

Copeland Model # 4R & 4D Physical & Electrical Specifications

MODEL		4DA1000	4DE1000	4DH1500	4DK1500	4DL1500	4DP1500	4DA2000	4DE2000	4DJ2000
CAPACITY CONTROL		NO	ONE	NO	ONE	NO	ONE	NO	ONE	NO
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60	20-60	20-60	20-60	20-60
CYLINDERS		4	4	4	4	4	4	4	4	4
BORE		2-1/2	2-1/2	2-11/16	2-11/16	2-11/16	2-11/16	2-1/2	2-1/2	2-15/16
STROKE		2	2	2-3/16	2-3/16	2-3/16	2-3/16	2	2	2-3/16
DISPLACEMENT CFH		2380	2380	3020	3020	3020	3020	2380	2380	3603
OIL GRADE		150	150	150	150	150	150	150	150	150
OIL CHARGE OZ.		140	140	135	135	135	135	135	135	135
NET WEIGHT		375	375	435	435	464	464	400	400	405
RATED BTUH @ SST LISTED X 1000	R12 45°F	122.8	122.8	151.6	151.6					188.2
	R12 0°F	46.0	46.0	156.2	156.2					67.2
	R22 -20°F							216.0	216.0	
	R22 45°F							72.1	72.1	
	R404a -20°F	39.8				51.6	51.6			
	R502 -20°F	40.1	40.1					103.5	103.5	
MOTOR SIZE HP		10	10	15	15	15	15	20	20	20
ELECTRICAL DATA										
208-230 -3- 60	LRA	240	240	278.0	278.0	278.0	278.0	308.0	308.0	346.0
	RLA	53.6	53.6	64.1	64.1	52.6	52.6	66.0	66.0	71.4
	MCC	75.0	75.0	86.0	86.0	65.0	65.0	93.2	93.2	100.0
460 -3- 60	LRA	110.0	110.0	136.0	136.0	139.0	139.0	154.0	154.0	173.0
	RLA	25.7	25.7	32.9	32.9	26.3	26.3	33.0	33.0	32.9
	MCC	36.0	36.0	46.1	46.1	32.5	32.5	46.6	46.6	46.0
575 -3- 60	LRA	106.0	106.0	113.0	113.0	113.0	113.0	135.0	135.0	135.0
	RLA	20.0	20.0	24.3	24.3	20.9	20.9	24.7	24.7	30.0
	MCC	28.0	28.0	34.0	34.0	25.0	25.0	34.6	34.6	42.0

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

MODEL		4DR2000	4DB2200	4DC2200	4DT2200	4DS2200	4DH2500	4DK2500	4DJ3000	4DR3000
CAPACITY CONTROL		ONE	NO	ONE	NO	ONE	NO	ONE	NO	ONE
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60	20-60	20-60	20-60	20-60
CYLINDERS		4	4	4	4	4	4	4	4	4
BORE		2-15/16	2-11/16	2-11/16	2-15/16	2-15/16	2-11/16	2-11/16	2-15/16	2-15/16
STROKE		2-3/16	2	2	2-3/16	2-3/16	2-3/16	2-3/16	2-3/16	2-3/16
DISPLACEMENT CFH		3603	2758	2758	3604	3604	3020	3020	3604	3604
OIL GRADE		150	150	150	150	150	150	150	150	150
OIL CHARGE OZ.		135	135	135	135	135	135	135	135	135
NET WEIGHT		405	470	470	425	425	420	420	511	511
RATED BTUH @ SST LISTED X 1000	R12 45°F	188.2								
	R12 0°F	67.2								
	R22 -20°F			247.3			273.0	273.0	317.9	317.9
	R22 45°F						91.2	91.2	109.5	
	R404a -20°F				64.8	64.8				
	R502 -20°F						138.1	138.1	164.0	164.0
MOTOR SIZE HP		20	22	22	22	22	25	25	30	30
ELECTRICAL DATA										
208-230 -3- 60	LRA	346.0	374.0	374.0	374.0	374.0	428.0	428.0	470.0	470.0
	RLA	71.4	65.6	65.6	66.0	66.0	82.2	82.2	94.0	94.0
	MCC	100.0	91.8	91.8	72.0	72.0	115.0	115.0	131.6	131.6
460 -3- 60	LRA	173.0	187.0	187.0	187.0	187.0	214.0	214.0	235.0	235.0
	RLA	32.9	32.8	32.8	33.0	33.0	41.1	41.1	47.0	47.0
	MCC	46.0	45.9	45.9	36.0	36.0	57.5	57.5	65.8	65.8
575 -3- 60	LRA	135.0	135.0	135.0	135.0	135.0	172.0	172.0	200.0	200.0
	RLA	30.0	26.5	26.5	24.2	24.2	34.4	34.4	39.3	39.3
	MCC	42.0	37.1	37.1	27.5	27.5	48.1	48.1	55.0	55.0

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

MODEL	4RA-0750	4RA1000	4RE1000	4RH1500	4RK1500	4RL1500	4RA2000	4RE2000	4RH2500	4RK2500	4RJ3000	4RR3000	
CAPACITY CONTROL	NO	NO	YES	NO	YES	NO	NO	ONE	NO	ONE	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	20-60	
CYLINDERS	4	4	4	4	4	4	4	4	4	4	4	4	
BORE	2-1/2	2-1/2	2-1/2	2-11/16	2-11/16	2-11/16	2-1/2	2-1/2	2-11/16	2-11/16	2-15/16	2-15/16	
STROKE	2	2	2	2-3/16	2-3/16	2-3/16	2	2	2-3/16	2-3/16	2-3/16	2-3/16	
DISPLACEMENT CFH	2380	2380	2380	3020	3020	3020	2380	2380	3020	3020	3603	3603	
OIL GRADE	150	150	150	150	150	150	150	150	150	150	152/234	152/234	
OIL CHARGE OZ.	168	168	168	136	136	136	136	136	152	152	152	152	
NET WEIGHT	364	369	374	407	412	407	394	403	415	427	470	470	
RATED BTUH @ SST LISTED X 1000	R12 45°F		106.0	106.0	148.9	148.9							
	R12 0°F		39.7	39.7	50.3	50.3							
	R12 -20°F	20.8											
	R22 45°F						186.1	186.1	231.2	231.2	270.0	270.0	
	R22 25°F						118.9	118.9	72.4		84.5		
	R502 -20°F		37.4	37.4			78.0	66.2					
MOTOR SIZE HP	7-1/2	10	10	15	15	15	20	20	25	25	30	30	
ELECTRICAL DATA													
208-230 -3- 60	LRA	172	240.0	240.0	278.0	278.0	278.0	308.0	308.0	428.0	428.0	470.0	470.0
	RLA	27.6	54.8	54.8	63.3	63.3	62.6	71.4	71.4	88.5	88.5	102.0	102.0
	MCC	38.6	76.8	76.8	88.2	88.2	87.7	100.0	100.0	121.5	124.0	135.0	135.0
460 -3- 60	LRA	86.0	120.0	120.0	139.0	139.0	139.0	154.0	154.0	214.0	214.0	235.0	235.0
	RLA	13.8	27.4	27.4	31.5	31.5	31.3	35.7	35.7	44.3	44.3	51.0	51.0
	MCC	19.3	38.4	38.4	44.1	44.1	43.9	50.0	50.0	60.8	62.0	67.5	67.5
575 -3- 60	LRA	65.0	106.0	106.0	113.0	113.0	113.0	135.0	135.0	160.0	160.0	200.0	200.0
	RLA	11.9	19.8	19.8	24.2	24.2	24.2	29.2	29.2	34.8	34.8	42.2	42.2
	MCC												

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