

## HOCA AIR-COOLED CONDENSING UNITS — Outdoor COPELAMETIC COMPRESSORS

### R502 LOW TEMPERATURE

Condensing Unit Model (HOCA)	Sat. Suct. Temp. (°F)	80° Ambient			85° Ambient			90° Ambient			95° Ambient			100° Ambient			105° Ambient		
		Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)
0304RL	-15	24700	3.72	103	23700	3.79	108	22700	3.86	112	21700	3.91	117	20800	3.97	121	19800	4.01	126
	-20	22100	3.49	101	21200	3.55	106	20300	3.60	110	19400	3.64	115	18500	3.68	119	17600	3.71	124
	-25	19600	3.26	99	18800	3.30	104	18000	3.34	108	17100	3.37	113	16300	3.39	117	15500	3.40	122
	COMPR. MODEL 2DF-0300	-30	17300	3.03	97	16500	3.06	102	15800	3.08	106	15000	3.10	111	14200	3.10	115	13400	3.09
	-35	15100	2.80	95	14400	2.81	100	13700	2.82	105	12900	2.81	109	12100	2.79	114	11300	2.76	118
	-40	13100	2.55	94	12400	2.55	98	11700	2.54	103	10900	2.51	107	10100	2.47	112	9240	2.42	116
0404RL	-15	29100	4.02	98	27900	4.09	102	26700	4.16	107	25500	4.23	112	24400	4.29	116	23300	4.34	121
	-20	25900	3.77	96	24800	3.84	101	23700	3.90	105	22700	3.95	110	21600	4.00	115	20600	4.03	119
	-25	22900	3.53	94	21900	3.59	99	21000	3.64	104	20000	3.68	109	19000	3.71	113	18100	3.73	118
	COMPR. MODEL 2DL-0400	-30	20200	3.30	93	19300	3.34	98	18400	3.38	102	17500	3.40	107	16600	3.42	112	15700	3.42
	-35	17600	3.06	92	16800	3.09	96	16000	3.11	101	15100	3.12	106	14300	3.12	110	13400	3.11	115
	-40	15200	2.83	90	14500	2.84	95	13700	2.84	100	12900	2.83	104	12000	2.81	109	11200	2.78	114
0504RL	-15	33000	4.70	100	31700	4.80	105	30500	4.90	110	29300	4.98	114	28000	5.05	119	26800	5.12	123
	-20	29400	4.42	98	28300	4.51	103	27200	4.58	108	26100	4.65	112	24900	4.71	117	23800	4.76	122
	-25	26100	4.14	97	25100	4.22	101	24100	4.28	106	23100	4.33	111	22000	4.37	115	20900	4.40	120
	COMPR. MODEL 2DA-0600	-30	23000	3.87	95	22200	3.94	100	21200	3.99	105	20300	4.02	109	19300	4.04	114	18300	4.05
	-35	20300	3.61	94	19500	3.66	98	18600	3.70	103	17700	3.72	108	16800	3.72	112	15800	3.71	117
	-40	17700	3.36	92	17000	3.40	97	16200	3.41	102	15300	3.41	106	14400	3.39	111	13400	3.36	115
0524RL	-15	34800	5.01	102	33500	5.11	106	32200	5.19	111	30800	5.28	115	29500	5.35	120	28200	5.42	124
	-20	31100	4.69	100	29900	4.78	104	28700	4.86	109	27500	4.93	113	26400	4.99	118	25200	5.05	123
	-25	27700	4.39	98	26600	4.46	102	25500	4.53	107	24500	4.59	112	23400	4.65	116	22400	4.69	121
	COMPR. MODEL 2DB-0600	-30	24500	4.09	96	23500	4.16	101	22600	4.21	105	21600	4.26	110	20700	4.30	115	19700	4.34
	-35	21600	3.81	94	20700	3.86	99	19900	3.90	104	19000	3.94	108	18100	3.97	113	17200	3.99	118
	-40	18900	3.53	93	18100	3.57	98	17300	3.60	102	16500	3.62	107	15700	3.64	112	14800	3.65	116
0604RL	-15	39600	5.76	100	38100	5.86	105	36600	5.95	110	35000	6.04	114	33500	6.11	119	31900	6.17	123
	-20	35100	5.37	98	33800	5.45	103	32400	5.52	108	31000	5.58	112	29500	5.64	117	28100	5.68	121
	-25	31000	4.99	97	29700	5.05	101	28500	5.10	106	27200	5.14	110	25900	5.18	115	24500	5.20	120
	COMPR. MODEL 3DA-0600	-30	27200	4.62	95	26000	4.66	100	24800	4.69	104	23600	4.72	109	22400	4.73	113	21200	4.73
	-35	23600	4.26	93	22600	4.28	98	21500	4.30	103	20400	4.30	107	19200	4.30	112	18100	4.29	116
	-40	20400	3.91	92	19400	3.92	96	18400	3.92	101	17300	3.90	106	16300	3.88	110	15200	3.85	115
0734RL	-15	47000	6.92	103	45300	7.06	107	43600	7.19	112	41900	7.31	116	40200	7.43	121	38500	7.53	126
	-20	42000	6.46	100	40400	6.58	105	38900	6.69	110	37300	6.79	114	35800	6.89	119	34200	6.98	124
	-25	37300	6.02	98	35900	6.11	103	34400	6.21	108	33000	6.29	112	31600	6.37	117	30200	6.44	122
	COMPR. MODEL 3DB-0750	-30	32900	5.58	97	31600	5.66	101	30300	5.74	106	29000	5.80	111	27700	5.86	115	26500	5.91
	-35	28800	5.16	95	27600	5.22	100	26500	5.28	104	25300	5.33	109	24100	5.37	114	23000	5.41	118
	-40	25000	4.76	93	24000	4.80	98	22900	4.84	103	21800	4.87	107	20800	4.90	112	19700	4.92	117
0934RL	-15	55900	8.31	102	53800	8.47	107	51700	8.63	111	49700	8.77	116	47600	8.90	120	45500	9.03	125
	-20	50000	7.75	100	48100	7.89	105	46300	8.02	109	44400	8.14	114	42500	8.25	118	40600	8.35	123
	-25	44500	7.20	98	42800	7.32	103	41100	7.42	107	39400	7.52	112	37700	7.61	117	36000	7.69	121
	COMPR. MODEL 3DF-0900	-30	39400	6.66	96	37900	6.76	101	36300	6.85	106	34800	6.92	110	33300	6.99	115	31700	7.05
	-35	34700	6.14	94	33300	6.22	99	31900	6.28	104	30500	6.34	109	29100	6.39	113	27700	6.43	118
	-40	30400	5.63	93	29100	5.69	98	27800	5.74	102	26500	5.78	107	25200	5.81	112	23900	5.84	116
1064RL	-15	62800	9.38	101	60600	9.57	106	58300	9.74	111	56000	9.91	115	53800	10.07	120	51500	10.22	124
	-20	56100	8.73	99	54000	8.89	104	51900	9.04	109	49900	9.18	113	47800	9.32	118	45800	9.44	123
	-25	49700	8.10	97	47800	8.23	102	46000	8.36	107	44100	8.47	111	42200	8.58	116	40400	8.68	121
	COMPR. MODEL 3DS-1000	-30	43800	7.48	96	42100	7.59	100	40400	7.69	105	38700	7.78	110	37000	7.86	114	35400	7.94
	-35	38400	6.87	94	36800	6.96	99	35300	7.03	103	33800	7.10	108	32200	7.16	113	30700	7.21	118
	-40	33300	6.28	92	31900	6.34	97	30500	6.39	102	29100	6.44	107	27700	6.48	111	26300	6.51	116

Capacity data is based on 65° suction gas temperature and 10° F liquid sub-cooling at the refrigerator's tubing entrance. Net capacity will be increased by 6% for each additional 10° of liquid sub-cooling. Use of a liquid suction heat exchanger installed at the refrigerator's tubing outlet is recommended.

## HOCA AIR-COOLED CONDENSING UNITS — Outdoor COPELAND DISCUS COMPRESSORS

### R502 LOW TEMPERATURE (Continued)

Condensing Unit Model (HOCA)	Sat. Suct. Temp. (°F)	80° Ambient			85° Ambient			90° Ambient			95° Ambient			100° Ambient			105° Ambient		
		Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)
1314RL  COMPR. MODEL 4DA-1000	-15	69200	10.53	102	66500	10.75	107	63800	10.97	111	61100	11.19	116	58500	11.41	120	55800	11.63	125
	-20	61800	9.76	100	59300	9.94	104	56900	10.12	109	54400	10.30	114	52000	10.48	118	49500	10.66	123
	-25	54900	9.02	98	52600	9.16	102	50400	9.30	107	48100	9.44	112	45900	9.58	116	43600	9.72	121
	-30	48400	8.32	96	46300	8.42	101	44300	8.52	105	42200	8.62	110	40200	8.72	115	38100	8.82	119
	-35	42300	7.67	94	40500	7.73	99	38600	7.79	104	36700	7.85	108	34800	7.91	113	33000	7.97	118
-40	36700	7.06	93	35000	7.09	97	33300	7.11	102	31600	7.13	107	29900	7.15	111	28200	7.18	116	
1524RL  COMPR. MODEL 4DL-1500	-15	83500	12.87	101	80300	13.10	106	77100	13.33	110	73900	13.56	115	70700	13.79	120	67500	14.02	124
	-20	74500	11.90	99	71600	12.08	104	68600	12.27	108	65700	12.45	113	62800	12.64	118	59900	12.83	122
	-25	66100	10.97	97	63400	11.12	102	60800	11.26	107	58100	11.40	111	55400	11.54	116	52700	11.69	121
	-30	58400	10.11	95	55900	10.21	100	53400	10.31	105	51000	10.41	109	48500	10.51	114	46100	10.61	119
	-35	51100	9.31	94	48900	9.37	99	46600	9.43	103	44400	9.49	108	42200	9.54	113	39900	9.60	117
-40	44500	8.58	92	42400	8.60	97	40400	8.61	102	38300	8.63	106	36300	8.65	111	34200	8.66	116	
2214RL  COMPR. MODEL 4DT-2200	-15	100000	15.96	103	96800	16.27	107	93200	16.58	112	89500	16.89	117	85800	17.20	121	82100	17.51	126
	-20	90600	14.95	101	87200	15.22	105	83900	15.48	110	80500	15.75	115	77100	16.01	119	73700	16.28	124
	-25	81400	14.00	99	78300	14.22	104	75100	14.44	108	72000	14.66	113	68900	14.88	118	65700	15.10	122
	-30	72800	13.11	97	69900	13.29	102	67000	13.46	107	64100	13.63	111	61200	13.80	116	58300	13.98	121
	-35	64700	12.29	96	62100	12.42	100	59400	12.55	105	56800	12.67	110	54100	12.80	114	51500	12.93	119
-40	57300	11.54	94	54900	11.62	99	52400	11.70	104	49900	11.79	108	47500	11.87	113	45000	11.95	118	
2714RL  COMPR. MODEL 6DL-2700	-15	129000	20.24	102	124000	20.44	107	119000	20.61	111	113000	20.76	116	107000	20.89	120	101000	20.99	124
	-20	116000	18.79	100	111000	18.93	105	106000	19.04	109	101000	19.12	114	95800	19.18	118	90400	19.21	122
	-25	103000	17.38	98	98600	17.46	103	94100	17.50	107	89500	17.52	112	84600	17.51	116	79700	17.46	121
	-30	91000	16.01	96	87000	16.03	101	82800	16.01	105	78500	15.96	110	74100	15.87	114	69400	15.76	119
	-35	79800	14.68	95	76100	14.63	99	72200	14.55	104	68200	14.43	108	64100	14.28	113	59800	14.09	117
-40	69500	13.38	93	66000	13.27	97	62400	13.13	102	58600	12.94	107	54700	12.72	111	50700	12.45	115	
3024RL  COMPR. MODEL 6DT-3000	-15	145000	24.40	104	138000	24.62	109	131000	24.81	113	124000	24.98	117	117000	25.11	122	110000	25.22	126
	-20	130000	22.53	102	124000	22.74	107	118000	22.91	111	111000	23.05	115	105000	23.16	120	98500	23.24	124
	-25	115000	20.73	100	110000	20.91	104	104000	21.06	109	99000	21.18	113	93400	21.26	118	87700	21.31	122
	-30	101000	18.99	98	96600	19.15	102	92000	19.28	107	87300	19.37	111	82500	19.42	116	77500	19.44	120
	-35	88300	17.33	96	84400	17.46	100	80500	17.56	105	76500	17.61	110	72300	17.63	114	68000	17.61	119
-40	76600	15.74	94	73300	15.84	99	70000	15.90	103	66600	15.92	108	63000	15.89	113	59400	15.83	117	

Capacity data is based on 65° suction gas temperature and 10° F liquid sub-cooling at the refrigerator's tubing entrance. Net capacity will be increased by 6% for each additional 10° of liquid sub-cooling. Use of a liquid suction heat exchanger installed at the refrigerator's tubing outlet is recommended.

## HOCA AIR-COOLED CONDENSING UNITS — Outdoor COPELAND DISCUS COMPRESSORS

### R12 MEDIUM TEMPERATURE

Condensing Unit Model (HOCA)	Sat. Suct. Temp. (°F)	80° Ambient			85° Ambient			90° Ambient			95° Ambient			100° Ambient			105° Ambient		
		Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)
0444FS COMPR. MODEL 2DF-0300	25	36700	3.32	110	35500	3.42	115	34300	3.51	119	33100	3.59	124	31900	3.67	128	30700	3.75	132
	20	33300	3.16	108	32200	3.24	112	31100	3.32	117	30000	3.40	121	28900	3.47	126	27900	3.54	130
	15	30100	2.99	105	29100	3.07	110	28100	3.14	114	27100	3.21	119	26100	3.28	124	25200	3.34	128
	10	27000	2.83	103	26100	2.90	108	25300	2.96	112	24400	3.03	117	23500	3.09	121	22600	3.15	126
	5	24100	2.67	101	23300	2.73	106	22600	2.79	110	21800	2.85	115	21000	2.90	119	20200	2.96	124
0	21400	2.51	99	20700	2.57	104	20000	2.62	108	19300	2.67	113	18600	2.73	118	17900	2.77	122	
0504FS COMPR. MODEL 2DA-0500	25	47500	4.12	106	46000	4.25	110	44500	4.37	115	43000	4.49	119	41500	4.60	124	40000	4.70	128
	20	43100	3.92	104	41700	4.04	108	40300	4.15	113	38900	4.26	117	37600	4.36	122	36200	4.46	127
	15	38800	3.72	102	37600	3.83	106	36400	3.94	111	35100	4.03	115	33900	4.13	120	32700	4.22	125
	10	34900	3.53	100	33800	3.63	104	32700	3.72	109	31600	3.81	114	30500	3.90	118	29400	3.98	123
	5	31200	3.34	98	30200	3.43	103	29200	3.51	107	28200	3.59	112	27200	3.67	117	26300	3.75	121
0	27800	3.16	96	26900	3.24	101	26000	3.31	106	25100	3.38	110	24200	3.46	115	23300	3.52	120	
0534FS COMPR. MODEL 2DB-0500	25	50500	4.45	107	48900	4.59	112	47300	4.72	117	45800	4.85	121	44200	4.97	126	42500	5.08	130
	20	45800	4.23	105	44400	4.36	110	42900	4.48	114	41500	4.59	119	40000	4.70	123	38500	4.80	128
	15	41400	4.01	103	40100	4.13	108	38700	4.24	112	37400	4.34	117	36100	4.44	121	34800	4.53	126
	10	37200	3.80	101	36000	3.91	106	34800	4.01	110	33600	4.10	115	32400	4.19	120	31200	4.27	124
	5	33300	3.59	99	32200	3.69	104	31200	3.78	108	30100	3.86	113	29000	3.94	118	28000	4.01	123
0	29700	3.39	97	28800	3.47	102	27800	3.55	107	26900	3.63	111	25900	3.70	116	25000	3.76	121	
0544FS COMPR. MODEL 3DA-0500	25	56400	5.06	106	54700	5.22	110	53000	5.38	115	51300	5.54	119	49700	5.69	124	48100	5.85	129
	20	51000	4.83	103	49400	4.97	108	47800	5.12	113	46300	5.26	117	44800	5.41	122	43400	5.55	127
	15	45800	4.59	101	44400	4.73	106	43000	4.86	111	41600	4.99	115	40300	5.12	120	39100	5.25	125
	10	41000	4.36	99	39700	4.49	104	38500	4.61	109	37300	4.72	114	36100	4.84	118	35000	4.95	123
	5	36400	4.13	98	35300	4.24	102	34200	4.36	107	33200	4.46	112	32200	4.56	117	31200	4.66	121
0	32300	3.91	96	31300	4.01	101	30300	4.11	106	29400	4.20	110	28500	4.29	115	27600	4.37	120	
0744FS COMPR. MODEL 3DB-0750	25	66800	6.02	108	64700	6.20	113	62600	6.39	117	60600	6.56	122	58600	6.74	126	56700	6.90	131
	20	60600	5.73	106	58700	5.90	110	56800	6.07	115	55000	6.23	120	53300	6.39	124	51600	6.55	129
	15	54800	5.43	104	53100	5.58	108	51400	5.74	113	49700	5.89	118	48200	6.04	122	46600	6.19	127
	10	49300	5.12	102	47700	5.27	106	46200	5.41	111	44700	5.56	116	43300	5.70	120	41900	5.84	125
	5	44100	4.82	100	42700	4.95	104	41300	5.09	109	40000	5.22	114	38700	5.35	118	37500	5.48	123
0	39200	4.52	98	37900	4.64	102	36600	4.76	107	35400	4.88	112	34300	5.00	117	33200	5.13	121	
0944FS COMPR. MODEL 3DF-0900	25	78500	7.49	110	76100	7.68	114	73700	7.86	119	71400	8.04	123	69200	8.22	128	67000	8.38	132
	20	71500	7.13	107	69300	7.30	112	67100	7.47	116	65100	7.64	121	63000	7.80	126	61000	7.95	130
	15	64800	6.77	105	62800	6.93	110	60900	7.08	114	59000	7.23	119	57200	7.38	124	55400	7.52	128
	10	58600	6.41	103	56700	6.55	108	55000	6.69	112	53300	6.83	117	51600	6.96	122	50000	7.08	126
	5	52600	6.05	101	51000	6.17	106	49400	6.30	110	47800	6.42	115	46300	6.54	120	44800	6.66	124
0	47100	5.69	99	45600	5.80	104	44100	5.91	108	42700	6.02	113	41300	6.13	118	39900	6.23	123	
0914FS COMPR. MODEL 3DS-0750	25	88700	8.04	106	86200	8.31	111	83700	8.57	116	81200	8.82	120	78600	9.06	125	76100	9.30	130
	20	80700	7.66	104	78400	7.91	109	76100	8.14	114	73700	8.37	118	71400	8.59	123	69100	8.81	128
	15	73100	7.29	102	71000	7.51	107	68800	7.72	112	66700	7.93	116	64600	8.13	121	62500	8.33	126
	10	65900	6.91	100	64000	7.11	105	62000	7.31	110	60100	7.49	114	58200	7.67	119	56300	7.85	124
	5	59200	6.54	99	57400	6.72	103	55700	6.89	108	53900	7.06	113	52200	7.22	117	50400	7.37	122
0	52900	6.16	97	51300	6.32	102	49700	6.48	106	48100	6.62	111	46500	6.76	116	45000	6.90	121	
1344FS COMPR. MODEL 4DA-1000	25	99300	9.21	107	96200	9.50	112	93100	9.79	117	89900	10.07	121	86800	10.36	126	83700	10.65	130
	20	90600	8.77	105	87700	9.03	110	84800	9.28	114	81900	9.54	119	79000	9.79	124	76100	10.04	128
	15	82300	8.36	103	79700	8.58	108	77000	8.80	112	74300	9.03	117	71600	9.25	122	68900	9.47	126
	10	74500	7.98	101	72000	8.17	106	69500	8.36	111	67100	8.55	115	64600	8.74	120	62100	8.93	125
	5	67100	7.63	100	64800	7.79	104	62500	7.95	109	60200	8.11	114	57900	8.26	118	55600	8.42	123
0	60200	7.31	98	58000	7.44	103	55900	7.57	107	53800	7.70	112	51700	7.82	117	49600	7.95	121	
1544FS COMPR. MODEL 4DH-1500	25	126000	11.23	104	122000	11.62	109	118000	12.00	113	114000	12.39	118	110000	12.78	123	106000	13.17	127
	20	114000	10.72	102	111000	11.07	107	107000	11.41	112	104000	11.76	116	100000	12.10	121	96500	12.45	126
	15	103000	10.25	100	100000	10.55	105	96900	10.86	110	93600	11.16	114	90400	11.46	119	87100	11.77	124
	10	92900	9.81	99	89900	10.07	103	87000	10.33	108	84100	10.60	113	81100	10.86	118	78200	11.13	122
	5	82900	9.40	97	80300	9.63	102	77700	9.85	106	75000	10.08	111	72400	10.30	116	69800	10.53	121
0	73600	9.03	95	71200	9.22	100	68900	9.41	105	66500	9.59	110	64100	9.78	114	61800	9.97	119	
2024FS COMPR. MODEL 4DJ-2000	25	147000	14.99	109	142000	15.35	114	137000	15.72	118	132000	16.09	123	127000	16.46	127	122000	16.83	132
	20	134000	14.14	107	130000	14.47	111	125000	14.81	116	121000	15.14	120	116000	15.48	125	112000	15.81	130
	15	122000	13.55	105	118000	13.65	109	114000	13.95	114	110000	14.25	118	106000	14.55	123	102000	14.85	128
	10	111000	12.62	103	107000	12.89	107	104000	13.15	112	100000	13.42	117	96400	13.68	121	92800	13.95	126
	5	100000	11.95	101	97000	12.18	105	93900	12.41	110	90700	12.64	115	87600	12.87	119	84400	13.10	124
0	90300	11.34	99	87600	11.53	104	84900	11.73	108	82100	11.93	113	79400	12.12	118	76700	12.32	123	
2324FS COMPR. MODEL 6DH-2000	25	190000	17.92	107	185000	18.47	112	180000	19.01	116	174000	19.56	121	169000	20.11	126	164000	20.66	130
	20	173000	17.05	105	169000	17.53	110	164000	18.02	114	159000	18.50	119	154000	18.98	124	149000	19.47	128
	15	158000	16.24	103	153000	16.66	108	149000	17.08	112	144000	17.50	117	139000	17.92	122	134000	18.34	126
	10	143000	15.49	101	139000	15.85	106	134000	16.21	110	130000								

## HOCA AIR-COOLED CONDENSING UNITS — Outdoor COPELAND DISCUS COMPRESSORS

### R12 HIGH TEMPERATURE

Condensing Unit Model (HOCA)	Sat. Suct. Temp. (°F)	80° Ambient			85° Ambient			90° Ambient			95° Ambient			100° Ambient			105° Ambient		
		Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)
0444FS	45	51900	4.01	121	50200	4.14	125	48400	4.26	130	46700	4.38	134	45000	4.49	138	—	4.38	140
	40	47900	3.84	118	46300	3.96	123	44700	4.07	127	43100	4.18	131	41500	4.28	135	39900	4.38	140
	35	44000	3.67	116	42500	3.78	120	41100	3.88	124	39600	3.98	129	38200	4.08	133	36700	4.17	137
COMPR. MODEL	30	40300	3.49	113	39000	3.60	117	37600	3.69	122	36300	3.79	126	35000	3.87	130	33700	3.95	135
2DF-0300	25	36700	3.32	110	35500	3.42	115	34300	3.51	119	33100	3.59	124	31900	3.67	128	30700	3.75	132
	20	33300	3.16	108	32200	3.24	112	31100	3.32	117	30000	3.40	121	28900	3.47	126	27900	3.54	130
0504FS	45	67900	4.92	115	65700	5.09	120	63500	5.26	124	61300	5.42	128	59100	5.57	133	56900	5.72	137
	40	62500	4.71	113	60400	4.88	117	58400	5.03	122	56400	5.18	126	54400	5.33	130	52400	5.46	135
	35	57300	4.51	110	55400	4.66	115	53500	4.81	119	51700	4.95	124	49900	5.08	128	48100	5.21	133
COMPR. MODEL	30	52300	4.31	108	50600	4.46	113	48900	4.59	117	47200	4.72	121	45600	4.84	126	43900	4.96	130
2DA-0500	25	47500	4.12	106	46000	4.25	110	44500	4.37	115	43000	4.49	119	41500	4.60	124	40000	4.70	128
	20	43100	3.92	104	41700	4.04	108	40300	4.15	113	38900	4.26	117	37600	4.36	122	36200	4.46	127
0744FS	45	94400	7.15	118	91400	7.39	123	88400	7.62	127	85500	7.84	131	82600	8.06	136	79800	8.26	140
	40	87100	6.88	116	84300	7.10	120	81600	7.32	124	78900	7.53	129	76300	7.74	133	73700	7.93	138
	35	80000	6.59	113	77400	6.81	117	75000	7.02	122	72500	7.22	126	70100	7.41	131	67800	7.60	135
COMPR. MODEL	30	73200	6.31	111	70900	6.51	115	68600	6.70	119	66400	6.89	124	64300	7.07	129	62200	7.25	133
3DB-0750	25	66800	6.02	108	64700	6.20	113	62600	6.39	117	60600	6.56	122	58600	6.74	126	56700	6.90	131
	20	60600	5.73	106	58700	5.90	110	56800	6.07	115	55000	6.23	120	53300	6.39	124	51600	6.55	129
0944FS	45	110000	8.89	120	107000	9.15	124	103000	9.39	129	100000	9.63	133	96700	9.86	137	—	6.55	129
	40	102000	8.54	117	98500	8.78	122	95500	9.02	126	92400	9.24	130	89400	9.45	135	86500	9.66	139
	35	93600	8.19	115	90700	8.42	119	87900	8.64	124	85100	8.85	128	82400	9.04	132	79700	9.24	137
COMPR. MODEL	30	85800	7.84	112	83200	8.05	117	80700	8.25	121	78100	8.45	126	75700	8.63	130	73200	8.81	135
3DF-0900	25	78500	7.49	110	76100	7.68	114	73700	7.86	119	71400	8.04	123	69200	8.22	128	67000	8.38	132
	20	71500	7.13	107	69300	7.30	112	67100	7.47	116	65100	7.64	121	63000	7.80	126	61000	7.95	130
1344FS	45	138000	11.16	117	134000	11.57	121	130000	11.98	126	126000	12.39	130	122000	12.80	135	118000	13.22	139
	40	128000	10.66	114	124000	11.04	119	120000	11.43	123	116000	11.81	128	112000	12.19	132	109000	12.57	137
	35	118000	10.16	112	114000	10.51	117	111000	10.87	121	107000	11.22	126	104000	11.57	130	99900	11.92	135
COMPR. MODEL	30	108000	9.68	110	105000	10.00	114	102000	10.32	119	98300	10.64	123	95000	10.96	128	91600	11.28	132
4DA-1000	25	99300	9.21	107	96200	9.50	112	93100	9.79	117	89900	10.07	121	86800	10.36	126	83700	10.65	130
	20	90600	8.77	105	87700	9.03	110	84800	9.28	114	81900	9.54	119	79000	9.79	124	76100	10.04	128
1544FS	45	178000	13.50	113	172000	14.04	117	166000	14.58	122	161000	15.12	126	155000	15.66	131	150000	16.20	135
	40	164000	12.91	111	159000	13.42	115	154000	13.92	120	149000	14.43	124	143000	14.93	129	138000	15.44	133
	35	151000	12.33	108	146000	12.80	113	141000	13.27	118	137000	13.74	122	132000	14.20	127	127000	14.67	131
COMPR. MODEL	30	138000	11.77	106	134000	12.20	111	130000	12.63	115	125000	13.05	120	121000	13.48	125	117000	13.91	129
4DH-1500	25	126000	11.23	104	122000	11.62	109	118000	12.00	113	114000	12.39	118	110000	12.78	123	106000	13.17	127
	20	114000	10.72	102	111000	11.07	107	107000	11.41	112	104000	11.76	116	100000	12.10	121	96500	12.45	126
2024FS	45	209000	18.89	120	202000	19.38	125	195000	19.87	129	189000	20.36	133	182000	20.86	137	—	12.45	126
	40	192000	17.85	117	185000	18.31	122	179000	18.78	126	173000	19.24	130	166000	19.71	135	160000	20.17	139
	35	176000	16.84	114	170000	17.28	119	164000	17.71	123	158000	18.15	128	152000	18.58	132	146000	19.01	136
COMPR. MODEL	30	161000	15.89	112	155000	16.29	116	150000	16.69	121	145000	17.09	125	139000	17.50	129	134000	17.90	134
4DJ-2000	25	147000	14.99	109	142000	15.35	114	137000	15.72	118	132000	16.09	123	127000	16.46	127	122000	16.83	132
	20	134000	14.14	107	130000	14.47	111	125000	14.81	116	121000	15.14	120	116000	15.48	125	112000	15.81	130
2324FS	45	264000	21.84	116	258000	22.64	121	251000	23.44	126	245000	24.25	130	239000	25.05	135	233000	25.85	140
	40	244000	20.82	114	238000	21.56	119	232000	22.30	123	226000	23.04	128	220000	23.78	132	214000	24.52	137
	35	225000	19.81	111	220000	20.49	116	214000	21.17	121	208000	21.85	125	203000	22.53	130	197000	23.20	135
COMPR. MODEL	30	207000	18.84	109	202000	19.45	114	196000	20.07	119	191000	20.68	123	186000	21.30	128	180000	21.91	133
6DH-2000	25	190000	17.92	107	185000	18.47	112	180000	19.01	116	174000	19.56	121	169000	20.11	126	164000	20.66	130
	20	173000	17.05	105	169000	17.53	110	164000	18.02	114	159000	18.50	119	154000	18.98	124	149000	19.47	128

Capacity data is based on 65° suction gas temperature and 10° F liquid sub-cooling at the refrigerator's tubing entrance. Net capacity will be increased by 4% for each additional 10° of liquid sub-cooling. Use of a liquid suction heat exchanger installed at the refrigerator's tubing outlet is recommended.

## HOCA AIR-COOLED CONDENSING UNITS — Outdoor COPELAND DISCUS COMPRESSORS

### R22 MEDIUM AND HIGH TEMPERATURE

Condensing Unit Model (HOCA)	Sat. Suct. Temp. (°F)	80° Ambient			85° Ambient			90° Ambient			95° Ambient			100° Ambient			105° Ambient		
		Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)
0484VH	45	68200	4.59	115	66000	4.78	119	63700	4.96	124	61500	5.14	128	59200	5.30	132	56900	5.46	137
	40	62500	4.41	112	60400	4.58	117	58300	4.75	121	56200	4.90	126	54100	5.06	130	52000	5.20	134
	35	57000	4.23	110	55100	4.38	114	53100	4.53	119	51200	4.67	123	49200	4.81	127	47300	4.93	132
	30	51800	4.04	107	50000	4.18	112	48200	4.31	116	46400	4.44	121	44600	4.56	125	42800	4.67	130
	25	46900	3.85	105	45200	3.98	110	43600	4.09	114	41900	4.20	119	40200	4.31	123	38600	4.40	127
COMPR. MODEL	20	42200	3.67	103	40700	3.77	107	39100	3.87	112	37600	3.97	116	36000	4.05	121	34500	4.14	125
	15	37900	3.48	101	36400	3.57	105	35000	3.65	110	33500	3.73	114	32100	3.80	119	30600	3.87	123
2DC-0500	10	33700	3.28	99	32400	3.36	103	31000	3.43	108	29700	3.49	112	28300	3.55	117	27000	3.60	121
0494VH	45	79500	5.28	114	77000	5.51	118	74400	5.73	123	71800	5.94	127	69200	6.15	131	66600	6.35	136
	40	72900	5.07	111	70500	5.28	116	68100	5.48	120	65700	5.68	125	63300	5.86	129	60900	6.04	133
	35	66600	4.86	109	64400	5.05	113	62100	5.23	118	59900	5.41	122	57700	5.58	127	55500	5.74	131
	30	60500	4.65	107	58500	4.82	111	56500	4.98	116	54400	5.14	120	52400	5.29	125	50400	5.44	129
	25	54900	4.43	104	53000	4.59	109	51100	4.73	113	49200	4.87	118	47300	5.01	122	45500	5.13	127
COMPR. MODEL	20	49500	4.22	102	47800	4.36	107	46000	4.49	111	44300	4.61	116	42500	4.72	120	40800	4.83	125
	15	44400	4.01	100	42800	4.13	105	41200	4.24	109	39600	4.34	114	38000	4.44	119	36400	4.53	123
2DD-0500	10	39700	3.79	98	38200	3.89	103	36600	3.99	108	35100	4.08	112	33600	4.16	117	32200	4.23	121
0654VH	45	96100	6.92	119	93100	7.19	123	90000	7.46	127	86900	7.72	132	83800	7.96	136	—	7.81	138
	40	88400	6.62	116	85600	6.88	120	82800	7.12	124	79900	7.36	129	77000	7.59	133	74100	7.81	138
	35	81000	6.34	113	78400	6.57	118	75800	6.79	122	73200	7.01	126	70500	7.22	131	67900	7.42	135
	30	74000	6.05	110	71600	6.26	115	69200	6.47	119	66800	6.66	124	64400	6.85	128	61900	7.04	133
	25	67300	5.76	108	65100	5.95	113	62900	6.14	117	60700	6.31	122	58500	6.49	126	56200	6.65	130
COMPR. MODEL	20	60900	5.47	106	58900	5.64	110	56900	5.81	115	54900	5.96	119	52900	6.11	124	50800	6.26	128
	15	54900	5.17	103	53000	5.32	108	51200	5.47	113	49400	5.61	117	47500	5.74	122	45600	5.86	126
2DL-0750	10	49100	4.87	101	47500	5.00	106	45800	5.12	110	44100	5.24	115	42400	5.35	120	40600	5.46	124
0704VH	45	108000	7.93	118	104000	8.24	123	101000	8.55	127	97500	8.84	131	94000	9.13	136	—	8.97	138
	40	99500	7.60	116	96300	7.89	120	93100	8.17	125	90000	8.45	129	86700	8.71	133	83600	8.97	138
	35	91400	7.27	113	88500	7.54	118	85600	7.80	122	82600	8.05	126	79700	8.29	131	76700	8.52	135
	30	83600	6.95	111	80900	7.19	115	78300	7.43	120	75600	7.65	124	72800	7.87	128	70100	8.07	133
	25	76200	6.62	108	73700	6.84	113	71200	7.05	117	68700	7.25	122	66200	7.43	126	63600	7.61	131
COMPR. MODEL	20	69100	6.29	106	66800	6.48	110	64500	6.66	115	62100	6.83	119	59700	6.99	124	57300	7.14	128
	15	62300	5.95	104	60100	6.11	108	58000	6.26	113	55800	6.41	117	53500	6.54	122	51200	6.66	126
2DA-0750	10	55800	5.59	101	53800	5.73	106	51700	5.85	110	49600	5.97	115	47400	6.07	119	45200	6.16	124
0724VH	45	131000	9.40	117	127000	9.80	121	123000	10.18	126	119000	10.54	130	116000	10.89	135	112000	11.23	139
	40	121000	9.05	114	117000	9.41	119	114000	9.76	123	110000	10.10	128	106000	10.43	132	103000	10.74	137
	35	111000	8.69	112	108000	9.03	116	104000	9.35	121	101000	9.67	125	97800	9.97	130	94500	10.26	134
	30	102000	8.34	109	98600	8.65	114	95500	8.95	119	92500	9.23	123	89500	9.51	128	86500	9.78	132
	25	92800	7.99	107	90000	8.27	112	87100	8.54	116	84400	8.80	121	81600	9.06	126	78800	9.30	130
COMPR. MODEL	20	84300	7.63	105	81700	7.89	110	79200	8.14	114	76600	8.38	119	74100	8.61	123	71500	8.82	128
	15	76300	7.28	103	74000	7.51	108	71600	7.74	112	69200	7.95	117	66900	8.16	122	64600	8.36	126
3DA-0750	10	68800	6.93	101	66600	7.14	106	64400	7.34	110	62300	7.53	115	60100	7.71	120	58000	7.89	124
1024VH	45	152000	11.46	120	147000	11.93	124	143000	12.38	129	138000	12.82	133	133000	13.23	137	—	—	—
	40	140000	11.00	117	136000	11.43	122	132000	11.86	126	127000	12.26	131	123000	12.65	135	119000	13.03	139
	35	129000	10.54	115	125000	10.95	119	121000	11.34	124	117000	11.72	128	113000	12.07	132	110000	12.42	137
	30	119000	10.09	112	115000	10.47	117	111000	10.83	121	108000	11.17	126	104000	11.51	130	101000	11.82	135
	25	108000	9.65	110	105000	9.99	114	102000	10.32	119	98600	10.64	123	95300	10.94	128	91900	11.23	132
COMPR. MODEL	20	98900	9.21	107	95900	9.52	112	92900	9.82	117	89900	10.11	121	86800	10.38	126	83800	10.64	130
	15	89900	8.78	105	87200	9.06	110	84400	9.33	114	81600	9.59	119	78800	9.83	124	76000	10.06	128
3DB-1000	10	81500	8.35	103	78900	8.61	108	76400	8.85	112	73800	9.08	117	71200	9.29	122	68500	9.50	126

Capacity data is based on 65° suction gas temperature and 10° F liquid sub-cooling at the refrigerator's tubing entrance. Net capacity will be increased 4% for each additional 10° of liquid sub-cooling. Use of a liquid heat exchanger installed at the refrigerator's tubing outlet is recommended.

## HOCA AIR-COOLED CONDENSING UNITS — Outdoor COPELAND DISCUS COMPRESSORS

### R22 MEDIUM AND HIGH TEMPERATURE (Continued)

Condensing Unit Model (HOCA)	Sat. Suct. Temp. (°F)	80° Ambient			85° Ambient			90° Ambient			95° Ambient			100° Ambient			105° Ambient			
		Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	
1474VH  COMPR. MODEL 3DS-1500	45	204000	15.43	118	198000	16.04	122	192000	16.63	127	186000	17.21	131	180000	17.77	135	174000	18.31	140	
	40	188000	14.81	115	183000	15.39	120	177000	15.95	124	172000	16.50	129	166000	17.03	133	161000	17.54	138	
	35	173000	14.20	113	168000	14.74	117	163000	15.27	122	158000	15.78	126	153000	16.28	131	148000	16.77	135	
	30	159000	13.58	110	154000	14.09	115	150000	14.58	119	145000	15.06	124	141000	15.54	129	136000	15.99	133	
	25	145000	12.96	108	141000	13.43	113	137000	13.89	117	133000	14.34	122	129000	14.78	126	125000	15.22	131	
	20	132000	12.35	106	129000	12.78	110	125000	13.20	115	121000	13.62	120	117000	14.03	124	114000	14.44	129	
	15	120000	11.72	104	117000	12.12	108	113000	12.51	113	110000	12.90	118	106000	13.28	122	103000	13.66	127	
	10	108000	11.10	102	105000	11.46	106	102000	11.82	111	98800	12.18	116	95800	12.54	121	92900	12.90	125	
	1974VH  COMPR. MODEL 4DA-2000	45	232000	16.02	112	225000	16.82	117	219000	17.63	121	212000	18.43	126	206000	19.23	131	199000	20.03	135
		40	213000	15.29	110	207000	16.04	114	201000	16.79	119	195000	17.54	124	189000	18.28	128	183000	19.03	133
35		195000	14.57	107	189000	15.26	112	184000	15.96	117	178000	16.65	121	173000	17.34	126	167000	18.02	131	
30		177000	13.88	105	172000	14.51	110	167000	15.15	115	162000	15.78	119	157000	16.41	124	152000	17.04	129	
25		161000	13.23	103	156000	13.80	108	152000	14.37	113	147000	14.94	117	143000	15.51	122	138000	16.08	127	
20		145000	12.62	101	141000	13.13	106	137000	13.64	111	133000	14.14	115	129000	14.65	120	124000	15.16	125	
15		131000	12.05	99	127000	12.50	104	123000	12.95	109	119000	13.40	114	116000	13.84	118	112000	14.29	123	
10		117000	11.53	98	114000	11.92	102	110000	12.31	107	107000	12.70	112	103000	13.08	117	99700	13.47	121	
2514VH  COMPR. MODEL 4DH-2500		45	289000	22.93	119	280000	23.86	124	271000	24.78	128	262000	25.71	133	253000	26.64	137	—	—	—
		40	265000	21.71	116	257000	22.57	121	249000	23.44	125	241000	24.30	130	232000	25.16	134	224000	26.03	139
	35	242000	20.53	114	235000	21.32	118	227000	22.12	123	220000	22.91	127	212000	23.71	132	205000	24.50	136	
	30	220000	19.39	111	213000	20.12	115	207000	20.84	120	200000	21.57	124	193000	22.29	129	186000	23.02	134	
	25	199000	18.33	108	193000	18.99	113	187000	19.63	117	181000	20.28	122	174000	20.94	127	168000	21.59	131	
	20	179000	17.35	106	174000	17.93	110	168000	18.50	115	163000	19.08	120	157000	19.65	124	151000	20.23	129	
	15	160000	16.45	103	155000	16.95	108	150000	17.45	113	145000	17.95	117	140000	18.45	122	135000	18.95	127	
	10	142000	15.63	101	138000	16.05	106	133000	16.48	110	129000	16.91	115	124000	17.33	120	120000	17.76	124	

Capacity data is based on 85° suction gas temperature and 10° F liquid sub-cooling at the refrigerator's tubing entrance. Net capacity will be increased by 4% for each additional 10° of liquid sub-cooling. Use of a liquid heat exchanger installed at the refrigerator's tubing outlet is recommended.

**HUSSMANN®**

A Whitman Company

**HOCA AIR-COOLED CONDENSING UNITS — Outdoor  
COPELAND DISCUS COMPRESSORS****R502 MEDIUM TEMPERATURE**

Condensing Unit Model (HOCA)	Sat. Suct. Temp. (°F)	80° Ambient			85° Ambient			90° Ambient			95° Ambient			100° Ambient			105° Ambient		
		Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)
0484RS	25	49000	4.08	106	47000	4.21	110	45000	4.33	115	43000	4.44	119	41000	4.55	123	39100	4.65	128
	20	44600	3.91	104	42800	4.02	108	41000	4.13	113	39200	4.24	117	37400	4.34	122	35600	4.43	126
	15	40500	3.74	102	38800	3.84	106	37200	3.94	111	35500	4.03	115	33900	4.12	120	32300	4.21	124
COMPR. MODEL	10	36500	3.56	100	35000	3.65	105	33500	3.74	109	32000	3.83	114	30600	3.91	118	29100	3.98	123
	5	32800	3.38	98	31400	3.47	103	30100	3.54	107	28700	3.62	112	27400	3.69	117	26100	3.76	121
2DC-0500	0	29300	3.20	97	28000	3.28	101	26800	3.34	106	25600	3.41	110	24400	3.48	115	23300	3.54	120
0494RS	25	57300	4.75	105	54900	4.89	110	52600	5.02	114	50300	5.14	118	47900	5.26	123	45600	5.36	127
	20	52100	4.54	103	50000	4.67	108	47900	4.79	112	45700	4.90	116	43600	5.00	121	41500	5.10	125
	15	47200	4.33	101	45300	4.44	106	43400	4.56	110	41500	4.66	115	39600	4.75	119	37700	4.84	124
COMPR. MODEL	10	42600	4.11	99	40900	4.22	104	39200	4.32	109	37500	4.41	113	35800	4.50	118	34100	4.58	122
	5	38300	3.90	98	36800	4.00	102	35200	4.09	107	33700	4.17	111	32200	4.25	116	30700	4.32	121
2DD-0500	0	34400	3.69	96	33000	3.77	101	31600	3.86	105	30200	3.93	110	28800	4.01	115	27500	4.07	119
0654RS	25	69400	6.12	109	66600	6.30	113	63900	6.48	117	61200	6.64	122	58500	6.79	126	55900	6.94	130
	20	63400	5.83	107	60800	6.00	111	58300	6.15	115	55800	6.30	120	53300	6.44	124	50900	6.57	128
	15	57900	5.57	104	55500	5.72	109	53200	5.86	113	50900	5.99	118	48600	6.11	122	46400	6.23	127
COMPR. MODEL	10	52800	5.31	103	50600	5.45	107	48500	5.57	111	46300	5.69	116	44300	5.81	120	42300	5.91	125
	5	47900	5.05	101	45900	5.17	105	43900	5.29	110	42100	5.40	114	40200	5.51	119	38400	5.61	123
2DL-0750	0	43100	4.78	99	41300	4.89	103	39500	5.01	108	37900	5.11	113	36200	5.21	117	34600	5.31	122
0714RS	25	78900	7.03	109	75800	7.24	113	72700	7.43	118	69600	7.61	122	66500	7.79	126	63400	7.95	131
	20	72400	6.73	107	69500	6.92	111	66700	7.09	116	63800	7.26	120	61000	7.41	124	58200	7.56	129
	15	66200	6.44	105	63600	6.61	109	61000	6.76	114	58400	6.91	118	55800	7.05	123	53200	7.18	127
COMPR. MODEL	10	60300	6.14	103	58000	6.29	107	55600	6.43	112	53200	6.57	116	50900	6.69	121	48500	6.80	125
	5	54800	5.83	101	52600	5.97	106	50500	6.10	110	48300	6.22	115	46100	6.33	119	44000	6.43	124
2DA-0750	0	49400	5.52	99	47400	5.64	104	45500	5.76	108	43500	5.86	113	41600	5.96	118	39600	6.05	122
0724RS	25	95300	8.45	108	91800	8.71	112	88200	8.96	117	84800	9.20	121	81400	9.44	125	78100	9.67	130
	20	87300	8.10	106	84100	8.34	110	80900	8.57	115	77700	8.80	119	74700	9.01	124	71600	9.22	128
	15	79700	7.75	104	76800	7.97	108	73800	8.18	113	71000	8.38	117	68200	8.58	122	65500	8.77	126
COMPR. MODEL	10	72500	7.39	102	69800	7.59	106	67100	7.77	111	64600	7.96	116	62000	8.14	120	59600	8.32	125
	5	65600	7.03	100	63200	7.20	105	60800	7.37	109	58400	7.53	114	56100	7.69	119	53900	7.85	123
3DA-0750	0	59100	6.66	98	56900	6.81	103	54700	6.96	108	52600	7.10	112	50500	7.25	117	48500	7.40	122
1054RS	25	111000	10.21	110	107000	10.51	115	103000	10.81	119	98600	11.10	123	94500	11.37	128	90500	11.64	132
	20	102000	9.74	108	98000	10.02	112	94200	10.29	117	90500	10.56	121	86800	10.82	126	83200	11.07	130
	15	93200	9.26	106	89700	9.52	110	86200	9.77	115	82800	10.02	119	79500	10.25	124	76200	10.48	128
COMPR. MODEL	10	84900	8.77	104	81700	9.01	108	78500	9.24	113	75400	9.47	117	72400	9.69	122	69400	9.90	126
	5	77000	8.28	102	74100	8.50	106	71200	8.71	111	68400	8.91	116	65600	9.11	120	62900	9.31	125
3DB-1000	0	69500	7.79	100	66800	7.98	105	64200	8.17	109	61700	8.36	114	59200	8.54	118	56700	8.72	123
1474RS	25	150000	13.91	109	145000	14.34	113	139000	14.75	118	134000	15.16	122	128000	15.55	126	123000	15.92	131
	20	138000	13.30	107	133000	13.69	111	128000	14.07	116	123000	14.44	120	118000	14.80	125	113000	15.14	129
	15	126000	12.69	105	122000	13.04	109	117000	13.38	114	112000	13.72	118	108000	14.04	123	104000	14.35	127
COMPR. MODEL	10	115000	12.06	103	111000	12.38	107	107000	12.69	112	103000	12.99	116	98600	13.28	121	94600	13.56	126
	5	105000	11.43	101	101000	11.71	106	97000	11.99	110	93300	12.26	115	89600	12.52	119	86000	12.77	124
3DS-1500	0	94700	10.80	99	91200	11.04	104	87700	11.28	108	84300	11.52	113	81000	11.75	118	77700	11.98	122
1974RS	25	168000	14.70	104	162000	15.16	109	156000	15.63	113	151000	16.09	118	145000	16.56	122	139000	17.02	127
	20	153000	14.06	102	148000	14.50	107	143000	14.93	112	137000	15.37	116	132000	15.80	121	127000	16.24	125
	15	139000	13.41	101	135000	13.81	105	130000	14.21	110	125000	14.61	114	120000	15.02	119	115000	15.42	124
COMPR. MODEL	10	127000	12.75	99	122000	13.11	104	117000	13.48	108	113000	13.85	113	108000	14.21	117	104000	14.58	122
	5	114000	12.10	97	110000	12.43	102	106000	12.75	107	102000	13.08	111	97700	13.41	116	93500	13.74	121
4DA-2000	0	103000	11.46	96	99100	11.75	100	95200	12.04	105	91400	12.34	110	87600	12.63	115	83700	12.92	119

Capacity data is based on 65° suction gas temperature and 10° F liquid sub-cooling at the refrigerator's tubing entrance. Net capacity will be increased by 6% for each additional 10° of liquid sub-cooling. Use of a liquid heat exchanger installed at the refrigerator's tubing outlet is recommended.

## HOCA AIR-COOLED CONDENSING UNITS — Outdoor COPELAND DISCUS COMPRESSORS

### R502 MEDIUM TEMPERATURE (Continued)

Condensing Unit Model (HOCA)	Sat. Suct. Temp. (°F)	80° Ambient			85° Ambient			90° Ambient			95° Ambient			100° Ambient			105° Ambient		
		Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)	Capacity (btu/hr)	Comp. Power (kw)	Sat. Cond. Temp. (°F)
2514RS	25	210000	20.35	110	202000	20.90	114	194000	21.44	118	185000	21.98	123	177000	22.52	127	169000	23.06	131
	20	192000	19.37	107	185000	19.87	112	177000	20.38	116	169000	20.88	121	162000	21.38	125	154000	21.88	129
	15	175000	18.38	105	168000	18.84	110	161000	19.29	114	154000	19.75	119	147000	20.21	123	140000	20.66	127
COMPR. MODEL	10	159000	17.40	103	153000	17.81	108	146000	18.21	112	140000	18.62	117	134000	19.03	121	127000	19.44	126
	5	144000	16.44	101	138000	16.80	106	132000	17.16	110	127000	17.52	115	121000	17.88	119	115000	18.24	124
4DH-2500	0	129000	15.52	99	124000	15.83	104	119000	16.14	109	114000	16.44	113	109000	16.75	118	104000	17.06	122

Capacity data is based on 65° suction gas temperature and 10° F liquid sub-cooling at the refrigerator's tubing entrance. Net capacity will be increased by 4% for each additional 10° of liquid sub-cooling. Use of a liquid heat exchanger installed at the refrigerator's tubing outlet is recommended.



## ACCESSORY DATA — HOCA OUTDOOR COPELAND DISCUS UNITS

Unit Model HOCA Copeland Discus	Current Sensing Relay	*Suction Line Vibration Eliminator	Suction Line Vibration Eliminator	*Suction Line Filter	*Suction Line Accumulator	*Motor Contactor In Enclosure (208-230V)	Winter Control ALCO Valve (1)	Winter Control Sporian Valve (1)	Drier/Sightglass	Drier/Sightglass ALCO	Fan Cycling Pressure Control	*Liquid Line Solenoid	Liquid Line Solenoid	Liquid Line Solenoid ALCO	Oversize Receiver Kits (1)			*Drier/ Sightglass		Removable Core Drier Kits		Shipping Crate
															Receiver	Drier/ Sightglass	Drier/ Sightglass/ALCO	Standard Receiver	Oversize Receiver	Standard Receiver	Oversize Receiver	

\*Field Installed

### R12 MEDIUM TEMPERATURE — FS

0444	25DD	56DA	91EO	67DM	29DD	65DV	50EK	58ES	44EG	03FB	37FA	48DV	34ES	24FC	03EG	75EG	08FB	64ES	66ES	45EJ	46EJ	26EG
0504	25DD	56DA	91EO	67DM	29DD	65DV	50EK	58ES	44EG	03FB	14FA	48DV	34ES	24FC	03EG	75EG	08FB	64ES	65ES	45EJ	46EJ	26EG
0534	25DD	56DA	91EO	67DM	29DD	65DV	50EK	58ES	44EG	03FB	14FA	48DV	34ES	24FC	03EG	75EG	08FB	64ES	65ES	45EJ	46EJ	26EG
0544	25DD	56DA	93EO	67DM	29DD	65DV	51EK	58ES	44EG	03FB	14FA	48DV	34ES	24FC	04EG	46EG	06FB	64ES	65ES	46EJ	46EJ	26EG
0744	25DD	56DA	93EO	67DM	29DD	66DV	52EK	54FE	45EG	05FB	14FA	48DV	35ES	27FC	04EG	46EG	06FB	65ES	66ES	46EJ	46EJ	26EG
0914	25DD	56DA	93EO	67DM	29DD	66DV	52EK	55FE	45EG	05FB	14FA	48DV	35ES	27FC	04EG	46EG	06FB	65ES	66ES	46EJ	46EJ	26EG
0944	25DD	56DA	93EO	67DM	29DD	66DV	54EK	55FE	45EG	05FB	14FA	48DV	36ES	98FC	04EG	46EG	06FB	65ES	66ES	46EJ	46EJ	26EG
1344	—	57DA	95EO	68DM	96DC	67DV	54EK	61FE	45EG	05FB	14FA	49DV	36ES	98FC	04EG	46EG	06FB	62ES	63ES	46EJ	46EJ	26EG
1544	—	57DA	95EO	68DM	96DC	68DV	55EK	57FE	46EG	06FB	14FA	49DV	37ES	99FC	99EG	47EG	07FB	63ES	68ES	47EJ	47EJ	28EG
2024	—	58DA	96EO	69DM	50FC	68DV	55EK	81EK	46EG	06FB	41FA	49DV	37ES	99FC	99EG	47EG	07FB	63ES	68ES	47EJ	47EJ	28EG
2324	—	58DA	96EO	69DM	50FC	68DV	55EK	81EK	46EG	06FB	41FA	49DV	37ES	99FC	99EG	47EG	07FB	63ES	68ES	47EJ	47EJ	28EG

### R22 MEDIUM/HIGH TEMPERATURE — VS, VH

0484	25DD	56DA	91EO	67DM	29DD	66DV	62EK	58ES	44EG	03FB	14FA	48DV	34ES	24FC	03EG	75EG	08FB	65ES	66ES	45EJ	46EJ	26EG
0494	25DD	56DA	91EO	67DM	29DD	66DV	63EK	59ES	44EG	03FB	14FA	48DV	34ES	24FC	03EG	75EG	08FB	65ES	66ES	45EJ	46EJ	26EG
0654	25DD	56DA	93EO	67DM	29DD	66DV	64EK	60FE	45EG	05FB	14FA	48DV	35ES	27FC	04EG	46EG	06FB	65ES	66ES	46EJ	46EJ	26EG
0704	25DD	56DA	93EO	67DM	29DD	66DV	64EK	60FE	45EG	05FB	14FA	48DV	35ES	27FC	04EG	46EG	06FB	65ES	66ES	46EJ	46EJ	26EG
0724	25DD	56DA	93EO	67DM	29DD	66DV	65EK	55FE	45EG	05FB	14FA	48DV	35ES	27FC	04EG	46EG	06FB	65ES	66ES	46EJ	46EJ	26EG
1024	—	56DA	94EO	67DM	29DD	67DV	66EK	55FE	45EG	05FB	14FA	49DV	36ES	98FC	04EG	46EG	06FB	62ES	63ES	46EJ	46EJ	26EG
1474	—	57DA	94EO	68DM	96DC	68DV	68EK	57FE	46EG	06FB	14FA	49DV	37ES	99FC	99EG	47EG	07FB	63ES	68ES	47EJ	47EJ	28EG
1974	—	57DA	94EO	68DM	96DC	68DV	68EK	57FE	46EG	06FB	41FA	49DV	37ES	99FC	99EG	47EG	07FB	63ES	68ES	47EJ	47EJ	28EG
2514	—	58DA	96EO	69DM	50FC	69DV	69EK	95EK	46EG	06FB	41FA	49DV	37ES	99FC	99EG	47EG	07FB	63ES	68ES	47EJ	47EJ	28EG
2834	—	58DA	96EO	69DM	50FC	69DV	69EK	95EK	46EG	06FB	41FA	49DV	37ES	99FC	99EG	47EG	07FB	63ES	68ES	47EJ	47EJ	28EG

### R502 MEDIUM TEMPERATURE — RS

0484	25DD	56DA	91EO	67DM	29DD	66DV	62EK	58ES	44EG	03FB	14FA	48DV	34ES	24FC	03EG	75EG	08FB	65ES	66ES	45EJ	46EJ	26EG
0494	25DD	56DA	91EO	67DM	29DD	66DV	63EK	59ES	44EG	03FB	14FA	48DV	34ES	24FC	03EG	75EG	08FB	65ES	66ES	45EJ	46EJ	26EG
0654	25DD	56DA	93EO	67DM	29DD	66DV	64EK	60FE	45EG	05FB	14FA	48DV	35ES	27FC	04EG	46EG	06FB	65ES	66ES	46EJ	46EJ	26EG
0714	25DD	56DA	93EO	67DM	29DD	66DV	64EK	60FE	45EG	05FB	14FA	48DV	35ES	27FC	04EG	46EG	06FB	65ES	66ES	46EJ	46EJ	26EG
0724	25DD	56DA	93EO	67DM	29DD	66DV	65EK	55FE	45EG	05FB	14FA	48DV	35ES	27FC	04EG	46EG	06FB	65ES	66ES	46EJ	46EJ	26EG
1054	—	56DA	94EO	67DM	29DD	67DV	66EK	55FE	45EG	05FB	14FA	49DV	36ES	98FC	04EG	46EG	06FB	62ES	63ES	46EJ	46EJ	26EG
1474	—	57DA	94EO	68DM	96DC	68DV	68EK	57FE	46EG	06FB	14FA	49DV	37ES	99FC	99EG	47EG	07FB	63ES	68ES	47EJ	47EJ	28EG
1974	—	57DA	94EO	68DM	96DC	68DV	68EK	57FE	46EG	06FB	41FA	49DV	37ES	99FC	99EG	47EG	07FB	63ES	68ES	47EJ	47EJ	28EG
2514	—	58DA	96EO	69DM	50FC	69DV	69EK	95EK	46EG	06FB	41FA	49DV	37ES	99FC	99EG	47EG	07FB	63ES	68ES	47EJ	47EJ	28EG
2834	—	58DA	96EO	69DM	50FC	69DV	69EK	95EK	46EG	06FB	41FA	49DV	37ES	99FC	99EG	47EG	07FB	63ES	68ES	47EJ	47EJ	28EG

### R502 LOW TEMPERATURE — RL

0304	25DD	56DA	91EO	67DM	29DD	65DV	62EK	58ES	43EG	02FB	36FA	48DV	33ES	23FC	02EG	98EG	09FB	65ES	66ES	40EJ	41EJ	26EG
0404	25DD	56DA	91EO	67DM	29DD	65DV	62EK	58ES	44EG	03FB	07EE	48DV	34ES	24FC	03EG	75EG	08FB	64ES	65ES	45EJ	46EJ	26EG
0504	25DD	56DA	91EO	67DM	29DD	65DV	62EK	58ES	44EG	03FB	07EE	48DV	34ES	24FC	03EG	75EG	08FB	64ES	65ES	45EJ	46EJ	26EG
0524	25DD	56DA	91EO	67DM	29DD	65DV	62EK	58ES	44EG	03FB	07EE	48DV	34ES	24FC	03EG	75EG	08FB	64ES	65ES	45EJ	46EJ	26EG
0604	25DD	56DA	93EO	67DM	29DD	66DV	65EK	53FE	45EG	05FB	07EE	48DV	34ES	24FC	04EG	46EG	06FB	64ES	65ES	46EJ	46EJ	26EG
0734	25DD	56DA	93EO	67DM	29DD	66DV	65EK	54FE	45EG	05FB	07EE	48DV	35ES	27FC	04EG	46EG	06FB	65ES	66ES	46EJ	46EJ	26EG
0934	25DD	56DA	93EO	67DM	29DD	67DV	64EK	54FE	45EG	05FB	07EE	49DV	36ES	98FC	04EG	46EG	06FB	62ES	63ES	46EJ	46EJ	26EG
1064	—	56DA	94EO	67DM	29DD	67DV	66EK	55FE	45EG	05FB	07EE	49DV	36ES	98FC	04EG	46EG	06FB	62ES	63ES	46EJ	46EJ	26EG
1314	—	57DA	95EO	68DM	96DC	67DV	67EK	61FE	45EG	05FB	07EE	49DV	36EG	98FC	04EG	46EG	06FB	62ES	63ES	46EJ	46EJ	26EG
1524	—	57DA	96EO	68DM	96DC	68DV	68EK	57FE	46EG	06FB	07EE	49DV	37ES	99FC	99EG	47EG	07FB	63ES	68ES	47EJ	47EJ	28EG
2214	—	58DA	96EO	69DM	50FC	69DV	68EK	57FE	46EG	06FB	40FA	49DV	37ES	99FC	99EG	47EG	07FB	63ES	68ES	47EJ	47EJ	28EG
2714	—	58DA	96EO	69DM	50FC	69DV	69EK	95EK	46EG	06FB	40FA	49DV	37ES	99FC	99EG	47EG	07FB	63ES	68ES	47EJ	47EJ	28EG
3024	—	58DA	96EO	69DM	50FC	69DV	70EK	96EK	46EG	06FB	40FA	49DV	37ES	99FC	99EG	47EG	07FB	63ES	68ES	47EJ	47EJ	28EG

NOTE:

1. When winter control is selected, an oversize receiver must also be selected.