



**2 TO 5 TON SPLIT SYSTEMS
AIR CONDITIONERS, FURNACES & COILS
HIGH EFFICIENCY, SINGLE PHASE**

QUICK REFERENCE GUIDE

	TWO STAGE COMPRESSOR								TWO STAGE COMPRESSOR, MICROPROCESSOR			
Nominal Size (tons)	2	2	3	3	4	4	5	5	2	3	4	5
Efficiency (SEER)	16.0	16.0	14.5	15.0	16.0	16.0	15.5	15.0	20.0	18.0	17.0	15.5
Supply (CFM)	800	800	1200	1200	1600	1600	2000	2000	800	1200	1600	2000
EAT (F)	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67		80/67	80/67	80/67
Total (MBH)	25.2	25.2	35.2	35.2	48.5	49.0	61.5	60.5	26.0	36.4	51.5	62.0
Sensible (MBH)	19.7	19.7	27.8	27.8	37.8	37.7	46.7	45.98	20.3	28.4	39.7	47.1
Stages of Cooling	2	2	2	2	2	2	2	2	2	2	2	2
Coil Model #	CX34-25B-6F	CX34-25B-6F	CX34-36B-6F	CX34-36C-6F	CX34-49C-6F	CX34-49C-6F	CX34-62C-6F	CX34-60D-6F	CX34-25B-6F	CX34-36C-F	CX34-49C-6F	CX34-62C-6F
Furnace Model #	EL296UH045XV36B	EL296UH070XV36B	EL296UH070XV36B	EL296UH090XV48C	EL296UH090XV48C	EL296UH110XV48C	EL296UH110XV60C	EL296UH135XV60D	EL296UH070XV36B	EL296UH090XV48C	EL296UH110XV48C	EL296UH110XV60C
ESP (in wg)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Blower Fan (hp)	1/2	1/2	1/2	3/4	3/4	3/4	1	1	1/2	3/4	3/4	1
Blower Fan FLA	7.7	7.7	7.7	10.1	10.1	10.1	12.8	12.8	7.7	10.1	10.1	12.8
Input (MBH)	44 / 29	66 / 43	66 / 43	88 / 57	88 / 57	110 / 72	110 / 72	132 / 86	66 / 43	88 / 57	110 / 72	110 / 72
Output (MBH)	42 / 28	62 / 41	62 / 41	85 / 55	85 / 55	105 / 70	106 / 70	126 / 84	62 / 41	85 / 55	106 / 70	106 / 70
Temp Rise Range (F)	35-65	50-80	50-80	45-75	45-75	60-90	45-75	55-85	50-80	45-75	60-90	45-75
Efficiency	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%
Stages of Heating	2	2	2	2	2	2	2	2	2	2	2	2
Flue In/Out Connection (in)	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
120V	MCA	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12
	MOCP	15	15	15	15	15	20	20	15	15	20	20
Combined Coil & Furnace												
Height (in)	53	53	59	59	63	63	66	60	53	59	65	66
Width (in)	18	18	18	21	21	21	21	25	18	21	21	21
Depth (in)	30	30	30	30	30	30	30	30	30	30	30	30
Weight (lbs)	171	177	182	213	235	245	251	254	177	213	245	251
Condensing Model #	XC16-024	XC16-024	XC16-036	XC16-036	XC16-048	XC16-048	XC16-060	XC16-060	XC21-024	XC21-036	XC21-048	XC21-060
Sound Rating (dB)	73	73	74	74	74	74	74	74	69	71	73	73
Suction Line Connection (in)	3/4	3/4	7/8	7/8	7/8	7/8	1-1/8	1-1/8	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	3/8
230V Electrical												
MCA	15.7	15.7	20.8	20.8	29.2	29.2	35.6	35.6	20.0	21.1	28.5	35.8
MOCP	25	25	35	35	50	50	60	60	25	35	45	60
Compressor RLA	11.6	11.6	15.3	15.3	21.2	21.2	27.1	27.1	11.7	15.3	21.2	27.1
Fan FLA	1.0	1.0	1.7	1.7	2.8	2.8	1.8	1.8	2.0	2.0	2.0	2.0
Shipping Weight (lbs)	249	249	243	243	268	268	332	332	314	331	337	338

Schedule notes for XC16 condensing units (Standard features)

1. Two stage compressor for more efficient part load control
2. Auto reset high and low pressure switches
3. High-capacity liquid line drier
4. Crankcase heater (Std on 4 and 5 ton models)
5. Steel louvered coil panels for hail protection
6. Hinged coil panels for ease of maintenance

XC16 Optional features:

1. Low ambient cut-out switch to prevent compressor operation below 35°F
2. Low ambient cooling kit to 30°F and freeze-stat
3. Time-off control kit to prevent compressor short cycling
4. Crankcase heater (Optional on 2 and 3 ton models)
5. Hard start kit for low supply voltage applications
6. Indoor Blower Speed Relay kit to provide optimum humidity conditions by automatically reducing indoor blower speed during continuous fan or first stage compressor operation

Schedule notes for EL296UHV / CX34 cased coil (Standard features)

1. Two stage burner
 2. Variable speed ECM blower motor
 3. Thermal expansion valve
 4. Meets CA low NOx standards
- EL296UHV Optional features:**
1. Concentric vent kit (1.5" on 45 MBH, 1.5" on 70 MBH, 2" or 3" on 90 MBH, 2" or 3" on 110 MBH, 3" on 135MBH)
 2. 7 day programmable thermostat with touch screen interface (Vision Pro 8000)

Schedule notes for XC21 condensing units (Standard features)

1. Two stage compressor for more efficient part load control
2. Low operating sound level
3. Auto reset high and low pressure switches
4. High-capacity liquid line drier
5. Steel louvered coil panels for hail protection
6. Hinged coil panels for ease of maintenance
7. Microprocessor control board, including anti-short cycle timer

XC21 Optional features:

1. Low ambient cut-out switch to prevent compressor operation below 35°F
2. Low ambient cooling kit to 30°F and freeze-stat
3. Indoor Blower Speed Relay kit to provide optimum humidity conditions by automatically reducing indoor blower speed during continuous fan or first stage compressor operation
4. Crankcase heater
5. Hard start kit for low supply voltage applications
6. WiFi thermostat to provide remote monitoring/adjustment and email/text service alerts and serial communications bus



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		PSC BLOWER MOTOR							ECM BLOWER MOTOR						
Nominal Size (tons)		1.5	2	2.5	3	3.5	4	5	1.5	2	2.5	3	3.5	4	5
Efficiency (SEER)		13.0	13.5	14.0	13.0	13.0	13.0	13.0	14.5	15.5	15.0	14.5	14.0	14.0	14.0
Supply (CFM)		600	800	1000	1200	1400	1600	2000	600	800	1000	1200	1400	1600	2000
EAT (F)		80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67
Total (MBH)		18.9	24.8	29.4	36.6	43.0	51.5	60.0	18.9	23.2	30.6	36.6	43.0	51.5	51.5
Sensible (MBH)		14.7	19.8	23.5	29.3	34.0	40.7	46.2	14.7	22.7	24.8	28.5	33.5	40.7	40.7
Stages of Cooling		1	1	1	1	1	1	1	1	1	1	1	1	1	1
Coil Model #		CX34-18/24A-6F	CX34-25A-6F	CX34-30A-6F	CX34-38B-6F	CX34-43B-6F	CX34-49C-6F	CX34-60D-6F	CX34-18/24A-6F	CX34-25B-6F	CX34-31B-6F	CX34-43C-6F	CX34-43C-6F	CX34-49C-6F	CX34-62D-6F
Furnace Model #		ML180UH070P24A	ML180UH070P24A	ML180UH070P36A	ML180UH090P36B	ML180UH090P48B	ML180UH110P48C	ML180UH135P60D	EL180UHO45E36A	EL180UH070E36B	EL180UH090E48B	EL180UH090E60C	EL180UH090E60C	EL180UH110E60C	EL180UH135E60D
ESP (in wg)		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Blower Fan (hp)		1/5	1/5	1/3	1/3	1/2	1/2	1	1/2	1/2	1/2	1	1	1	1
Blower Fan FLA		3.1	3.1	6.1	6.1	8.2	8.2	11.5							
Input (MBH)		66	66	66	88	88	110	132	44	66	88	88	88	110	132
Output (MBH)		54	54	54	71	71	89	107	36	53	72	72	72	90	107
Temp Rise Range (F)		30-60	30-60	30-60	25-55	25-55	25-55	30-60	15-45	40-70	35-65	30-60	30-60	35-65	30-60
Efficiency		80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%
Stages of Heating		1	1	1	1	1	1	1	1	1	1	1	1	1	1
Flue Connection (in)		4	4	4	4	4	4	4	4	4	4	4	4	4	4
120V	MCA	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12
	MOCP	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Combined Coil & Furnace															
Height (in)		51	52	55	59	62	64	60	51	53	57	62	62	64	66
Width (in)		15	15	15	18	18	21	25	15	18	18	21	21	21	25
Depth (in)		29	29	29	29	29	29	29	30	30	30	30	30	30	30
Weight (lbs)		145	153	156	182	243	223	240	142	168	191	215	215	232	254
Condensing Model #		13ACX-018	13ACX-024	13ACX-030	13ACX-036	13ACX-042	13ACX-048	13ACX-060	13ACX-018	13ACX-024	13ACX-030	13ACX-036	13ACX-042	13ACX-048	13ACX-048
Sound Rating (dB)		76	76	76	76	79	79	79	76	76	76	76	79	79	79
Suction Line Connection (in)		5/8	5/8	3/4	3/4	3/4	7/8	7/8	5/8	5/8	3/4	3/4	3/4	7/8	7/8
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	3/8	3/8	3/8
230V Electrical															
MCA		12.4	14.7	18.7	22.0	28.1	31.9	34.6	12.4	14.7	18.7	22.0	28.1	31.9	34.6
MOCP		20	25	30	35	45	50	60	20	25	30	35	45	50	60
Compressor RLA		9.4	11.2	14.1	16.7	21.2	24.7	26.3	9.4	11.2	14.1	16.7	21.2	24.7	26.3
Fan FLA		0.7	0.7	1.1	1.1	1.7	1.7	1.7	0.7	0.7	1.1	1.1	1.7	1.7	1.7
Shipping Weight (lbs)		138	138	144	151	188	195	218	138	138	144	151	188	195	218

Schedule notes for 13ACX condensing units (Standard features)

1. Manual reset high pressure switch
2. High-capacity liquid line drier
3. Steel louvered coil panels for hail protection

13ACX Optional features:

1. Compressor sound cover
2. Compressor crankcase heater
3. Low ambient cut-out switch to prevent compressor operation below 35°F
4. Low ambient cooling kit to 30°F and freezestat
5. Time-off control kit to prevent compressor short cycling
6. Auto reset low pressure switch

Schedule notes for ML180UHP / CX34 cased coil (Standard features)

1. Multi-speed blower motor
2. Thermal expansion valve

ML180UHP furnaces can be twinned for simultaneous operation.

ML180UHP Optional features:

1. 7 day programmable thermostat with touch screen interface (Vision Pro 8000)
2. Twinning kit

Schedule notes for EL180UHE / CX34 cased coil (Standard features)

1. ECM blower motor
2. Thermal expansion valve

EL180UHE furnaces cannot be twinned due to ECM.

ML180UHP Optional features:

1. 7 day programmable thermostat with touch screen interface (Vision Pro 8000)



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