

Cooling Capacities
38QRF018 with 40NQ018

Temp (F) Air Entering Condenser (Edb)		Air Entering Evaporator - Cfm/BF											
		460/0.04				525/0.04				645/0.05			
		Air Entering Evaporator - Ewb (F)											
		57	62	67	72	57	62	67	72	57	62	67	72
55	TCG	16.9	17.9	19.3	20.4	17.1	18.2	19.6	20.5	17.5	18.6	19.8	20.7
	SHG	15.6	13.3	11.7	10.1	15.8	13.6	11.9	10.2	16.2	14.3	12.2	10.4
	TC	16.6	17.7	19.1	20.2	16.9	18.0	19.3	20.3	17.3	18.4	19.6	20.5
	kW	0.95	0.96	0.96	0.96	0.96	0.96	0.97	0.96	0.96	0.96	0.97	0.96
	CMP	0.77	0.78	0.78	0.78	0.77	0.78	0.78	0.78	0.78	0.78	0.79	0.78
	LDB	48.9	53.8	57.2	60.8	51.0	55.3	58.8	62.1	53.6	57.0	60.7	63.8
LWB	42.1	47.8	53.3	59.1	43.2	48.8	54.3	60.2	44.6	50.2	55.7	61.6	
65	TCG	16.4	17.5	18.8	20.3	16.8	17.7	19.2	20.5	17.3	18.1	19.6	20.8
	SHG	15.5	13.3	11.4	9.9	16.2	13.6	11.9	10.0	17.3	14.2	12.4	10.2
	TC	16.2	17.3	18.6	20.1	16.6	17.5	19.0	20.3	17.1	17.9	19.4	20.6
	kW	1.08	1.08	1.09	1.09	1.08	1.09	1.09	1.10	1.08	1.09	1.09	1.10
	CMP	0.89	0.90	0.91	0.91	0.89	0.90	0.90	0.91	0.89	0.90	0.90	0.91
	LDB	49.0	53.7	57.8	61.2	50.3	55.3	58.8	62.6	51.8	57.1	60.3	64.2
LWB	42.6	48.1	53.6	59.2	43.5	49.2	54.6	60.2	44.8	50.5	55.9	61.6	
75	TCG	15.8	17.1	18.4	19.9	16.2	17.3	18.7	20.2	16.8	17.6	19.0	20.5
	SHG	15.2	13.5	11.4	9.8	16.1	13.9	11.7	9.9	16.8	14.3	12.0	10.1
	TC	15.6	16.9	18.2	19.7	16.0	17.1	18.5	20.0	16.6	17.4	18.8	20.3
	kW	1.21	1.22	1.23	1.23	1.21	1.22	1.23	1.23	1.22	1.22	1.23	1.24
	CMP	1.02	1.03	1.04	1.05	1.03	1.03	1.04	1.05	1.03	1.04	1.04	1.05
	LDB	49.7	53.4	57.9	61.5	50.5	54.9	59.2	62.7	52.5	57.0	60.9	64.3
LWB	43.1	48.5	54.0	59.5	44.0	49.5	54.9	60.5	45.1	50.9	56.3	61.7	
85	TCG	15.1	16.3	17.8	19.3	15.6	16.6	18.1	19.6	16.2	17.0	18.4	20.0
	SHG	15.1	13.1	11.3	9.5	15.6	13.6	11.6	9.8	16.2	14.3	12.0	10.1
	TC	14.9	16.1	17.6	19.1	15.4	16.4	17.9	19.4	16.0	16.8	18.2	19.8
	kW	1.35	1.37	1.38	1.38	1.35	1.37	1.38	1.39	1.37	1.37	1.38	1.39
	CMP	1.16	1.18	1.19	1.20	1.17	1.18	1.19	1.20	1.18	1.19	1.19	1.20
	LDB	49.9	54.1	58.1	62.1	51.4	55.3	59.3	63.0	53.6	56.9	60.9	64.4
LWB	43.8	49.2	54.5	59.9	44.6	50.1	55.4	60.8	45.6	51.3	56.6	62.0	
95	TCG	14.5	15.4	17.1	18.6	14.9	15.7	17.4	18.9	15.5	16.0	17.6	19.2
	SHG	14.5	12.8	11.2	9.2	14.9	13.2	11.5	9.4	15.5	13.9	11.9	9.8
	TC	14.3	15.2	16.9	18.4	14.7	15.5	17.2	18.7	15.3	15.8	17.4	19.0
	kW	1.50	1.52	1.54	1.55	1.51	1.52	1.54	1.55	1.52	1.53	1.54	1.56
	CMP	1.32	1.33	1.35	1.36	1.32	1.34	1.36	1.37	1.33	1.34	1.36	1.37
	LDB	51.1	54.8	58.3	62.6	52.6	56.0	59.6	63.5	54.8	57.5	61.2	64.8
LWB	44.4	50.0	55.0	60.4	45.2	50.9	55.9	61.3	46.2	52.0	57.1	62.4	
105	TCG	13.8	14.5	16.1	17.7	14.2	14.7	16.3	18.0	14.7	15.1	16.7	18.3
	SHG	13.8	12.4	10.8	8.9	14.2	12.9	11.1	9.1	14.7	13.7	11.6	9.4
	TC	13.6	14.3	15.9	17.5	14.0	14.5	16.1	17.8	14.5	14.9	16.5	18.1
	kW	1.67	1.68	1.72	1.73	1.67	1.69	1.72	1.73	1.69	1.69	1.72	1.73
	CMP	1.48	1.50	1.53	1.54	1.49	1.50	1.54	1.54	1.50	1.51	1.54	1.55
	LDB	52.6	55.5	59.1	63.1	54.1	56.6	60.2	64.1	56.0	57.9	61.5	65.5
LWB	45.2	50.8	55.9	61.0	45.9	51.6	56.7	61.9	46.8	52.6	57.7	63.0	
115	TCG	13.0	13.4	15.0	16.8	13.4	13.7	15.2	17.0	13.9	14.1	15.5	17.3
	SHG	13.0	12.0	10.3	8.6	13.4	12.6	10.7	8.8	13.9	13.3	11.2	9.1
	TC	12.8	13.2	14.8	16.6	13.2	13.5	15.0	16.8	13.7	13.9	15.3	17.0
	kW	1.85	1.86	1.90	1.92	1.85	1.86	1.90	1.92	1.87	1.87	1.91	1.93
	CMP	1.66	1.67	1.71	1.74	1.67	1.68	1.71	1.74	1.68	1.69	1.72	1.74
	LDB	54.1	56.3	60.0	63.7	55.5	57.0	60.9	64.7	57.4	58.5	62.2	65.9
LWB	45.9	51.7	56.7	61.7	46.6	52.4	57.5	62.5	47.4	53.3	58.4	63.5	
125	TCG	12.1	12.4	13.8	15.5	12.4	12.6	14.0	15.8	12.9	13.0	14.2	16.1
	SHG	12.1	11.7	9.8	8.2	12.4	12.1	10.2	8.4	12.9	13.0	10.7	8.7
	TC	11.9	12.1	13.6	15.3	12.2	12.4	13.8	15.6	12.7	12.8	14.0	15.8
	kW	2.04	2.04	2.09	2.13	2.05	2.05	2.09	2.13	2.06	2.06	2.10	2.13
	CMP	1.85	1.86	1.90	1.94	1.86	1.87	1.91	1.94	1.87	1.87	1.91	1.94
	LDB	55.9	56.9	60.9	64.5	57.2	58.1	61.8	65.3	58.9	59.0	63.0	66.5
LWB	46.7	52.6	57.6	62.6	47.4	53.3	58.3	63.2	48.1	54.1	59.2	64.2	

Rating Condition

*Refer to Systems Index Table on page

Not recommended for long-term operation

NOTES:

1. Direct interpolation is permissible. Do not extrapolate.
2. The SHG is based on 80 F edb temperature of air entering indoor coil.
Below 80 F edb, subtract (corr factor x cfm) from SHG.
Above 80 F edb, add (corr factor x cfm) to SHG.
Correction Factor = 1.10 x (1 - BF) x (edb - 80).

LEGEND

BF - Bypass Factor
CMP - Compressor
Edb - Entering Dry Bulb
Ewb - Entering Wet Bulb
kW - Total Power
LDB - Leaving Dry Bulb
LWB - Leaving Wet Bulb
SHG - Gross Sensible Capacity (1000 Btu/hour)
TC - Total Net Cooling Capacity (1000 Btu/hour)
TCG - Gross Cooling Capacity (1000 Btu/hour)

Cooling Capacities
38QRF024 with 40NQ024

Temp (F) Air Entering Condenser (Edb)		Air Entering Evaporator - Cfm/BF											
		460/0.04				525/0.04				645/0.05			
		Air Entering Evaporator - Ewb (F)											
		57	62	67	72	57	62	67	72	57	62	67	72
55	TCG	21.3	22.3	23.5	25.0	21.6	22.6	23.6	24.8	22.1	23.3	24.6	25.0
	SHG	19.2	16.3	13.9	12.3	19.5	16.7	14.0	12.2	20.1	17.5	15.0	12.4
	TC	21.1	22.1	23.3	24.8	21.4	22.4	23.4	24.6	21.8	23.1	24.4	24.8
	KW	1.11	1.12	1.13	1.12	1.12	1.12	1.13	1.13	1.12	1.12	1.12	1.13
	CMP	0.93	0.93	0.95	0.94	0.93	0.93	0.95	0.95	0.93	0.93	0.94	0.94
	LDB	41.8	47.9	53.1	56.5	43.9	49.6	54.9	58.4	46.6	51.3	55.8	60.4
	LWB	37.4	43.6	49.7	55.7	38.8	44.9	51.1	57.2	40.5	46.4	52.3	58.8
65	TCG	19.6	21.8	23.5	25.5	20.2	22.4	23.7	25.4	21.7	22.8	24.8	25.3
	SHG	17.4	16.0	14.2	12.6	18.2	16.8	14.2	12.4	20.7	17.0	15.4	12.3
	TC	19.4	21.6	23.3	25.3	20.0	22.2	23.5	25.2	21.5	22.6	24.6	25.1
	KW	1.26	1.28	1.28	1.28	1.27	1.28	1.29	1.29	1.27	1.29	1.28	1.30
	CMP	1.08	1.09	1.09	1.09	1.08	1.09	1.10	1.10	1.08	1.10	1.09	1.11
	LDB	45.4	48.6	52.4	55.9	46.4	49.4	54.6	58.1	45.6	52.1	55.2	60.5
	LWB	39.2	44.1	49.7	55.3	40.2	45.1	51.0	56.8	40.9	46.8	52.2	58.6
75	TCG	19.1	21.2	22.3	24.7	19.6	22.2	23.6	25.4	20.2	22.4	24.1	25.7
	SHG	17.4	15.8	13.0	12.1	18.1	17.3	14.2	12.5	18.8	17.3	14.7	12.6
	TC	18.9	21.0	22.0	24.5	19.4	22.0	23.4	25.2	20.0	22.2	23.9	25.5
	KW	1.42	1.45	1.46	1.46	1.42	1.45	1.46	1.46	1.44	1.45	1.46	1.46
	CMP	1.23	1.27	1.27	1.27	1.24	1.26	1.28	1.27	1.25	1.27	1.28	1.28
	LDB	45.4	48.9	54.9	57.0	46.6	48.3	54.4	57.9	48.9	51.7	56.2	60.0
	LWB	39.8	44.7	50.8	55.9	40.8	45.3	51.1	56.8	42.1	47.1	52.7	58.4
85	TCG	18.5	20.1	22.8	24.3	18.9	20.6	23.0	24.7	19.5	21.8	23.5	25.4
	SHG	17.1	15.3	14.3	11.6	17.6	15.8	14.2	11.9	18.4	17.8	14.8	12.5
	TC	18.2	19.9	22.6	24.1	18.7	20.4	22.8	24.5	19.3	21.6	23.3	25.2
	KW	1.59	1.62	1.65	1.66	1.60	1.63	1.65	1.66	1.61	1.65	1.65	1.66
	CMP	1.40	1.44	1.46	1.47	1.41	1.44	1.47	1.47	1.43	1.46	1.47	1.47
	LDB	45.9	49.8	52.2	57.9	47.4	51.1	54.4	59.0	49.4	50.8	56.1	60.1
	LWB	40.4	45.7	50.3	56.2	41.5	46.7	51.6	57.3	42.7	47.5	53.0	58.6
95	TCG	17.7	19.3	21.9	23.6	18.2	19.7	22.1	24.1	18.9	20.2	22.4	24.7
	SHG	16.7	15.0	14.0	11.3	17.3	15.5	14.1	11.7	17.9	16.3	14.4	12.1
	TC	17.5	19.1	21.7	23.4	18.0	19.5	21.9	23.9	18.7	20.0	22.2	24.5
	KW	1.78	1.81	1.86	1.86	1.79	1.82	1.89	1.87	1.80	1.83	1.95	1.87
	CMP	1.59	1.63	1.68	1.68	1.60	1.64	1.71	1.68	1.62	1.65	1.77	1.68
	LDB	46.7	50.4	52.8	58.5	48.1	51.6	54.0	59.4	50.4	53.3	56.3	60.8
	LWB	41.2	46.5	51.1	56.8	42.1	47.5	52.1	57.7	43.2	48.7	53.6	59.0
105	TCG	16.9	18.3	20.2	22.7	17.3	18.6	21.2	23.1	17.5	19.1	21.8	23.5
	SHG	16.1	14.6	12.8	11.2	16.5	15.1	13.9	11.2	17.5	15.9	14.6	11.6
	TC	16.7	18.1	20.0	22.5	17.1	18.4	21.0	22.9	17.3	18.9	21.5	23.3
	KW	1.99	2.01	2.07	2.09	1.99	2.02	2.09	2.09	2.09	2.04	2.09	2.09
	CMP	1.80	1.83	1.88	1.91	1.81	1.84	1.90	1.91	1.90	1.85	1.91	1.91
	LDB	47.8	51.3	55.2	58.8	49.5	52.4	54.9	60.2	51.0	53.9	56.3	61.6
	LWB	42.0	47.4	52.5	57.4	42.9	48.4	53.0	58.4	44.4	49.6	54.2	59.7
115	TCG	15.8	17.2	19.1	21.8	16.2	17.5	19.4	22.0	16.9	17.9	20.5	22.2
	SHG	15.8	14.2	12.3	10.8	16.2	14.7	12.7	11.0	16.9	15.5	14.2	11.1
	TC	15.6	17.0	18.9	21.6	16.0	17.3	19.2	21.8	16.7	17.7	20.3	22.0
	KW	2.20	2.24	2.29	2.34	2.21	2.24	2.30	2.34	2.23	2.26	2.34	2.33
	CMP	2.02	2.05	2.11	2.15	2.03	2.06	2.12	2.15	2.04	2.07	2.15	2.15
	LDB	48.6	52.0	56.0	59.4	50.0	53.1	57.1	60.6	51.9	54.5	56.9	62.5
	LWB	43.2	48.4	53.5	58.1	43.9	49.3	54.3	59.2	44.8	50.4	55.1	60.5
125	TCG	14.8	15.9	17.8	20.4	15.2	16.2	18.1	20.8	16.0	16.6	18.5	21.0
	SHG	14.8	13.7	11.9	10.4	15.2	14.3	12.2	10.6	16.0	15.1	12.8	10.9
	TC	14.6	15.7	17.6	20.2	15.0	16.0	17.9	20.6	15.7	16.4	18.3	20.8
	KW	2.45	2.47	2.53	2.60	2.45	2.48	2.54	2.59	2.47	2.49	2.56	2.60
	CMP	2.26	2.28	2.34	2.42	2.27	2.29	2.36	2.41	2.28	2.31	2.37	2.41
	LDB	50.5	52.9	57.0	60.1	51.9	53.9	58.0	61.3	53.6	55.1	59.3	62.7
	LWB	44.1	49.6	54.5	59.2	44.8	50.4	55.3	60.0	45.6	51.4	56.4	61.2

Rating Condition

*Refer to Systems Index Table on page

Not recommended for long-term operation

NOTES:

- Direct interpolation is permissible. Do not extrapolate.
- The SHG is based on 80 F edb temperature of air entering indoor coil.
Below 80 F edb, subtract (corr factor x cfm) from SHG.
Above 80 F edb, add (corr factor x cfm) to SHG.
Correction Factor = 1.10 x (1 - BF) x (edb - 80).

LEGEND

BF - Bypass Factor
CMP - Compressor
Edb - Entering Dry Bulb
Ewb - Entering Wet Bulb
kW - Total Power
LDB - Leaving Dry Bulb
LWB - Leaving Wet Bulb
SHG - Gross Sensible Capacity (1000 Btu/hour)
TC - Total Net Cooling Capacity (1000 Btu/hour)
TCG - Gross Cooling Capacity (1000 Btu/hour)

Cooling Capacities
38QRF030 with 40NQ030

Temp (F) Air Entering Condenser (Edb)		Air Entering Evaporator - Cfm/BF											
		530/0.04				630/0.04				730/0.05			
		Air Entering Evaporator - Ewb (F)											
		57	62	67	72	57	62	67	72	57	62	67	72
55	TCG	25.9	26.7	27.4	28.3	26.2	27.0	27.7	28.5	26.7	27.3	28.1	28.9
	SHG	25.9	20.4	16.8	13.0	26.2	20.8	17.0	13.5	26.7	21.4	17.2	14.0
	TC	25.7	26.5	27.2	28.1	26.0	26.8	27.5	28.3	26.4	27.1	27.8	28.6
	kW	1.47	1.48	1.48	1.48	1.47	1.48	1.48	1.48	1.47	1.48	1.48	1.48
	CMP	1.27	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.29
	LDB	42.0	50.4	55.9	61.9	45.4	53.0	58.3	63.2	49.7	56.0	61.0	64.9
LWB	39.8	46.2	52.6	58.9	41.6	47.9	54.1	60.3	43.7	49.8	55.9	61.9	
65	TCG	26.0	27.1	28.0	28.9	26.5	27.5	28.3	29.1	27.2	27.9	28.6	29.5
	SHG	25.5	21.9	17.4	13.6	26.5	22.3	17.9	14.0	27.2	22.9	18.5	14.4
	TC	25.9	27.0	27.9	28.7	26.3	27.3	28.1	28.9	27.0	27.6	28.3	29.3
	kW	1.65	1.66	1.66	1.66	1.65	1.66	1.66	1.67	1.66	1.66	1.66	1.67
	CMP	1.46	1.46	1.47	1.47	1.46	1.46	1.47	1.47	1.46	1.46	1.47	1.47
	LDB	42.5	48.1	55.1	61.0	45.0	50.9	57.1	62.5	49.0	54.2	59.5	64.5
LWB	39.7	45.9	52.2	58.6	41.4	47.6	53.8	60.0	43.4	49.6	55.7	61.7	
75	TCG	25.2	26.8	27.9	28.9	26.1	27.2	28.3	29.2	27.0	27.7	28.6	29.6
	SHG	24.6	22.2	18.0	13.9	26.1	23.1	18.3	14.3	27.0	24.1	18.9	14.8
	TC	25.0	26.6	27.8	28.7	25.9	26.9	28.0	29.0	26.7	27.4	28.3	29.3
	kW	1.85	1.86	1.87	1.87	1.86	1.86	1.87	1.87	1.86	1.86	1.87	1.87
	CMP	1.66	1.66	1.67	1.67	1.66	1.67	1.67	1.68	1.66	1.67	1.67	1.68
	LDB	43.9	47.7	54.3	60.5	45.6	49.9	56.6	62.0	49.3	52.8	59.0	64.0
LWB	40.4	46.1	52.2	58.5	41.7	47.7	53.8	60.0	43.5	49.7	55.7	61.6	
85	TCG	24.0	25.8	27.7	28.8	25.0	26.5	28.0	29.0	26.4	27.1	28.4	29.3
	SHG	24.0	21.8	18.4	14.0	25.0	23.2	19.0	14.5	26.4	24.7	19.6	15.1
	TC	23.8	25.6	27.5	28.6	24.8	26.3	27.8	28.8	26.1	26.8	28.1	29.0
	kW	2.05	2.08	2.09	2.10	2.07	2.09	2.09	2.10	2.08	2.09	2.10	2.10
	CMP	1.86	1.89	1.90	1.90	1.88	1.89	1.90	1.90	1.89	1.89	1.90	1.91
	LDB	44.8	48.2	53.6	60.4	47.1	49.7	55.6	61.8	50.0	52.2	58.2	63.6
LWB	41.3	46.8	52.4	58.6	42.4	48.1	53.9	60.1	43.9	49.9	55.8	61.8	
95	TCG	22.9	24.4	27.0	28.4	23.9	25.0	27.3	28.7	25.2	25.6	27.3	29.0
	SHG	22.9	21.0	18.3	14.3	23.9	22.4	19.0	14.6	25.2	24.4	19.6	15.1
	TC	22.8	24.2	26.9	28.2	23.7	24.8	27.1	28.5	24.9	25.3	27.0	28.7
	kW	2.28	2.31	2.34	2.35	2.30	2.32	2.34	2.35	2.32	2.33	2.31	2.35
	CMP	2.08	2.11	2.14	2.15	2.10	2.12	2.15	2.16	2.13	2.13	2.12	2.16
	LDB	46.4	49.4	53.7	59.9	48.6	50.8	55.4	61.6	51.4	52.4	57.7	63.6
LWB	42.1	47.7	52.8	58.8	43.2	49.0	54.3	60.2	44.6	50.7	56.0	61.9	
105	TCG	21.7	22.8	25.4	27.7	22.6	23.3	26.1	28.0	23.3	24.0	26.8	27.7
	SHG	21.7	20.3	17.6	14.3	22.6	21.6	18.6	14.8	23.3	23.3	20.0	9.2
	TC	21.6	22.7	25.3	27.5	22.4	23.1	25.8	27.8	23.0	23.8	26.6	17.4
	kW	2.53	2.55	2.60	2.62	2.54	2.56	2.61	2.63	2.67	2.57	2.61	1.60
	CMP	2.33	2.35	2.41	2.43	2.35	2.36	2.42	2.43	2.47	2.37	2.42	1.40
	LDB	48.1	50.5	54.7	59.9	50.2	51.8	56.1	61.4	53.5	53.7	57.7	63.4
LWB	43.0	48.8	53.7	59.2	44.0	50.0	55.0	60.5	45.6	51.4	56.4	62.1	
115	TCG	20.4	21.0	23.6	26.5	21.3	21.6	24.2	26.8	22.4	22.5	24.8	27.2
	SHG	20.4	19.5	16.7	14.0	21.3	20.7	17.8	14.5	22.4	22.2	19.2	15.1
	TC	20.3	20.9	23.5	26.3	21.1	21.4	24.0	26.6	22.1	22.3	24.6	26.9
	kW	2.79	2.81	2.86	2.91	2.81	2.82	2.88	2.92	2.83	2.84	2.89	2.92
	CMP	2.60	2.61	2.67	2.72	2.61	2.62	2.68	2.72	2.64	2.64	2.70	2.72
	LDB	50.0	51.6	56.0	60.3	52.0	52.9	57.1	61.7	54.5	55.0	58.7	63.5
LWB	43.9	49.9	54.8	59.8	44.9	51.0	55.9	61.1	46.1	52.2	57.3	62.6	
125	TCG	19.0	19.2	21.6	24.4	19.8	19.9	22.1	25.0	20.8	21.0	22.7	25.5
	SHG	19.0	18.5	15.9	13.2	19.8	19.6	16.9	13.9	20.8	20.5	18.2	14.8
	TC	18.8	19.1	21.5	24.3	19.6	19.7	21.9	24.8	20.5	20.7	22.4	25.3
	kW	3.08	3.09	3.15	3.23	3.10	3.10	3.16	3.23	3.13	3.13	3.18	3.23
	CMP	2.89	2.89	2.95	3.03	2.91	2.91	2.96	3.03	2.93	2.93	2.98	3.04
	LDB	52.2	53.1	57.2	61.4	54.0	54.4	58.3	62.5	56.4	56.8	59.7	63.9
LWB	45.0	51.1	56.0	60.9	45.8	52.0	57.0	61.9	47.0	52.9	58.2	63.2	

Rating Condition

*Refer to Systems Index Table on page

Not recommended for long-term operation

NOTES:

1. Direct interpolation is permissible. Do not extrapolate.
2. The SHG is based on 80 F edb temperature of air entering indoor coil.
Below 80 F edb, subtract (corr factor x cfm) from SHG.
Above 80 F edb, add (corr factor x cfm) to SHG.
Correction Factor = 1.10 x (1 - BF) x (edb - 80).

LEGEND

BF - Bypass Factor
CMP - Compressor
Edb - Entering Dry Bulb
Ewb - Entering Wet Bulb
kW - Total Power
LDB - Leaving Dry Bulb
LWB - Leaving Wet Bulb
SHG - Gross Sensible Capacity (1000 Btu/hour)
TC - Total Net Cooling Capacity (1000 Btu/hour)
TCG - Gross Cooling Capacity (1000 Btu/hour)

Cooling Capacities
38QRF036 with 40NQ036

Temp (F) Air Entering Condenser (Edb)		Air Entering Evaporator - Cfm/BF											
		600/0.04				750/0.04				900/0.05			
		Air Entering Evaporator - Ewb (F)											
		57	62	67	72	57	62	67	72	57	62	67	72
55	TCG	31.0	32.5	33.5	34.6	31.4	32.8	33.8	34.8	32.0	33.2	34.1	35.2
	SHG	30.0	25.1	20.4	15.9	30.8	25.6	20.7	16.4	32.0	25.9	21.3	16.9
	TC	30.8	32.3	33.3	34.4	31.2	32.6	33.6	34.7	31.8	33.0	33.9	35.0
	kW	1.89	1.90	1.91	1.91	1.89	1.90	1.91	1.91	1.90	1.90	1.91	1.91
	CMP	1.56	1.57	1.58	1.58	1.57	1.58	1.58	1.59	1.57	1.58	1.58	1.59
	LDB	39.0	46.0	52.9	59.3	41.4	48.3	54.8	60.4	44.4	51.6	57.0	62.2
	LWB	37.5	43.6	50.2	56.7	39.1	45.3	51.7	58.1	41.1	47.3	53.6	59.8
65	TCG	30.2	32.5	34.0	35.1	31.1	32.9	34.2	35.3	32.1	33.3	34.5	35.6
	SHG	29.2	25.7	21.2	16.2	30.4	26.4	21.5	16.9	32.1	27.3	21.9	17.4
	TC	30.0	32.3	33.8	34.9	30.9	32.7	34.0	35.1	31.9	33.2	34.3	35.4
	kW	2.11	2.13	2.14	2.14	2.12	2.13	2.14	2.15	2.12	2.13	2.14	2.15
	CMP	1.79	1.80	1.81	1.82	1.79	1.80	1.81	1.82	1.80	1.81	1.82	1.82
	LDB	40.1	45.2	51.7	58.8	41.9	47.3	53.7	59.9	44.4	50.0	56.3	61.6
	LWB	38.0	43.6	49.9	56.5	39.3	45.2	51.5	57.9	41.1	47.2	53.4	59.6
75	TCG	29.2	31.8	33.6	35.1	30.1	32.3	34.0	35.4	31.6	32.8	34.5	35.7
	SHG	28.4	25.5	21.4	16.8	29.5	26.4	21.9	17.1	30.6	27.6	22.5	17.6
	TC	29.0	31.6	33.4	34.9	29.9	32.1	33.8	35.2	31.4	32.6	34.3	35.5
	kW	2.35	2.38	2.39	2.40	2.37	2.38	2.40	2.41	2.38	2.39	2.40	2.41
	CMP	2.03	2.06	2.07	2.08	2.04	2.06	2.07	2.08	2.05	2.06	2.07	2.08
	LDB	41.1	45.4	51.4	58.1	43.1	47.2	53.2	59.6	46.1	49.7	55.6	61.4
	LWB	38.8	44.1	50.1	56.4	40.0	45.6	51.6	57.8	41.4	47.5	53.4	59.6
85	TCG	28.0	30.4	33.0	34.5	29.1	31.0	33.3	34.8	30.0	31.9	33.7	35.1
	SHG	27.4	24.8	21.2	16.9	28.2	25.9	21.8	17.2	30.0	27.5	22.6	17.5
	TC	27.8	30.2	32.8	34.3	28.9	30.8	33.1	34.6	29.9	31.7	33.5	34.9
	kW	2.61	2.66	2.68	2.69	2.63	2.66	2.68	2.69	2.65	2.67	2.68	2.69
	CMP	2.28	2.33	2.35	2.36	2.30	2.34	2.35	2.37	2.32	2.34	2.36	2.37
	LDB	42.5	46.4	51.6	57.9	44.6	47.9	53.3	59.4	46.7	49.7	55.6	61.4
	LWB	39.7	45.0	50.5	56.7	40.7	46.3	51.9	58.1	42.2	47.9	53.7	59.8
95	TCG	26.9	28.9	32.0	33.8	27.5	29.5	32.4	34.1	28.8	30.2	32.8	34.4
	SHG	26.2	24.0	21.0	16.8	27.5	25.1	21.6	17.1	28.8	26.6	22.5	17.6
	TC	26.7	28.7	31.8	33.6	27.3	29.3	32.2	33.9	28.6	30.0	32.6	34.2
	kW	2.90	2.94	2.99	3.00	2.91	2.95	2.99	3.01	2.94	2.97	2.99	3.01
	CMP	2.57	2.62	2.66	2.68	2.58	2.63	2.66	2.68	2.61	2.64	2.67	2.68
	LDB	44.2	47.5	52.0	58.0	45.5	48.9	53.5	59.5	48.1	50.7	55.6	61.4
	LWB	40.5	46.0	51.1	57.1	41.6	47.2	52.4	58.4	43.0	48.8	54.1	60.1
105	TCG	25.3	27.2	30.2	32.7	26.2	27.7	30.8	33.0	27.4	28.4	31.5	33.4
	SHG	25.3	23.0	20.1	16.5	26.2	24.1	21.0	16.8	27.4	25.7	22.2	17.4
	TC	25.1	27.0	30.0	32.6	26.0	27.5	30.6	32.8	27.2	28.2	31.4	33.2
	kW	3.20	3.24	3.32	3.34	3.22	3.25	3.32	3.34	3.25	3.28	3.33	3.35
	CMP	2.88	2.92	2.99	3.02	2.89	2.93	3.00	3.02	2.92	2.95	3.00	3.02
	LDB	45.4	48.8	53.1	58.4	47.2	50.1	54.3	59.8	49.7	51.7	55.9	61.5
	LWB	41.6	47.1	52.1	57.6	42.5	48.2	53.3	58.9	43.7	49.7	54.7	60.5
115	TCG	23.9	25.3	28.2	31.2	24.7	25.8	28.7	31.5	25.8	26.3	29.4	31.9
	SHG	23.9	22.1	19.3	16.1	24.7	23.2	20.1	16.5	25.8	24.9	21.3	17.0
	TC	23.7	25.1	28.0	31.0	24.5	25.6	28.5	31.3	25.6	26.1	29.2	31.7
	kW	3.54	3.57	3.66	3.70	3.56	3.59	3.67	3.71	3.59	3.60	3.68	3.71
	CMP	3.21	3.25	3.33	3.38	3.23	3.26	3.34	3.38	3.26	3.27	3.36	3.39
	LDB	47.4	50.1	54.3	59.0	49.1	51.2	55.4	60.3	51.4	52.6	56.9	62.0
	LWB	42.6	48.3	53.2	58.4	43.5	49.3	54.3	59.6	44.6	50.7	55.7	61.0
125	TCG	22.2	23.0	26.0	29.3	23.0	23.5	26.5	29.6	24.0	24.2	27.0	30.0
	SHG	22.2	21.1	18.2	15.3	23.0	22.2	19.1	15.8	24.0	23.7	20.3	16.4
	TC	22.0	22.8	25.8	29.1	22.8	23.3	26.3	29.4	23.9	24.0	26.8	29.8
	kW	3.91	3.93	4.01	4.09	3.93	3.94	4.03	4.09	3.96	3.96	4.05	4.10
	CMP	3.58	3.60	3.69	3.76	3.60	3.61	3.71	3.76	3.63	3.64	3.72	3.77
	LDB	49.6	51.3	55.6	59.9	51.2	52.4	56.6	61.1	53.4	53.9	57.9	62.6
	LWB	43.7	49.7	54.5	59.4	44.5	50.6	55.4	60.5	45.5	51.7	56.7	61.8

Rating Condition

*Refer to Systems Index Table on page

Not recommended for long-term operation

NOTES:

1. Direct interpolation is permissible. Do not extrapolate.
2. The SHG is based on 80 F edb temperature of air entering indoor coil.
Below 80 F edb, subtract (corr factor x cfm) from SHG.
Above 80 F edb, add (corr factor x cfm) to SHG.
Correction Factor = 1.10 x (1 - BF) x (edb - 80).

LEGEND

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CMP - Compressor
Edb - Entering Dry Bulb
Ewb - Entering Wet Bulb
kW - Total Power
LDB - Leaving Dry Bulb
LWB - Leaving Wet Bulb
SHG - Gross Sensible Capacity (1000 Btu/hour)
TC - Total Net Cooling Capacity (1000 Btu/hour)
TCG - Gross Cooling Capacity (1000 Btu/hour)