

# QUICK REFERENCE GUIDE

## 1.5- to 5-Ton Split Systems Heat Pumps - Standard Efficiency, Single & Three Phase

	Single-Phase Systems						Three-Phase Systems				
Nominal Size (tons)	1.5	2	2.5	3	3.5	4	5	3	3.5	4	5
Efficiency (SEER)	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.5	14.0	13.5	13.0
Heating Efficiency (HSPF)	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.7
<b>Fan Performance</b>											
Supply (CFM)	600	800	1,000	1,200	1,400	1,600	1,800	1,200	1,400	1,600	1,800
Max ESP	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.80	0.80	0.80	0.80
Motor HP	1/5	1/3	1/3	1/2	1/3	1/2	1/2	1/2	1	1	1
Blower Motor FLA	1.1	1.6	1.9	2.3	1.9	3.9	3.9	4.1	7.6	7.6	7.6
<b>Cooling Capacity</b>											
Total (MBH)	18.7	25.0	30.4	36.0	44.0	51.5	60.0	35.2	43.5	49.0	59.0
Sensible (MBH)	14.0	23.5	29.2	33.8	40.0	46.9	54.0	27.8	34.8	38.2	44.8
EAT (DB/WB)	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67
Compressor Stages	1	1	1	1	1	1	1	1	1	1	1
<b>Heating Capacity</b>											
Total (MBH)	17.0	21.3	25.4	33.3	43.0	45.2	53.2	32.1	39.3	43.4	55.3
EAT (DB)	70	70	70	70	70	70	70	70	70	70	70
Outdoor Temp (DB/WB)	45	45	45	45	45	45	45	45	45	45	45
<b>CU Model #</b>	14HPX-018	14HPX-024	14HPX-030	14HPX-036	14HPX-042	14HPX-048	14HPX-060	TPA036S4	TPA042S4	TPA048S4	TPA060S4
Suction Line Connection (in)	3/4	3/4	3/4	7/8	7/8	7/8	7/8	7/8	7/8	7/8	1-1/8
Liquid Line Connection (in)	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Shipping Weight (lbs)	177	177	177	202	272	273	295	180	220	250	255
Height (in)	40	40	40	36	40	40	46	36	39	39	46
Width (in)	29	29	29	29	33	33	33	25	33	33	33
Depth (in)	29	29	29	29	33	33	33	25	33	33	33
230V	FLA	10.1	14.6	13.9	15.2	19.7	23.6	23.9	11.5	15.3	17.7
	MCA	12.3	17.9	17.1	18.7	24.2	29	29.4	14.2	18.6	21.8
	MOCP	20	30	25	30	40	50	50	20	30	35
460V	FLA	----	----	----	----	----	----	----	6.4	7.0	8.8
	MCA	----	----	----	----	----	----	----	7.8	8.4	10.7
	MOCP	----	----	----	----	----	----	----	15	15	15
<b>AHU Model #</b>	CBX25UH-018	CBX25UH-024	CBX25UH-030	CBX25UH-036	CBX25UH-042	CBX25UH-048	CBX25UH-060	CBX27UH-036	CBX27UH-042	CBX27UH-048	CBX27UH-060
Shipping Weight (lbs)	105	123	126	161	163	186	186	159	194	194	216
Height (in)	40	42	44	49	49	54	54	52	60	60	64
Width (in)	15	19	19	22	22	22	22	22	22	22	22
Depth (in)	22	22	22	22	26	26	26	23	25	25	25



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## 1.5- to 5-Ton Split Systems Heat Pumps - Standard Efficiency, Single & Three Phase

		Electrical Data Air Handler Model CBX25UH						
		208V / 240V, Single Phase*						
Nominal Size (Tons)		1.5	2	2.5	3	3.5	4	5
No heat	MCA	1.4	2	2.4	2.9	2.4	4.9	4.9
	MOCP	15	15	15	15	15	15	15
2.5 kW	kW	1.9 / 2.5	1.9 / 2.5	1.9 / 2.5	1.9 / 2.5	1.9 / 2.5	---	---
	MBH	6.4 / 8.5	6.4 / 8.5	6.4 / 8.5	6.4 / 8.5	6.4 / 8.5	---	---
	MCA	13 / 15	13 / 15	14 / 15	14 / 16	14 / 15	---	---
	MOCP	15 / 15	15 / 15	15 / 15	15 / 20	15 / 15	---	---
5 kW	kW	3.8 / 5.0	3.8 / 5.0	3.8 / 5.0	3.8 / 5.0	3.8 / 5.0	3.8 / 5.0	3.8 / 5.0
	MBH	12.8 / 17.1	12.8 / 17.1	12.8 / 17.1	12.8 / 17.1	12.8 / 17.1	12.8 / 17.1	12.8 / 17.1
	MCA	25 / 28	25 / 28	25 / 28	25 / 29	25 / 28	27 / 31	27 / 31
	MOCP	25 / 30	25 / 30	25 / 30	25 / 30	25 / 30	30 / 35	30 / 35
7.5 kW	kW	5.6 / 7.5	5.6 / 7.5	5.6 / 7.5	5.6 / 7.5	5.6 / 7.5	5.6 / 7.5	5.6 / 7.5
	MBH	19.2 / 25.6	19.2 / 25.6	19.2 / 25.6	19.2 / 25.6	19.2 / 25.6	19.2 / 25.6	19.2 / 25.6
	MCA	35 / 40	36 / 41	36 / 41	37 / 42	36 / 41	39 / 44	39 / 44
	MOCP	40 / 45	40 / 45	40 / 45	40 / 45	40 / 45	40 / 45	40 / 45
10 kW	kW	6.8 / 9.0	6.8 / 9.0	6.8 / 9.0	6.8 / 9.0	6.8 / 9.0	6.8 / 9.0	6.8 / 9.0
	MBH	23.0 / 30.7	23.0 / 30.7	23.0 / 30.7	23.0 / 30.7	23.0 / 30.7	23.0 / 30.7	23.0 / 30.7
	MCA	42 / 48	43 / 49	43 / 49	43 / 50	43 / 49	45 / 52	45 / 52
	MOCP	45 / 50	45 / 50	45 / 50	45 / 50	45 / 50	45 / 60	45 / 60
12.5 kW	kW	---	---	9.4 / 12.5	9.4 / 12.5	9.4 / 12.5	9.5 / 12.5	9.5 / 12.5
	MBH	---	---	32.0 / 42.6	32.0 / 42.6	32.0 / 42.6	32.0 / 42.6	32.0 / 42.6
	MCA	---	---	58 / 66	59 / 68	54 / 67	61 / 70	61 / 70
	MOCP	---	---	60 / 70	60 / 70	60 / 70	70 / 70	70 / 70
15 kW	kW	---	---	11.3 / 15.0	11.3 / 15.0	11.3 / 15.0	11.3 / 15.0	11.3 / 15.0
	MBH	---	---	38.4 / 51.2	38.4 / 51.2	38.4 / 51.2	38.4 / 51.2	38.4 / 51.2
	MCA	---	---	---	70 / 81	70 / 81	72 / 83	72 / 83
	MOCP	---	---	70	70 / 90	70 / 90	80 / 90	80 / 90
20 kW	kW	---	---	---	---	---	15.0 / 20.0	15.0 / 20.0
	MBH	---	---	---	---	---	51.2 / 68.2	51.2 / 68.2
	MCA	---	---	---	---	---	95 / 109	95 / 109
	MOCP	---	---	---	---	---	100 / 110	100 / 110

\* Note: Electrical data is based on single point power.

		Electrical Data Air Handler Model CBX27UH								
		208V / 240V, Three Phase*					460V, Three Phase*			
Nominal Size (Tons)		2.5	3	3.5	4	5	3	3.5	4	5
No heat	MCA	5	5	10	10	10	2.6	---	5	5
	MOCP	15	15	15	15	15	15	---	15	15
8 kW 1 stage	kW	6.0 / 8.0	6.0 / 8.0	6.0 / 8.0	6.0 / 8.0	6.0 / 8.0	---	---	---	---
	MBH	20.5 / 27.3	20.5 / 27.3	20.5 / 27.3	20.5 / 27.3	20.5 / 27.3	---	---	---	---
	MCA	26 / 29	26 / 29	30 / 33	30 / 33	30 / 33	---	---	---	---
	MOCP	30 / 30	30 / 30	30 / 35	30 / 35	30 / 35	---	---	---	---
10 kW 1 stage	kW	7.5 / 10.0	7.5 / 10.0	7.5 / 10.0	7.5 / 10.0	7.5 / 10.0	9.2	---	9.2	9.2
	MBH	25.6 / 34.1	25.6 / 34.1	25.6 / 34.1	25.6 / 34.1	25.6 / 34.1	31.4	---	31.4	31.4
	MCA	31 / 35	31 / 35	36 / 40	36 / 40	36 / 40	17	---	19	19
	MOCP	35 / 35	35 / 35	40 / 40	40 / 40	40 / 40	20	---	20	20
15 kW 1 stage	kW	11.3 / 15.0	11.3 / 15.0	11.3 / 15.0	11.3 / 15.0	11.3 / 15.0	13.5	---	13.5	13.5
	MBH	38.4 / 51.2	38.4 / 51.2	38.4 / 51.2	38.4 / 51.2	38.4 / 51.2	47.0	---	47.0	47.0
	MCA	44 / 50	44 / 50	49 / 55	49 / 55	49 / 55	24	---	26	26
	MOCP	45 / 50	45 / 50	50 / 60	50 / 60	50 / 60	25	---	30	30
20 kW 2 stage	kW	---	15.0 / 20.0	15.0 / 20.0	15.0 / 20.0	15.0 / 20.0	---	---	18.4	18.4
	MBH	---	51.2 / 68.2	51.2 / 68.2	51.2 / 68.2	51.2 / 68.2	---	---	62.7	62.7
	MCA	---	57 / 65	62 / 70	62 / 70	62 / 70	---	---	34	34
	MOCP	---	60 / 70	70 / 70	70 / 70	70 / 70	---	---	35	35
25 kW 2 stage	kW	---	---	18.8 / 25.0	18.8 / 25.0	18.8 / 25.0	---	---	23.0	23.0
	MBH	---	---	64.1 / 85.3	64.1 / 85.3	64.1 / 85.3	---	---	78.3	78.3
	MCA	---	---	62 / 85	75 / 85	75 / 85	---	---	41	41
	MOCP	---	---	70 / 90	80 / 90	80 / 90	---	---	45	45

**Schedule notes for 14HPX (Std features):**

1. Auto reset high- and low-pressure switches
2. High-capacity liquid line drier
3. Reversing valve
4. Crankcase heater (Std on 3-5 ton units)
5. Defrost control
6. Anti-short-cycle control
7. Steel louvered panels

**14HPX Optional features:**

1. Low ambient cut out switch at 35°F
2. Low ambient control to 30°F and freezestat
3. Outdoor thermostat kit to lockout electric heat
4. Crankcase heater (Optional on 1.5- to 2.5-ton models)
5. Compressor sound dampening cover

**Schedule notes for TPA\*S4 (Std features):**

1. Auto reset high- and low-pressure switches
2. High-capacity liquid line drier
3. Reversing valve
4. Crankcase heater
5. Defrost control
6. Anti-short-cycle control
7. Coil guard

**TPA\*S4 Optional features:**

1. Low ambient cut out switch at 35°F
2. Low ambient control to 30°F and freezestat
3. Low ambient control to 0°F and freezestat (208/230V only)
4. Outdoor thermostat kit to lockout electric heat
5. Hail guard
6. Compressor sound dampening cover

**Schedule notes for CBX25UH & CBX27UH (Std features):**

1. Corrosion-resistant drain pans
2. TXV

**CBX25UH & CBX27UH Optional Features:**

1. Programmable thermostat
2. Single point power kit
3. Circuit breaker for electric heat
4. Downflow conversion kit



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14G41 2/19 PC92063