Manitowoc®

Parts Manual

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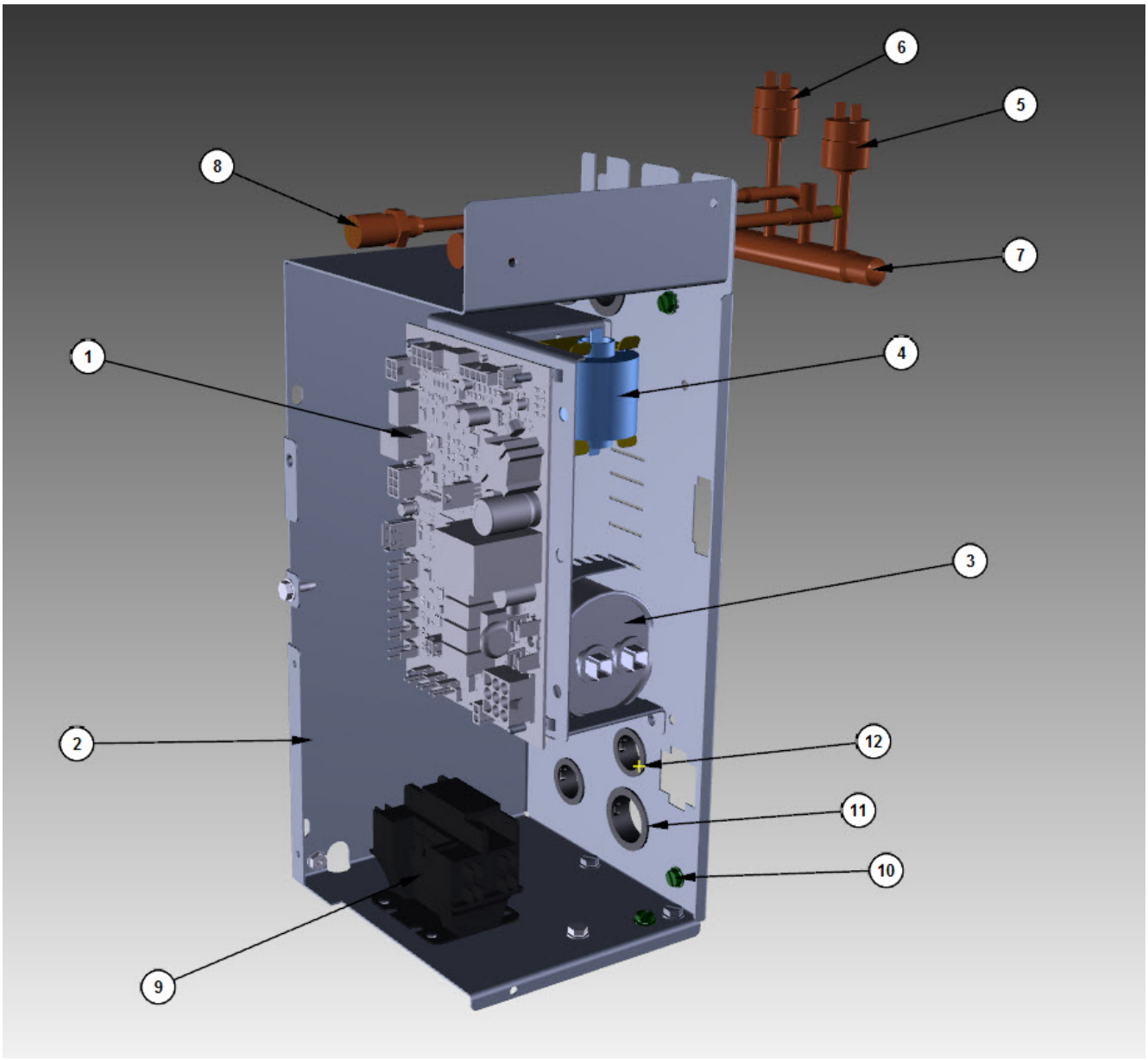
iT1900 - Control Box Components



iT1900 - Control Box Components

#	PART #	DESCRIPTION	QTY	Note
1	000015208	Control Board		
1a	000015009	Ceramic Fuse - 6.3A		
2	000013818	Control Box		
2a	000010422	Control Box Cover		
2b	000007564	Control Board Mounting Bracket		
2c	4302253	Control Board Mounting Supports		
3a	000012190	Run Capacitor - 208-230V/50-60 Hz/1 Ph		[1]
3b	000010708	Run Capacitor - 115-230V/50-60 Hz/1 Ph		[2]
3c	000001395	Run Capacitor - 208-230V/50-60 Hz/1 Ph		[3]
3d	000000025	Run Capacitor 208-230V/50-60 Hz/1 Ph		[4]
3e	000011881	Capacitor Bracket		
4	8504993	PTCR - 18A		[5]
4a	8504913	PTCR - 36A		[6]
4b	8504953	PTCR Bracket		[7]
5	000013576	High Pressure Cut-out 450-600 psig		
6	000013531	Fan Cycling Control - 335-275 psig		
7	000011173	Manifold Strainer		
7a	6058571	Bracket - Access Valves/Manifold Strainer		
7b	000010699	Grommet - Manifold Strainer		
8a	8373253	Access Valve - 6.0" L		
8b	8373263	Access Valve - 7.25" L		
8c	7626843	Valve Cores		
9		Contactor		
9a	2009089	Contactor - 208-230V/50-60 Hz/1 Ph		
9b	2006619	Contactor - 230V/60 Hz/3 Ph		
10	5202169	Screw - #10-24 x 0.5" Ground		
10a	5573209	Star Washer		
11	2500019	Bushing - 1.187"		
12	2501409	Bushing - 0.875"		
13	5202069	Screw - #10-24 x 0.5" HEX		
13a	5573209	Star Washer		
14		Control Box Wiring Harness		
14a	000007179	Control Box Wiring Harness - 230V/60 Hz/1 Ph		
14b	000015948	Control Box Wiring Harness - 230V/60 Hz/1 Ph		[8]
14c	000007180	Control Box Wiring Harness - 230V/50 Hz/1 Ph		
14d	000015570	Control Box Wiring Harness - 230V/50 Hz/1 Ph		
14e	000008020	Control Box Wiring Harness - 460V/60 Hz/3 Ph		
14f	000007181	Wiring Harness - Control Box - 3 Ph		
15	2008979	Wiring Harness - Power - 230V/60 Hz/3 Ph		
16		Compressor Compartment Wiring Harness		
16a	000008257	Wiring Harness - Compressor Compartment - Air-cooled		
16b	000008258	Wiring Harness - Compressor Compartment - Water-cooled		
16c	000008259	Wiring Harness - Compressor Compartment - Remote Air-cooled		
16d	000015581	Wiring Harness - Compressor Compartment - Remote Air-cooled		[9]
	000015946	Compressor Wiring - 1 Ph		

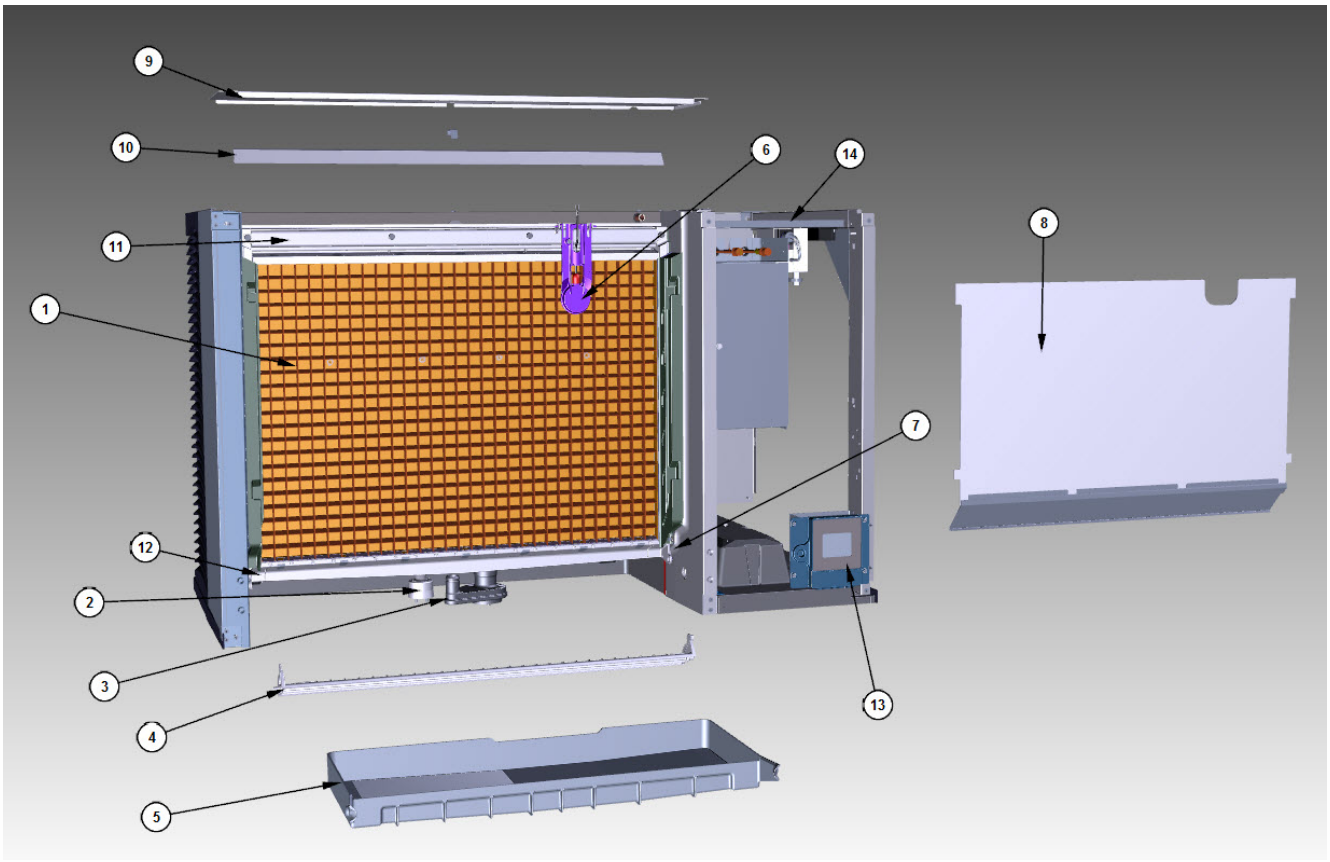
iT1900 - Control Box Components

#	PART #	DESCRIPTION	QTY	Note
17	000015582	Wire Lead F2 - 60 Hz		
18	000005500	Electrical Noise Filter Wiring Harness		

PART NOTES:

[1] - Used with Bristol Compressors - 60 Hz
[2] - Used with Bristol Compressors - 50 Hz
[3] - Used with Copeland Compressors - 60 Hz
[4] - Used with Copeland Compressors - 50 Hz
[5] - Used with Bristol Compressors
[6] - Used with Copeland Samsung Compressors
[7] - Compatible with both PTCRs (18A 36A)
[8] - Used with Embraco Compressor
[9] - Used with Copeland Compressors

iT1900 - Evaporator Compartment



iT1900 - Evaporator Compartment

#	PART #	DESCRIPTION	QTY	Note
1		Evaporator Assembly		
1a	000010425	Evaporator - Dice Cube		
1b	000010426	Evaporator - Half Dice Cube		
1c	000010427	Evaporator - Regular Cube		
1d	040008298	Evaporator - Dice Cube - Super Coated (Korea Only)		
2	000016053	Water Level Probe		[1]
2a	000007724	Wire - Control Box to Water Level Probe		[2]
2b	000007053	Water Level Probe - Holder		
2c	5202099	Screw - #10-24 x 0.5" PHIL		[3]
3		Water Pump - See Note for Usage		
3a	2008119	Water Pump - 230V/50-60 Hz		[4]
3b	000013434	Water Pump - 230V/50-60 Hz		[5]
3c	000010244	Water Pump Mount		
4	000008110	Ice Damper Assembly		
5	000010339	Water Trough - 48"		
6	000015292	Ice Thickness Control Probe		[6]
7	000007888	Magnetic Bin Switch		
7a	000014038	Bin Switch Wiring Harness		
8	000015005	Splash Shield Assembly		
9	000010323	Foodzone Seal Panel		
10	000008805	Evaporator Top Filler Panel		
10a	000008847	Clamp - SS		
10b	5202099	Screw - #10-24 x 0.5" PHIL		
11	7603193	Water Distribution Tube - 48"		
11a	5004649	O-Rings - 0.675"		[7]
12	000010431	Evaporator Bottom Frame Assembly		[8]
12a	5429139	Hex Nut - #8-32 Brass		
13	000015154	Touch Screen Housing Assembly - 30"/48"		
13a	000014273	Touch Pad/Housing Mounting Bracket		
14	000008712	Angled Support Bracket		
15	000010430	Evaporator Top Frame Assembly - 48"		[9]
16	000011028	Support Bracket		
17	5004799	Thumbscrew SS - #8-32 x 0.375"		[10]
17a	5004629	O-Ring - 0.125" ID		
18	5004619	Screw - #12-16 x 0.687"		
19	5004659	Water Pump Base O-Ring - 4.00" ID		
20	5004679	Water Pump Outlet O-Ring - 0.875" ID		
	000001376	Flow Restrictor - 0.42" ID x 0.9" L		[11]

PART NOTES:

[1] - Includes probe and wire.

[2] - No Longer Available - must order Water Level Probe for new wire

[3] - Mount Water Level Probe Holder

[4] - Includes water pump o-rings
60 Hz

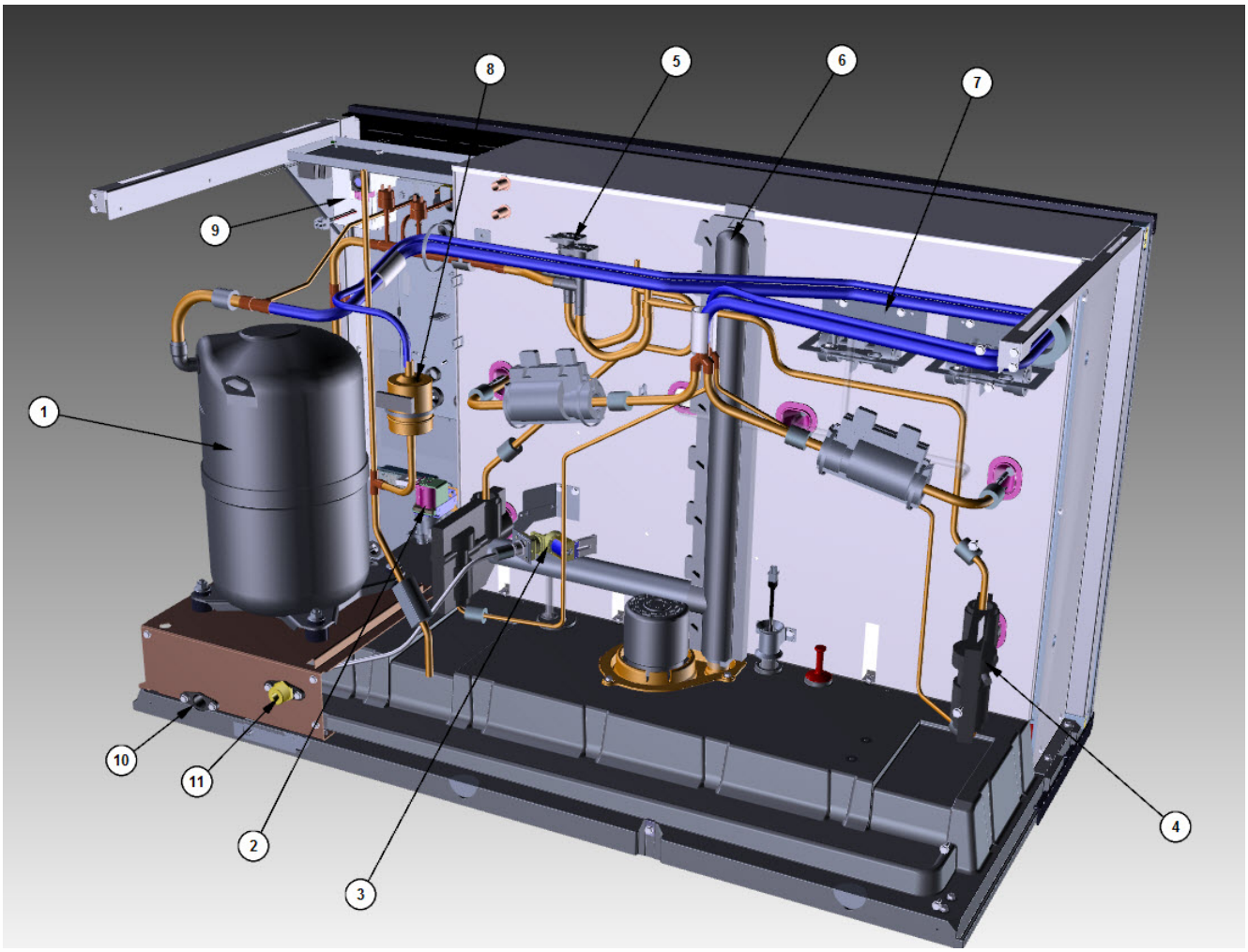
[5] - Includes water pump and o-rings.
50 Hz

[6] - Includes ice thickness probe, clip and washer.

iT1900 - Evaporator Compartment

#	PART #	DESCRIPTION	QTY	Note
[7]	-	Back of Distribution Assembly		
[8]	-	Includes frame evap bottom, cover evap bottom and keps nuts.		
[9]	-	Includes top frame disks and hex nuts.		
[10]	-	Water Distribution Tube Mounting		
[11]	-	Regular Cube / Air-cooled Remote Models Only		

iT1900 - Refrigeration Compartment - Common Components



iT1900 - Refrigeration Compartment - Common Components

#	PART #	DESCRIPTION	QTY	Note
1		Compressor		
1a	000012024	Compressor - Bristol - 208-230V/60 Hz/1 Ph		[1]
1b	000012025	Compressor - Bristol - 208-230V/50 Hz/1 Ph - USE UP		[2]
1c	000012026	Compressor - Bristol - 208-230V/60 Hz/3 Ph - USE UP		[3]
1d	000016082	Compressor - Samsung - 230V/60 Hz/1 Ph - USE UP		[4]
1e	000016084	Compressor - Copeland - 208-230V/60 Hz/1 Ph		[5]
1f	000016085	Compressor - Copeland - 208-230V/50 Hz/1 Ph		[6]
1g	000016086	Compressor - Copeland - 208-230V/60 Hz/3 Ph		[7]
1h	000018505	Compressor - Copeland - 230V/60 Hz/1 Ph		[8]
1i	000018506	Compressor - Copeland - 230V/60 Hz/1 Ph		[9]
1j	000015869	Molded Plug Wiring Harness - Compressor 1 Ph - Copeland		
1k	000015959	Molded Plug Wiring Harness - Compressor 3 Ph - Copeland		
1l	000005176	Molded Plug Wiring Harness - Compressor - Bristol - 1 Ph		
1m	000011182	Wiring Harness - Compressor - Samsung		
2		Water Dump Valve		[10]
2a	000014063	Water Dump Valve - 208-230V/50-60 Hz		
2b	6058459	Mounting Bracket - Water Dump Valve		
2c	4420383	Clear Tubing - 0.625" ID		
3		Water Inlet Valve with Bracket		
3a	000009121	Water Inlet Valve - 208-230V/50-60 Hz		[11]
3b	000011026	Bracket - Water Inlet Valve		
4	000015105	Expansion Valve		[12]
4a	000015287	Expansion Valve		[13]
4b	000015016	Expansion Valve		[14]
4c	000015022	Expansion Valve		[15]
4d	000016037	Expansion Valve		[16]
4e	000012443	Valve Insulation Boot - Body - Danfoss		
5		Harvest Valve		
5a	000007017	Solenoid Valve 0.5" x 0.5" Including 208-230V/50-60 Hz		[17]
5b	000005157	Solenoid Valve Coil Only - 230V/50-60 Hz		
6	000015333	Insulated Tube		[18]
6a	5650609	Snap Clamp - 1.0" ID		
6b	5650709	Snap Clamp - 0.8" x 0.9" ID		
7		Air Assist		
7a	000007223	Air Assist - 230V		
7b	4011739	Air Manifold		[19]
7c	000006489	Air Assist Bracket		
7d	3001453	Air Assist - Nozzle		[20]
7e	4420883	Vinyl Tubing - 0.25" ID		
7f	9002593	Tubing, Clear PVC – 0.125” ID x 0.25” OD		
8	8930279	Drier without Access Port - 0.375"		
8a	000015863	Drier with Access Port - 0.375"		[21]
9	K00454	LuminIce II - Bulb		
9a	000014037	Wiring Harness - LuminIce II		
10	8706093	Female Wing Adapter - Brass - 0.375"		[22]
10a	1360961	Male Connector - 0.375"		

iT1900 - Refrigeration Compartment - Common Components

#	PART #	DESCRIPTION	QTY	Note
10b	4420291	Tygon Tube - 0.25" OD		
11	000005423	Female Wing Adapter - 0.5"		
12	000015573	Thermistor with Spring Clips		
13	4010439	Tubing - Water Inlet Valve		
15	000001382	Vinyl Tubing 0.625" ID		[23]
15a	6038831	Insulation - 0.88" ID x 0.25" W x 13.5" L		
15b	5650709	Snap Clamp - 0.8" x 0.9" ID		
16		Compressor Mounting		
16a	000016019	Compressor Base - Plastic		
16b	8503069	Mounting - Rubber Grommet		
16c	8503949	Mounting - Sleeve		
16d	5004819	Compressor Mounting - Bolt		
16e	5004829	Compressor Mounting - Nut		
17	5650529	Clamp - Expansion Valve Bulb		
18	000002719	Valve Insulation Boot - Bulb - Danfoss		
18a	3000503	Strap - Expansion Valve Bulb - 0.5"		
19	5202069	Screw - #10-24 x 0.5" HEX		
20	000014222	Heat Exchanger		
21	000011604	Plug - Float Hole		

PART NOTES:

[1] - Used with IT1900AWN-261 Models Only.
No Longer Available - Must Replace Bristol Compressor with Copeland Compressor.

[2] - Bristol Compressor no longer available, replace with a Copeland Compressor

[3] - No Longer Available - Must order Copeland Compressor

[4] - Used with IT1900WN-261A Models Only

[5] - Used with IT1900-261E and replaces Bristol Compressors

[6] - Used with IT1900-251E and replaces Bristol Compressors

[7] - Used with IT1900-263E and replaces Bristol Compressors

[8] - Used with IT1900W-261A Models replaces Samsung Compressor

[9] - Used with IT1900N-261A Models replaces Samsung Compressor

[10] - with bracket

[11] - 1.7 GPM

Includes water valve inlet, bracket, screws, adapter and locking clip.

[12] - Air-cooled - IRT1900A (regular cube size)

[13] - Air-cooled - IDT1900A IYT1900A (dice half dice cube sizes)

[14] - Air-cooled Water-cooled - IT1900W-A IT1900A-E (all cube sizes)

[15] - Water-cooled Remote Models - IT1900W IT1900N (all cube sizes)

[16] - Remote Models - IT1900N-A IT1900N-E (all cube sizes)

[17] - With Screen

[18] - vinyl tubing from distribution tube to water pump & dump valve

[19] - Air Pump Tubing Outlet

[20] - Nonreplacable - Soldered in place

[21] - Must be Used on IT1900AWN-A Models

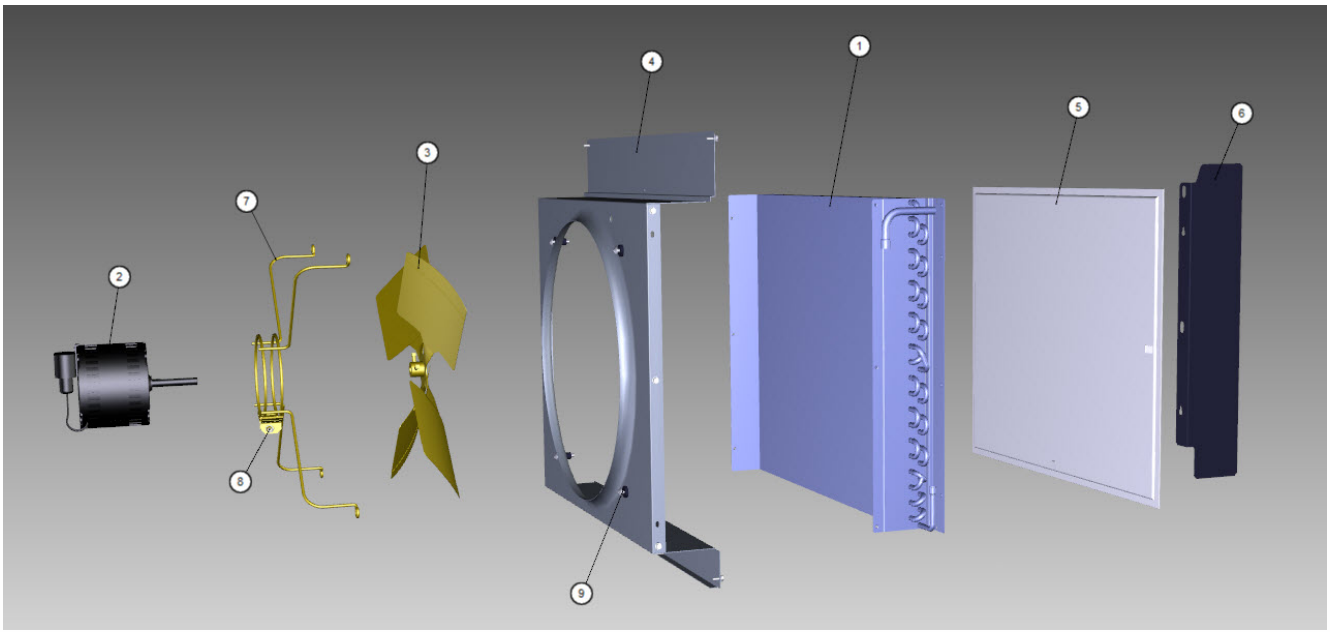
[22] - Brass

If replacing a nylon fitting you must order 1360961

iT1900 - Refrigeration Compartment - Common Components

#	PART #	DESCRIPTION	QTY	Note
[23]	-	dump valve to drain adapter		

iT1900 - Refrigeration Compartment - Air-cooled Components



iT1900 - Refrigeration Compartment - Air-cooled Components

#	PART #	DESCRIPTION	QTY	Note
1	000014320	Air Condenser		
2a	7626733	Fan Motor - 208-230V/60 Hz		[1]
2b	000006007	Fan Motor - 230V/50 Hz		[2]
2c	000015944	Harness - Fan Motor		[3]
3	2416113	Fan Blade		
4	6065979	Fan Shroud		
5	4040253	Air Filter - 25.75" x 25.25"		
6	000007678	Air Baffle Assembly		
7	000014604	Fan Motor Mounting Bracket		
8		Fan Motor Mounting		
8a	5033589	Screw		
8b	5545109	Mounting - Lock Washer		
8c	5429529	Mounting - Hexnut		
9		Fan Bracket Mounting		
9a	5033589	Screw		
9b	5545109	Mounting - Lock Washer		
9c	5573059	Flat Washer		
9d	5429559	Rubber Wellnut		
10	5202069	Screw - #10-24 x 0.5" HEX		

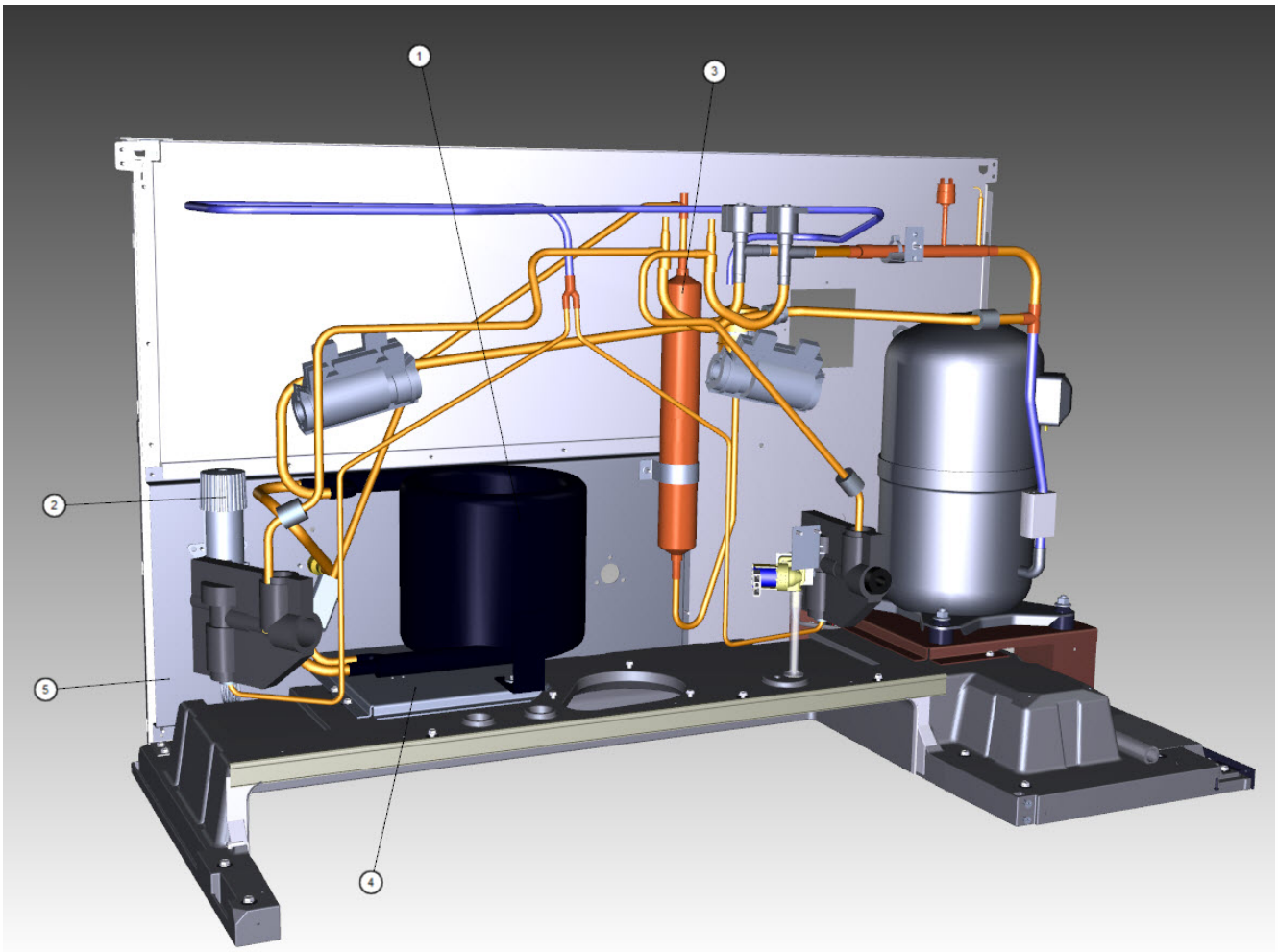
PART NOTES:

[1] - 60 Hz Models

[2] - Includes screws, hex nuts and washers.
50 Hz Models

[3] - iT1900E Models Only

iT1900 - Refrigeration Compartment - Water-cooled Components



iT1900 - Refrigeration Compartment - Water-cooled Components

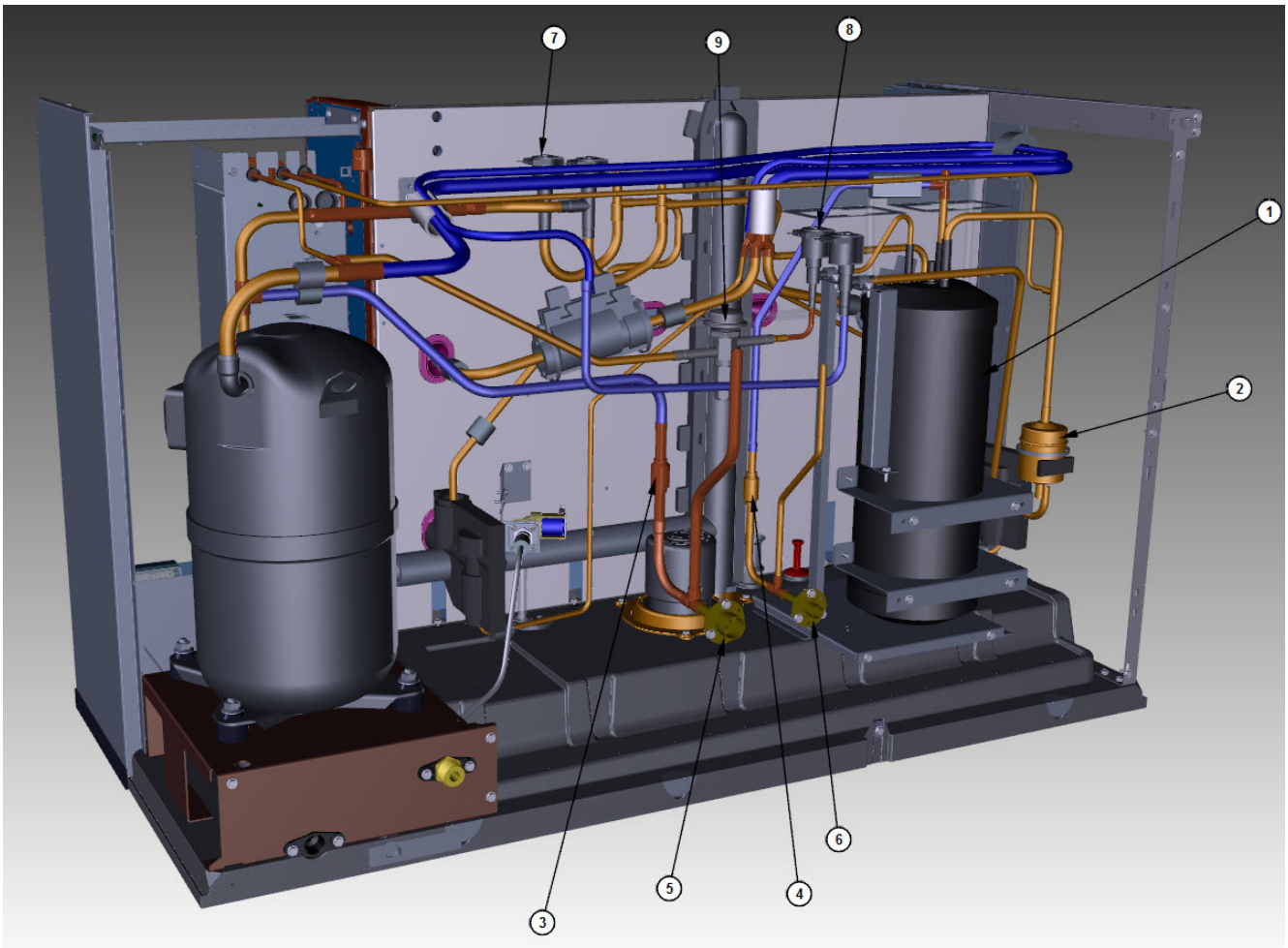
#	PART #	DESCRIPTION	QTY	Note
1	000001508	Water-cooled Condenser		[1]
2	000014451	Water Regulating Valve - 0.5"		[2]
3	000008894	Receiver		
4	000011072	Base - Water/RemoteCondnenser		
5	000013721	Coupling Panel		
6	6000541	Receiver Strap		
7	5002249	Elbow - 0.5" MF x 0.375" MPT		
8	5202069	Screw - #10-24 x 0.5" HEX		
9	5573419	Washer		
10	8706083	Female Wing Adapter - Brass - 0.5"		

PART NOTES:

[1] - Includes screws.

[2] - 2.2 GPM

iT1900 - Refrigeration Compartment - Remote Components



iT1900 - Refrigeration Compartment - Remote Components

#	PART #	DESCRIPTION	QTY	Note
1	7629573	Receiver		
2	8930279	Drier without Access Port - 0.375"		
3	8373159	Magni-Check Valve - 0.5"		
4	8373149	Magni-Check Valve - 0.375"		
5	000014479	Coupling - Male - 1.17"-12		
5a	8360063	Coupling Mounting Flange for 1.17"-12		
6	000014478	Coupling - Male - 0.625"-18		
6a	8360053	Coupling Mounting Flange for 0.625"-18		
7	000015157	Harvest Pressure Regulating (HPR) Valve		[1]
8		Liquid Line Solenoid Valve		
8a	000007026	Solenoid Valve 0.375" x 0.375" Including 208-230V/50-60 Hz Electrical Coil		[2]
8b	000005157	Solenoid Valve Coil Only - 230V/50-60 Hz		
9		HPR Solenoid		
9a	000015050	Solenoid Valve 0.25" x 0.25" Including 208-230V/50-60 Hz Electrical Coil		[3]
9b	000005157	Solenoid Valve Coil Only - 230V/50-60 Hz		
10		Receiver Mounting		
10a	6000561	Mounting Bracket - Receiver		
10b	6307214	Mounting Strap - Receiver		
10c	000010983	Support Bracket		
10d	000011072	Base - Water/RemoteCondnenser		
10e	5202069	Screw - #10-24 x 0.5" HEX		

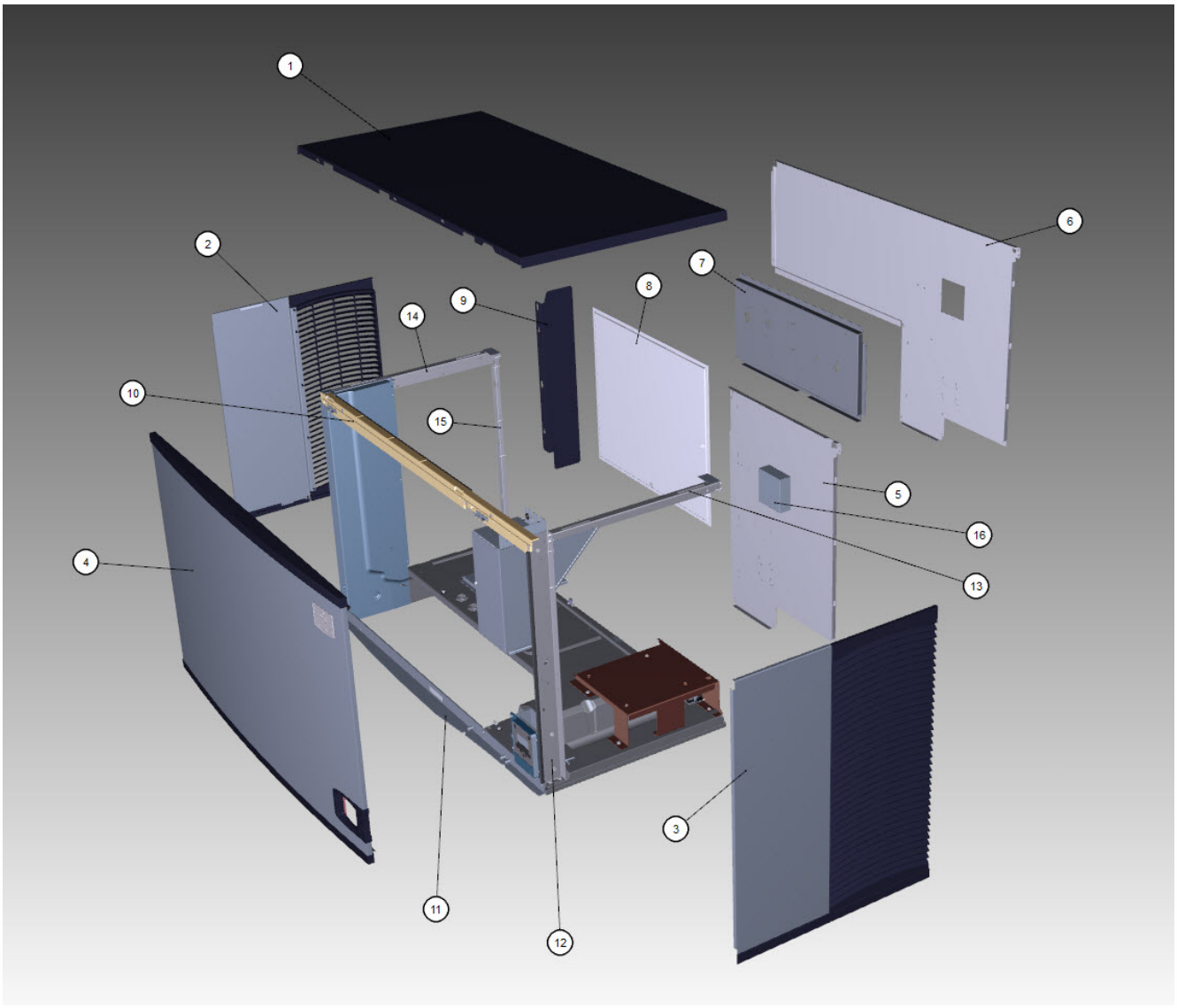
PART NOTES:

[1] - HPR

[2] - Without Screen Danfoss

[3] - With Screen

iT1900 - Panels



iT1900 - Panels

#	PART #	DESCRIPTION	QTY	Note
1	000008537	Top Cover		
1a	000009932	Bracket		
2	000012620	Left Side Panel - 29.5" H		
2a	040005625	Left Side Panel - 29.5" H - SS		[1]
3	000012619	Right Side Panel - 29.5" H		
3a	040005624	Right Side Panel - 29.5" H - SS		[1]
4	000015671	Front Panel Assembly - 48" x 29.5"		
4a	040008051	Front Panel Assembly - 48" x 29.5" - SS		[1]
4b	5004899	Front Panel Screw		
4c	000008082	Top Endcap		
4d	000008083	Bottom Endcap		
4e	000009024	Foam Tape - 0.375" x 0.375" x 12.0"		[2]
5	000014171	Back Panel - Air-cooled		
6	000014170	Back Panel - Water/Remote		
7	000013721	Coupling Panel		
8	4040253	Air Filter - 25.75" x 25.25"		
9	000007678	Air Baffle Assembly		
10	000010052	Front Top Support		
10a	5005379	Mounting Screw - #8-32 x 1.0" PHIL		
10b	5005099	Screw - #10-16 x 0.625"		
11	000008978	Bottom Panel Frame		
11a	5005379	Mounting Screw - #8-32 x 1.0" PHIL		
11b	5202099	Screw - #10-24 x 0.5" PHIL		
11c	000001127	Tapping Plate - Panel Hinge Screws		
12	000011335	Right Corner Post		
13	000011032	Right Top Channel		
14	6068649	Left Top Channel		
15	000011504	Left Corner Post		
16		Electrical Box on Rear of Ice Machine		
16a	6067289	Rear Connection Box		
16b	6067299	Cover - Rear Connection Box		
16c	2006143	Terminal Block - 50 Hz - 3 Pole		
16d	5202169	Screw - #10-24 x 0.5" Ground		
17	000011137	Front Panel Mounting Bracket - Mounts Non-Hinged Panel		
17a	5026739	Mounting Screw - #8-32 x 0.5" PHIL		
18		Front Panel LCD Frame		
18a	000008090	Front Panel LCD Frame With Key Guard		
18b	000008089	Front Panel LCD Frame Without Key Guard		
19	K00481B	Top Air Discharge Kit		[3]
20	7112479	Cartoning		

PART NOTES:

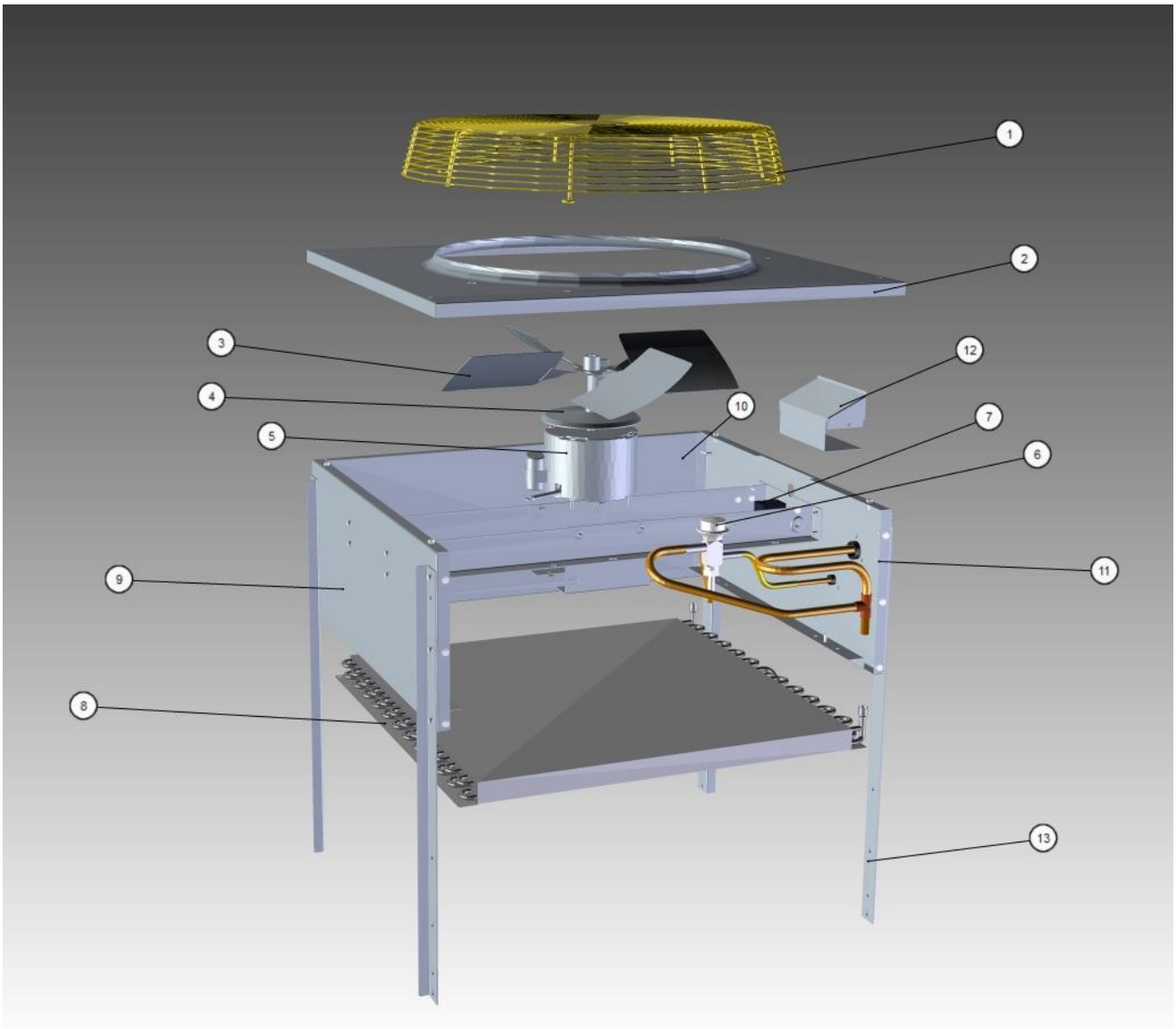
[1] - APAC and EMEA Only

Only Used with Serial Numbers Beginning with 31

[2] - Priced per foot. Must order 25 feet.

#	PART #	DESCRIPTION	QTY	Note
[3]	-	Top air discharge kits are used when there is not sufficient clearance on the sides of an air-cooled machine. The kit will change the side panels and top panel so the air intake is from the back of the machine and the exhaust is re-routed out of the top of the machine rather than the sides. Includes Louvered Top Cover, Solid LH Panel, Solid RH Panel and Screws.		

JCT1500 Remote Condenser



JCT1500 Remote Condenser

#	PART #	DESCRIPTION	QTY	Note
1	3400643	Fan Guard		
2	6017891	Top Cover		
3	2416113	Fan Blade		
4	2415053	Rain Slinger		
5	7629413	Fan Motor - 208-230V/50-60 Hz/1 Ph		
5a	000010947	Fan Motor Mounting Bracket - Support		
5b	000010917	Fan Motor Mounting Bracket and Bottom Bracket for Legs		
6	000008870	Head Pressure Control Valve - 300 PSI		
7	000008040	Terminal Block - 3 Pole		
8	8850903	Air Condenser - Non-coated		[1]
8a	8850907	Air Condenser - Coated		[2]
8b	000014601	Air Condenser - Coated		[3]
9	000013915	Panel - Front		
10	000010872	Panel - Side		
11	000013916	Panel - Rear		
12	6017761	Electrical Box Cover		
13	000010873	Legs		[4]
13a	000010917	Fan Motor Mounting Bracket and Bottom Bracket for Legs		
14	5035659	Fan Motor Mounting Screw		
14a	5573099	Mounting - Flat Washer		
14b	5573139	Lockwasher		
14c	5429759	Hex Nut		
15	5033459	Screw - 0.25"-20 x 0.625"		
15a	5573049	Flat WasherMounting -		
15b	5545119	Mounting - Lock Washer		
15c	5429529	Mounting - Hexnut		
16	5202069	Screw - #10-24 x 0.5" HEX		
17	5202169	Screw - #10-24 x 0.5" Ground		
18	8360343	Coupling - Male - 0.625"-18		
18a	8360053	Coupling Mounting Flange for 0.625"-18		
19	8360353	Coupling - Male - 1.17"-12		
19a	8360063	Coupling Mounting Flange for 1.17"-12		
20	K00129	Female Line Set Coupling Kit		
21	000000546	Cartoning		

PART NOTES:

[1] - Copper Fin Tube

[2] - After SN1120837623 - Copper Fin Tube
After SN 1120837623

[3] - Before SN1120837623 - Aluminum Micro-channel
Before SN 1120837623

[4] - Sold Individually