

## Copeland Model # 6D & 6R Physical and Electrical Specifications

MODEL		6DH2000	6DK2000	6DP2000	6DL2700	6DC2700	6DD2700	6DB3000	6DW3000	6DY3000	6DT3000	6DE3000
CAPACITY CONTROL		NO	ONE	TWO	NO	ONE	TWO	NO	ONE	TWO	NO	ONE
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60	20-60	20-60	20-60	20-60	20-60	20-60
CYLINDERS		6	6	6	6	6	6	6	6	6	6	6
BORE		2-11/16	2-11/16	2-11/16	2-11/16	2-11/16	2-11/16	2-11/16	2-11/16	2-11/16	2-15/16	2-15/16
STROKE		2-3/16	2-3/16	2-3/16	2-3/16	2-3/16	2-3/16	2	2	2	2-3/16	2-3/16
DISPLACEMENT CFH		4530	4530	4530	4530	4530	4530	4137	4137	4137	5407	5407
OIL GRADE		150	150	150	150	150	150	150	150	150	150	150
OIL CHARGE OZ.		140	140	140	140	140	140	140	140	140	255	255
NET WEIGHT		435	435	435	566	566	566	500	500	500	530	530
RATED BTUH @ SST LISTED X 1000	R12 45°F	237.2	237.2	237.2								
	R12 0°F	84.4	84.4	84.4								
	R22 45°F							356.4	356.4	356.4		
	R502 0°F											
	R502-20°F				76.6	76.6	76.6				84.9	
	R404a 20°F											
MOTOR SIZE HP		20	20	20	27	27	27	30	30	30	30	30
ELECTRICAL DATA												
208-230 -3- 60	LRA	346.0	346.0	346.0	450.0	450.0	450.0	565	565	565	470.0	470.0
	RLA	75.0	75.0	75.0	80.8	80.8	80.8	105.0	105.0	105.0	111.0	111.0
	MCC	105.0	105.0	105.0	113.0	113.0	113.0	147.0	147.0	147.0	155.3	155.3
460 -3- 60	LRA	173.0	173.0	173.0	225.0	225.0	225.0	283	283	283	235.0	235.0
	RLA	37.5	37.5	37.5	40.4	40.4	40.4	47.8	47.8	47.8	55.5	55.5
	MCC	52.5	52.5	52.5	56.5	56.5	56.5	51.8	51.8	51.8	77.7	77.7
575 -3- 60	LRA	135.0	135.0	135.0	---	---	---	230.0	230.0	230.0	200.0	200.0
	RLA	30.0	30.0	30.0	---	---	---	40.0	40.0	40.0	40.0	40.0
	MCC	42.0	42.0	42.0	---	---	---	56.0	56.0	56.0	---	---

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling, Superheat Varies, 65° Return Gas Temperature.

6DF3000	6DG3500	6DM3500	6DN3500	6DH3500	6DK3500	6DP3500	6DJ4000	6DR4000	6DS4000
TWO	NO	ONE	TWO	NO	ONE	TWO	NO	ONE	TWO
20-60	20-60	20-60	20-60	20-60	20-60	20-60	20-60	20-60	20-60
6	6	6	6	6	6	6	6	6	6
2-15/16	2-13/16	2-13/16	2-13/16	2-11/16	2-11/16	2-11/16	2-15/16	2-15/16	2-15/16
2-3/16	2-3/16	2-3/16	2-3/16	2-3/16	2-3/16	2-3/16	2-3/16	2-3/16	2-3/16
5407	4955	4955	4955	4530	4530	4530	5404	5404	5404
150	150	150	150	150	150	150	150	150	150
255	140	140	140	140	140	140	255	255	255
530	502	502	502	571	571	571	548	548	548
	422.1	422.1	422.1				466.7	466.7	466.7
				144.4			167.7	167.7	167.7
				207.4	207.4	207.4	245.9	245.9	245.9
30	35	35	35	35	35	35	40	40	40
470.0	594.0	594.0	594.0	565.0	565.0	565.0	594.0	594.0	594.0
111.0	125.0	125.0	125.0	175.0	175.0	175.0	14.0	142.0	142.0
155.3	175.0	175.0	175.0	125.0	125.0	125.0	198.0	198.0	198.0
235.0	297.0	297.0	297.0	283.0	283.0	283.0	297.0	297.0	297.0
55.5	62.5	62.5	62.5	6.5	6.5	6.5	71.0	71.0	71.0
77.7	87.5	87.5	87.5	87.5	87.5	87.5	99.0	99.0	99.0
200.0	245.0	245.0	245.0	230.0	230.0	230.0	245.0	245.0	245.0
40.0	46.0	46.0	46.0	42.5	42.5	42.5	53.5	53.5	53.5
---	64.4	64.4	64.4	59.5	59.5	59.5	74.9	74.9	74.9

## Electrical & Physical Properties of Copeland 6R Compressors

MODEL	6RA1000	6RA2000	6RE2000	6RN2000	6RH2000	6RK2000	6RP2000	6RL2500	6RA3000	6RE3000	6RN3000	
CAPACITY CONTROL	NO	NO	ONE	TWO	NO	ONE	TWO	NO	NO	TWO	TWO	
NET OIL PRESSURE	20-60	20-60	20-60	20-60	20-60	20-60	20-60	20-60	20-60	20-60	20-60	
CYLINDERS	6	6	6	6	6	6	6	6	6	6	6	
BORE	2-1/2	2-1/2	2-1/2	2-1/2	2-11/16	2-11/16	2-11/16	2-11/16	2-1/2	2-1/2	2-1/2	
STROKE	2	2	2	2	2-3/16	2-3/16	2-3/16	2-3/16	2	2	2	
DISPLACEMENT CFH	3580	3580	3580	3580	4530	4530	4530	4530	3580	3580	3580	
OIL GRADE	150	150	150	150	150	150	150	160	150	150	150	
OIL CHARGE OZ.	184	160	160	160	160	160	160	140	160	160	160	
NET WEIGHT	415	425	430	435	430	435	440	460	475	479	479	
RATED BTUH @ SST LISTED X 1000	R12 45°F		166.7	166.7	166.7	195.9	195.9	195.9				
	R12 0°F					69.3						
	R12 -20°F	33.2										
	R22 45°F								279.9	279.9	279.9	
	R22 25°F								95.9			
	R502 -20°F		91.6					68.7				
MOTOR SIZE HP	10	20	20	20	20	20	20	25	30	30	30	
ELECTRICAL DATA												
208-230 -3- 60	LRA	240.0	308.0	308.0	308.0	308.0	308.0	308.0	428.0	470.0	470.0	470.0
	RLA	43.6	67.3	67.3	67.3	72.0	72.0	72.0	96.9	105.0	105.0	105.0
	MCC	61.0	91.6	91.6	91.6	100.8	100.8	100.8	135.7	146.0	146.0	146.0
460 -3- 60	LRA	120.0	154.0	154.0	154.0	154.0	154.0	154.0	214.0	235.0	235.0	235.0
	RLA	21.8	33.7	33.7	33.7	36.0	36.0	36.0	48.5	52.5	52.5	52.5
	MCC	30.5	45.8	45.8	45.8	50.4	50.4	50.4	67.9	73.0	73.0	73.0
575 -3- 60	LRA	106.0	135.0	135.0	135.0	135.0	135.0	135.0	160.0	200.0	200.0	200.0
	RLA	19.8	29.5	29.5	29.5	28.0	28.0	28.0	34.8	50.0	50.0	50.0
	MCC											

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,

MODEL	6RT3000	6RH3500	6RK3500	6RP3500	6RJ4000	6RR4000	6RS4000	6RB1000	6RB2000	6TM2000	
CAPACITY CONTROL	NO	NO	ONE	TWO	NO	ONE	TWO				
NET OIL PRESSURE	20-60	20-60	20-60	20-60	20-60	20-60	20-60	20-60	20-60	20-60	
CYLINDERS	6	6	6	6	6	6	6	6	6	6	
BORE	2-15/16	2-11/16	2-11/16	2-11/16	2-15/16	2-15/16	2-15/16	2-1/2	2-1/2	2-11/16	
STROKE	2-3/16	2-3/16	2-3/16	2-3/16	2-3/16	2-3/16	2-3/16	2	2	2-3/16	
DISPLACEMENT CFH	5404	4530	4530	4530	5404	5404	5404	3580	3580	4530	
OIL GRADE	150	150	150	150	150	150	150	150	150	150	
OIL CHARGE OZ.	242	160	160	160	242	242	242	184	160	160	
NET WEIGHT	525	484	496	506	535	541	538	415	420	420	
RATED BTUH @ SST LISTED X 1000	R12 45°F										
	R12 0°F										
	R12 -20°F							47.5		62.0	
	R22 45°F		353.5	353.5	353.5	385.0	385.0	385.0	48.6	62.0	
	R22 25°F								15.0	20.0	
R502 -20°F	76.5	113.2			120.0						
MOTOR SIZE HP	30	35	35	35	40	40	40	10	20	20	
ELECTRICAL DATA											
208-230 -3- 60	LRA	470.0	556.0	556.0	556.0	594.0	594.0	594.0	240.0	308.0	308.0
	RLA	111.0	135.0	135.0	135.0	142.0	142.0	142.0	43.3	61.4	65.7
	MCC	155.3	188.0	188.0	188.0	198.0	198.0	198.0	60.6	82.0	92.0
460 -3- 60	LRA	235.0	283.0	283.0	283.0	297.0	297.0	297.0	120.0	154.0	154.0
	RLA	55.5	67.5	67.5	67.5	71.0	71.0	71.0	21.7	30.7	32.9
	MCC	77.7	94.0	94.0	94.0	99.0	99.0	99.0	30.3	41.0	46.0
575 -3- 60	LRA	200.0	230.0	230.0	230.0	225.0	225.0	225.0	106.0	135.0	135.0
	RLA	50.0	50.2	50.2	50.2	53.6	53.6	53.6	19.8	29.5	29.5
	MCC										

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,