

# 1997 Piston Guide For Residential Split-Systems



HEATING & COOLING



**This information is the latest from Carrier. The correct Piston is printed on every Split-System rating plate produced since January 1989.**

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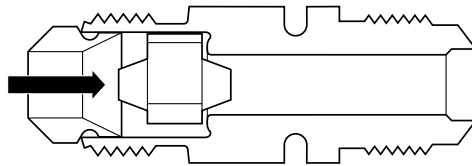
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## INTRODUCTION TO PISTON TYPE REFRIGERANT METERING DEVICE

The piston refrigerant metering device is a fixed orifice, easily removable with a 3/8" male flare liquid line feed connection.

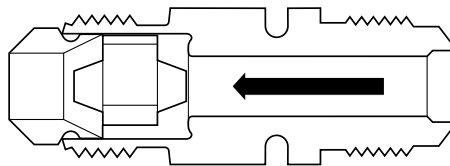
Proper application of the piston provides metering flow control to the evaporator or indoor coil which is superior to a comparable capillary tube fed coil. Pistons are easily serviced and can be field changed to allow optimum performance.

The heat pump requires that the piston incorporate bypass or reverse flow characteristics. The piston eliminates the check valves in the heat pump circuitry and it allows easy piston change. It is no longer necessary to change the complete device. Figure 1 shows a typical piston in a metering and bypass position.



METERING POSITION

A96653



BYPASS POSITION

A96654

**Fig. 1 — Piston Positions**

Note that pistons are included in liquid service valves or liquid distributor inside unit on all heat pumps. Pistons can be used on cooling only as well as heat pump coils and for this reason, most coils and fan coils have a piston.

**TABLE 1  
ORDERING NUMBERS FOR  
CARRIER ACCURATER® PISTON**

The following is a guide to AccuRater® piston I.D. numbers, orifice diameters, and service parts ordering numbers:

<b>Piston I.D. Number</b>	<b>Orifice Diameter</b>	<b>Service Parts 10-Pack Number</b>
35	.0350	EA52PH035
38	.0380	EA52PH038
40	.0400	EA52PH040
42	.0420	EA52PH042
46	.0469	EA52PH046
49	.0492	EA52PH049
52	.0520	EA52PH052
55	.0550	EA52PH055
57	.0571	EA52PH057
59	.0595	EA52PH059
61	.0610	EA52PH061
63	.0635	EA52PH063
65	.0650	EA52PH065
67	.0670	EA52PH067
70	.0700	EA52PH070
73	.0730	EA52PH073
76	.0760	EA52PH076
78	.0781	EA52PH078
80	.0807	EA52PH080
82	.0820	EA52PH082
84	.0846	EA52PH084
86	.0860	EA52PH086
88	.0886	EA52PH088
90	.0905	EA52PH090
93	.0938	EA52PH093
96	.0960	EA52PH096
98	.0980	EA52PH098
101	.1015	EA52PH101
104	.1040	EA52PH104
109	.1090	EA52PH109

Also available from your Carrier distributor service parts center are the AccuRater® retainer and 'O' Ring under part no. 99CC409892.

## **COOLING CHARGING PROCEDURE**

For charging units with non-TXV metering devices, superheat is the guide. For units with a TXV, subcooling is the guide. Both procedures are used in the cooling mode. Superheat and subcooling training materials are available from your distributor. These training materials also include information pertaining to cooling airflow range which can be used for an estimation in cooling airflow.

## **SUPERHEAT CHARGING METHOD**

To check and adjust charge during cooling season, use Tables 2 and 3 and the following procedure:

1. Operate unit a minimum of fifteen (15) minutes before checking charge.
2. Measure vapor pressure by attaching a gage to vapor valve service port.
3. Measure vapor line temperature by attaching an accurate thermistor type or electronic thermometer to unit vapor line near vapor valve. Heat pumps require that the temperature to be measured between the accumulator and compressor. Insulate thermometer for accurate readings.
4. Measure outdoor coil inlet air dry-bulb temperature with a second thermometer.
5. Measure indoor coil inlet air wet-bulb temperature with a sling psychrometer.
6. Refer to Table 2. Find air temperature entering outdoor coil and wet-bulb temperature entering indoor coil. At this intersection, note the superheat.
7. Refer to Table 3. Find superheat temperature and vapor pressure, and note vapor line temperature.
8. If unit has higher vapor line temperature than charted temperature, add refrigerant until charted temperature is reached.
9. If unit has lower vapor line temperature than charted temperature, bleed refrigerant until charted temperature is reached.
10. If air temperature entering outdoor coil or pressure at vapor valve changes, charge to new vapor line temperature indicated on chart.

**TABLE 2 — SUPERHEAT CHARGING TABLE (°F)**

Outdoor Temp (°F)	Indoor Coil Entering Air (°F) WB													
	50	52	54	56	58	60	62	64	66	68	70	72	74	76
55	9	12	14	17	20	23	26	29	32	35	37	40	42	45
60	7	10	12	15	18	21	24	27	30	33	35	38	40	43
65	—	6	10	13	16	19	21	24	27	30	33	36	38	41
70	—	—	7	10	13	16	19	21	24	27	30	33	36	39
75	—	—	—	6	9	12	15	18	21	24	28	31	34	37
80	—	—	—	—	5	8	12	15	18	21	25	28	31	35
85	—	—	—	—	—	—	8	11	15	19	22	26	30	33
90	—	—	—	—	—	—	5	9	13	16	20	24	27	31
95	—	—	—	—	—	—	—	6	10	14	18	22	25	29
100	—	—	—	—	—	—	—	—	8	12	15	20	23	27
105	—	—	—	—	—	—	—	—	5	9	13	17	22	26
110	—	—	—	—	—	—	—	—	—	6	11	15	20	25
115	—	—	—	—	—	—	—	—	—	—	8	14	18	23

— Do not attempt to charge system under these conditions or refrigerant slugging may occur. Charge must be weighed in under these conditions.

**TABLE 3 — REQUIRED VAPOR TEMPERATURE (°F)**

Superheat Temp (°F)	Vapor Pressure at Service Port (psig)								
	61.5	64.2	67.1	70.0	73.0	76.0	79.2	82.4	85.7
0	35	37	39	41	43	45	47	49	51
2	37	39	41	43	45	47	49	51	53
4	39	41	43	45	47	49	51	53	55
6	41	43	45	47	49	51	53	55	57
8	43	45	47	49	51	53	55	57	59
10	45	47	49	51	53	55	57	59	61
12	47	49	51	53	55	57	59	61	63
14	49	51	53	55	57	59	61	63	65
16	51	53	55	57	59	61	63	65	67
18	53	55	57	59	61	63	65	67	69
20	55	57	59	61	63	65	67	69	71
22	57	59	61	63	65	67	69	71	73
24	59	61	63	65	67	69	71	73	75
26	61	63	65	67	69	71	73	75	77
28	63	65	67	69	71	73	75	77	79
30	65	67	69	71	73	75	77	79	81
32	67	69	71	73	75	77	79	81	83
34	69	71	73	75	77	79	81	83	85
36	71	73	75	77	79	81	83	85	87
38	73	75	77	79	81	83	85	87	89
40	75	77	79	81	83	85	87	89	91

## SUBCOOLING CHARGING METHOD

1. Operate unit a minimum of fifteen (15) minutes before checking the charge (cooling mode).
2. Measure liquid service valve pressure by attaching an accurate gage to the liquid service port.
3. Measure the liquid line temperature by attaching an accurate thermistor type or electronic thermometer to the liquid line near the outdoor coil.
4. Refer to unit rating plate or service manual to find required subcooling temperature using Table 4. Find the point the required subcooling temperature intersects the measured liquid service valve pressure.
5. To obtain the required subcooling temperature at a specific liquid line pressure, add refrigerant if liquid line temperature is higher than indicated or remove refrigerant if temperature is lower. Allow a tolerance of  $\pm 3^{\circ}\text{F}$ .

**TABLE 4 — REQUIRED LIQUID LINE TEMPERATURE ( $^{\circ}\text{F}$ )**

Pressure (PSIG) at Service Fitting	Required Subcooling Temperature ( $^{\circ}\text{F}$ )					
	0	5	10	15	20	25
134	76	71	66	61	56	51
141	79	74	69	64	59	54
148	82	77	72	67	62	57
156	85	80	75	70	65	60
163	88	83	78	73	68	63
171	91	86	81	76	71	66
179	94	89	84	79	74	69
187	97	92	87	82	77	72
196	100	95	90	85	80	75
205	103	98	93	88	83	78
214	106	101	96	91	86	81
223	109	104	99	94	89	84
233	112	107	102	97	92	87
243	115	110	105	100	95	90
253	118	113	108	103	98	93
264	121	116	111	106	101	96
274	124	119	114	109	104	99
285	127	122	117	112	107	102
297	130	125	120	115	110	105
309	133	128	123	118	113	108
321	136	131	126	121	116	111
331	139	134	129	124	119	114
346	142	137	132	127	122	117
359	145	140	135	130	125	120

## **HEATING CHARGING PROCEDURE**

In order to accurately charge a heat pump in the heating mode, the charge must be weighed in as indicated on unit rating plate. Remove any refrigerant remaining in system before recharging. If the system has lost complete charge, evacuate and recharge by weight. The Heating Check Charts in the unit Installation Instructions are for reference only.

## **SPLIT-SYSTEM INTRODUCTION**

The most important fact to remember is the correct indoor (cooling) piston is shipped with the outdoor unit. The shipped piston is correct for any approved coil combination. Consult pre-sale literature for approved coil combinations. The required outdoor (heating) piston is always factory installed in the liquid valve or liquid distributor and no change is required. Always check outdoor piston for proper sizing.

For interconnecting tubing lengths greater than fifty (50) ft, consult your distributor for long-line information. The following tables show the correct piston(s) for any current split-system product.

The following listing also includes metering devices required when a piston is not used, such as "EXV" and "TXV" assemblies.

**SPLIT-SYSTEM AIR CONDITIONERS**

<b>Model Number</b>	<b>Indoor Piston</b>
38BR-024-300	61
38BR-030-300	70
38BR-036-300	76
38BR-036-310	73
38BR-042-300	82
38BR-042-310	84
38BR-048-300	90
38BR-048-310	90
38BR-060-300	104
38BR-060-310	104
38BRB024-300	61
38BRB024-310	61
38BRB030-300	70
38BRB030-310	70
38BRB036-300	73
38BRB036-310	76
38BRB036-320	73
38BRB036-500	73
38BRB036-520	73
38BRB042-300	84
38BRB042-310	82
38BRB042-320	82
38BRB042-500	84
38BRB042-520	82
38BRB048-300	90
38BRB048-310	90
38BRB048-320	90
38BRB048-520	90
38BRB060-300	104
38BRB060-310	104
38BRB060-320	104
38BRB060-520	104
38CK-018-300	52
38CK-018-310	52
38CK-018-320	52
38CK-018-340	49
38CK-024-300	59
38CK-024-310	59
38CK-024-320	57
38CK-024-330	59
38CK-024-340	57
38CK-030-300	67
38CK-030-310	67
38CK-030-320	65
38CK-030-330	63
38CK-036-300	70
38CK-036-500	67
38CK-036-520	65
38CK-036-310	70
38CK-036-320	73
38CK-036-330	73
38CK-036-340	70
38CK-036-510	70
38CK-036-520	73
38CK-036-530	73
38CK-036-540	70

**SPLIT-SYSTEM AIR CONDITIONERS continued**

	<b>Model Number</b>	<b>Indoor Piston</b>
	38CK-036-610	70
	38CK-036-620	73
	38CK-036-630	73
	38CK-036-640	70
	38CK-042-300	78
	38CK-042-320	80
	38CK-042-330	76
	38CK-042-340	82
	38CK-042-500	78
	38CK-042-520	80
	38CK-042-530	76
	38CK-042-540	82
	38CK-042-600	78
	38CK-042-620	80
	38CK-042-630	76
	38CK-042-640	82
	38CK-048-310	84
	38CK-048-330	84
	38CK-048-340	88
	38CK-048-350	82
	38CK-048-360	84
	38CK-048-530	84
	38CK-048-540	88
	38CK-048-550	82
	38CK-048-560	84
	38CK-048-630	84
	38CK-048-640	88
	38CK-048-650	82
	38CK-048-660	84
	38CK-060-310	90
	38CK-060-330	90
	38CK-060-340	93
	38CK-060-350	93
	38CK-060-360	90
	38CK-060-370	93
	38CK-060-380	90
	38CK-060-530	90
	38CK-060-540	93
	38CK-060-550	93
	38CK-060-560	90
	38CK-060-570	93
	38CK-060-580	90
	38CK-060-630	90
	38CK-060-640	93
	38CK-060-650	93
	38CK-060-660	90
	38CK-060-670	93
	38CK-060-680	90
	38CK-060-900	96
50	38CK-018-700	57
H	38CK-024-700	63
E	38CK-036-700	76
R	38CK-036-710	76
T	38CK-036-900	76
Z	38CK-036-910	76

**SPLIT-SYSTEM AIR CONDITIONERS continued**

	<b>Model Number</b>	<b>Indoor Piston</b>
50 H E R T Z	38CK-048-700	88
	38CK-048-710	88
	38CK-048-900	88
	38CK-048-910	88
	38CKB018-310	52
	38CKB018-320	52
	38CKB024-300	57
	38CKB024-310	57
	38CKB024-320	57
	38CKB030-300	67
	38CKB030-310	65
	38CKB030-320	65
	38CKB030-500	67
	38CKB030-510	65
	38CKB036-300	73
	38CKB036-310	70
	38CKB036-320	70
	38CKB036-330	73
	38CKB036-500	73
	38CKB036-520	70
	38CKB036-600	73
	38CKB036-620	70
	38CKB042-300	76
	38CKB042-310	82
	38CKB042-500	76
	38CKB042-510	82
	38CKB042-600	76
	38CKB042-610	82
	38CKB048-300	82
	38CKB048-310	84
	38CKB048-500	82
	38CKB048-510	84
	38CKB048-600	82
	38CKB048-610	84
	38CKB060-300	93
	38CKB060-310	90
	38CKB060-320	93
	38CKB060-330	90
	38CKB060-500	93
	38CKB060-510	90
	38CKB060-520	93
	38CKB060-530	90
	38CKB060-600	93
	38CKB060-610	90
	38CKB060-620	93
	38CKB060-630	90
50 H E R T Z	38CKB018-703	57
	38CKB024-703	63
	38CKB036-703	73
	38CKB036-713	73
	38CKB036-903	73
	38CKB048-703	88
	38CKB048-903	88
	38CKB048-913	88
	38CKB048-923	90

**SPLIT-SYSTEM AIR CONDITIONERS continued**

	<b>Model Number</b>	<b>Indoor Piston</b>
50 Hz	38CKB060-903	96
	38CKB060-923	101
	38CKM024-320	57
	38CKM024-330	59
	38CKM024-340	57
	38CKM030-300	67
	38CKM030-320	65
	38CKM030-330	63
	38CKM036-330	73
	38CKM036-340	70
	38CKM042-330	76
	38CKM042-340	82
	38CKM048-350	82
	38CKM048-360	84
	38CKN024-300	57
	38CKN024-310	57
	38CKN024-320	57
	38CKN030-300	67
	38CKN030-310	65
	38CKN030-320	65
	38CKN036-300	73
	38CKN036-310	70
	38CKN036-320	70
	38CKN036-330	73
	38CKN042-300	76
	38CKN042-310	82
	38CKN048-300	82
	38CKN048-310	84
	38CM-018-300	57
	38CM-024-300	61
	38CM-030-300	70
	38CM-036-300	76
	38CM-036-310	76
	38CM-042-300	80
	38CM-042-310	80
	38CM-048-300	88
	38CM-048-310	88
	38CM-060-300	101
	38CM-060-310	98
	38CMB018-300	57
	38CMB024-300	61
	38CMB030-300	70
	38CMB036-300	76
	38CMB036-310	76
	38CMB042-300	80
	38CMB042-310	80
	38CMB048-300	88
	38CMB048-310	88
	38CMB060-300	98
	38CMB060-310	101
	38TDA036-300	EA36EC362
	38TDA048-300	EA36EC362
	38TDA060-300	EA36EC362
	38TG-014-310	49
	38TG-018-300	49
	38TG-024-300	63

**SPLIT-SYSTEM AIR CONDITIONERS continued**

	<b>Model Number</b>	<b>Indoor Piston</b>
	38TG-030-300	67
	38TG-030-500	70
	38TG-036-310	76
	38TG-036-510	76
	38TG-036-610	76
	38TG-042-320	80
	38TG-042-520	80
	38TG-042-620	80
	38TG-048-310	84
	38TG-048-510	84
	38TG-048-610	84
	38TG-060-310	88
	38TG-060-510	88
	38TG-060-610	88
50 H E R T Z	38TG-020-700	49
	38TG-025-700	63
	38TG-030-800	63
	38TG-030-900	63
	38TG-035-800	70
	38TG-035-900	70
	38TG-040-810	80
	38TG-040-910	80
	38TG-050-800	80
	38TG-050-900	80
	38TG-060-810	93
	38TG-060-910	93
	38TKB018-300	52
	38TKB018-310	52
	38TKB024-300	59
	38TKB024-310	59
	38TKB030-300	70
	38TKB030-310	70
	38TKB036-300	73
	38TKB036-310	73
	38TKB036-320	76
	38TKB038-300	78
	38TKB042-300	82
	38TKB042-310	78
	38TKB048-300	82
	38TKB048-310	82
	38TKB048-320	82
	38TKB048-330	84
	38TKB060-300	101
	38TKB060-310	98
	38TKB060-320	98
	38TKB060-330	96
	38TN-024-320	80
	38TN-030-320	82
	38TN-036-320	93
	38TN-048-320	109
	38TRA018-300	55
	38TRA018-310	55
	38TRA024-310	61
	38TRA024-320	61
	38TRA030-310	67
	38TRA030-320	67

**SPLIT-SYSTEM AIR CONDITIONERS continued**

Model Number		Indoor Piston
	38TRA036-310	76
	38TRA036-320	76
	38TRA036-330	76
	38TRA042-310	84
	38TRA042-320	84
	38TRA042-330	82
	38TRA048-310	90
	38TRA048-320	90
	38TRA048-330	90
	38TRA060-310	101
	38TRA060-320	104
	38TRA060-330	101
	38TUA018-300	55
	38TUA018-310	55
	38TUA024-300	59
	38TUA024-310	59
	38TUA030-300	63
	38TUA036-300	73
	38TUA042-300	78
	38TUA048-300	84
	38TUA060-300	98
	38TUA060-310	93
50 H E R T Z	38TUA024-700	59
	38TUA024-703	61
	38TUA036-700	73
	38TUA036-703	76
	38TUA036-710	73
	38TUA036-900	73
	38TUA036-903	76
	38TUA036-910	73
	38TUA036-913	76
	38TUA048-700	84
	38TUA048-703	88
	38TUA048-710	84
	38TUA048-900	84
	38TUA048-903	88
	38TUA048-910	84
	38TUA048-913	88
38TUA048-923	90	
38TUA060-900	98	
38TUA060-903	96	
38TUA060-923	98	
	38TXA024-300	61
	38TXA024-310	61
	38TXA030-300	63
	38TXA030-310	63
	38TXA036-300	70
	38TXA036-310	70
	38TXA042-300	73
	38TXA042-310	73
	38TXA048-300	78
	38TXA048-310	78
	38TXA060-300	90
	38TXA060-310	90
	38TV-024-300	EA36EC360
	38TV-036-300	EA36EC360

### SPLIT-SYSTEM HEAT PUMPS

Model Number	Indoor Piston	Outdoor Piston
38AY-018-300	57	43
38AY-024-300	61	52
38AY-030-300	67	55
38AY-036-300	76	63
38AY-042-300	82	65
38AY-048-300	90	73
38AY-060-300	EA36EC355	78
38AYB018-300	57	43
38AYB024-300	61	52
38AYB030-300	67	55
38AYB036-300	76	63
38AYB042-300	82	65
38AYB048-310	90	73
38AYB060-310	101	78
38AYM024-300	61	52
38AYM030-300	67	55
38AYM036-300	76	63
38AYM042-300	82	65
38AYM048-300	90	73
38BY-018-300	EA36EC350	43
38BY-024-300	EA36EC351	52
38BY-030-300	EA36EC352	55
38BY-036-300	EA36EC353	63
38BY-042-300	EA36EC353	65
38BY-048-300	EA36EC354	73
38BY-060-300	EA36EC355	78
38BYB018-300	EA36EC350	43
38BYB024-300	EA36EC351	52
38BYB030-300	EA36EC352	55
38BYB036-300	EA36EC353	63
38BYB042-300	EA36EC353	65
38BYB048-310	EA36EC354	73
38BYB060-310	EA36EC355	78
38YCA018-330	52	40
38YCA018-340	55	40
38YCA024-300	57	46
38YCA024-330	65	46
38YCA024-340	61	46
38YCA024-350	63	49
38YCA024-360	63	49
38YCA030-300	70	52
38YCA030-330	73	52
38YCA030-340	73	52
38YCA030-350	70	52
38YCA030-360	67	55
38YCA030-370	70	55
38YCA030-570	70	55
38YCA036-300	78	59
38YCA036-340	80	59
38YCA036-350	78	59
38YCA036-360	76	61
38YCA036-370	73	59
38YCA036-530	80	59
38YCA036-540	78	59
38YCA036-560	76	61
38YCA036-570	73	59

**SPLIT-SYSTEM HEAT PUMPS continued**

Model Number	Indoor Piston	Outdoor Piston
38YCA036-630	80	59
38YCA036-640	78	59
38YCA036-660	76	61
38YCA036-670	73	59
38YCA042-300	84	63
38YCA042-320	84	67
38YCA042-330	84	65
38YCA042-500	84	63
38YCA042-520	84	67
38YCA042-530	84	65
38YCA042-600	84	63
38YCA042-620	84	67
38YCA042-630	84	65
38YCA048-300	88	67
38YCA048-320	88	73
38YCA048-330	88	73
38YCA048-500	88	67
38YCA048-520	88	73
38YCA048-530	88	73
38YCA048-600	88	67
38YCA048-620	88	73
38YCA048-630	88	73
38YCA060-300	101	70
38YCA060-320	96	76
38YCA060-330	96	76
38YCA060-500	101	70
38YCA060-520	96	76
38YCA060-530	96	76
38YCA060-600	101	70
38YCA060-620	96	76
38YCA060-630	96	76
38YCA024-700	63	49
38YCA036-700	76	61
38YCA036-710	76	61
38YCA036-900	76	61
38YCA036-910	76	61
38YCA048-700	88	73
38YCA048-710	88	73
38YCA048-900	88	73
38YCA048-910	88	73
38YCA060-900	96	76
38YCB018-300	52	40
38YCB018-310	55	40
38YCB024-300	63	49
38YCB024-310	63	49
38YCB030-300	70	55
38YCB030-310	67	55
38YCB030-500	70	55
38YCB036-300	76	61
38YCB036-310	73	59
38YCB036-500	76	61
38YCB036-510	73	59
38YCB036-600	76	61
38YCB036-610	73	59
38YCB042-300	84	67

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**SPLIT-SYSTEM HEAT PUMPS continued**

	Model Number	Indoor Piston	Outdoor Piston
	38YCB042-311	84	65
	38YCB042-500	84	67
	38YCB042-510	84	65
	38YCB042-600	84	67
	38YCB042-610	84	65
	38YCB048-300	88	73
	38YCB048-310	88	73
	38YCB048-500	88	73
	38YCB048-510	88	73
	38YCB048-600	88	73
	38YCB048-610	88	73
	38YCB060-300	96	76
	38YCB060-310	96	76
	38YCB060-500	96	76
	38YCB060-510	96	76
	38YCB060-600	96	76
	38YCB060-610	96	76
50 H E R T Z	38YCB024-703	63	49
	38YCB036-703	73	61
	38YCB036-713	73	61
	38YCB036-903	73	61
	38YCB048-703	88	73
	38YCB048-903	88	73
	38YCB048-913	88	73
	38YCB048-923	90	73
	38YCB060-903	98	76
38YCB060-923	96	76	
	38YCN024-330	65	46
	38YCN024-340	61	46
	38YCN024-350	63	49
	38YCN024-360	63	49
	38YCN030-330	73	52
	38YCN030-340	73	52
	38YCN030-350	70	52
	38YCN030-360	67	55
	38YCN030-370	70	55
	38YCN036-330	80	59
	38YCN036-340	78	59
	38YCN036-360	76	61
	38YCN036-370	73	59
	38YCN042-300	84	63
	38YCN042-320	84	67
	38YCN042-330	84	65
	38YCN048-300	88	67
	38YCN048-320	88	73
	38YCN048-330	88	73
	38YCP024-300	63	49
	38YCP024-310	63	49
	38YCP030-300	70	55
	38YCP030-310	67	55
	38YCP036-300	76	61
	38YCP036-310	73	59
	38YCP042-300	84	67
	38YCP042-310	84	65
	38YCP048-300	88	73

**SPLIT-SYSTEM HEAT PUMPS continued**

	<b>Model Number</b>	<b>Indoor Piston</b>	<b>Outdoor Piston</b>
	38YCP048-310	88	73
	38YDA036-300	EA36EC361	57
	38YDA048-300	EA36EC361	70
	38YDA060-300	EA36EC361	70
50 H E R T Z	38YG-030-700	67	55
	38YG-030-810	67	55
	38YG-030-910	67	55
	38YG-035-810	70	59
	38YG-035-910	70	59
	38YG-040-820	76	63
	38YG-040-920	76	63
	38YG-050-810	82	73
	38YG-050-910	82	73
	38YG-060-820	93	76
38YG-060-920	93	76	
	38YKB018-320	55	42
	38YKB024-310	61	49
	38YKB030-310	70	59
	38YKB036-310	78	61
	38YKB042-310	82	63
	38YKB048-310	88	70
	38YKB060-310	98	78
	38YKC018-300	55	42
	38YKC024-300	65	46
	38YKC030-300	70	52
	38YKC036-300	76	61
	38YKC042-300	80	63
	38YKC048-300	88	70
	38YKC060-300	98	78
	38YMA018-320	EA36EC350	42
	38YMA024-320	EA36EC351	49
	38YMA030-320	EA36EC352	52
	38YMA036-320	EA36EC353	59
	38YMA042-310	EA36EC353	63
	38YMA048-310	EA36EC354	70
	38YR-018-320	EA36EC350	42
	38YR-024-320	EA36EC351	49
	38YR-030-320	EA36EC352	52
	38YR-036-320	EA36EC353	59
	38YR-042-320	EA36EC353	63
	38YR-048-320	EA36EC354	70
	38YR-060-320	EA36EC355	73
	38YRA024-300	EA36EC351	49
	38YRA024-310	EA36EC351	49
	38YRA030-300	EA36EC352	52
	38YRA030-310	EA36EC352	52
	38YRA036-300	EA36EC353	59
	38YRA036-310	EA36EC353	59
	38YRA042-300	EA36EC353	63
	38YRA042-310	EA36EC353	63
	38YRA048-300	EA36EC354	70
	38YRA060-300	EA36EC355	73
	38YRY036-300	EA36EC353	59
	38YRY048-300	EA36EC354	70

**SPLIT-SYSTEM HEAT PUMPS continued**

<b>Model Number</b>	<b>Indoor Piston</b>	<b>Outdoor Piston</b>
38YS-024-300	EA36EC351	EA36EC381
38YS-030-300	EA36EC352	EA36EC381
38YS-036-300	EA36EC353	EA36EC383
38YS-042-300	EA36EC353	EA36EC384
38YS-048-300	EA36EC354	EA36EC384
38YSA024-300	EA36EC351	EA36EC381
38YSA030-300	EA36EC352	EA36EC381
38YSA036-300	EA36EC353	EA36EC383
38YSA042-300	EA36EC353	EA36EC384
38YV-024-300	EA36EC361	42
38YV-036-300	EA36EC361	42
38YV-060-300	EA36EC361	63



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