice package, and you can tell just looking at it that they take pride in it.”

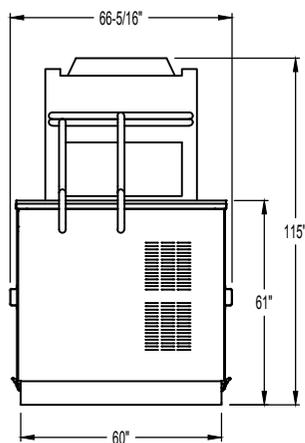
- President of Juice Manufacturer

Top-Mounted or End-Mounted Condensers Available

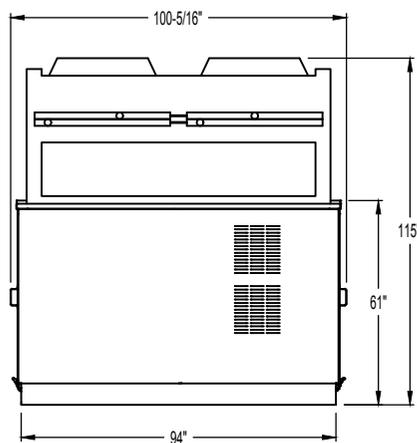


OUTDOOR PARALLEL SYSTEMS

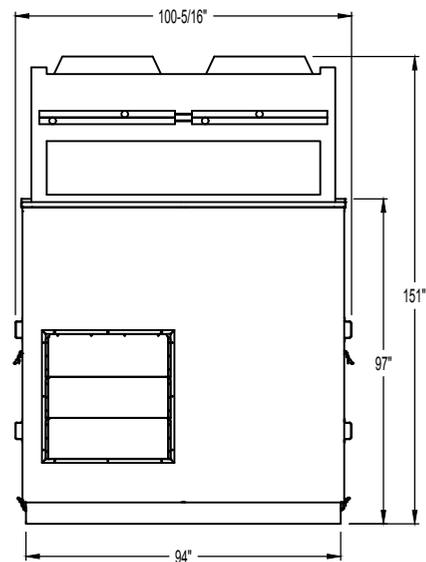
With Optional Top-Mounted Condenser



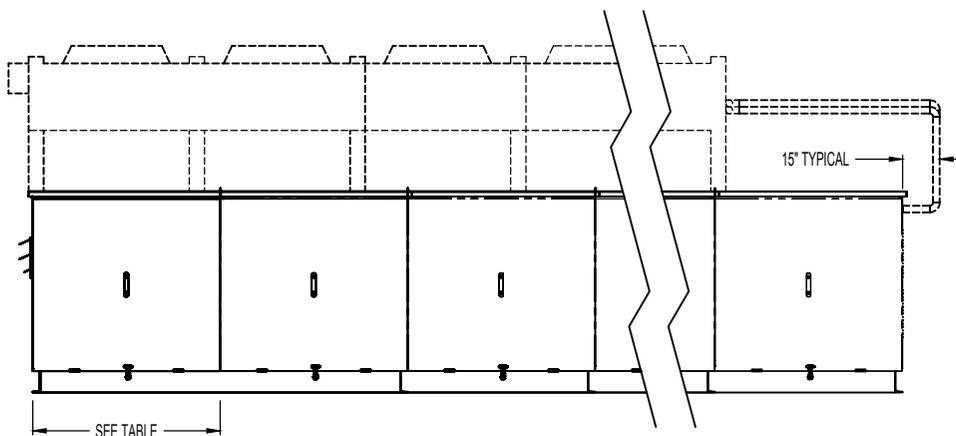
Single-Wide OPS
w/ Single Row Condenser
Right Side View



Double-Wide OPS
w/ Double Row Condenser
Right Side View



Double-Wide Tall OPS
w/ Double Row Condenser
Right Side View



OPS w/ Top-Mounted Condenser

OPS Unit Lengths

Number of Sections	1	2	3	4	5	6	7	8	9	10	11	12
Screw Compressors	48"	96"	144"	192"	240"	288"	336"	384"	432"	480"	528"	576"
Reciprocating Compressors	56"	112"	168"	224"	280"	336"	392"	448"	504"	560"	Consult Factory	Consult Factory



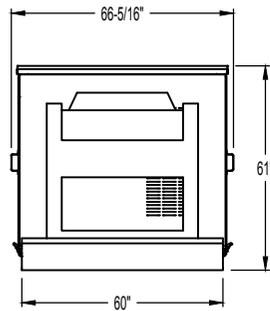
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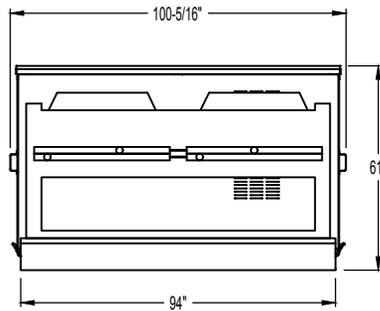
BR-18 REV C Insert

OUTDOOR PARALLEL SYSTEMS

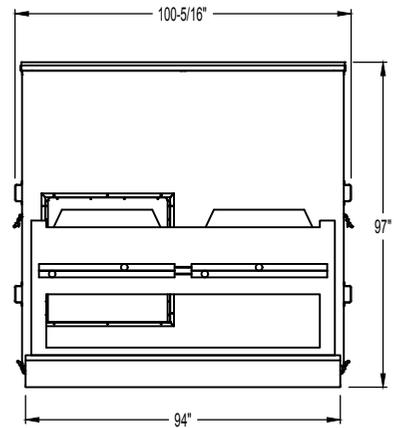
With Optional End-Mounted Condenser



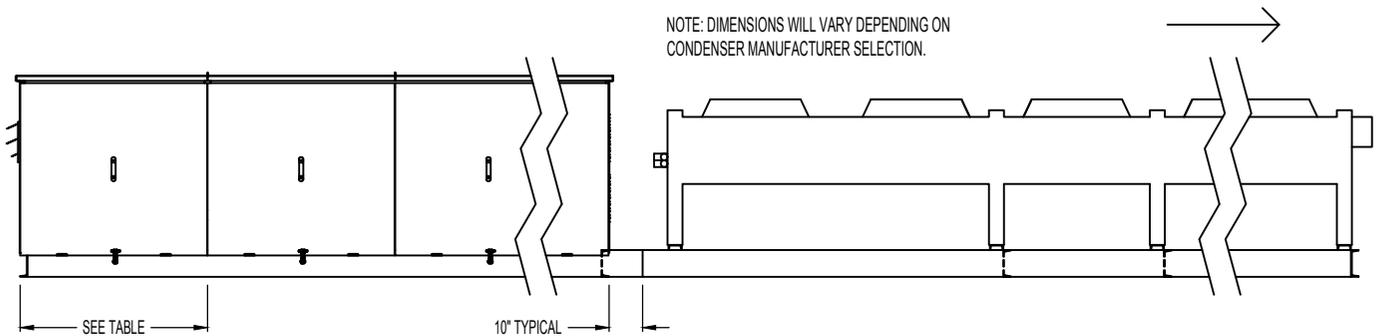
Single-Wide OPS
w/ Single Row Condenser
Right Side View



Double-Wide OPS
w/ Double Row Condenser
Right Side View



Double-Wide Tall OPS
w/ Double Row Condenser
Right Side View



OPS w/ End-Mounted Condenser

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Genesys™

Natural Refrigeration Solutions

We stand by our products. And you.

When you need sustainable refrigeration solutions, Genesys™ Natural Refrigeration Solutions are the natural choice. At Zero Zone, we've always been green. And, as an industry leader, we offer quality products and our expertise to help you confidently navigate ever-changing regulations that meet your business and sustainability goals. Even more, we stand by our products. And you.

CO₂

Ammonia



“We are committed to supplying our customers with the highest quality and best value in the refrigeration industry, along with an outstanding commitment to customer service.”

~ Dan O., President



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1-YEAR PARTS

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BR-18 REV C

