

# **QC3 QuickChillers**

## **Under-Counter, Reach-In, and Roll-In**



# Manufacturer's Information

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## Manufacturer

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Menomonee Falls, WI 53052

## Models Covered

QC3-3 QC3-20 QC3-40 QC3-100 QC3-100R	US (UL Certified) Models
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## Serial Number

The unit serial number is required for identifying and ordering the correct service parts.  
Record the unit serial number below for reference.

<b>Serial Number</b>

## Parts Finder Tool

Interactive diagrams from this Parts Manual are available online at our Parts Finder Tool:  
<https://www.alto-shaam.com/en/customer-support/parts>.  
Or, scan the QR code below.



## Parts Ordering Information

Original manufacturer's replacement parts may be ordered directly from the Alto-Shaam network of Authorized Service Agents and Parts Distributors. Follow this link for a map to a local partner: <https://www.alto-shaam.com/en/how-to-buy>. If you are an Authorized Service Agent or Parts Distributor, please submit your purchase order to [parts@alto-shaam.com](mailto:parts@alto-shaam.com).

Non-OEM parts may be substituted; however, these parts must be of equal quality and specifications as those provided by Alto-Shaam.

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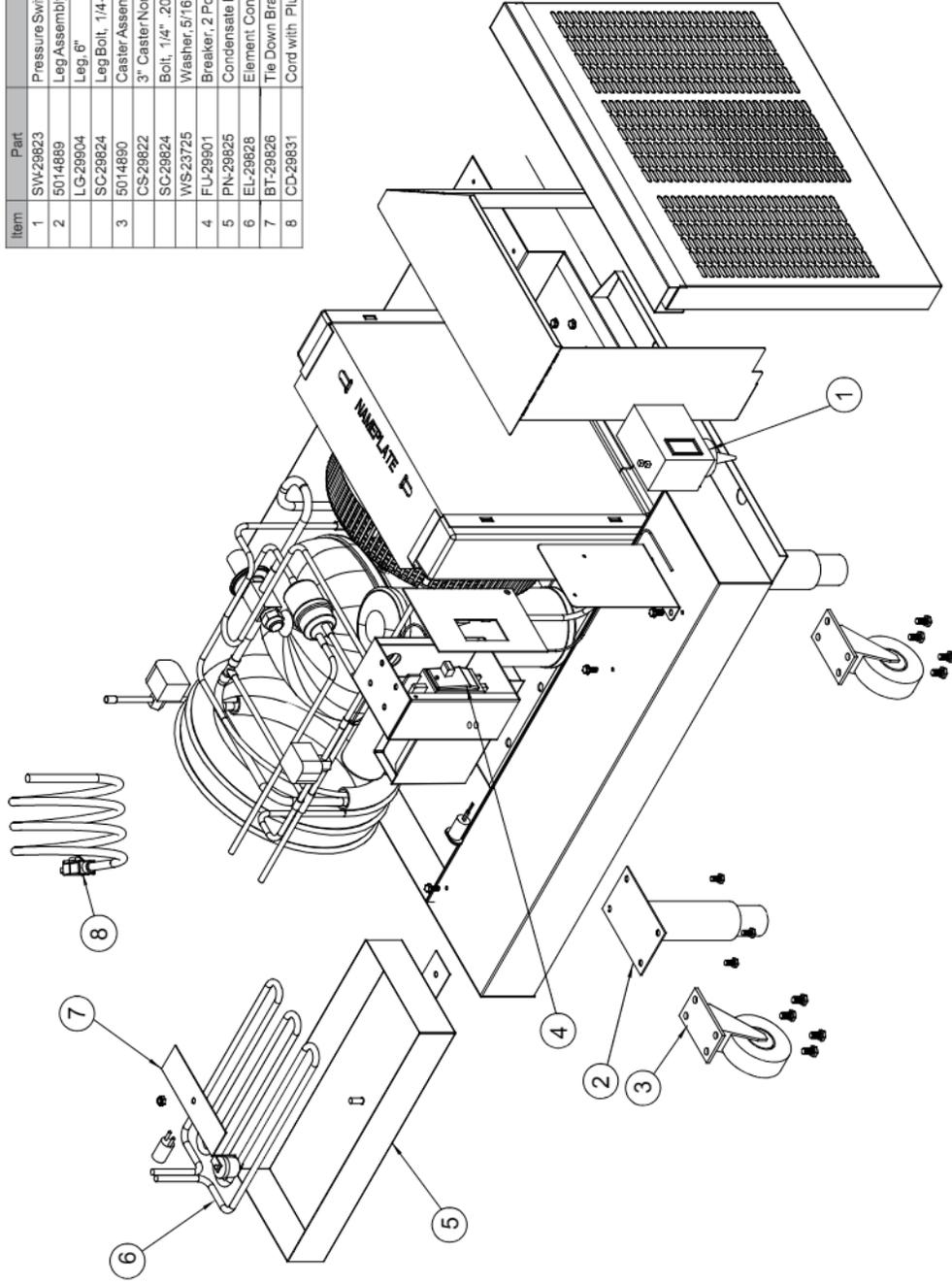
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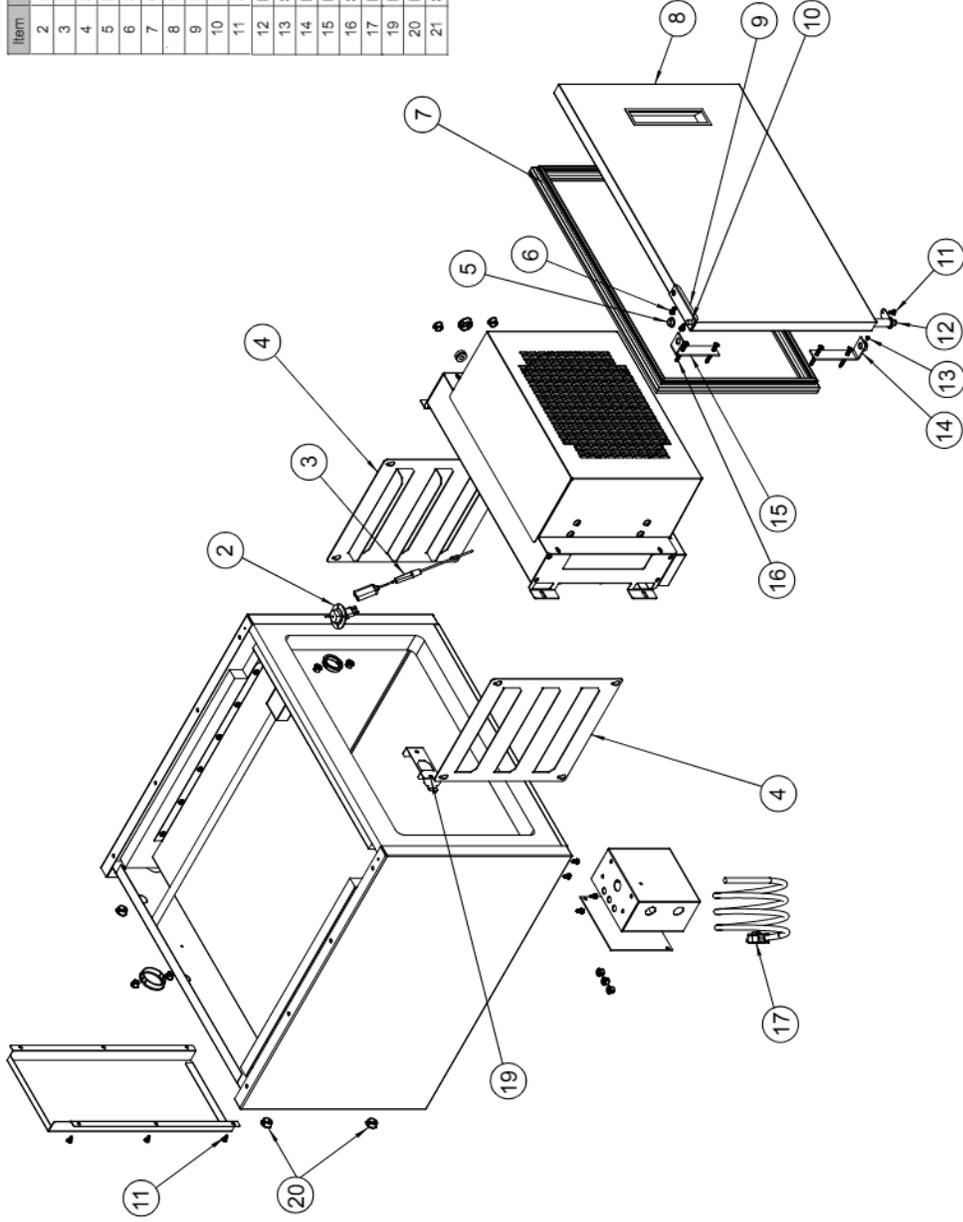
# QC3-3 BOTTOM

## QC3-3 Bottom



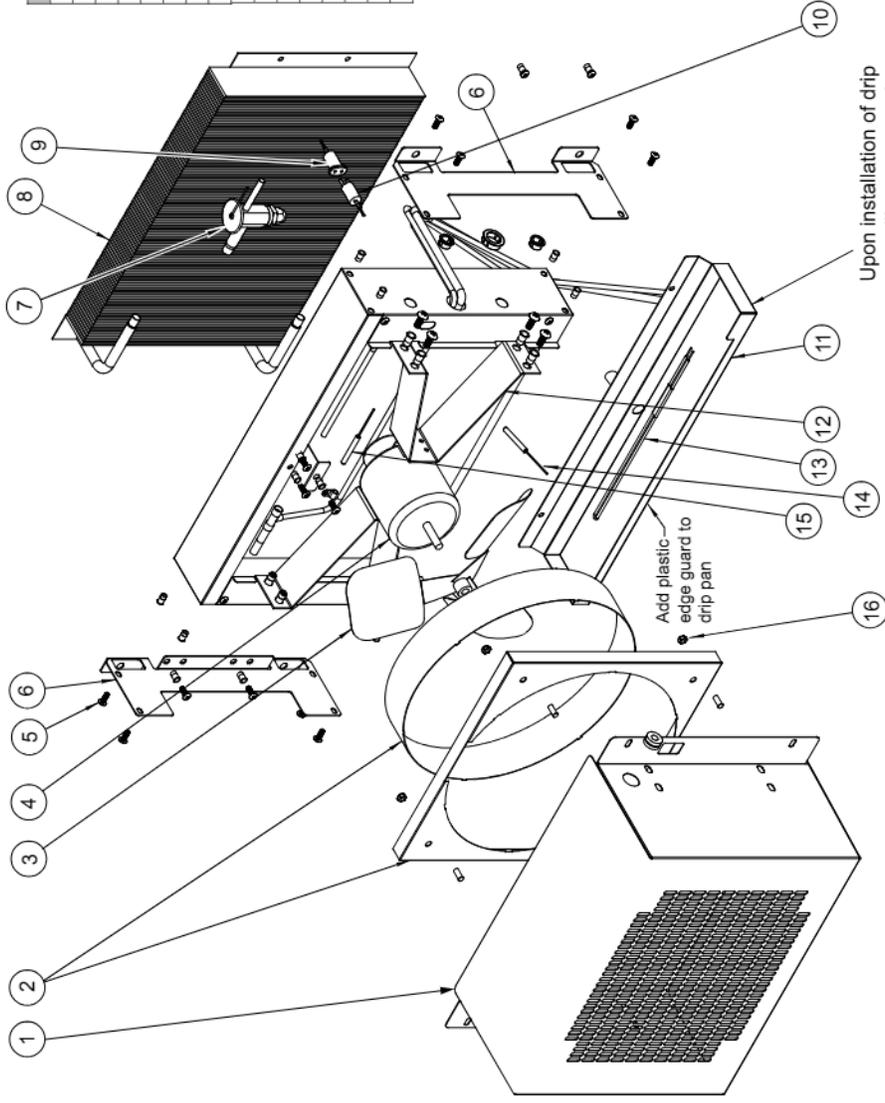
Item	Part	Description	Qty.
1	SW-29823	Pressure Switch	1
2	5014889	Leg Assembly (Set of 4)	1
	LC-29904	Leg, 6"	4
	SC-29824	Leg Bolt, 1/4-20 x 3.5" Shoulder Bolt Hex Head	16
3	5014890	Caster Assembly	1
	CS-29822	3" Caster Non-Locking, Option	4
	SC-29824	Bolt, 1/4", 20" x 5" Shoulder	16
	WS-23725	Washer, 5/16" ID, 3/4", OD, .042" thick	16
4	FU-29901	Breaker, 2 Pole 20 Amp, QOU220 Universal	1
5	PN-29825	Condensate Evaporator Pan	1
6	EL-29826	Element Condensate Pan, 115V/200W Evap. 000274 N	1
7	BT-29826	Tie Down Bracket for Elect Condensate Evaporator Heater	1
8	CD-29831	Cord with Plug, 20Amp 125V/5-20P, 9' Long	1

# QC3-3 Box View



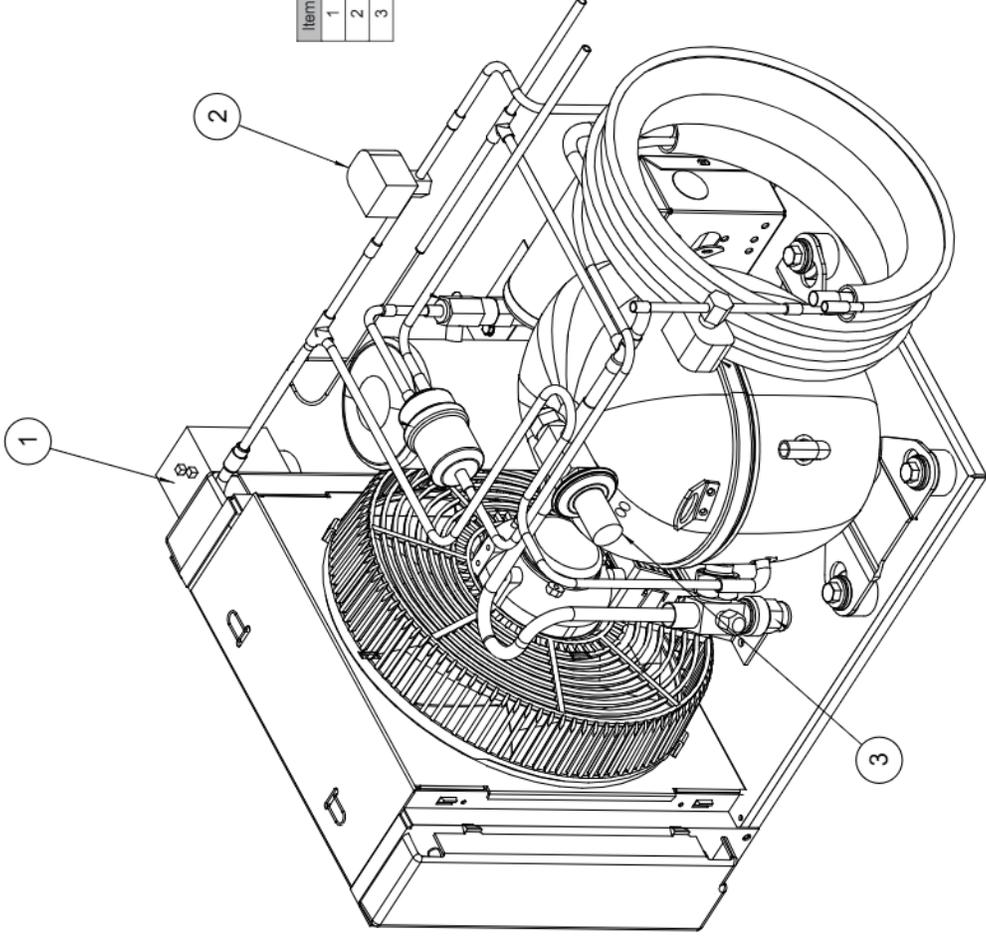
Item	Part	Description	Qty.
2	PR-35771	Probe Receptacle Assembly	1
3	PR-36201	Probe, Quick Connect	1
4	SR-29832	Stainless Steel Side Rack	2
5	BU-29937	Bushing, Nylon Hinge 118	1
6	SC-29839	Screw, 10x1/2" Slot	1
7	GS-29838	Gasket, 15.59 x 24.25 Push In Press In	1
8	DR-29833	Door, Hinged Left	1
9	HG-35736	Hinge, Top Door, Left Hand Channel	1
10	PI-35930	Hinge Pin	1
11	SC-29835	Screw, 10x1/2" T/H/P 410 S/S M4XG	1
12	HG-29834	Hinge, Spring Load Assembly	1
13	SC-29837	Screw, 1/4 -20 x 5/8" Socket Set 18-8 SS	1
14	HG-29836	Hinge, Strap w/ Collar 38mm L-Shaped	1
15	HG-29960	Unit Hinge Bracket	1
16	SC-29910	Screw, 10x2" THP TYPEAS M62G 410SS	4
17	RE-29844	Cord, 2 Prong Male, for Fan	1
19	HL-29840	Food Probe Holder	1
20	PG-35098	Plug, 3/4" Grommet	5
21	ST-35099	Stud, Side Rack Mounting (not shown)	4

# QC3-3 Coil



Item	Part	Description	Qty.
1	GD-29848	Fan Guard	1
2	GD-29850	Fan Shroud Assembly	1
3	FA-29854	Blade, 12" (305mm) Evaporator Fan	1
4	FA-29853	Motor, Fan ESPOL75EM14	1
5	SC-29855	Bolt, 10-24x5 Phillip Truss	19
6	BT-29847	Evaporator Coil Mounting Bracket	2
7	VA-29852	Valve, 1/4 Ton R404L-T MOP	1
8	RE-29846	Coil Assembly, 12x17-1/4 3EX0802C	1
9	CD-29831	Cord, 2 Prong 24" (610mm) Female	1
10	CD-29856	Cord, 2 Prong 24" (610mm) Male	1
11	PN-29851	Drain Pan with Tubing, Evaporator BC-3	1
12	BT-29849	Fan Mounting Bracket	2
13	WI-35157	Wire, 11" (279mm) Loop, Drain Heater	1
14	PR-37483	Coil Sensor, Defrost/Sensor	1
15	SN-33541	Sensor, 1-3/4" (44mm) Long	1
16	NU-29827	Nut, 10-24 Stainless Nylock	4

# QC3-3 Compressor

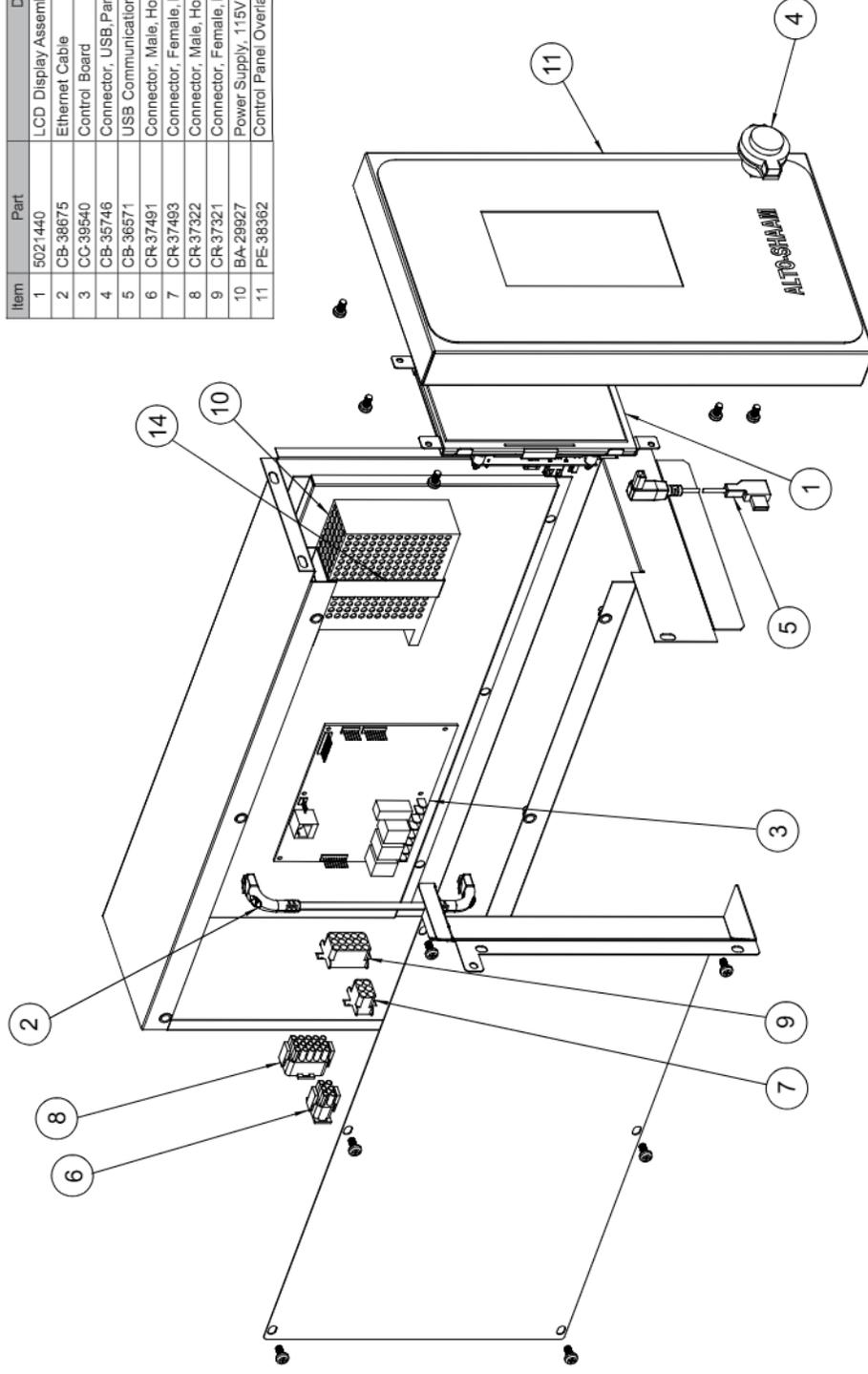


Item	Part	Description	Qty.
1	SW-29823	Pressure Switch	1
2	VA-29863	Solenoid Valve & 120V Coil	2
3	VA-29864	Valve, Sporlan CRO-4-0/75 Crankcase Pressure Reg.	1

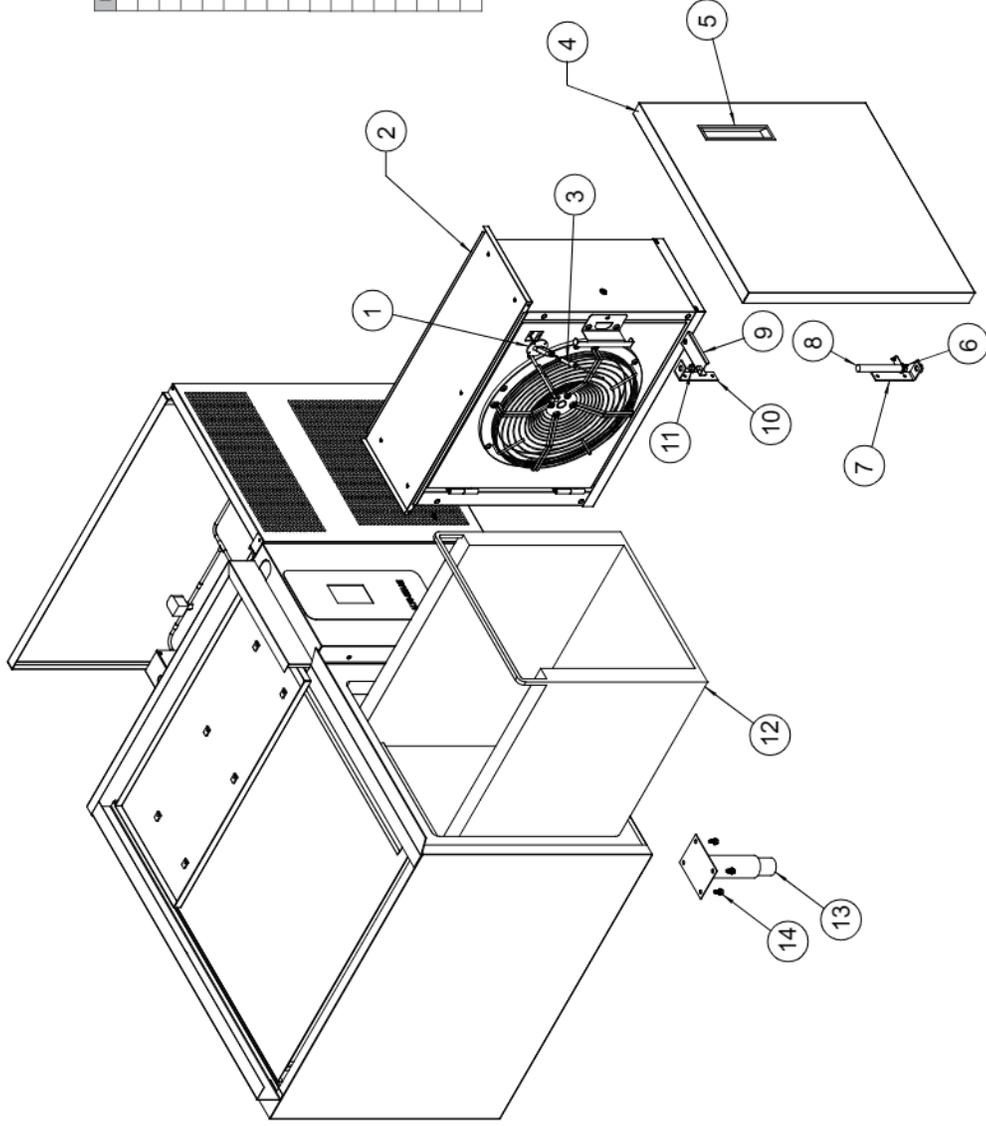
# QC3-3 CONTROL BOX

## QC3-3 Control Box

Item	Part	Description	Qty
1	5021440	LCD Display Assembly, 7"	1
2	CB-38675	Ethernet Cable	1
3	CC-39540	Control Board	1
4	CB-35746	Connector, USB Panel Mount	1
5	CB-36571	USB Communication Cable w/ plug	1
6	CR-37491	Connector, Male, Housing	1
7	CR-37493	Connector, Female, Housing	1
8	CR-37322	Connector, Male, Housing	1
9	CR-37321	Connector, Female, Housing	1
10	BA-29927	Power Supply, 115V to 12VDC	1
11	PE-38362	Control Panel Overlay	1



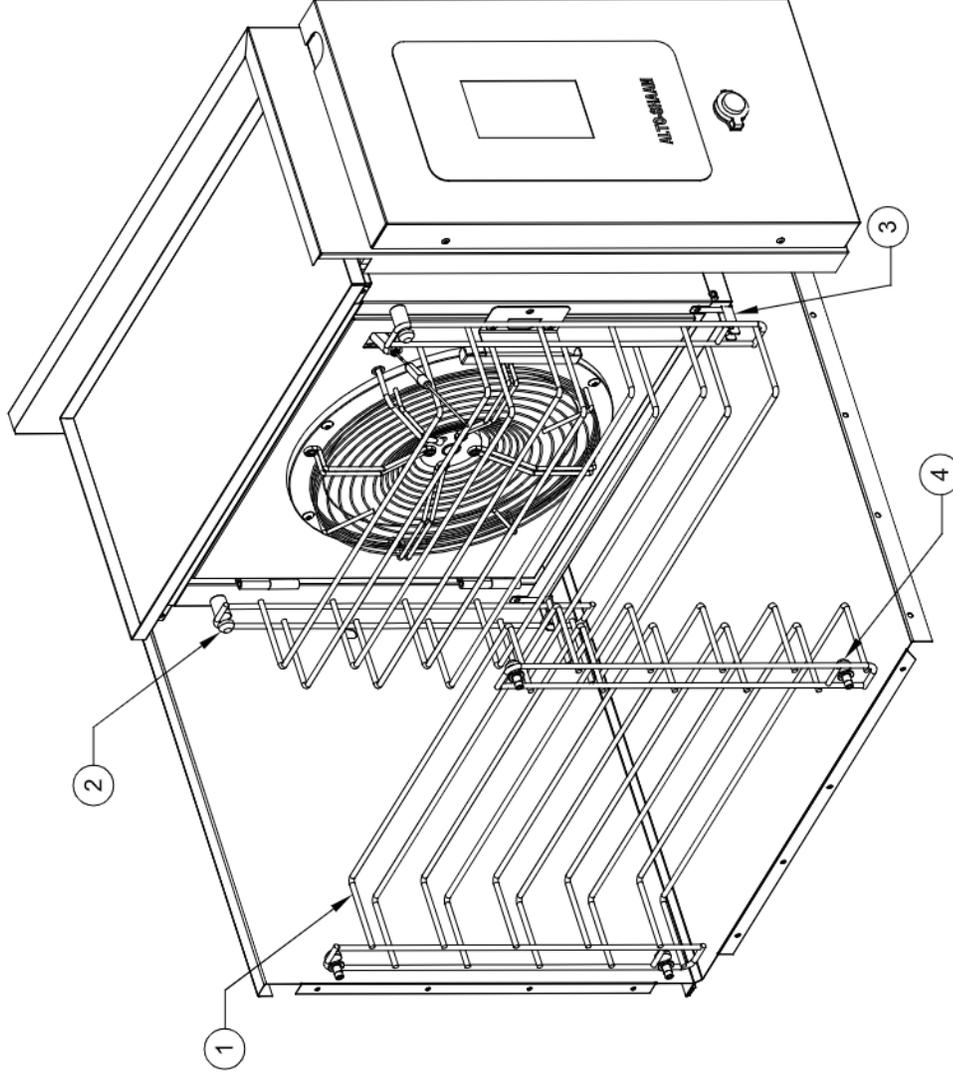
# QC3-20 Box



Item	Part	Description	Qty.
1	PR-35771	Probe Receptacle Assembly	1
2	RE-29805	Coil Assembly	1
3	PR-36201	Probe, Product	1
4	DR-29957	Door Assembly with Handle, Hinged Left	1
5	HD-29958	Door Assembly with Handle, Hinged Right	1
6	SC-29837	Bolt, Black Set Screw	1
7	HG-29836	Hinge, Strap w/ Collar 41mm, L-shaped	1
8	HG-29834	Hinge, Self-Closing	1
9	HG-29959	Hinge, Top Door, Left Hand Channel	1
10	HG-29860	Hinge, Strap w/o Collar 38mm, L-shaped	1
11	BU-29937	Bushing, Nylon Hinge	1
12	SR-35827	Slide 9-Pan Rack, Standard	1
13	SR-29969	Stainless Steel Side Rack, Optional	2
14	LG-29804	Leg, 6"	4
14	SC-29824	Leg Bolt, 1/4"-20 x 3.5" Shoulder Bolt Hex	16

## QC3-20 OPTIONAL SIDE RACK

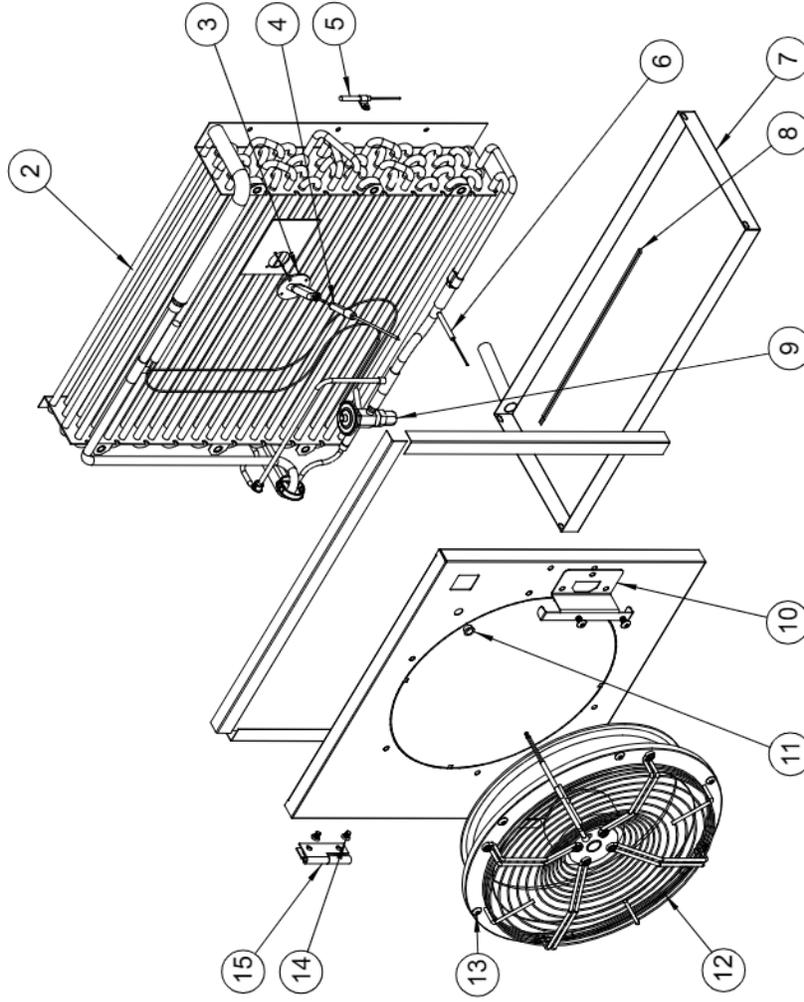
### QC3-20 Optional Side Rack



Item	Part	Description	Qty.
1	SR29969	Sideracks	2
2	PI-29939	Pins, long	2
3	BT-29942	Bracket	2
4	PI-35828	Pins, short	4

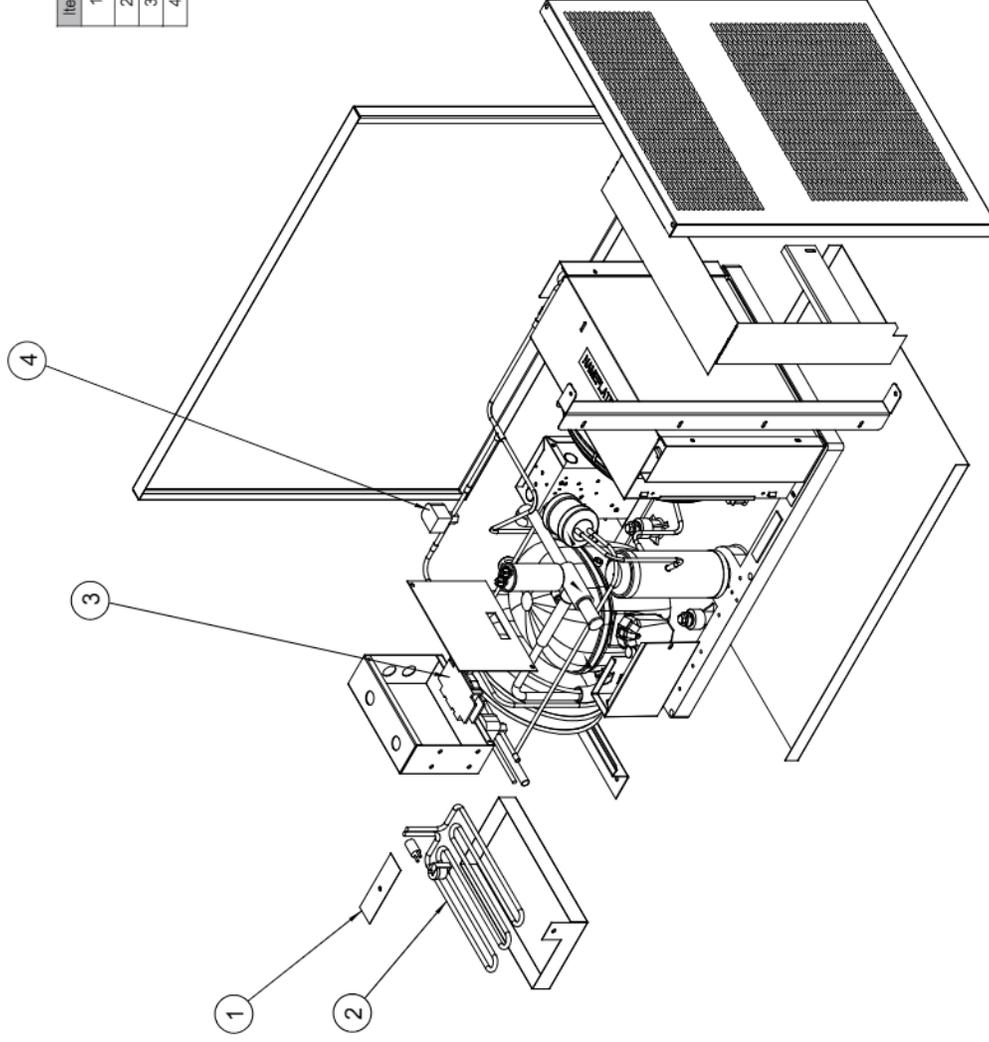
# QC3-20 Coil

Item	Part	Description	Qty.
2	RE-29905	Coil	1
3	PR-35771	Probe Receptacle Assembly	1
4	PR-36201	Probe, Product	1
5	SN-33541	Sensor, Air	1
6	PR-37483	Coil Sensor, Defrost/Sensor	1
7	PN-28943	Drip Pan	1
8	WI-35157	Wire, 11" (279mm) Loop Drain Heater	1
9	VA-29900	Expansion Valve	1
10	LT-29940	Latch, Plate for Fan Door	1
11	BU-29937	Bushing, Nylon	1
12	FA-29945	Fan	1
13	SC-29935	Bolt, 1/4-20	19
14	SC-29936	Bolt, 1/4-20 x 3/8"	8
15	HG-29938	Hinge Assembly, 2" x 3" Lift Off Left	2



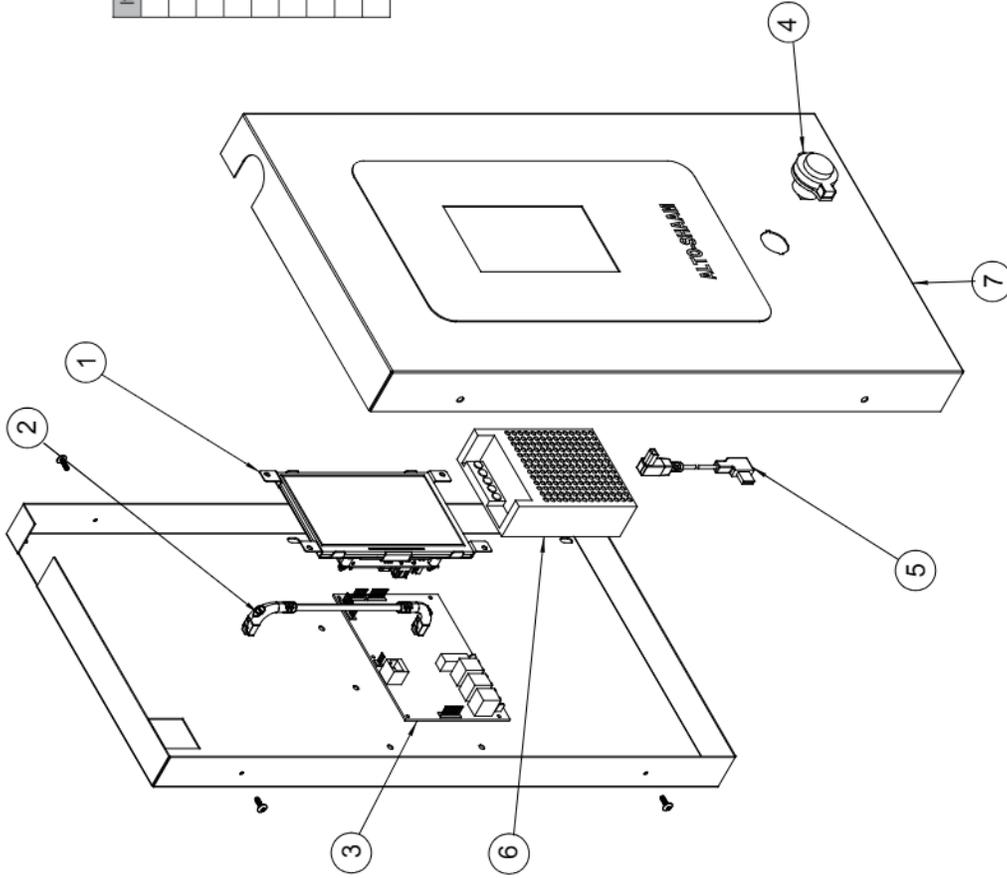
# QC3-20 COMPRESSOR

## QC3-20 Compressor



Item	Part	Description	Qty.
1	RE-29966	Condensate Evaporator Pan, includes Hold Down Bracket	1
2	EL-29828	Evaporator Element, 115V/200W	1
3	FU-29965	Breaker, 1 Pole 20 Amp	1
4	VA-29893	Solenoid Valve	1

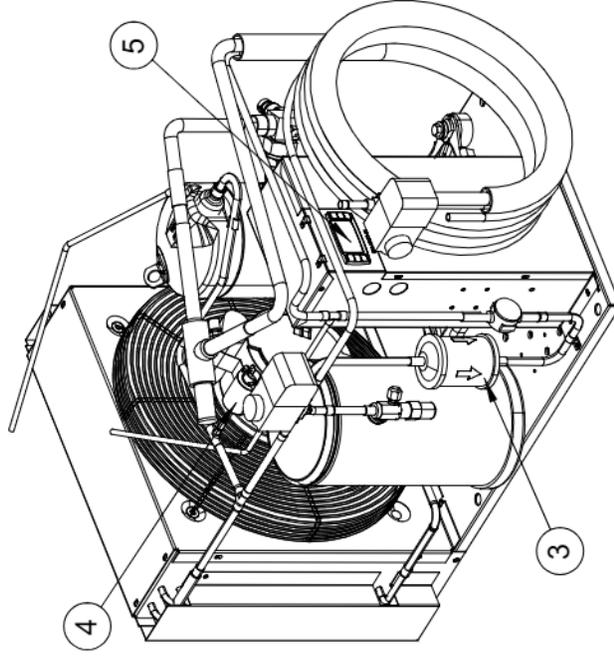
# QC3-20 Control Panel



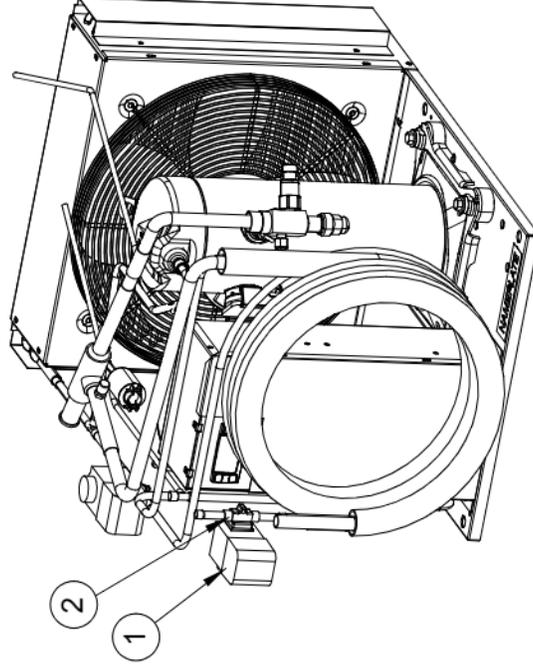
Item	Part	Description	Qty.
1	5021440	LCD Display Assembly, 7"	1
2	CB-38675	Ethernet Cable	1
3	CC-39540	Control Board and Firmware	1
4	CB-35746	Connector, USB, Panel Mount	1
5	CB-36571	USB Communication Cable	1
6	BA-29927	Board, Power Supply	1
7	PE-38362	Control Panel/Panel Overlay Assembly	1
8	5018422	Beeper Assembly (not shown)	1
9	SW-36882	Door Switch (not shown)	1

# QC3-40 COMPRESSOR

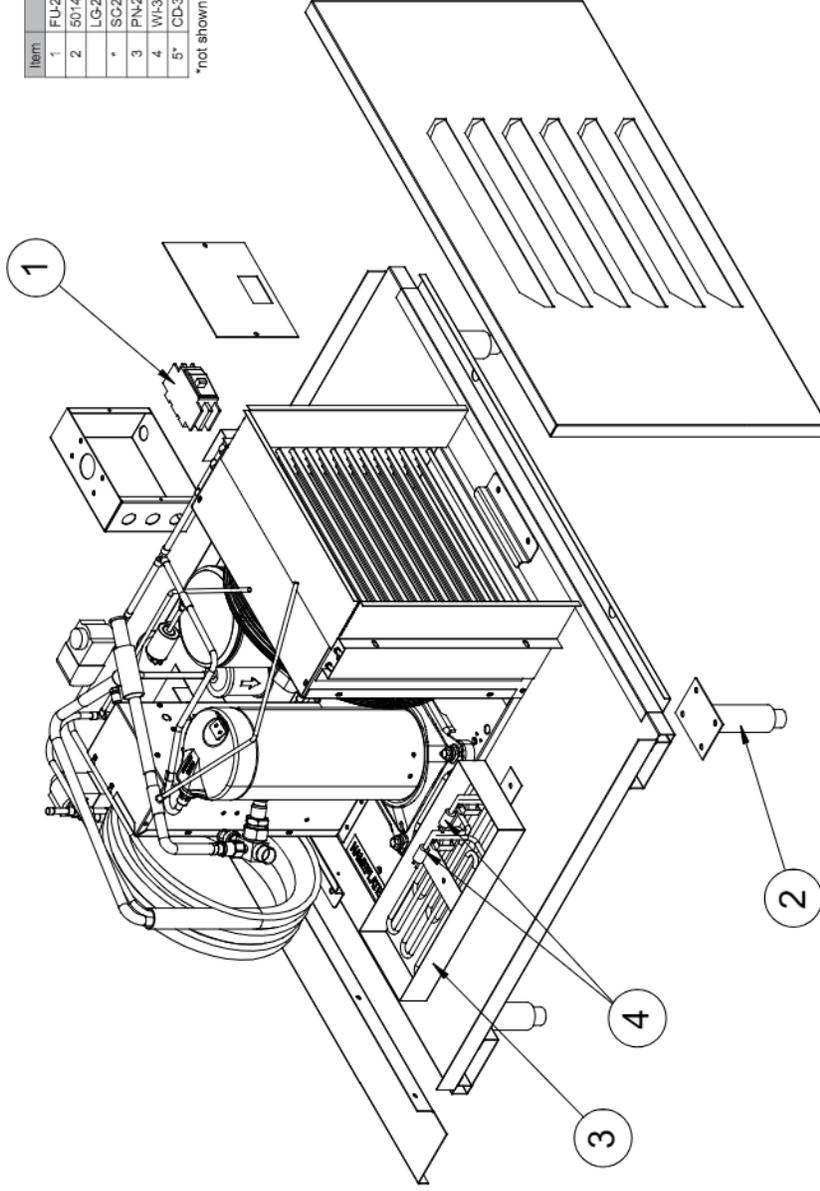
## QC3-40 Compressor



Item	Part	Description	Qty.
1	RE-35155	Coil, Solenoid, 120V, 18Z7612	2
2	VA-29898	Valve, Liquid Line Solenoid	2
3	FI-37502	Filter Dryer	1
4	SW-37504	Switch, High Pressure, 985-7031-01	1
5	CC-37516	Pressure Control	1



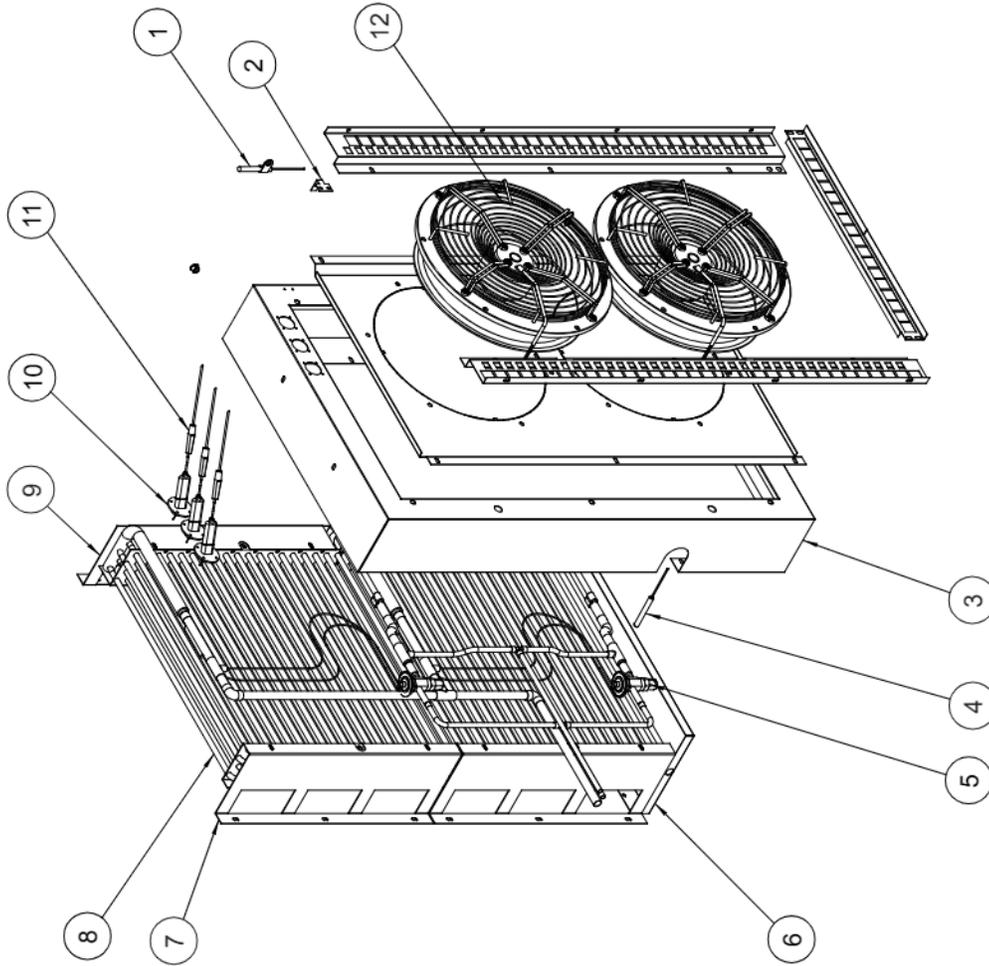
# QC3-40 Compressor Housing



Item	Part	Description	Qty.
1	FU-29901	Breaker, 2 Pole 20 Amp, 60 Hz	1
2	501-6889	Leg Assembly (Set of 4)	1
	LG-29904	Leg, 6"	4
*	SC-29924	Leg Bolt, 1/4-20 x 3.5" Shoulder Bolt Hex Head	16
3	PN-29903	Evaporator Pan without Element	1
4	WH-35102	Evaporator Pan Heater	2
5*	CD-35103	Cord and Plug, 125/250V 20 Amp 14-20P 9' Long	1

\*not shown

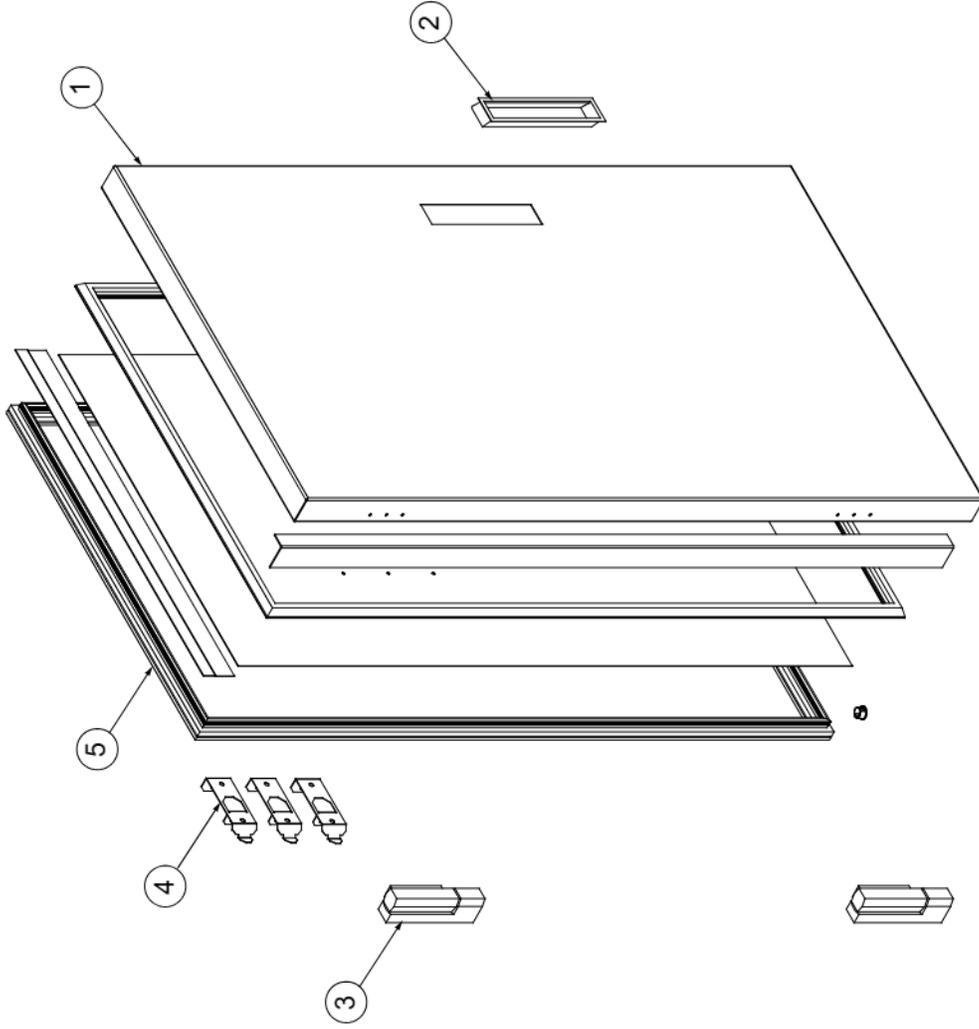
# QC3-40 Coil



Item	Part	Description	Qty.
1	SN-33541	Air Sensor	1
2	**	Air Sensor Mounting Bracket	1
3	**	Housing, Refrigeration Enclosure	1
4	PR-37483	Coil Sensor/ Defrost/Sensor	1
5	VA-29906	Valve, Expansion	2
6	PN-37583	Drain Pan, Evaporator, Right	1
7	PN-37582	Drain Pan, Evaporator, Left	1
8	CL-37751	Clip, Left, Coil	2
9	RE-29905	Evaporator Coil	2
10	CL-37752	Clip, Right, Coil	2
11	PR-35486	Probe Receptacle	3
12	PR-35770	Probe	3
	FA-29945	Evaporator Fan	2

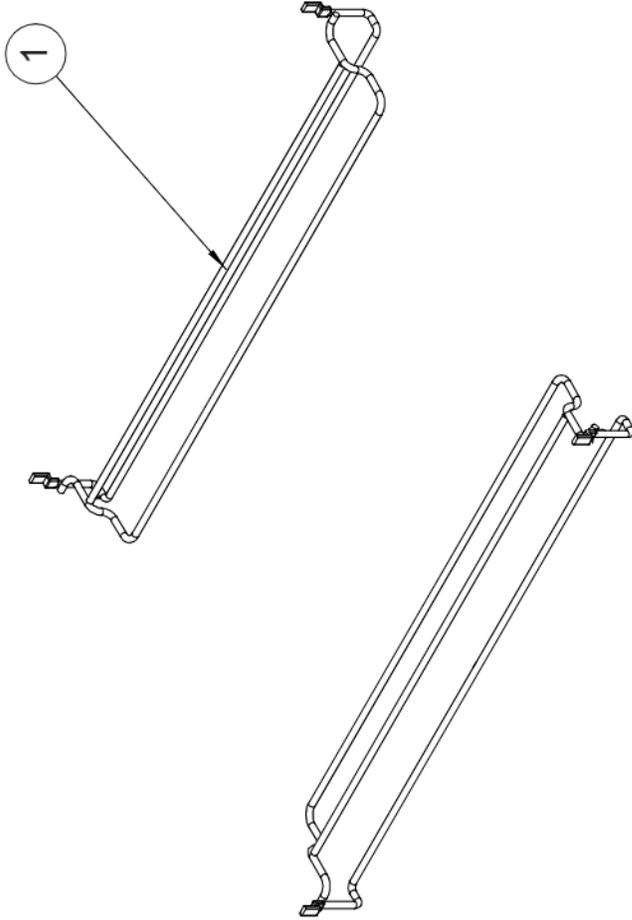
\*\* not available from factory

# QC3-40 Door



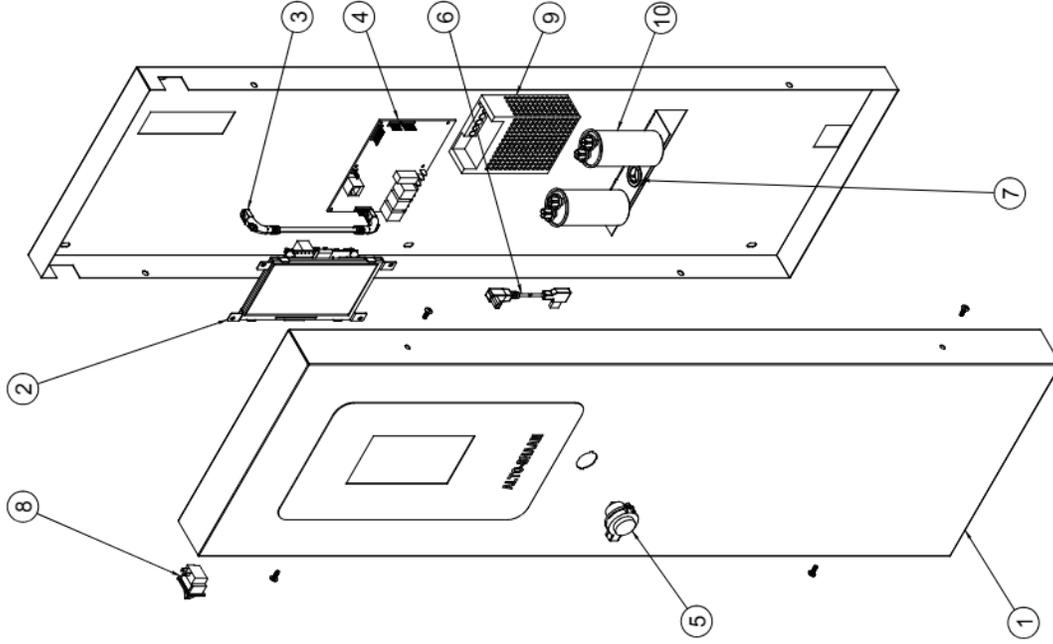
Item	Part	Description	Qty.
1	DR-36748	Door Assembly, Left-Hand	1
2	Contact factory	Door Assembly, Right-Hand	1
3	HD-29958	Handle, Door	1
4	HG-36650	Hinge	1
5	HL-29840	Food Probe Holder	3
	GS29914	Gasket, Door	1

## QC3-40 Pan Supports



Item	Part	Description	Qty
1	SR36881	Rack,PanSupport	18

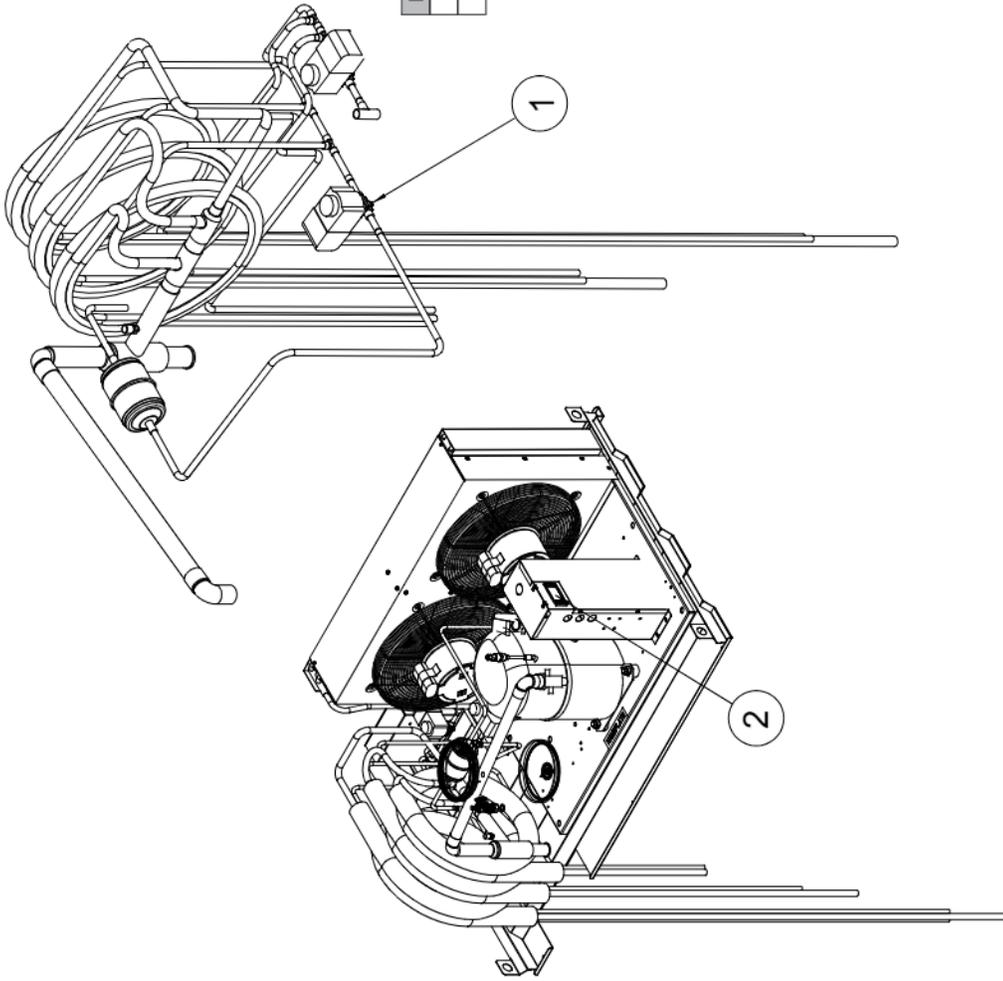
# QC3-40 Control Panel



Item	Part	Description	Qty.
1	PE-38362	Control Panel/Panel Overlay Assembly	1
2	5021440	LCD Display Assembly, 7"	1
3	CB-38675	Ethernet Cable	1
4	CC-39540	Control Board and Firmware	1
5	CB-35746	Connector, USB	1
6	CB-36571	USB Communication Cable with Plug	1
7	BU-33619	Grommet, 1" Hole	1
8	SW-36882	Door Switch	1
9	BA-29927	Power Supply	1
10	CU-29964	Capacitor	2
11	5018422	Beeper Assembly (not shown)	1

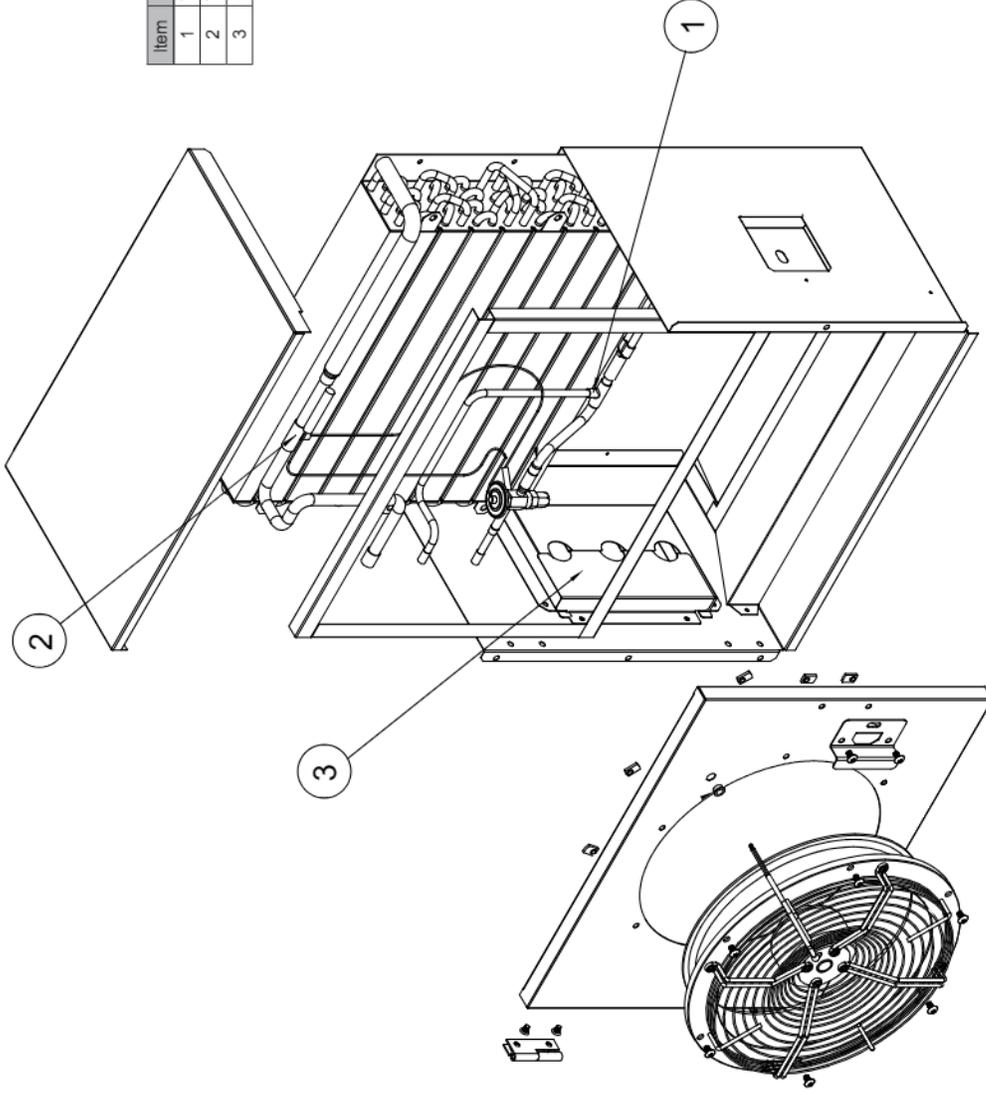
# QC3-100 COMPRESSOR

## QC3-100 Compressor



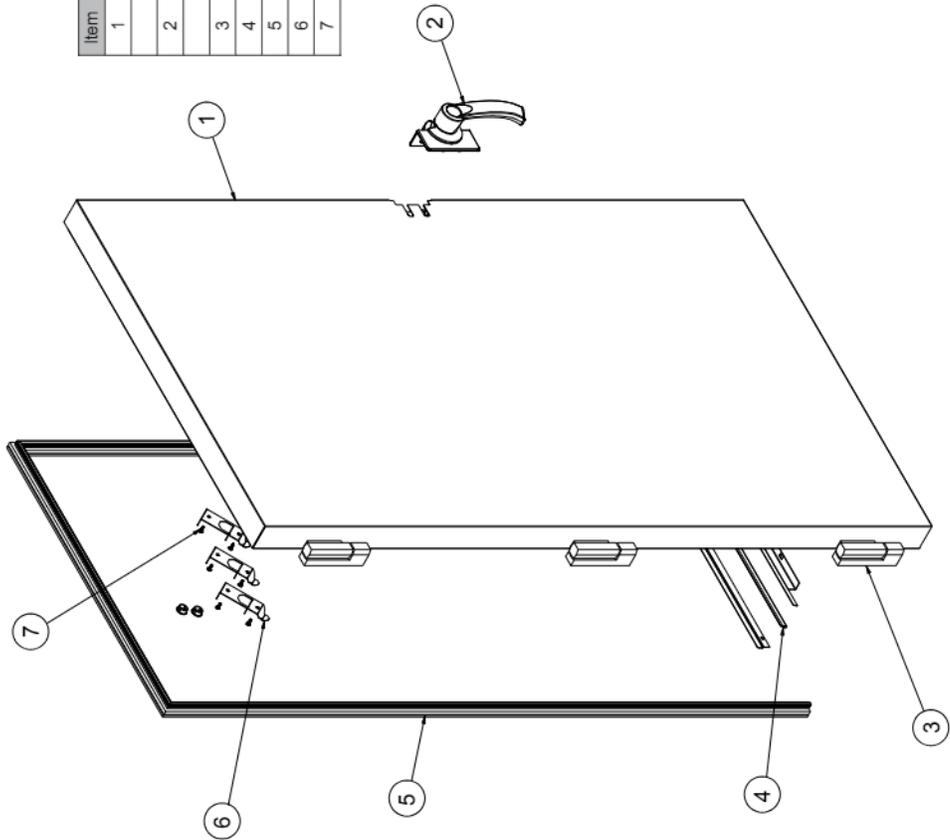
Item	Part	Description	Qty.
1	VA-29898	Valve, Liquid Line Solenoid	2
2	CC-37516	Pressure Control	1

# QC3-100 Coil



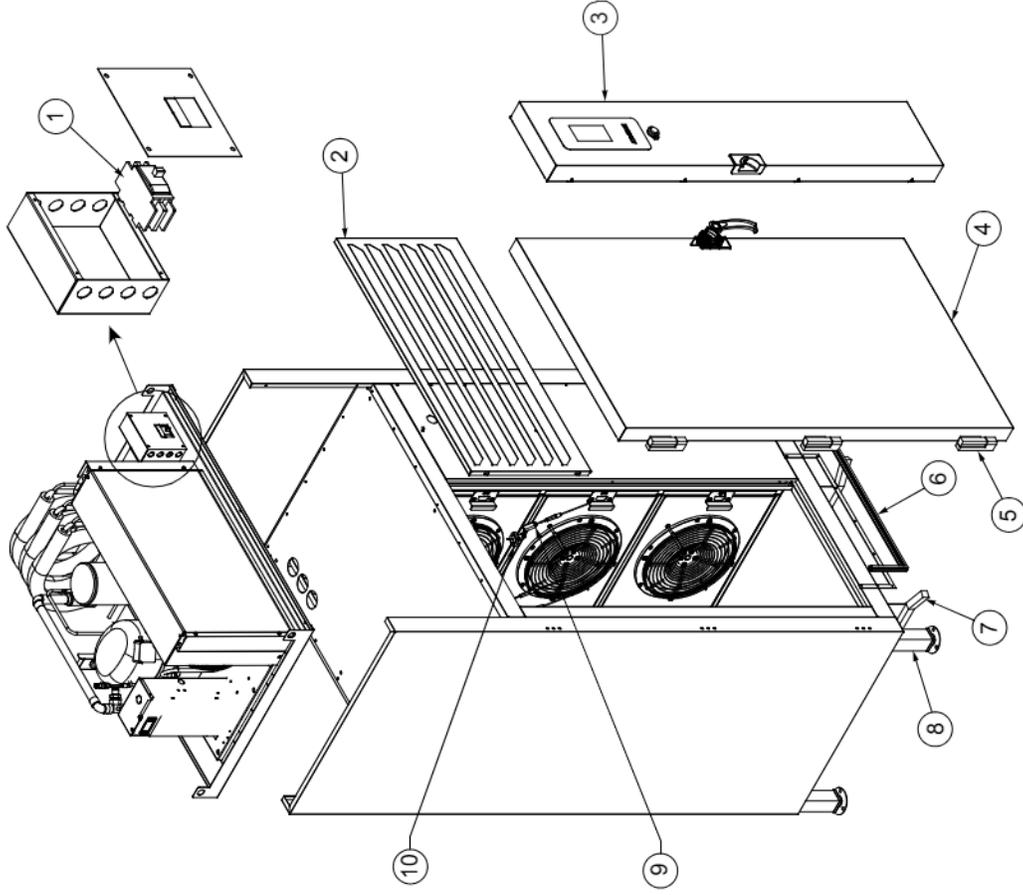
Item	Part	Description	Qty.
1	TE-35153	Tee, Copper, 1/2" x 1/2" x 3/8" ID	1
2	TE-29985	Tee, Copper, 1/2" x 1/2" x 1/4" ID	1
3	CV-37624	Cover	

# QC3-100 Door



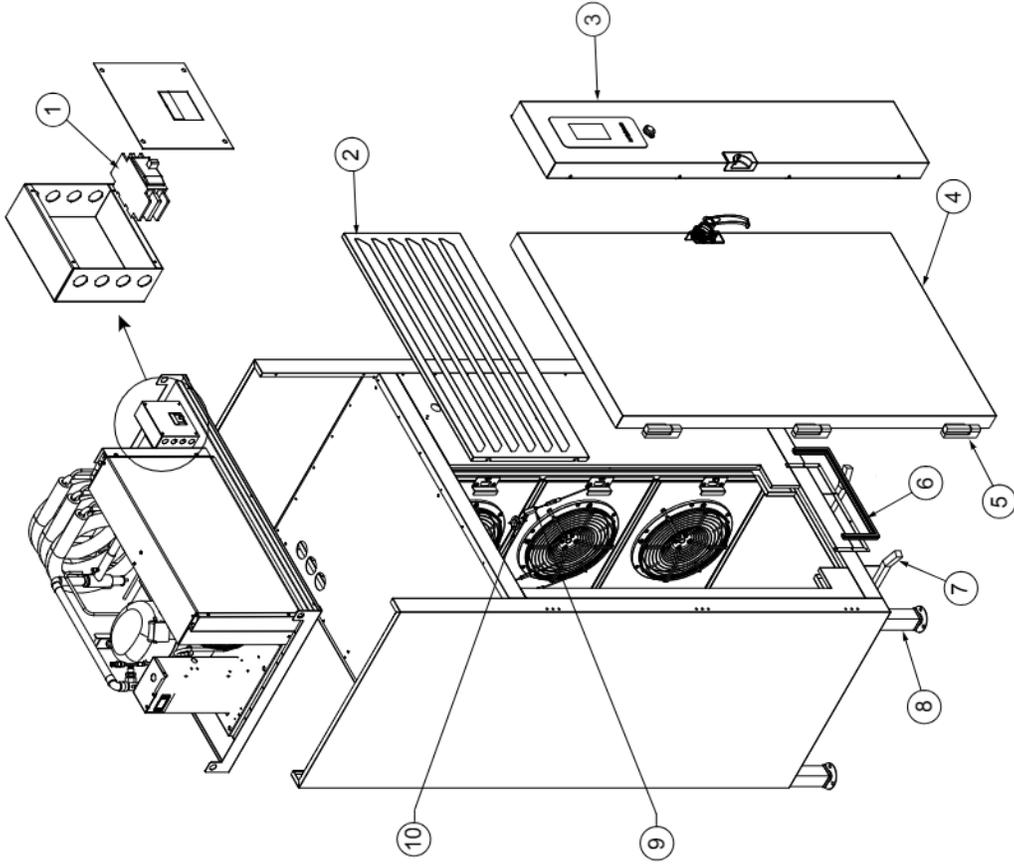
Item	Part	Description	Qty.
1	DR-29990	Door Assembly, Left-Hand	1
	Contact factory	Door Assembly, Right-Hand	1
2	HD-26967	Handle, Door, LH	1
	HD-26966	Handle, Door, RH	1
3	HG-36650	Hinge, Adjustable	3
4	GS-29994	Gasket, Compression	1
5	GS-29993	Gasket, Door	1
6	HL-29840	Food Probe Holder	3
7	SC-29991	Bolt, 8-32 X 1/2, Phillips Truss	6

# QC3-100 Interior (LH door shown)



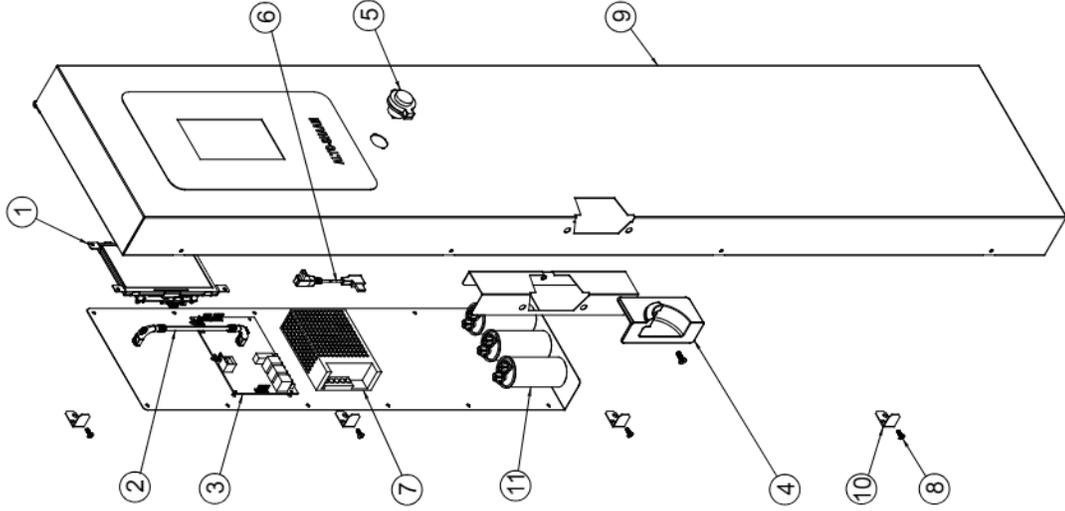
Item	Part	Description	Qty.
1	FU - 29996	Breaker, 2 Pole, 30 Amp	1
2	PN - 29842	Louver Panel	1
3	PN - 38362	Panel, Control Panel Assembly,	1
4	DR - 29990	Door Assembly, Left-Hand	1
	Contact factory	Door Assembly, Right-Hand	1
5	HG - 36650	Hinge, Adjustable	3
6	GS - 35308	Gasket, Compression	1
7	Contact factory	Trolley Guides	1
8	5016746	Leg Assembly (Set of 4) - Not factory installed	1
9	PR - 35770	Probe, Quick Connect	3
10	PR - 35486	Probe, Receptacle	3

## QC3-100/NT Narrow Trolley (LH door shown)



Item	Part	Description	Qty.
1	FU-29996	Breaker, 2 Pole, 30 Amp	1
2	PN-29842	Louver Panel	1
3	PE-38362	Panel, Control Panel Assembly	1
4	DR-37463	Door Assembly, Narrow Trolley, Left-Hand	1
	DR-37464	Door Assembly, Narrow Trolley, Right-Hand	1
5	HG-36650	Hinge, Adjustable	3
6	GS-37461	Gasket, Lower Trolley	1
7	Contact factory	Trolley Guides (Set of 2)	1
8	5016746	Leg Assembly (Set of 4) - Not factory installed	1
9	PR-35770	Probe, Quick Connect	3
10	PR-35486	Probe, Receptacle	3

# QC3-100 Control Panel (LH shown)



Item	Part	Description	Qty.
1	5021440	LCD Display Assembly, 7"	1
2	CB-38675	Ethernet Cable	1
3	CC-39540	Control Board and Firmware	1
4	LT-26968	Door Latch, Left-Hand	1
	LT-26969	Door Latch, Right-Hand	1
5	CB-35746	Connector, USB, Panel Mount	1
6	CB-36571	USB Communication Cable	1
7	BA-29927	Power Supply, 115V-12VDC,40W,60C OP Temp	1
8	SC-29632	Bolt, 1/4-20 x 3.5" Shoulder Bolt Hex Head	1
9	PE-38362	Control Panel Assembly	1
10	PN-35934	Bracket, Mounting	1
11	CU-29964	Capacitor, 14MFD 440VAC	1
12	5018422	Beeper Assembly (not shown)	1



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