

Number One
Air Conditioning
Maker

Carrier

Advance Product Data

Division of
Carrier Corporation

Carrier Parkway • Syracuse, N.Y. 13221

CARRIER

Water Source Heat Pump

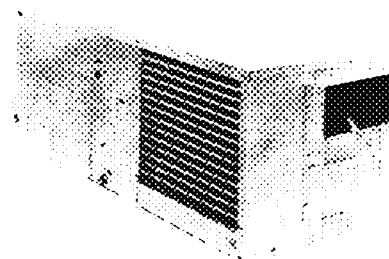
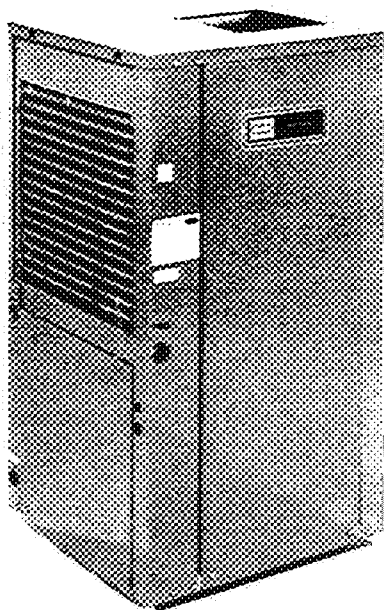
50 HQ,VQ

277/1/60

014-033

Cooling Capacities
13500-36000 BTUH

Heating Capacities
16500-44000 BTUH



50 VQ
VERTICAL AIR DISCHARGE

50 HQ
HORIZONTAL AIR DISCHARGE

High efficiency heat pumps for a wide range of commercial applications

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PC 111

Form 50HQ,VQ-1APD New

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.

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This publication is intended to supplement available literature. For physical dimensions and engineering data, consult the current Product Data Digest 50HQ,VQ-IP and Installation Instructions 50HQ,VQ-2SI.

PERFORMANCE DATA - ARI CONDITIONS

SIZE	CFM	VOLTAGE	COOLING		HEATING	
			TC	EER	TC	COP
014	525	277	13.5	9.2	16.5	3.2
018	600	277	18.5	8.4	23.6	2.8
022	750	277	21.0	9.3	24.0	3.0
027	900	277	25.0	9.1	28.0	2.9
033	1100	277	36.0	8.8	44.0	3.0

TC = Total Capacity (MBH)
EER = Energy Efficiency Ratio
COP = Coefficient of Performance



Rated in
accordance with
ARI 320-81

Cooling: 80°F DB, 67°F WB indoor entering air temperature and 85°F entering and 95°F leaving water temperature.

Heating: 70°F DB indoor entering air temperature and 70°F entering water temperature.

LEGEND

BF = Bypass Factor
EAT = Entering Air Temperature °F
DB = Dry Bulb
WB = Wet Bulb
TC = Total Capacity MBH

SHC = Sensible Heat Capacity MBH
THR = Total Heat of Rejection MBH
THA = Total Heat of Absorption MBH
KW = Total Power Input
EWT = Entering Water Temperature °F

COOLING CAPACITY NOTES

- Net capacities shown include a deduction for fan motor heat.
- Direct interpolation is permissible. Do not extrapolate.
- SHC is based on 80 F db temperature of air entering indoor coil.
Below 80 F db, subtract (corr factor x cfm) from SHC.
Above 80 F db add (corr factor x cfm) to SHC.

BYPASS FACTOR	ENTERING AIR DRY-BULB TEMP (F)					
	79	78	77	76	75	under 75
	81	82	83	84	85	over 85
Correction Factor						
.10	.98	1.96	2.94	3.92	4.91	Use formula
.20	.87	1.74	2.62	3.49	4.36	shown below.
.30	.76	1.53	2.29	3.05	3.82	

Interpolation is permissible. ;
Correction Factor = 1.09 x (1 - BF) x |(db - 80)|

4. Formulas:

$$t|_{db} = t|_{edb} - \frac{\text{sensible heat capacity (Btuh)}}{109 \times \text{cfm}}$$

$$t|_{wb} = \text{wet-bulb temperature corresponding to enthalpy of air leaving indoor coil } (h|_{wb})$$

$$h|_{wb} = h_{ewb} - \frac{\text{total capacity (Btuh)}}{4.5 \times \text{cfm}}$$

where h_{ewb} = enthalpy of air entering indoor coil

HQ/VQ CAPACITY 014

277 VOLT

MODE	CFM	FAN WATT BF	EAT °F		EWT								
					60			75			90		
								GPM					
					2.5	4	5.5	2.5	4	5.5	2.5	4	5.5
C O O L I N G	400	150/ 0.16	72° WB	TC	15.5	14.6	14.2	15.2	14.9	14.4	14.2	14.4	14.4
				SHC	7.6	7.1	6.9	7.5	7.3	7.1	7.2	7.2	7.2
				KW	1.22	1.16	1.13	1.35	1.29	1.26	1.48	1.43	1.41
				THR	19.4	18.3	17.8	19.4	18.9	18.4	18.8	18.9	18.9
			67° WB	TC	14.4	14.0	13.6	13.8	13.9	13.8	12.2	13.0	13.1
				SHC	9.7	9.4	9.0	9.5	9.5	9.4	8.9	9.2	9.2
				KW	1.18	1.13	1.11	1.30	1.26	1.24	1.42	1.39	1.37
				THR	18.1	17.6	17.1	17.9	17.8	17.7	16.7	17.4	17.4
			62° WB	TC	13.3	13.2	13.0	12.0	12.6	12.7	10.3	11.1	11.6
				SHC	11.8	11.7	11.4	11.2	11.5	11.5	10.2	10.7	10.9
				KW	1.15	1.11	1.09	1.26	1.22	1.21	1.39	1.35	1.32
				THR	16.9	16.7	16.4	16.0	16.5	16.5	14.6	15.3	15.7
	475	155/ 0.19	72° WB	TC	15.5	14.6	14.2	15.3	15.0	14.7	14.4	14.6	14.4
				SHC	7.7	7.2	7.0	7.8	7.6	7.4	7.5	7.6	7.4
				KW	1.28	1.22	1.20	1.42	1.37	1.33	1.55	1.50	1.47
				THR	19.5	18.5	18.0	19.8	19.3	18.9	19.3	19.3	19.0
			67° WB	TC	14.6	14.2	13.6	14.0	13.9	13.9	12.6	13.2	13.3
				SHC	10.3	9.8	9.3	10.2	10.0	9.9	9.6	9.9	9.9
				KW	1.25	1.20	1.17	1.37	1.32	1.31	1.49	1.45	1.44
				THR	18.5	18.0	17.3	18.3	18.1	18.0	17.3	17.8	17.8
			62° WB	TC	13.6	13.3	13.1	12.5	12.9	12.9	10.9	11.8	12.1
				SHC	12.7	12.3	12.1	12.1	12.4	12.3	10.9	11.7	11.9
				KW	1.22	1.17	1.15	1.33	1.29	1.28	1.46	1.41	1.39
				THR	17.4	17.0	16.7	16.7	17.0	17.0	15.5	16.2	16.5
	550	160/ 0.24	72° WB	TC	15.5	14.6	14.0	15.3	14.9	14.6	14.6	14.7	14.4
				SHC	7.9	7.4	7.0	8.0	7.7	7.5	7.9	7.9	7.7
				KW	1.33	1.27	1.24	1.47	1.41	1.39	1.61	1.56	1.52
				THR	19.7	18.7	18.0	20.0	19.4	19.0	19.7	19.6	19.2
			67° WB	TC	14.7	14.3	13.5	14.2	14.0	13.8	12.8	13.4	13.4
				SHC	10.9	10.3	9.5	10.8	10.6	10.3	10.3	10.5	10.5
				KW	1.31	1.26	1.22	1.43	1.37	1.35	1.55	1.51	1.49
				THR	18.9	18.2	17.3	18.7	18.4	18.1	17.7	18.1	18.1
			62° WB	TC	13.8	13.4	13.2	13.0	13.2	13.0	11.5	12.3	12.4
				SH	13.5	12.9	12.7	13.0	13.1	12.9	11.5	12.3	12.4
				KW	1.28	1.22	1.21	1.39	1.35	1.32	1.52	1.47	1.45
				THR	17.9	17.2	17.1	17.4	17.5	17.2	16.3	17.0	17.0
H E A T I N G	400	150/ 0.16	70° DB	TC	13.2	14.2	14.6	16.6	17.4	17.6	18.5	19.1	19.8
				KW	1.41	1.45	1.47	1.56	1.61	1.62	1.67	1.70	1.74
				THA	10.0	10.9	11.4	13.2	13.9	14.1	14.8	15.4	15.9
	475	155/ 0.19	70° DB	TC	13.9	14.8	15.4	16.9	17.3	17.5	18.5	19.2	19.2
				KW	1.42	1.45	1.47	1.54	1.56	1.57	1.61	1.65	1.65
				THA	10.7	11.6	12.1	13.5	13.8	14.0	14.9	15.5	15.5
	500	160/ 0.24	70° DB	TC	14.3	15.2	15.4	16.6	17.0	18.6	18.3	18.7	19.0
				KW	1.42	1.45	1.46	1.51	1.52	1.60	1.58	1.60	1.61
				THA	11.1	12.0	12.2	13.2	13.5	15.0	14.7	15.0	15.3

HQ/VQ CAPACITY 018

277 VOLT

MODE	CFM	FAN WATT BF	EAT °F		EWT								
					60			75			90		
					GPM								
					3.5	5	6.5	3.5	5	6.5	3.5	5	6.5
C O O L I N G	500	220/ 0.09	72° WB	TC	21.0	20.3	19.8	20.4	20.2	19.9	19.0	19.5	19.4
				SHC	10.1	9.7	9.5	9.9	9.8	9.6	9.4	9.5	9.5
				KW	1.93	1.82	1.77	2.17	2.08	2.02	2.42	2.34	2.29
				THR	27.1	26.0	25.4	27.2	26.7	26.2	26.6	26.8	26.6
			67° WB	TC	19.7	19.4	18.9	18.5	18.8	18.8	16.4	17.4	17.6
				SHC	12.8	12.5	12.2	12.4	12.5	12.4	11.5	11.9	12.0
				KW	1.88	1.80	1.74	2.11	2.03	1.99	2.34	2.27	2.23
				THR	25.6	25.1	24.4	25.1	25.2	25.0	23.7	24.5	24.6
			62° WB	TC	17.9	18.1	17.9	16.1	16.9	17.1	14.0	14.7	15.2
				SHC	15.4	15.4	15.1	14.5	14.9	15.0	13.4	13.8	14.0
				KW	1.83	1.76	1.71	2.04	1.98	1.94	2.27	2.20	2.17
				THR	23.7	23.6	23.3	22.5	23.1	23.2	21.1	21.6	22.0
	575	225/ 0.10	72° WB	TC	21.1	20.4	19.9	20.7	20.3	20.2	19.4	19.7	19.7
				SHC	10.3	9.9	9.7	10.2	10.0	9.9	9.8	9.9	9.9
				KW	1.97	1.86	1.82	2.26	2.12	2.07	2.47	2.39	2.34
				THR	27.3	26.2	25.6	27.7	27.0	26.7	27.2	27.2	27.1
			67° WB	TC	20.0	19.6	18.9	19.0	19.1	19.0	17.1	17.8	18.0
				SHC	13.4	13.0	12.4	13.2	13.1	12.9	12.4	12.7	12.8
				KW	1.93	1.84	1.78	2.16	2.08	2.03	2.39	2.32	2.28
				THR	26.1	25.4	24.5	25.7	25.7	25.4	24.6	25.0	25.2
			62° WB	TC	18.4	18.4	18.2	16.8	17.4	17.6	14.7	15.4	15.9
				SHC	16.4	16.2	15.9	15.6	15.9	16.0	14.4	14.9	15.2
				KW	1.89	1.80	1.76	2.10	2.03	1.99	2.32	2.26	2.22
				THR	24.3	24.1	23.7	23.4	23.8	23.9	22.0	22.5	22.9
650	235/ 0.12	72° WB	TC	21.3	20.5	20.1	21.0	20.5	20.1	19.8	20.0	19.9	
			SHC	10.6	10.1	9.9	10.7	10.3	10.1	10.3	10.3	10.2	
			KW	1.98	1.87	1.83	2.24	2.13	2.07	2.50	2.41	2.35	
			THR	27.5	26.4	25.9	28.0	27.1	26.6	27.7	27.6	27.3	
		67° WB	TC	20.3	19.9	19.4	19.4	19.5	19.2	17.5	18.2	18.4	
			SHC	14.1	13.6	13.1	14.0	13.9	13.6	13.3	13.5	13.6	
			KW	1.94	1.86	1.80	2.18	2.10	2.04	2.41	2.34	2.30	
			THR	26.4	25.8	25.1	26.3	26.1	25.7	25.1	25.5	25.7	
		62° WB	TC	18.8	18.7	18.6	17.5	17.9	17.9	15.3	16.2	16.7	
			SHC	17.4	17.0	16.8	16.8	17.0	16.8	15.3	15.9	16.3	
			KW	1.90	1.82	1.78	2.12	2.05	2.00	2.35	2.28	2.24	
			THR	24.8	24.5	24.2	24.1	24.4	24.2	22.7	23.3	23.7	
H E A T I N G	500	220/ 0.09	70° DB	TC	19.1	20.0	20.7	23.5	24.7	25.0	26.1	27.2	27.0
				KW	2.34	2.41	2.44	2.63	2.72	2.74	2.82	2.91	2.90
				THA	13.6	14.4	15.1	17.4	18.4	18.6	19.6	20.4	20.3
	575	225/ 0.10	70° DB	TC	19.7	20.8	21.6	24.2	25.1	25.0	26.7	27.3	27.4
				KW	2.29	2.35	2.38	2.55	2.60	2.60	2.71	2.74	2.76
				THA	14.3	15.3	16.1	18.3	19.0	19.0	20.4	20.9	21.0
	650	235/ 0.12	70° DB	TC	20.2	21.3	24.5	24.2	24.6	25.0	26.4	27.1	28.7
				KW	2.23	2.28	2.45	2.43	2.46	2.48	2.56	2.60	2.69
				THA	15.0	16.0	18.9	18.5	18.9	19.2	20.4	21.0	22.4

HQ/VQ CAPACITY 022

277 VOLT

MODE	CFM	FAN WATT BF	EAT °F		EWT								
					60			75			90		
								GPM					
					4	6	8	4	6	8	4	6	8
C O O L I N G	600	260/ 0.11	72° WB	TC	24.6	23.6	22.5	23.6	23.4	23.0	21.0	22.2	22.3
				SHC	11.8	11.3	10.8	11.5	11.4	11.1	10.5	11.0	11.0
				KW	1.89	1.78	1.71	2.13	2.02	1.96	2.35	2.27	2.21
				THR	30.6	29.2	27.9	30.2	29.8	29.1	28.4	29.3	29.2
			67° WB	TC	22.8	22.6	21.8	20.7	21.7	21.8	17.6	19.0	20.0
				SHC	14.9	14.6	14.0	14.1	14.5	14.4	12.9	13.4	13.8
				KW	1.84	1.75	1.69	2.05	1.97	1.94	2.27	2.20	2.16
				THR	28.6	28.1	27.2	27.2	27.9	27.9	24.7	25.9	26.7
			62° WB	TC	20.5	21.1	21.0	17.6	19.1	19.7	14.8	15.9	16.6
				SHC	17.8	17.9	17.7	16.3	17.1	17.4	14.7	15.4	15.8
				KW	1.79	1.73	1.68	2.00	1.92	1.89	2.23	2.15	2.12
				THR	26.2	26.6	26.3	23.9	25.1	25.7	21.8	22.6	23.2
	675	275/ 0.12	72° WB	TC	24.8	23.5	22.6	23.8	23.5	23.2	21.7	22.6	22.6
				SHC	12.0	11.4	10.9	11.8	11.6	11.4	11.1	11.4	11.3
				KW	1.94	1.82	1.76	2.17	2.06	2.01	2.40	2.32	2.27
				THR	30.9	29.3	28.1	30.7	30.0	29.6	29.3	29.9	29.7
			67° WB	TC	23.2	22.9	22.1	21.4	22.0	22.0	18.3	19.6	20.4
				SHC	15.6	15.1	14.4	15.0	15.1	14.9	13.7	14.3	14.6
				KW	1.90	1.81	1.74	2.11	2.02	1.98	2.32	2.25	2.21
				THR	29.2	28.7	27.6	28.0	28.4	28.2	25.6	26.7	27.3
			62° WB	TC	21.1	21.4	21.1	18.3	19.8	20.1	15.6	16.6	17.3
				SHC	18.8	18.7	18.2	17.4	18.2	18.3	15.6	16.4	16.8
				KW	1.85	1.77	1.72	2.05	1.98	1.94	2.28	2.20	2.17
				THR	26.9	27.0	26.6	24.8	26.0	26.3	22.7	23.5	24.1
H E A T I N G	750	290/ 0.14	72° WB	TC	24.8	24.0	22.7	24.0	23.7	23.1	22.0	22.7	22.7
				SHC	12.2	11.8	11.1	12.1	11.8	11.5	11.5	11.6	11.6
				KW	1.97	1.87	1.80	2.21	2.10	2.04	2.44	2.35	2.30
				THR	31.0	29.9	28.4	31.0	30.3	29.5	29.7	30.1	30.0
			67° WB	TC	23.6	22.9	22.2	21.8	22.3	22.1	18.5	20.2	20.7
				SHC	16.2	15.4	14.8	15.7	15.7	15.3	14.4	15.1	15.3
				KW	1.95	1.84	1.78	2.15	2.07	2.01	2.37	2.29	2.25
				THR	29.7	28.7	27.9	28.6	28.8	28.4	25.9	27.4	27.8
			62° WB	TC	21.5	21.7	21.3	19.0	20.3	20.5	16.3	17.3	18.0
				SHC	19.8	19.4	18.8	18.4	19.1	19.1	16.3	17.3	17.8
				KW	1.89	1.81	1.76	2.09	2.02	1.98	2.32	2.25	2.21
				THR	27.5	27.4	26.9	25.6	26.6	26.8	23.6	24.4	25.0
H E A T I N G	600	260/ 0.11	70° DB	TC	18.9	19.2	19.8	24.3	25.7	26.1	29.5	30.2	30.8
				KW	2.23	2.26	2.28	2.48	2.55	2.62	2.78	2.82	2.86
				THA	12.3	13.6	14.2	18.5	19.7	20.1	22.9	23.6	24.1
	675	275/ 0.12	70° DB	TC	18.8	20.1	20.7	24.9	26.1	26.4	28.5	29.6	29.7
				KW	2.20	2.24	2.26	2.43	2.49	2.51	2.63	2.70	2.70
				THA	13.3	14.6	15.3	19.2	20.2	20.5	22.3	23.2	23.3
	750	290/ 0.14	70° DB	TC	19.5	20.6	21.3	25.0	25.6	26.0	27.5	28.6	28.9
				KW	2.18	2.23	2.25	2.40	2.43	2.45	2.53	2.59	2.61
				THA	14.2	15.2	15.9	19.4	19.9	20.2	21.6	22.4	22.7

HQ/VQ CAPACITY 027

277 VOLT

MODE	CFM	FAN WATT BF	EAT °F		EWT								
					60			75			90		
								GPM					
					5	7.5	10	5	7.5	10	5	7.5	10
C O O L I N G	750	330/ 0.11	72° WB	TC	28.2	26.1	24.2	28.0	26.6	25.5	25.9	26.3	25.9
				SHC	13.6	12.6	11.7	13.7	13.0	12.4	13.0	13.1	12.9
				KW	2.30	2.17	2.08	2.61	2.47	2.39	2.90	2.80	2.74
				THR	35.5	33.0	30.7	36.2	34.4	33.1	35.0	35.1	34.5
			67° WB	TC	27.0	25.2	24.1	25.6	25.4	24.9	21.9	23.7	24.1
				SHC	17.7	16.3	15.5	17.5	17.1	16.6	16.1	16.7	16.8
				KW	2.26	2.13	2.07	2.54	2.43	2.37	2.81	2.73	2.68
				THR	34.1	31.9	30.6	33.6	33.1	32.4	30.8	32.3	32.5
			62° WB	TC	25.0	24.3	23.7	22.2	23.5	23.5	18.5	20.2	21.2
				SHC	21.8	20.7	20.0	20.5	21.1	20.8	18.4	19.5	20.0
				KW	2.21	2.11	2.06	2.46	2.39	2.33	2.75	2.66	2.62
				THR	32.0	31.0	30.2	29.9	31.0	30.8	27.1	28.6	29.4
	825	345/ 0.12	72° WB	TC	28.4	26.1	24.1	28.1	26.5	25.6	26.4	26.5	25.8
				SHC	13.8	12.7	11.7	14.0	13.1	12.5	13.5	13.4	12.9
				KW	2.35	2.21	2.12	2.65	2.50	2.44	2.95	2.85	2.77
				THR	35.8	33.1	30.8	36.4	34.4	33.3	35.6	35.5	34.5
			67° WB	TC	27.3	25.4	24.1	26.0	25.7	24.8	22.7	24.2	24.3
				SHC	18.3	16.7	15.6	18.2	17.6	16.8	16.9	17.5	17.4
				KW	2.32	2.18	2.11	2.59	2.48	2.41	2.86	2.77	2.73
				THR	34.6	32.3	30.7	34.1	33.5	32.4	31.7	32.9	32.9
			62° WB	TC	25.4	24.4	23.6	22.9	23.8	23.7	19.3	20.9	21.9
				SHC	22.7	21.2	20.2	21.6	21.9	21.5	19.3	20.4	21.0
				KW	2.27	2.15	2.10	2.51	2.43	2.38	2.80	2.72	2.67
				THR	32.5	31.2	30.2	30.8	31.5	31.2	28.1	29.4	30.3
	900	360/ 0.13	72° WB	TC	28.3	26.0	24.3	28.2	26.8	25.2	26.7	26.5	25.9
				SHC	13.9	12.7	11.8	14.2	13.3	12.4	13.9	13.6	13.2
				KW	2.39	2.26	2.17	2.70	2.57	2.47	3.01	2.89	2.82
				THR	35.9	33.2	31.2	36.7	35.0	33.0	36.1	35.6	34.8
			67° WB	TC	27.3	25.4	24.0	26.2	25.7	24.9	22.8	24.4	24.5
				SHC	18.6	17.0	15.8	18.8	17.9	17.2	17.6	18.2	17.9
				KW	2.36	2.23	2.16	2.64	2.52	2.46	2.92	2.83	2.78
				THR	34.7	32.5	30.8	34.5	33.6	32.7	32.0	33.3	33.2
			62° WB	TC	25.6	24.6	23.4	23.3	24.1	23.8	19.9	21.6	22.2
				SHC	23.4	21.9	20.4	22.5	22.7	22.1	19.9	21.4	21.8
				KW	2.32	2.21	2.14	2.57	2.49	2.43	2.86	2.77	2.73
				THR	33.0	31.6	30.1	31.4	32.0	31.5	28.9	30.3	30.8
H E A T I N G	750	330/ 0.11	70° DB	TC	21.4	22.6	23.3	28.8	30.2	30.5	33.9	34.6	35.1
				KW	2.66	2.71	2.74	3.01	3.08	3.10	3.35	3.39	3.43
				THA	14.8	15.8	16.6	21.6	22.8	23.2	25.9	26.5	26.9
	825	345/ 0.12	70° DB	TC	22.2	23.6	24.2	29.2	30.3	30.6	33.2	34.1	34.4
				KW	2.66	2.70	2.72	2.96	3.03	3.04	3.22	3.27	3.29
				THA	15.5	16.9	17.6	22.1	23.0	23.3	25.5	26.2	26.5
	900	360/ 0.13	70° DB	TC	23.0	24.2	24.9	28.9	30.2	30.4	32.6	33.9	33.8
				KW	2.65	2.69	2.71	2.90	2.99	3.00	3.13	3.21	3.20
				THA	16.5	17.6	18.3	21.9	23.0	23.2	25.1	26.1	26.1

HQ/VQ CAPACITY 033

277 VOLT

MODE	CFM	FAN WATT BF	EAT °F		EWT								
					60			75			90		
								GPM					
					6	9	12	6	9	12	6	9	12
C O O L I N G	900	400/ 0.13	72° WB	TC	41.3	39.6	36.9	39.5	38.9	37.5	36.1	37.5	37.0
				SHC	19.4	18.7	17.5	18.8	18.5	17.8	17.5	18.0	17.7
				KW	3.72	3.52	3.34	4.05	3.86	3.72	4.37	4.23	4.11
				THR	53.0	50.6	47.4	52.2	51.1	49.2	49.8	50.8	50.0
			67° WB	TC	38.0	37.4	36.0	35.0	36.3	36.0	30.6	33.3	34.3
				SHC	24.2	23.5	22.6	22.9	33.4	23.0	21.0	22.2	22.5
				KW	3.60	3.43	3.31	3.90	3.77	3.68	4.21	4.09	4.00
				THR	49.3	48.2	46.5	47.3	48.1	47.6	43.8	46.1	46.8
			62° WB	TC	33.9	34.9	34.4	30.0	32.7	33.2	25.7	28.2	30.1
				SHC	28.3	28.6	27.9	26.4	27.8	27.9	24.3	25.5	26.5
				KW	3.47	3.34	3.25	3.76	3.63	3.58	4.08	3.96	3.88
				THR	44.8	45.4	44.6	41.9	44.2	44.4	38.5	40.7	42.3
	975	420/ 0.14	72° WB	TC	41.6	39.3	37.3	39.9	39.4	37.9	36.6	38.0	37.5
				SHC	19.8	18.7	17.8	19.2	18.9	18.2	18.0	18.5	18.2
				KW	3.75	3.50	3.36	4.07	3.90	3.75	4.41	4.27	4.15
				THR	53.5	50.4	48.0	52.7	51.7	49.7	50.5	51.5	50.6
			67° WB	TC	38.6	37.6	36.2	35.7	36.7	36.1	31.5	34.3	34.7
				SHC	25.0	24.0	23.0	23.8	24.1	23.5	22.1	23.2	23.3
				KW	3.63	3.44	3.32	3.93	3.79	2.68	4.24	4.10	4.04
				THR	50.1	48.5	46.7	48.0	48.7	47.8	44.9	47.2	47.5
			62° WB	TC	34.5	35.4	34.8	30.6	33.3	33.7	26.6	29.3	30.7
				SHC	29.5	29.6	28.8	27.6	28.9	29.0	25.5	26.9	27.6
				KW	3.51	3.36	3.28	3.80	3.67	3.61	4.11	3.98	3.91
				THR	45.6	46.0	45.2	42.6	44.9	45.1	39.6	41.9	43.1
	1050	450/ 0.15	72° WB	TC	42.1	39.7	37.6	40.5	39.9	38.3	37.6	38.4	37.9
				SHC	20.2	19.1	18.1	19.7	19.4	18.5	18.7	18.9	18.6
				KW	3.77	3.53	3.39	4.11	3.93	3.78	4.43	4.29	4.18
				THR	53.9	50.9	48.3	53.3	52.3	50.1	51.5	51.9	51.1
			67° WB	TC	39.2	37.9	36.2	36.5	37.2	36.4	32.1	34.8	35.2
				SHC	25.8	24.6	23.3	24.8	24.8	24.0	23.0	24.1	24.2
				KW	3.67	3.45	3.32	3.95	3.81	3.69	4.27	4.14	4.08
				THR	50.8	48.8	46.7	49.0	49.2	48.0	45.5	47.8	48.1
			62° WB	TC	35.5	35.9	35.1	31.6	34.0	34.1	27.3	30.3	31.7
				SHC	30.8	30.6	29.5	28.9	30.1	29.9	26.6	28.2	28.9
				KW	3.53	3.40	3.29	3.82	3.70	3.62	4.14	4.00	3.93
				THR	46.6	46.6	45.4	43.6	45.6	45.5	40.3	42.9	44.0
H E A T I N G	900	400/ 0.13	70° DB	TC	33.4	35.7	36.8	43.0	45.2	46.2	49.0	51.0	52.7
				KW	3.93	4.02	4.09	4.41	4.58	4.65	4.85	5.00	5.14
				THA	23.5	25.7	26.6	32.1	33.9	34.8	37.1	38.7	40.1
	975	420/ 0.14	70° DB	TC	33.8	36.4	37.7	43.5	45.6	46.4	49.7	51.9	52.5
				KW	3.87	3.97	4.02	4.33	4.47	4.53	4.75	4.90	4.94
				THA	24.0	26.5	27.7	32.8	34.5	35.3	38.1	39.8	40.4
	1050	450/ 0.15	70° DB	TC	34.5	36.8	38.2	44.0	46.2	46.8	50.4	51.8	52.8
				KW	3.82	3.92	3.98	4.27	4.41	4.44	4.67	4.76	4.83
				THA	24.9	27.0	28.3	33.5	35.3	35.9	38.9	40.1	41.0

FAN PERFORMANCE
277 VOLT

<u>SIZE</u>	<u>CFM</u>	<u>ESP</u>
014	400	0.62
	475	0.41
	550	--
018	500	0.65
	575	0.56
	650	0.43
022	600	0.56
	675	0.48
	750	0.34
027	750	0.55
	825	0.44
	900	0.26
033	900	0.55
	975	0.44
	1050	0.33

NOTE: ESP External Static Pressure in inches water gauge. Includes wet coil and filter losses.

ELECTRICAL DATA

<u>SIZE</u>	<u>VOLT</u> <u>PHASE</u> <u>60 HZ</u>	<u>COMPRESSOR</u>		<u>FAN</u>	<u>MIN.</u> <u>CIRCUIT</u> <u>AMPS</u>	<u>MAX</u> <u>FUSE</u> <u>AMPS</u>	<u>OPERATING</u> <u>MIN</u>	<u>VOLT</u> <u>MAX</u>
		<u>RLA</u>	<u>LRA</u>	<u>FLA</u>				
014	277/1	6.4	33.0	1.5	9.5	15	249	305
018	277/1	10.2	46.0	1.5	14.3	20	249	305
022	277/1	9.2	54.0	1.5	13.0	20	249	305
027	277/1	11.0	61.0	1.5	15.2	25	249	305
033	277/1	15.8	76.0	2.1	21.9	35	249	305

RLA = Rated Load Amps
LRA = Locked Rotor Amps
FLA = Full Load Amps

50 HQ/VQ 014-033 UL Listed

