

**48/50HC 15 to 25 Nominal Tons  
Single Package Rooftop  
Gas Heating/Electric Cooling Unit  
& Cooling Only/Electric Heat Unit  
with Puron® (R-410A) Refrigerant  
Sizes: 17-28**



# Electrical Data Supplement

**FOR MODELS PRODUCED ON OR AFTER JUNE 1, 2015 ONLY!**

**NOTE:** Read the entire instruction manual before starting the installation

This supplement only applies to 48/50HC size 17 to 28 units manufactured on or after June 1, 2015. To confirm the date of manufacture of the unit, locate the unit nameplate and check the first four digits of the Serial Number which is located directly below the unit's Model Number at the top of the nameplate. If the number listed in the first 4 digits of the Serial Number is 2315 or higher KEEP THIS DOCUMENT and use it along with the furnished Installation Instructions.

## SERIAL NUMBER NOMENCLATURE

Position:	1	2	3	4	5	6	7	8	9	10
Example:	2	3	1	5	X	1	2	3	4	5

  

Week of manufacture (fiscal calendar)	Sequence number
Year of manufacture ("15" = 2015)	Manufacturing location

## SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock or other conditions which may cause personal injury or property damage. Consult a qualified installer, service agency, or your distributor or branch for information or assistance. The qualified installer or agency must use factory-authorized kits or accessories when modifying this product. Refer to the individual instructions packaged with the kits or accessories when installing.

Follow all safety codes. Wear safety glasses and work gloves. Use quenching cloths for brazing operations and have a fire extinguisher available. Read these instructions thoroughly and follow all warnings or cautions attached to the unit. Consult local building codes and appropriate national electrical codes (in USA, ANSI/NFPA70, National Electrical Code (NEC); in Canada, CSA C22.1) for special requirements.

It is important to recognize safety information. This is the safety-alert symbol . When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury.

Understand the signal words DANGER, WARNING, CAUTION, and NOTE. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which **will** result in severe personal injury or death. WARNING signifies hazards which **could** result in

personal injury or death. CAUTION is used to identify unsafe practices, which **may** result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

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**CAUTION**

**ELECTRICAL HAZARD**

Failure to follow this caution may result in personal injury or product and property damage.

The electrical data contained in this document is only for use with 48/50HC size 17 to 28 units manufactured on or after June 1, 2015. Check the first 4 digits of the unit's Serial Number (located on the unit's nameplate) if the number listed is 2315 or higher keep this document.

**WARNING**

**ELECTRICAL SHOCK HAZARD**

Failure to follow this warning could cause personal injury or death.

Before performing service or maintenance operations on unit, always turn off main power switch to unit and install lockout tag. Unit may have more than one power switch.

**Table 1 – 48HC 17-28 Unit Wire/Fuse or HACR Breaker Sizing Data – Single Speed Indoor Fan Motor**

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.						w/ PWRD C.O.								
			NO PE.			w/ PE. (pwrd fr/ unit)			NO PE.			w/ PE. (pwrd fr/ unit)					
			MAX FUSE or BRKR	DISC. SIZE	MCA	MAX FUSE or BRKR	DISC. SIZE	MCA	MAX FUSE or BRKR	DISC. SIZE	MCA	MAX FUSE or BRKR	DISC. SIZE	MCA			
FLA	LRA		FLA	LRA		FLA	LRA		FLA	LRA							
48HC**17	208/230-3-60	STD	90	71	393	80.1	100	85	413	73.1	90	77	398	84.9	100	90	418
		MED	90	75	423	83.2	100	88	443	76.2	100	80	428	88.0	100	94	448
		HIGH	90/90	78/77	425	86.2/85.3	100/100	92/91	445	79.2/78.3	100/100	84/83	430	91.0/90.1	100/100	97/96	450
		STD	45	36	234	41.1	50	44	246	37.1	45	39	236	43.3	50	46	248
		MED	45	39	249	43.0	50	46	261	39.0	50	41	251	45.2	50	48	263
		HIGH	50	40	250	44.1	50	47	262	40.1	50	42	252	46.3	50	50	264
	575-3-60	STD	30	27	184	31.0	40	33	192	27.9	35	29	186	32.7	40	35	194
		MED	30	27	184	31.0	40	33	192	27.9	35	29	186	32.7	40	35	194
		HIGH	35	31	198	33.8	40	36	206	30.7	40	33	200	35.5	45	38	208
		STD	100	79	440	87.5	100	93	480	80.5	100	85	445	92.3	100	98	465
		MED	100/100	83/82	455	90.9/90.0	100/100	97/96	475	83.9/83.0	100/100	89/88	460	95.7/94.8	110/110	102/101	480
		HIGH-High Efficiency	100	87	451	94.4	110	101	471	87.4	100	93	456	99.2	125	106	476
48HC**20	460-3-60	STD	45	38	245	42.8	50	46	257	38.8	50	41	247	45.0	50	48	259
		MED	50	40	252	44.4	50	47	264	40.4	50	43	254	46.6	50	50	266
		HIGH-High Efficiency	50	43	250	46.6	50	50	262	42.6	50	45	252	48.8	60	52	264
		STD	30	27	186	31.0	40	33	194	27.9	35	29	188	32.7	40	35	196
		MED	35	31	200	33.8	40	36	208	30.7	40	33	202	35.5	45	38	210
		HIGH-High Efficiency	40	33	198	35.8	45	38	206	32.7	40	35	200	37.5	45	40	208
	208/230-3-60	STD	100	96	546	102.6	125	109	566	95.6	125	101	551	107.4	125	115	571
		MED-High Efficiency	100	96	546	102.6	125	109	566	95.6	125	101	551	107.4	125	115	571
		HIGH-High Efficiency	125	109	625	114.0	125	122	645	107.0	125	114	630	118.8	150	128	650
		STD	60	52	278	56.0	70	60	290	52.0	60	55	280	58.2	70	62	292
		MED-High Efficiency	60	52	278	56.0	70	60	290	52.0	60	55	280	58.2	70	62	292
		HIGH-High Efficiency	60	59	318	61.7	70	66	330	57.7	70	62	320	63.9	80	69	332
48HC**24	460-3-60	STD	35.5	37	204	40.3	50	43	212	37.2	45	39	206	42.0	50	45	214
		MED-High Efficiency	37.5	40	202	42.3	50	45	210	39.2	50	42	204	44.0	50	47	212
		HIGH-High Efficiency	39.4	42	229	44.2	50	47	237	41.1	50	44	231	45.9	50	49	239
		STD	116.0/115.1	120/119	590	127.8/126.9	175/175	133/132	610	120.8/119.9	150/150	125/124	595	132.6/131.7	175/175	139/138	615
		MED-High Efficiency	119.5	124	586	131.3	175	137	606	124.3	150	129	591	136.1	175	143	611
		HIGH-High Efficiency	130.9	137	665	142.7	175	150	685	135.7	175	142	670	147.5	175	156	690
	575-3-60	STD	53.0	56	306	59.2	70	63	318	55.2	60	58	308	61.4	70	65	320
		MED-High Efficiency	55.2	58	304	61.4	70	65	316	57.4	70	61	306	63.6	80	68	318
		HIGH-High Efficiency	60.9	65	344	67.1	80	72	356	63.1	80	67	346	69.3	80	74	358
		STD	40.4	42	228	45.2	50	48	236	42.1	50	44	230	46.9	60	50	238
		MED-High Efficiency	42.4	45	226	47.2	60	50	234	44.1	50	46	228	48.9	60	52	236
		HIGH-High Efficiency	44.3	47	253	49.1	60	52	261	46.0	60	49	255	50.8	60	54	263

1 – STD static is not available on 48HC\*\*28 horizontal.

See: "Legend and Notes for Tables 1 – 8" on page 22.

**Table 2 – 48HC 17-28 Unit Wire Sizing Data with Factory Installed HACR Breaker - Single Speed Indoor Fan Motor**

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.												w/ PWRD C.O.											
			NO RE.						w/ P.E. (pwrd fr/ unit)						NO PE.						w/ P.E. (pwrd fr/ unit)					
			MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA				
48HC**17	208/230-3-60	STD	68.3	90	71	393	80.1	100	85	413	73.1	90	77	398	84.9	100	90	90	418	418	418	418				
		MED	71.4	90	75	423	83.2	100	88	443	76.2	100	80	428	88.0	100	94	94	448	448	448	448				
		HIGH	74.4/74.4	90/90	78/77	425	86.2/86.2	100/100	92/91	445	79.2/79.2	100/100	84/83	430	91.0/91.0	97/96	450	450	450	450	450	450	450			
		STD	34.9	45	36	234	41.1	50	44	246	37.1	45	39	236	43.3	50	46	46	248	248	248	248				
		MED	36.8	45	39	249	43.0	50	46	261	39.0	50	41	251	45.2	50	48	48	263	263	263	263				
		HIGH	37.9	50	40	250	44.1	50	47	262	40.1	50	42	252	46.3	50	50	50	264	264	264	264				
	575-3-60	STD	26.2	30	27	184	31.0	40	33	192	27.9	35	29	186	32.7	40	35	35	194	194	194	194				
		MED	26.2	30	27	184	31.0	40	33	192	27.9	35	29	186	32.7	40	35	35	194	194	194	194				
		HIGH	29.0	35	31	198	33.8	40	36	206	30.7	40	33	200	35.5	45	38	38	208	208	208	208				
		STD	75.7	100	79	440	87.5	100	93	460	80.5	100	85	445	92.3	100	98	98	465	465	465	465				
		MED	79.1/79.1	100/100	83/82	455	90.9/90.9	100/100	97/96	475	83.9/83.9	100/100	89/88	460	95.7/95.7	110/110	102/101	102/101	480	480	480	480				
		HIGH-High Efficiency	82.6	100	87	451	94.4	110	101	471	87.4	100	93	456	99.2	125	106	106	476	476	476	476				
48HC**20	460-3-60	STD	36.6	45	38	245	42.8	50	46	257	38.8	50	41	247	45.0	50	48	48	259	259	259	259				
		MED	38.2	50	40	252	44.4	50	47	264	40.4	50	43	254	46.6	50	50	50	266	266	266	266				
		HIGH-High Efficiency	40.4	50	43	250	46.6	50	50	262	42.6	50	45	252	48.8	60	52	52	264	264	264	264				
		STD	26.2	30	27	186	31.0	40	33	194	27.9	35	29	188	32.7	40	35	35	196	196	196	196				
		MED	29.0	35	31	200	33.8	40	36	208	30.7	40	33	202	35.5	45	38	38	210	210	210	210				
		HIGH-High Efficiency	31.0	40	33	198	35.8	45	38	206	32.7	40	35	200	37.5	45	40	40	208	208	208	208				
	208/230-3-60	STD	90.8	100	96	546	102.6	125	109	566	95.6	125	101	551	107.4	125	115	115	571	571	571	571				
		MED-High Efficiency	90.8	100	96	546	102.6	125	109	566	95.6	125	101	551	107.4	125	115	115	571	571	571	571				
		HIGH-High Efficiency	102.2	125	109	625	114.0	125	122	645	107.0	125	114	630	118.8	150	128	128	650	650	650	650				
		STD	49.8	60	52	278	56.0	70	60	290	52.0	60	55	280	58.2	70	62	62	292	292	292	292				
		MED-High Efficiency	49.8	60	52	278	56.0	70	60	290	52.0	60	55	280	58.2	70	62	62	292	292	292	292				
		HIGH-High Efficiency	55.5	60	59	318	61.7	70	66	330	57.7	70	62	320	63.9	80	69	69	332	332	332	332				
48HC**24	575-3-60	STD	35.5	45	37	204	40.3	50	43	212	37.2	45	39	206	42.0	50	45	45	214	214	214	214				
		MED-High Efficiency	37.5	45	40	202	42.3	50	45	210	39.2	50	42	204	44.0	50	47	47	212	212	212	212				
		HIGH-High Efficiency	39.4	50	42	229	44.2	50	47	237	41.1	50	44	231	45.9	50	49	49	239	239	239	239				
		STD	116.0/116.0	150/150	120/119	590	127.8/127.8	175/175	133/132	610	120.8/120.8	150/150	125/124	595	132.6/132.6	175/175	139/138	139/138	615	615	615	615				
		MED-High Efficiency	119.5	150	124	586	131.3	175	137	606	124.3	150	129	591	136.1	175	143	143	611	611	611	611				
		HIGH-High Efficiency	130.9	175	137	665	142.7	175	150	685	135.7	175	142	670	147.5	175	156	156	690	690	690	690				
	460-3-60	STD	53.0	60	56	306	59.2	70	63	318	55.2	60	58	308	61.4	70	65	65	320	320	320	320				
		MED-High Efficiency	55.2	60	58	304	61.4	70	65	316	57.4	70	61	306	63.6	80	68	68	318	318	318	318				
		HIGH-High Efficiency	60.9	70	65	344	67.1	80	72	356	63.1	80	67	346	69.3	80	74	74	358	358	358	358				
		STD	40.4	50	42	228	45.2	50	48	236	42.1	50	44	230	46.9	60	50	50	238	238	238	238				
		MED-High Efficiency	42.4	50	45	226	47.2	60	50	234	44.1	50	46	228	48.9	60	52	52	236	236	236	236				
		HIGH-High Efficiency	44.3	50	47	253	49.1	60	52	261	46.0	60	49	255	50.8	60	54	54	263	263	263	263				

1 – STD static is not available on 48HC\*\*28 horizontal.

See: "Legend and Notes for Tables 1 – 8" on page 22.

**Table 3 – 48HC 17-28 Unit Wire/Fuse or HACR Breaker Sizing Data - 2-Speed Indoor Fan Motor**

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.						w/ PWRD C.O.									
			NO P.E.			w/ P.E. (pwrdr fr/ unit)			NO P.E.			w/ P.E. (pwrdr fr/ unit)						
			MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA				
48HC**17	208/230-3-60	STD	69.4/88.6	90/90	73/72	390	86/85	410	74.2/73.4	90/90	78/77	395	86.0/85.2	100/100	92/91	415		
		MED	71.6/70.6	90/90	75/74	414	83.4/82.4	434	76.4/75.4	100/100	81/79	419	88.2/87.2	100/100	94/93	439		
		HIGH	74.4/73.5	90/90	78/77	425	86.2/85.3	445	79.2/78.3	100/100	84/83	430	91.0/90.1	100/100	97/96	450		
		MED	36.4	45	38	245	42.6	50	45	257	38.6	41	247	44.8	50	48	259	
		HIGH	37.9	50	40	250	44.1	50	47	262	40.1	42	252	46.3	50	50	264	
48HC**20	460-3-60	STD	27.9	35	29	184	32.7	40	35	192	29.6	31	186	34.4	40	37	194	
		MED	27.9	35	29	184	32.7	40	35	192	29.6	31	186	34.4	40	37	194	
		HIGH	29.6	35	31	198	34.4	40	37	206	31.3	40	33	200	36.1	45	39	208
		STD	76.3/75.3	100/100	80/79	444	88.1/87.1	100/100	93/92	464	81.1/80.1	100/100	85/84	449	92.9/91.9	100/100	99/98	469
		MED	79.1/78.2	100/100	83/82	455	90.9/90.0	100/100	97/96	475	83.9/83.0	100/100	89/88	460	95.7/94.8	110/110	102/101	480
48HC**24	208/230-3-60	STD	82.6	100	87	451	94.4	110	101	471	87.4	100	93	456	125	106	476	
		MED	36.7	45	39	247	42.9	50	46	259	38.9	50	41	249	45.1	50	48	261
		HIGH	38.2	50	40	252	44.4	50	47	264	40.4	43	254	46.6	50	50	266	
		STD	27.9	35	29	186	32.7	40	35	194	29.6	31	188	34.4	40	37	196	
		MED	29.6	35	31	200	34.4	40	37	208	31.3	40	33	202	36.1	45	39	210
48HC**28 1	208/230-3-60	STD	87.3/86.4	100/100	92/91	550	99.1/98.2	125/125	105/104	570	92.1/91.2	100/100	97/96	555	103.9/103.0	125/125	111/110	575
		MED	90.8	100	96	546	102.6	125	109	566	95.6	125	101	551	107.4	125	115	571
		HIGH	102.2	125	109	625	114.0	125	122	645	107.0	125	114	630	118.8	150	128	650
		STD	47.6	60	50	280	53.8	60	57	292	49.8	60	52	282	56.0	70	60	294
		MED	49.8	60	52	278	56.0	70	60	290	52.0	60	55	280	58.2	70	62	292
48HC**28 1	460-3-60	STD	39.4	50	42	229	44.2	50	47	237	41.1	50	44	231	45.9	50	49	239
		MED	116.0/115.1	150/150	120/119	590	127.8/126.9	175/175	133/132	610	120.8/119.9	150/150	125/124	595	132.6/131.7	175/175	139/138	615
		HIGH	119.5	150	124	586	131.3	175	137	606	124.3	150	129	591	136.1	175	143	611
		STD	53.0	60	56	306	59.2	70	63	318	55.2	60	58	308	61.4	70	65	320
		MED	55.2	60	58	304	61.4	70	65	316	57.4	70	61	306	63.6	80	68	318
48HC**28 1	575-3-60	STD	60.9	70	65	344	67.1	80	72	356	63.1	80	67	346	69.3	80	74	358
		MED	41.0	50	43	228	45.8	60	48	236	42.7	50	45	230	47.5	60	50	238
		HIGH	42.4	50	45	226	47.2	60	50	234	44.1	50	46	228	48.9	60	52	236
		STD	44.3	50	47	253	49.1	60	52	261	46.0	60	49	255	50.8	60	54	263
		MED	44.3	50	47	253	49.1	60	52	261	46.0	60	49	255	50.8	60	54	263

1 – STD static is not available on 48HC\*\*28 horizontal.

See: "Legend and Notes for Tables 1 – 8" on page 22.

Table 4 – 48HC 08-12 Unit Wire Sizing Data with Factory Installed HACR Breaker - 2-Speed Indoor Fan Motor

UNIT	NOM. V-Ph-Hz	IFM TYPE	NO C.O. or UNPWR C.O.															w/ PWRD C.O.														
			NO PE.					w/ P.E. (pwrd fr/ unit)					NO PE.					w/ P.E. (pwrd fr/ unit)														
			HACR BRKR	FLA	DISC. SIZE		MCA	HACR BRKR	FLA	DISC. SIZE		MCA	HACR BRKR	FLA	DISC. SIZE		MCA	HACR BRKR	FLA	DISC. SIZE												
					LRA	LRA				LRA	LRA				LRA	LRA																
48HC**17	208/230-3-60	STD	69.4/89.4	90/90	73/72	390	81.2/81.2	100/100	86/85	410	74.2/74.2	90/90	78/77	395	86.0/86.0	100/100	92/91	415	415													
		MED	71.6/71.6	90/90	75/74	414	83.4/83.4	100/100	89/88	434	76.4/76.4	100/100	81/79	419	88.2/88.2	100/100	94/93	439	439													
		HIGH	74.4/74.4	90/90	78/77	425	86.2/86.2	100/100	92/91	445	79.2/79.2	100/100	84/83	430	91.0/91.0	100/100	97/96	450	450													
		STD	35.3	45	37	233	41.5	50	44	245	257	38.6	50	41	247	44.8	50	48	259	259												
		MED	36.4	45	38	245	42.6	50	45	257	282	40.1	50	42	252	46.3	50	50	264	264												
		HIGH	37.9	50	40	250	44.1	50	47	262	282	40.1	50	42	252	46.3	50	50	264	264												
		STD	27.9	35	29	184	32.7	40	35	192	192	29.6	35	31	186	34.4	40	37	194	194												
		MED	27.9	35	29	184	32.7	40	35	192	192	29.6	35	31	186	34.4	40	37	194	194												
		HIGH	29.6	35	31	198	34.4	40	37	206	206	31.3	40	33	200	36.1	45	39	208	208												
		STD	76.3/76.3	100/100	80/79	444	88.1/88.1	100/100	93/92	464	81.1/81.1	100/100	85/84	449	92.9/92.9	100/100	99/98	469	469													
		MED	79.1/79.1	100/100	83/82	455	90.9/90.9	100/100	97/96	475	83.9/83.9	100/100	89/88	460	95.7/95.7	110/110	102/101	480	480													
		HIGH	82.6	100	87	451	94.4	110	101	471	87.4	100	87	456	99.2	125	106	476	476													
		STD	36.7	45	39	247	42.9	50	46	259	259	38.9	50	41	249	45.1	50	48	261	261												
		MED	38.2	50	40	252	44.4	50	47	264	264	40.4	50	43	254	46.6	50	50	266	266												
		HIGH	40.4	50	43	250	46.6	50	50	282	282	42.6	50	45	252	48.8	60	52	284	284												
STD	27.9	35	29	186	32.7	40	35	194	194	29.6	35	31	188	34.4	40	37	196	196														
MED	29.6	35	31	200	34.4	40	37	208	208	31.3	40	33	202	36.1	45	39	210	210														
HIGH	31.0	40	33	198	35.8	45	38	206	206	32.7	40	35	200	37.5	45	40	208	208														
STD	87.3/87.3	100/100	92/91	550	99.1/99.1	125/125	105/104	570	92.1/92.1	100/100	97/96	555	103.9/103.9	125/125	111/110	575	575															
MED	90.8	100	96	546	102.6	125	109	566	566	95.6	125	101	551	107.4	125	115	571	571														
HIGH	102.2	125	109	625	114.0	125	122	645	645	107.0	125	114	630	118.8	150	128	650	650														
STD	47.6	60	50	280	53.8	60	57	292	292	49.8	60	52	282	56.0	70	60	294	294														
MED	49.8	60	52	278	56.0	70	60	290	290	52.0	60	55	280	58.2	70	62	292	292														
HIGH	55.5	60	59	318	61.7	70	66	330	330	57.7	70	62	320	63.9	80	69	332	332														
STD	36.1	45	38	204	40.9	50	43	212	212	37.8	45	40	206	42.6	50	45	214	214														
MED	37.5	45	40	202	42.3	50	45	210	210	39.2	50	42	204	44.0	50	47	212	212														
HIGH	39.4	50	42	229	44.2	50	47	237	237	41.1	50	44	231	45.9	50	49	239	239														
STD	116.0/116.0	150/150	120/119	590	127.8/127.8	175/175	133/132	610	120.8/120.8	150/150	125/124	595	132.6/132.6	175/175	139/138	615	615															
MED	119.5	150	124	586	131.3	175	137	606	606	124.3	150	129	591	136.1	175	143	611	611														
HIGH	130.9	175	137	665	142.7	175	150	685	685	135.7	175	142	670	147.5	175	156	690	690														
STD	53.0	60	56	306	59.2	70	63	318	318	55.2	60	58	308	61.4	70	65	320	320														
MED	55.2	60	58	304	61.4	70	65	316	316	57.4	70	61	306	63.6	80	68	318	318														
HIGH	60.9	70	65	344	67.1	80	72	356	356	63.1	80	67	346	69.3	80	74	358	358														
STD	41.0	50	43	228	45.8	60	48	236	236	42.7	50	45	230	47.5	60	50	238	238														
MED	42.4	50	45	226	47.2	60	50	234	234	44.1	50	46	228	48.9	60	52	236	236														
HIGH	44.3	50	47	253	49.1	60	52	261	261	46.0	60	49	255	50.8	60	54	263	263														

1 – STD static is not available on 48HC\*\*28 horizontal.

See: "Legend and Notes for Tables 1 – 8" on page 22.

Table 5 – 50HC 17-28 Unit Wire/Fuse or HACR Breaker Sizing Data - Single Speed Indoor Fan Motor

UNIT	NO M, V-PH-HZ	ELEC. HTR					NO C.O. or UNPWR C.O.					w/ PWRD C.O.							
		CRHEATER**A00 VERT/HORIZ	Nom (kW)	FLA	NO PE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)					
					MCA	FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA			
50HC**17	460-3-60	STD	NONE	18.8/25.0	52.1/60.1	71	393	80.1	100	85	413	73.1	90	77	398	84.9	100	90	418
						71/78	393/393	89.3/99.3	100/100	89/91	413/413	80.5/90.5	90/100	77/83	398/398	95.3/105.3	100/110	90/97	418/418
						128/147	393/393	154.4/144.4	175/150	142/161	413/413	145.6/135.7	150/150	134/152	398/398	160.4/150.4	175/175	148/166	418/418
50HC**17	208/230-3-60	MED	NONE	18.8/25.0	52.1/60.1	75	423	83.2	100	88	443	76.2	100	80	428	86.0	100	94	448
						75/81	423/423	93.1/103.1	100/110	88/95	443/443	84.4/94.4	100/100	80/87	428/428	99.1/109.1	100/110	94/100	448/448
						132/151	423/423	158.3/148.3	175/175	148/164	443/443	149.5/139.6	150/150	138/156	428/428	164.3/154.3	175/175	151/170	448/448
50HC**17	460-3-60	HIGH	NONE	18.8/25.0	52.1/60.1	108	234	102.2	110	115	246	97.2	100	110	248	105.0	110	117	248
						108/108	234/234	102.2/102.2	110/110	115/115	246/246	97.2/97.2	100/100	110/110	248/248	105.0/105.0	110/110	117/117	248/248
						135/153	246/246	182.0/150.9	175/175	149/167	445/445	153.3/142.2	175/175	141/158	430/430	168.0/156.9	175/175	155/172	450/450
50HC**17	460-3-60	MED	NONE	18.8/25.0	52.1/60.1	110	249	104.6	110	117	261	99.6	110	112	251	107.3	125	119	263
						110/110	249/249	104.6/104.6	110/110	117/117	261/261	99.6/99.6	110/110	112/112	251/251	107.3/107.3	125/125	119/119	263/263
						135/153	249/249	182.0/150.9	175/175	149/167	445/445	153.3/142.2	175/175	141/158	430/430	168.0/156.9	175/175	155/172	450/450
50HC**17	460-3-60	HIGH	NONE	18.8/25.0	52.1/60.1	111	250	106.0	125	118	262	101.0	110	114	252	108.7	125	121	264
						111/111	250/250	106.0/106.0	125/125	118/118	262/262	101.0/101.0	110/110	114/114	252/252	108.7/108.7	125/125	121/121	264/264
						135/153	250/250	182.0/150.9	175/175	149/167	445/445	153.3/142.2	175/175	141/158	430/430	168.0/156.9	175/175	155/172	450/450
50HC**17	208/230-3-60	STD	NONE	18.8/25.0	52.1/60.1	27	184	31.0	40	33	192	27.9	35	29	186	32.7	40	35	194
						27/27	184/184	31.0/31.0	40/40	33/33	192/192	27.9/27.9	35/35	29/29	186/186	32.7/32.7	40/40	35/35	194/194
						31/31	184/184	39.4/39.4	40/40	36/36	192/192	35.5/35.5	40/40	33/33	186/186	41.5/41.5	45/45	38/38	194/194
50HC**17	208/230-3-60	MED	NONE	18.8/25.0	52.1/60.1	58	184	69.1	70	64	192	65.3	70	60	186	71.3	80	66	194
						58/58	184/184	69.1/69.1	70/70	64/64	192/192	65.3/65.3	70/70	60/60	186/186	71.3/71.3	80/80	66/66	194/194
						71/66	184/184	81.1/81.1	90/90	81/77	192/192	77.2/77.2	80/80	88/88	186/186	83.2/83.2	90/90	93/93	194/194
50HC**17	208/230-3-60	HIGH	NONE	18.8/25.0	52.1/60.1	89	198	84.6	90	94	206	80.7	90	91	200	86.7	90	96	208
						89/89	198/198	84.6/84.6	90/90	94/94	206/206	80.7/80.7	90/90	91/91	200/200	86.7/86.7	90/90	96/96	208/208
						89/89	198/198	84.6/84.6	90/90	94/94	206/206	80.7/80.7	90/90	91/91	200/200	86.7/86.7	90/90	96/96	208/208

See: "Legend and Notes for Tables 1 – 8" on page 22.

Table 5 - 50HC 17-28 Unit Wire/Fuse or HACR Breaker Sizing Data - Single Speed Indoor Fan Motor (cont)

UNIT	NO M, V, Pn-HZ	ELEC. HTR			NO C.O. or UNPWR C.O.							w/ PWRD C.O.									
		CRHEATER**A00 VERT/HORIZ	Nom (kW)	FLA	NO PE.		w/ P.E. (pwrdf fr/unit)		NO PE.		w/ P.E. (pwrdf fr/unit)		NO PE.		w/ P.E. (pwrdf fr/unit)						
				MCA	MAX FUSE or HACR BRKR	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE			
						FLA	LRA			FLA	LRA			FLA	LRA			FLA	LRA		
50HC**20	460-3-60	STD	NONE	-	-	-	-	75.7	100	79	440	87.5	100	93	460	80.5	100	85	445		
			279/270A00	18.8/25.0	52.1/60.1	77.9/87.9	440/440	92.6/102.6	100/110	93/94	460/460	83.9/93.9	100/100	89/86	445/445	98.6/108.6	100/110	98/100	465/465		
			280/271A00	37.6/50.0	104.2/120.3	143.0/133.1	440/440	157.8/147.8	175/175	145/164	460/460	149.0/139.1	150/150	137/156	445/445	163.8/153.8	175/175	151/169	465/465		
		MED	281/272A00	56.3/75.0	156.4/180.4	189.2/193.2	200/225	192/219	440/440	183.9/207.9	200/225	205/233	460/460	175.2/199.2	200/225	197/225	445/445	200/225	211/238	465/465	
			NONE	-	-	79.1/78.2	100/100	83/82	455	90.9/90.0	100/100	97/96	475	83.9/83.0	100/100	89/88	460	110/110	102/101	480	
			279/270A00	18.8/25.0	52.1/60.1	82.1/91.0	100/100	83/84	455/455	96.9/105.8	100/110	97/97	475/475	88.1/97.0	100/100	89/89	460/460	102.9/111.8	110/125	102/103	480/480
		HIGH-High Efficiency	280/271A00	37.6/50.0	104.2/120.3	147.3/136.2	150/150	135/153	455/455	162.0/150.9	175/175	149/167	475/475	153.3/142.2	175/175	141/158	460/460	168.0/156.9	175/175	155/172	480/480
			281/272A00	56.3/75.0	156.4/180.4	173.4/196.3	200/225	196/222	455/455	188.2/211.0	200/225	209/236	475/475	179.4/202.3	200/225	201/228	460/460	194.2/217.0	200/250	215/241	480/480
			NONE	-	-	82.6	100	87	451	94.4	110	101	471	87.4	100	93	456	99.2	125	106	476
50HC**20	460-3-60	STD	279/270A00	18.8/25.0	52.1/60.1	86.5/96.5	100/100	87/89	451/451	101.3/111.3	110/125	101/102	471/471	92.5/102.5	100/110	93/94	456/456	107.3/117.3	125/125	106/108	
			280/271A00	37.6/50.0	104.2/120.3	151.6/141.7	175/175	139/158	451/451	166.4/156.4	175/175	153/172	471/471	157.6/147.7	175/175	145/164	456/456	172.4/162.4	175/175	159/177	
			281/272A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227	451/451	192.5/216.5	200/250	213/241	471/471	183.8/207.8	200/225	205/233	456/456	198.5/222.5	200/250	219/246	
		MED	NONE	-	-	36.6	45	38	245	42.8	50	46	257	38.8	50	41	247	45.0	50	48	
			282/273A00	25.0	30.1	43.6	45	40	245	51.4	60	47	257	46.4	50	43	247	54.1	60	50	
			283/274A00	50.0	60.1	66.1	80	75	245	73.9	80	82	257	68.9	80	77	247	76.6	80	84	
		HIGH-High Efficiency	284/275A00	75.0	90.2	96.2	100	109	245	104.0	110	116	257	99.0	100	112	247	106.7	110	119	
			NONE	-	-	40.4	50	43	250	46.6	50	50	262	42.6	50	45	252	48.8	60	52	
			282/273A00	25.0	30.1	48.4	50	45	250	56.1	60	52	262	51.1	60	47	252	58.9	60	54	
575-3-60	575-3-60	STD	283/274A00	50.0	60.1	70.9	80	79	250	78.6	80	86	262	73.6	80	82	252	81.4	90	89	
			284/275A00	75.0	90.2	101.0	110	114	250	108.7	125	121	262	103.7	125	116	252	111.5	125	123	
			NONE	-	-	26.2	30	27	186	31.0	40	33	194	27.9	35	29	188	32.7	40	35	
		MED	285/276A00	24.8	23.9	33.4	35	31	186	39.4	40	36	194	35.5	40	33	188	41.5	45	38	
			286/277A00	49.6	47.7	63.1	70	58	186	69.1	70	64	194	65.3	70	60	188	71.3	80	66	
			287/278A00	74.4	71.6	75.1	80	86	186	81.1	90	91	194	77.2	80	88	188	83.2	90	93	
		HIGH-High Efficiency	NONE	-	-	29.0	35	31	200	33.8	40	36	208	30.7	40	33	202	35.5	45	38	
			285/276A00	24.8	23.9	36.9	40	34	200	42.9	45	39	208	39.0	40	36	202	45.0	50	41	
			286/277A00	49.6	47.7	66.6	70	61	200	72.6	80	67	208	68.8	70	63	202	74.8	80	69	
STD	287/278A00	74.4	71.6	78.6	90	89	200	84.6	90	94	208	80.7	90	91	202	86.7	90	96			
	NONE	-	-	31.0	40	33	198	35.8	45	38	206	32.7	40	35	200	37.5	45	40			
	285/276A00	24.8	23.9	39.4	40	36	198	45.4	50	42	206	41.5	45	38	200	47.5	50	44			
HIGH-High Efficiency	286/277A00	49.6	47.7	69.1	70	64	198	75.1	80	69	206	71.3	80	66	200	77.3	80	71			
	287/278A00	74.4	71.6	81.1	90	91	198	87.1	90	97	206	83.2	90	93	200	89.2	90	99			
	NONE	-	-	31.0	40	33	198	35.8	45	38	206	32.7	40	35	200	37.5	45	40			

See: "Legend and Notes for Tables 1 - 8" on page 22.

**Table 5 - 50HC 17-28 Unit Wire/Fuse or HACR Breaker Sizing Data - Single Speed Indoor Fan Motor (cont)**

UNIT	NO M, V, Ph-HZ	ELEC. HTR				NO C.O. or UNPWR C.O.								w/ PWRD C.O.									
		CRHEATER**A00 VERT/HORIZ	Nom (kW)	FLA	MCA	NO PE.				w/ P.E. (pwrdr fr/unit)				NO PE.				w/ P.E. (pwrdr fr/unit)					
						MAX FUSE or HACR BRKR	MCA	DISC. SIZE FLA	LRA	MCA	MAX FUSE or HACR BRKR	MCA	DISC. SIZE FLA	LRA	MCA	MAX FUSE or HACR BRKR	MCA	DISC. SIZE FLA	LRA	MCA	MAX FUSE or HACR BRKR	FLA	LRA
50HC**24	460-3-60	STD	NONE	18.8/25.0	—	90.8	100	96	546	102.6	125	109	566	95.6	125	101	551	107.4	125	115	115	571	
				279/270A00	18.8/25.0	52.1/60.1	90.8/96.5	100/100	96/96	546/546	102.6/111.3	125/125	109/109	566/566	95.6/102.5	125/125	101/101	551/551	107.4/117.3	125/125	115/115	115/115	571/571
				280/271A00	37.6/50.0	104.2/120.3	151.6/141.7	175/175	139/158	546/546	166.4/156.4	175/175	153/172	566/566	157.6/147.7	175/175	145/164	551/551	172.4/162.4	175/175	159/177	159/177	571/571
				281/272A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227	546/546	192.5/216.5	200/250	213/241	566/566	183.8/207.8	200/225	205/233	551/551	198.5/222.5	200/250	219/246	219/246	571/571
50HC**24	460-3-60	MED-High Efficiency	NONE	18.8/25.0	—	102.2	125	109	625	114.0	125	122	645	107.0	125	114	630	118.8	150	128	128	650	
				279/270A00	18.8/25.0	52.1/60.1	90.8/96.5	100/100	96/96	546/546	102.6/111.3	125/125	109/109	566/566	95.6/102.5	125/125	101/101	551/551	107.4/117.3	125/125	115/115	115/115	571/571
				280/271A00	37.6/50.0	104.2/120.3	151.6/141.7	175/175	139/158	546/546	166.4/156.4	175/175	153/172	566/566	157.6/147.7	175/175	145/164	551/551	172.4/162.4	175/175	159/177	159/177	571/571
				281/272A00	56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227	546/546	192.5/216.5	200/250	213/241	566/566	183.8/207.8	200/225	205/233	551/551	198.5/222.5	200/250	219/246	219/246	571/571
50HC**24	460-3-60	STD	NONE	25.0	30.1	49.8	60	52	278	56.0	70	60	290	52.0	60	55	280	58.2	70	62	62	292	
				282/273A00	25.0	30.1	49.8	60	52	278	56.0	70	60	290	52.0	60	55	280	58.2	70	62	62	292
				283/274A00	50.0	60.1	70.9	80	79	278	78.6	80	86	290	73.6	80	82	280	81.4	90	89	89	292
				284/275A00	75.0	90.2	101.0	110	114	278	108.7	125	127	300	103.7	125	116	280	111.5	125	123	123	292
50HC**24	460-3-60	MED-High Efficiency	NONE	25.0	30.1	55.5	60	59	318	61.7	70	66	330	57.7	70	62	320	63.9	80	69	69	332	
				282/273A00	25.0	30.1	55.5	60	59	318	61.7	70	66	330	57.7	70	62	320	63.9	80	69	69	332
				283/274A00	50.0	60.1	78.0	90	86	318	85.7	90	93	330	80.7	90	88	320	88.5	100	95	95	332
				284/275A00	75.0	90.2	108.1	125	120	318	115.8	125	127	330	110.8	125	123	320	118.6	125	130	130	332
50HC**24	460-3-60	HIGH-High Efficiency	NONE	24.8	23.9	36.9	45	37	204	40.3	50	43	212	37.2	45	39	206	42.0	50	45	45	214	
				285/276A00	24.8	23.9	36.9	45	37	204	40.3	50	43	212	37.2	45	39	206	42.0	50	45	45	214
				286/277A00	49.6	47.7	66.6	70	61	204	72.6	80	67	212	68.8	70	63	206	74.8	80	69	69	214
				287/278A00	74.4	71.6	78.6	90	89	204	84.6	90	94	212	80.7	90	91	206	86.7	90	96	96	214
50HC**24	460-3-60	STD	NONE	24.8	23.9	37.5	45	40	202	42.3	50	45	210	39.2	50	42	204	44.0	50	47	47	212	
				285/276A00	24.8	23.9	37.5	45	40	202	42.3	50	45	210	39.2	50	42	204	44.0	50	47	47	212
				286/277A00	49.6	47.7	68.1	70	64	202	75.1	80	69	210	71.3	80	66	204	77.3	80	71	71	212
				287/278A00	74.4	71.6	81.1	90	91	202	87.1	90	97	210	83.2	90	93	204	89.2	90	99	99	212
50HC**24	460-3-60	MED-High Efficiency	NONE	24.8	23.9	39.4	50	42	229	44.2	50	47	237	41.1	50	44	231	45.9	50	49	49	239	
				285/276A00	24.8	23.9	39.4	50	42	229	44.2	50	47	237	41.1	50	44	231	45.9	50	49	49	239
				286/277A00	49.6	47.7	71.5	80	66	229	77.5	80	71	237	73.6	80	68	231	79.6	80	73	73	239
				287/278A00	74.4	71.6	83.5	90	93	229	89.5	100	99	237	85.6	100	95	231	91.6	100	101	101	239

See: "Legend and Notes for Tables 1 - 8" on page 22.



**Table 5 - 50HC 17-28 Unit Wire/Fuse or HACR Breaker Sizing Data - Single Speed Indoor Fan Motor (cont)**

UNIT	NO M, V-PH-HZ	ELEC. HTR				NO C.O. or UNPWR C.O.										w/ PWRD C.O.									
		CRHEATER**A00 VERT/HORIZ	Nom (kW)	FLA	MCA	NO PE.				w/ P.E. (pwr'd fr/unit)				NO PE.				w/ P.E. (pwr'd fr/unit)							
						MAX FUSE or HACR BRKR	DISC. SIZE FLA	DISC. SIZE LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA	DISC. SIZE LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA	DISC. SIZE LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA	DISC. SIZE LRA					
50HC**28	STD	NONE	18.8/25.0	52.1/60.1	116.0/115.1	150/150	120/119	590	133/132	610	120.8/119.9	150/150	150/150	133/132	595	132.6/131.7	175/175	139/138	615						
						150/150	120/119	590/590	133/132	610/610	120.8/119.9	150/150	150/150	133/132	595/595	132.6/131.7	175/175	139/138	615/615						
						150/150	135/153	590/590	149/167	610/610	153.3/142.2	175/175	141/158	595/595	168.0/156.9	175/175	155/172	615/615							
						200/225	196/222	590/590	209/236	610/610	178.4/202.3	200/225	201/228	595/595	194.2/217.0	200/250	215/241	615/615							
208/230-3-60	MED-High Efficiency	NONE	18.8/25.0	52.1/60.1	119.5/119.5	150/150	124/124	586/586	137/137	606/606	124.3/124.3	150/150	150/150	137/137	591/591	136.1/136.1	175/175	143/143	611						
						150/150	124/124	586/586	137/137	606/606	124.3/124.3	150/150	150/150	137/137	591/591	136.1/136.1	175/175	143/143	611/611						
						175/175	139/158	586/586	153/172	606/606	157.6/147.7	175/175	145/164	591/591	172.4/162.4	175/175	159/177	611/611							
						200/225	200/227	586/586	213/241	606/606	183.8/207.8	200/225	205/233	591/591	198.5/222.5	200/250	219/246	611/611							
460-3-60	STD	NONE	18.8/25.0	52.1/60.1	130.9/130.9	175/175	137/137	665/665	150/150	685/685	135.7/135.7	175/175	175/175	142/142	670/670	147.5/147.5	175/175	156/156	680						
						175/175	137/137	665/665	150/150	685/685	135.7/135.7	175/175	175/175	142/142	670/670	147.5/147.5	175/175	156/156	680/680						
						200/250	213/240	665/665	166/185	685/685	171.9/161.9	200/175	158/177	670/670	186.6/176.7	200/200	172/190	680/680							
						200/250	213/240	665/665	226/254	685/685	198.0/222.0	225/250	218/246	670/670	212.8/236.8	225/250	232/259	680/680							
460-3-60	MED-High Efficiency	NONE	25.0	30.1	53.0	60	56	306	63	318	55.2	60	60	58	308	61.4	70	65	320						
						60	56	306	63	318	55.2	60	60	58	308	61.4	70	65	320						
						80	76	306	84	318	70.9	80	79	308	78.6	80	86	320							
						100	111	306	118	318	101.0	110	114	308	108.7	125	121	320							
575-3-60	STD	NONE	24.8	23.9	40.4	70	65	344	72	356	63.1	70	70	67	346	69.3	80	74	358						
						70	65	344	72	356	63.1	70	70	67	346	69.3	80	74	358						
						90	86	344	93	356	80.7	90	88	346	88.5	100	95	358							
						125	120	344	127	356	110.8	125	123	346	118.6	125	130	358							
575-3-60	MED-High Efficiency	NONE	24.8	23.9	40.4	50	42	228	48	236	42.1	50	50	44	230	46.9	60	50	238						
						50	42	228	48	236	42.1	50	50	44	230	46.9	60	50	238						
						70	61	228	67	236	68.8	70	63	230	74.8	80	69	238							
						90	89	228	94	236	80.7	90	91	230	86.7	90	96	238							
575-3-60	HIGH-High Efficiency	NONE	24.8	23.9	44.3	50	45	226	50	234	44.1	50	50	46	228	48.9	60	52	236						
						50	45	226	50	234	44.1	50	50	46	228	48.9	60	52	236						
						70	64	226	69	234	71.3	80	66	228	77.3	80	71	236							
						90	91	226	97	234	83.2	90	93	228	89.2	90	99	236							
575-3-60	HIGH-High Efficiency	NONE	24.8	23.9	44.3	50	47	253	52	261	46.0	60	60	49	255	50.8	60	54	263						
						50	47	253	52	261	46.0	60	60	49	255	50.8	60	54	263						
						80	66	253	71	261	73.6	80	68	255	79.6	80	73	263							
						90	93	253	99	261	85.6	90	95	255	91.6	100	101	263							

See: "Legend and Notes for Tables 1 - 8" on page 22.



**Table 6 - 50HC 17-28 Unit Wire Sizing Data with Factory Installed HACR Breaker - Single Speed Indoor Fan Motor (cont)**

UNIT	ELEC. HTR			NO C.O. or UNPWR C.O.						w/ PWRD C.O.										
	IFM-TYPE	ORHEATER***A00 VERT/HORIZ	Nom (kW)	FLA	NO PE.			w/ P.E. (pwrd fr/unit)			NO PE.			w/ P.E. (pwrd fr/unit)						
					MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE		MCA	HACR BRKR	DISC. SIZE					
							FLA	LRA			FLA	LRA			FLA	LRA	FLA	LRA		
208/230-3-60	STD	NONE	-	-	75.7	100	79	440	87.5	100	93	460	80.5	100	85	445	92.3	100	85	445
					18.8/25.0	100/100	79/81	440/440	102.6/102.6	110/110	93/94	460/460	93.9/93.9	100/100	89/86	445/445	108.6/108.6	110/110	89/86	445/445
					37.6/50.0	150/150	132/150	440/440	157.8/157.8	175/175	145/164	460/460	149.0/149.0	150/150	137/156	445/445	163.8/163.8	175/175	137/156	445/445
					56.3/75.0	200/225	192/219	440/440	207.9/207.9	225/225	205/233	460/460	199.2/199.2	200/225	197/225	445/445	213.9/213.9	225/225	197/225	445/445
					18.8/25.0	100/100	83/82	455	90.9/90.9	100/100	97/96	475	83.9/83.9	100/100	89/88	480	95.7/95.7	110/110	89/88	480
208/230-3-60	MED	NONE	-	-	82.6	100	87	451	94.4	110	101	471	87.4	100	93	456	99.2	125	106	476
					18.8/25.0	100/100	83/84	455/455	105.8/105.8	110/110	97/97	475/475	97.0/97.0	100/100	89/89	460/460	111.8/111.8	125/125	102/103	480/480
					37.6/50.0	150/150	135/153	455/455	162.0/162.0	175/175	149/167	475/475	153.3/153.3	175/175	141/158	480/480	168.0/168.0	175/175	141/158	480/480
					56.3/75.0	200/225	196/222	455/455	211.0/211.0	225/225	209/236	475/475	202.3/202.3	225/225	201/228	460/460	217.0/217.0	225/250	215/241	480/480
					18.8/25.0	100/100	87/89	451/451	111.3/111.3	125/125	101/102	471/471	102.5/102.5	110/110	93/94	456/456	117.3/117.3	125/125	106/108	476/476
460-3-60	STD	NONE	-	-	36.6	45	38	245	42.8	50	46	257	38.8	50	41	247	45.0	50	48	259
					25.0	45	40	245	51.4	60	47	257	46.4	50	43	247	54.1	60	50	259
					50.0	80	75	245	73.9	80	82	257	68.9	80	77	247	76.6	80	84	259
					75.0	100	109	245	104.0	110	116	257	99.0	100	112	247	106.7	110	119	259
					25.0	50	40	252	44.4	50	47	264	48.4	50	43	254	46.6	50	50	266
460-3-60	MED	NONE	-	-	40.4	50	43	250	46.6	50	50	262	42.6	50	45	252	48.8	50	52	266
					25.0	50	45	250	56.1	60	52	262	51.1	60	47	252	58.9	60	54	264
					50.0	80	79	250	78.6	80	86	262	73.6	80	82	262	81.4	90	89	264
					75.0	100	114	250	108.7	125	121	262	103.7	110	116	262	111.5	125	123	264
					25.0	50	30	186	31.0	40	33	194	27.9	35	29	188	32.7	40	35	196
575-3-60	STD	NONE	-	-	28.0	35	31	200	33.8	40	36	208	30.7	40	33	202	35.5	45	38	210
					24.8	40	34	200	42.9	45	39	208	39.0	40	36	202	45.0	50	41	210
					49.6	70	61	200	72.6	80	67	208	68.8	70	63	202	74.8	80	69	210
					74.4	90	89	200	84.6	90	94	208	80.7	90	91	202	86.7	90	96	210
					24.8	40	33	198	35.8	45	38	206	32.7	40	35	200	37.5	45	40	208
575-3-60	MED	NONE	-	-	39.4	40	36	198	45.4	50	42	206	41.5	45	38	200	47.5	50	44	208
					49.6	70	64	198	75.1	80	69	206	71.3	80	66	200	77.3	80	71	208
					74.4	90	91	198	87.1	90	97	206	83.2	90	93	200	89.2	90	99	208

See: "Legend and Notes for Tables 1 - 8" on page 22.

**Table 6 - 50HC 17-28 Unit Wire Sizing Data with Factory Installed HACR Breaker - Single Speed Indoor Fan Motor (cont)**

UNIT	NO M. V-PH-HZ	ELEC. HTR				NO C.O. or UNPWR C.O.												w/ PWRD C.O.									
		ORHEATER***A00 VERT/HORIZ	Nom (kW)	FLA	NO PE.				w/ PE. (pwrd fr/unit)				NO PE.				w/ PE. (pwrd fr/unit)										
					HACR BRKR	MCA	HACR BRKR	MCA	HACR BRKR	MCA	HACR BRKR	MCA	HACR BRKR	MCA	HACR BRKR	MCA	HACR BRKR	MCA									

See: "Legend and Notes for Tables 1 - 8" on page 22.

**Table 6 - 50HC 17-28 Unit Wire Sizing Data with Factory Installed HACR Breaker - Single Speed Indoor Fan Motor (cont)**

UNIT	NO M. V-PH-HZ	ELEC. HTR			NO C.O. or UNPWR C.O.												w/ PWRD C.O.					
		IFM-TYPE	ORHEATER**A00 VERT/HORIZ	Nom (kW)	FLA	NO PE.				w/ P.E. (pwrd fr/unit)				NO PE.				w/ P.E. (pwrd fr/unit)				
						MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR
208/230-3-60	STD	NONE	-	-	-	116.0/116.0	150/150	120/119	590	133/132	610	120.8/120.8	150/150	125/124	595	132.6/132.6	175/175	139/138	615			
						116.0/116.0	150/150	120/119	590/590	133/132	610/610	120.8/120.8	150/150	125/124	595/595	132.6/132.6	175/175	139/138	615/615			
						147.3/147.3	150/150	135/153	590/590	149/167	610/610	153.3/153.3	175/175	141/158	595/595	166.0/168.0	175/175	155/172	615/615			
						196.3/196.3	200/225	196/222	590/590	209/236	610/610	202.3/202.3	225/225	201/228	595/595	217.0/217.0	225/250	215/241	615/615			
						119.5	150	124	586	137	606	124.3	175	129	591	136.1	175	143	611			
208/230-3-60	MED-High Efficiency	NONE	-	-	-	119.5/119.5	150/150	124/124	586/586	137/137	606/606	124.3/124.3	150/150	129/129	591/591	136.1/136.1	175/175	143/143	611/611			
						151.6/151.6	175/175	139/158	586/586	153/172	606/606	157.6/157.6	175/175	145/164	591/591	172.4/172.4	175/175	159/177	611/611			
						201.8/201.8	225/225	200/227	586/586	213/241	606/606	207.8/207.8	225/225	205/233	591/591	222.5/222.5	225/250	219/246	611/611			
						130.9	175	137	665	150	685	135.7	175	142	670	147.5	175	156	690			
						130.9/130.9	175/175	137/137	665/665	150/150	685/685	135.7/135.7	175/175	142/142	670/670	147.5/147.5	175/175	156/156	690/690			
460-3-60	STD	NONE	-	-	-	165.9/165.9	175/175	153/171	665/665	166/185	685/685	171.9/171.9	200/200	158/177	670/670	186.6/186.6	200/200	172/190	690/690			
						216.0/216.0	225/250	213/240	665/665	226/254	685/685	222.0/222.0	250/250	218/246	670/670	236.8/236.8	250/250	232/259	690/690			
						53.0	60	56	306	63	318	55.2	70	58	308	61.4	70	65	320			
						53.0	60	56	306	63	318	55.2	70	58	308	61.4	70	65	320			
						88.1	80	76	306	84	318	75.9	80	79	308	78.6	80	86	320			
460-3-60	MED-High Efficiency	NONE	-	-	-	101.0	110	114	304	121	316	103.7	125	116	306	111.5	125	123	318			
						55.2	60	58	304	65	316	57.4	70	61	306	63.6	80	68	318			
						55.2	60	58	304	65	316	57.4	70	61	306	63.6	80	68	318			
						70.9	80	79	304	86	316	73.6	80	82	306	81.4	90	89	318			
						108.1	110	114	304	121	316	103.7	125	116	306	111.5	125	123	318			
575-3-60	STD	NONE	-	-	-	60.9	70	65	344	72	356	63.1	80	67	346	69.3	80	74	358			
						60.9	70	65	344	72	356	63.1	80	67	346	69.3	80	74	358			
						78.0	90	86	344	93	356	80.7	90	88	346	88.5	100	95	358			
						108.1	125	120	344	127	356	110.8	125	123	346	118.6	125	130	358			
						40.4	50	42	228	48	236	42.1	50	44	230	46.9	60	50	238			
575-3-60	MED-High Efficiency	NONE	-	-	-	40.4	50	42	228	48	236	42.1	50	44	230	46.9	60	50	238			
						24.8	24.8	45	226	47.2	234	44.1	50	46	228	48.9	60	52	236			
						49.6	49.6	61	228	72.6	236	71.3	80	66	228	77.3	80	71	236			
						74.4	74.4	89	228	84.6	236	83.2	90	93	228	89.2	90	99	236			
						42.4	50	45	226	47.2	234	44.1	50	46	228	48.9	60	52	236			
575-3-60	STD	NONE	-	-	-	42.4	50	45	226	47.2	234	44.1	50	46	228	48.9	60	52	236			
						23.9	23.9	45	226	47.2	234	44.1	50	46	228	48.9	60	52	236			
						47.7	47.7	64	226	75.1	234	71.3	80	66	228	77.3	80	71	236			
						71.6	71.6	91	226	87.1	234	83.2	90	93	228	89.2	90	99	236			
						44.3	50	47	253	49.1	261	46.0	60	49	255	50.8	60	54	263			
575-3-60	MED-High Efficiency	NONE	-	-	-	44.3	50	47	253	49.1	261	46.0	60	49	255	50.8	60	54	263			
						24.8	24.8	47	253	49.1	261	46.0	60	49	255	50.8	60	54	263			
						49.6	49.6	66	253	77.5	261	73.6	80	68	255	79.6	80	73	263			
						74.4	74.4	93	253	89.5	261	85.6	100	95	255	91.6	100	101	263			
						44.3	50	47	253	49.1	261	46.0	60	49	255	50.8	60	54	263			

See: "Legend and Notes for Tables 1 - 8" on page 22.

**Table 7 – 50HC 17-28 Unit Wire/Fuse or HACR Breaker Sizing Data - 2-Speed Indoor Fan Motor**

UNIT	NO M, V-PH-HZ	ELEC. HTR			NO C.O. or UNPWR C.O.										w/ PWRD C.O.										
		CRHEATER**A00 VERT/HORIZ	Nom (KW)	FLA	NO PE.					w/ P.E. (pwrdr fr/unit)					NO PE.					w/ P.E. (pwrdr fr/unit)					
					MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	LRA	
50HC**17	460-3-60	STD	NONE	-	-	69.4/68.6	90/90	73/72	390	81.2/80.4	100/100	86/85	410	74.2/73.4	90/90	78/77	395	86.0/85.2	100/100	92/91	415	86.0/85.2	100/100	92/91	415
						75.9/84.9	90/90	73/78	390/390	90.8/99.6	100/100	86/92	410/410	81.9/90.9	90/100	78/84	395/395	96.6/105.6	100/110	82/97	415/415				
						141.0/130.1	150/150	130/147	390/390	155.8/144.8	175/150	143/161	410/410	147.0/136.1	150/150	135/153	395/395	161.8/150.8	175/175	149/166	415/415				
						167.2/160.2	200/200	190/216	390/390	181.9/204.9	200/225	203/230	410/410	173.2/196.2	200/225	195/222	395/395	187.9/210.9	200/225	209/236	415/415				
						71.6/70.6	90/90	75/74	414	83.4/82.4	100/100	89/88	434	76.4/75.4	100/100	81/79	419	88.2/87.2	100/100	84/93	439				
						78.6/87.4	90/90	75/80	414/414	93.4/102.1	100/110	89/94	434/434	84.6/93.4	100/100	81/86	419/419	99.4/108.1	100/110	94/99	439/439				
						143.8/132.6	150/150	132/150	414/414	158.5/147.3	175/175	146/163	434/434	149.8/138.6	150/150	138/155	419/419	164.5/153.3	175/175	151/169	439/439				
50HC**17	460-3-60	HIGH	NONE	-	-	74.4/73.5	90/90	78/77	425	86.2/85.3	100/100	92/91	445	79.2/78.3	100/100	84/83	430	91.0/90.1	100/100	97/96	450	91.0/90.1	100/100	97/96	450
						82.1/81.0	90/100	78/84	425/425	96.9/105.8	100/110	92/97	445/445	88.1/97.0	100/100	84/89	430/430	102.9/111.8	110/125	97/103	450/450				
						147.3/136.2	150/150	135/153	425/425	162.0/150.9	175/175	149/167	445/445	153.3/142.2	175/175	141/158	430/430	168.0/156.9	175/175	155/172	450/450				
						173.4/163.3	200/225	196/222	425/425	188.2/211.0	200/225	209/236	445/445	179.4/202.3	200/225	201/228	430/430	194.2/217.0	200/250	215/241	450/450				
						35.3	45	37	233	41.5	50	44	245	37.5	50.00	39	235	43.7	50.00	47	247				
						42.4	45	39	233	50.1	60	46	245	45.1	50.00	42	235	52.9	60.00	49	247				
						64.9	70	73	233	72.6	80	81	245	67.6	80.00	76	235	75.4	80.00	83	247				
50HC**17	460-3-60	STD	NONE	-	-	95.0	100	108	233	102.7	110	115	245	97.7	100	111	235	105.5	110	118	247	105.5	110	118	247
						36.4	45	38	245	42.6	50	47	257	38.6	50.00	41	247	44.8	50.00	48	259				
						43.8	45	40	245	51.5	60	47	257	46.5	50.00	43	247	54.3	60.00	50	259				
						66.2	80	75	245	74.0	80	82	257	69.0	80.00	77	247	76.7	80.00	84	259				
						96.3	100	109	245	104.1	110	116	257	99.1	100	112	247	106.8	110	119	259				
						37.9	50	40	250	44.1	50	47	262	40.1	50.00	42	252	46.3	50.00	50	264				
						45.6	50	42	250	53.4	60	49	262	48.4	50.00	45	252	56.1	60.00	52	264				
50HC**17	460-3-60	HIGH	NONE	-	-	68.1	80	76	250	75.9	80	84	262	70.9	80.00	79	252	78.6	80.00	86	264	78.6	80.00	86	264
						98.2	100	111	250	106.0	125	118	262	101.0	110	114	252	108.7	125	121	264				
						27.9	35	29	184	32.7	40	35	192	29.6	35.00	31	186	34.4	40.00	37	194				
						35.5	40	33	184	41.5	45	38	192	37.6	40.00	35	186	43.6	45.00	40	194				
						65.3	70	60	184	71.3	80	66	192	67.4	70.00	62	186	73.4	80.00	68	194				
						77.2	90	88	184	83.2	90	93	192	79.4	90	89	186	85.4	90	95	194				
						27.9	35	29	184	32.7	40	35	192	29.6	35.00	31	186	34.4	40.00	37	194				
50HC**17	460-3-60	STD	NONE	-	-	35.5	40	33	184	41.5	45	38	192	37.6	40.00	35	186	43.6	45.00	40	194	43.6	45.00	40	194
						65.3	70	60	184	71.3	80	66	192	67.4	70.00	62	186	73.4	80.00	68	194				
						77.2	90	88	184	83.2	90	93	192	79.4	90	89	186	85.4	90	95	194				
						29.6	35	31	198	34.4	40	37	206	31.3	40.00	33	200	36.1	45.00	39	208				
						37.6	40	35	198	43.6	45	40	206	39.8	40.00	37	200	45.8	50.00	42	208				
						67.4	70	62	198	73.4	80	68	206	69.5	70.00	64	200	75.5	80.00	69	208				
						79.4	90	89	198	85.4	90	95	206	81.5	90	91	200	87.5	90	97	208				

See: "Legend and Notes for Tables 1 – 8" on page 22.

Table 7 - 50HC17-28 Unit Wire/Fuse or HACR Breaker Sizing Data - 2-Speed Indoor Fan Motor (cont)

UNIT	NO M. V-PH-HZ	IFM-TYPE	ELEC. HTR		NO C.O. or UNPWR C.O.						NO PE.						w/ PWRD C.O.					
			ORHEATER***A00 VERT/HORIZ	Nom (kW)	FLA	NO PE.		w/ PE. (pwrd fr/unit)		NO PE.		w/ PE. (pwrd fr/unit)		NO PE.		w/ PE. (pwrd fr/unit)						
						MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	MCA	MAX FUSE or HACR BRKR	FLA	DISC. SIZE	
FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA				
50HC**20	208/230-3-60	STD	NONE	-	-	76.3/75.3	100/100	80/79	444	444	93/92	464	81.1/80.1	100/100	89/84	449	92.9/91.9	100/100	89/98	469		
			279/270A00	18.8/25.0	52.1/60.1	78.6/87.4	100/100	80/80	444/444	444/444	93/94	464/464	84.6/93.4	100/110	89/86	449/449	99.4/108.1	100/110	99/99	469/469		
			280/271A00	37.6/50.0	104.2/120.3	143.8/132.6	150/150	132/150	444/444	444/444	146/163	464/464	148.9/138.6	150/150	138/155	449/449	164.5/153.3	175/175	151/169	489/489		
			281/272A00	56.3/75.0	156.4/180.4	169.9/192.7	200/225	192/219	444/444	444/444	206/232	464/464	175.9/198.7	200/225	198/224	449/449	190.7/213.4	200/225	211/238	469/469		
460-3-60	208/230-3-60	MED	NONE	-	-	78.1/78.2	100/100	83/82	455	455	97/96	475	83.9/83.0	100/100	89/88	460	95.7/94.8	110/110	102/101	480		
			279/270A00	18.8/25.0	52.1/60.1	82.1/91.0	100/100	83/84	455/455	455/455	97/97	475/475	88.1/97.0	100/110	89/89	460/460	102.9/111.8	110/125	102/103	480/480		
			280/271A00	37.6/50.0	104.2/120.3	147.3/136.2	150/150	135/153	455/455	455/455	149/167	475/475	153.3/142.2	175/175	141/158	460/460	168.0/156.9	175/175	155/172	480/480		
			281/272A00	56.3/75.0	156.4/180.4	173.4/196.3	200/225	196/222	455/455	455/455	209/236	475/475	179.4/202.3	200/225	201/228	460/460	194.2/217.0	200/250	215/241	480/480		
460-3-60	460-3-60	STD	NONE	-	-	82.6	100	87	451	451	101	471	87.4	100.00	93	456	99.2	125.00	106	476		
			282/273A00	25.0	30.1	43.8	45	40	247	247	46	259	42.9	50	41	249	45.1	50.00	48	261		
			283/274A00	50.0	60.1	66.2	80	75	247	247	82	259	69.0	80	77	249	76.7	80.00	84	261		
			284/275A00	75.0	90.2	96.3	100	109	247	247	116	259	104.1	110	112	249	106.8	110	119	261		
575-3-60	575-3-60	MED	NONE	-	-	38.2	50	40	252	252	46	264	40.4	50.00	43	254	46.6	50.00	50	266		
			282/273A00	25.0	30.1	45.6	50	42	252	252	49	264	53.4	60	45	254	56.1	60.00	52	266		
			283/274A00	50.0	60.1	68.1	80	76	252	252	84	264	70.9	80	79	254	78.6	80.00	86	266		
			284/275A00	75.0	90.2	98.2	100	111	252	252	118	264	101.0	125	114	254	108.7	125	121	266		
575-3-60	575-3-60	HIGH	NONE	-	-	40.4	50	43	250	250	50	262	42.6	50.00	45	252	48.8	60.00	52	264		
			282/273A00	25.0	30.1	48.4	50	45	250	250	52	262	51.1	60.00	47	252	58.9	60.00	54	264		
			283/274A00	50.0	60.1	70.9	80	79	250	250	86	262	73.6	80	82	252	81.4	90.00	89	264		
			284/275A00	75.0	90.2	101.0	110	114	250	250	121	262	103.7	125	116	252	111.5	125	123	264		
575-3-60	575-3-60	STD	NONE	-	-	27.9	35	29	186	186	35	194	29.6	35.00	31	188	34.4	40.00	37	196		
			285/276A00	24.8	23.9	35.5	40	33	186	186	38	194	41.5	40	35	188	43.6	45.00	40	196		
			286/277A00	49.6	47.7	65.3	70	60	186	186	66	194	67.4	70	62	188	73.4	80.00	68	196		
			287/278A00	74.4	71.6	77.2	90	88	186	186	93	194	79.4	90	89	188	85.4	90	95	196		
575-3-60	575-3-60	MED	NONE	-	-	29.6	35	31	200	200	37	208	31.3	40.00	33	202	36.1	45.00	39	210		
			285/276A00	24.8	23.9	37.6	40	35	200	200	40	208	39.8	40.00	37	202	45.8	50.00	42	210		
			286/277A00	49.6	47.7	67.4	70	62	200	200	68	208	69.5	70.00	64	202	75.5	80.00	69	210		
			287/278A00	74.4	71.6	79.4	90	89	200	200	95	208	81.5	90	91	202	87.5	90	97	210		
575-3-60	575-3-60	HIGH	NONE	-	-	31.0	40	33	198	198	38	206	32.7	40.00	35	200	37.5	45.00	40	208		
			285/276A00	24.8	23.9	39.4	40	36	198	198	42	206	41.5	45.00	38	200	47.5	50.00	44	208		
			286/277A00	49.6	47.7	69.1	70	64	198	198	69	206	71.3	80.00	66	200	77.3	80.00	71	208		
			287/278A00	74.4	71.6	81.1	90	91	198	198	97	206	83.2	90	93	200	89.2	90	99	208		

See: "Legend and Notes for Tables 1 - 8 " on page 22.





Table 7 - 50HC17-28 Unit Wire/Fuse or HACR Breaker Sizing Data - 2-Speed Indoor Fan Motor (cont)

UNIT	NO M. V-PH-HZ	IFM-TYPE	ELEC. HTR		NO C.O. or UNPWR C.O.						w/ PWRD C.O.									
			ORHEATER***A00 VERT/HORIZ	Nom (kW)	FLA	NO PE.			w/ PE. (pwrd fr/unit)			NO PE.			w/ PE. (pwrd fr/unit)					
						MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA	MCA	MAX FUSE or HACR BRKR	DISC. SIZE FLA LRA			
STD	208/230-3-60	NONE	-	-	116.0/115.1	150/150	120/119	590	133/132	610	120.8/119.9	150/150	129/124	595	132.6/131.7	175/175	139/138	615		
					18.8/25.0	52.1/60.1	116.0/115.1	150/150	120/119	590/590	133/132	610/610	120.8/119.9	150/150	129/124	595/595	132.6/131.7	175/175	139/138	615/615
					37.6/50.0	104.2/120.3	147.3/136.2	150/150	135/153	590/590	149/167	610/610	153.3/142.2	175/175	141/158	595/595	168.0/156.9	175/175	155/172	615/615
					56.3/75.0	156.4/180.4	173.4/196.3	200/225	196/222	590/590	209/236	610/610	179.4/202.3	200/225	201/228	595/595	194.2/217.0	200/250	215/241	615/615
MED	208/230-3-60	NONE	-	-	119.5	150	124	586	137	606	124.3	150/150	129	591	136.1	175/175	143	611		
					18.8/25.0	52.1/60.1	119.5/119.5	150/150	124/124	586/586	137/137	606/606	124.3/124.3	150/150	129/129	591/591	136.1/136.1	175/175	143/143	611/611
					37.6/50.0	104.2/120.3	151.6/141.7	175/175	139/158	586/586	153/172	606/606	157.6/147.7	175/175	145/164	591/591	172.4/162.4	175/175	159/177	611/611
					56.3/75.0	156.4/180.4	177.8/201.8	200/225	200/227	586/586	213/241	606/606	183.8/207.8	200/225	205/233	591/591	198.5/222.5	200/250	219/246	611/611
HIGH	208/230-3-60	NONE	-	-	130.9	175	137	665	150	685	142.7	175	150	685	147.5	175/175	156	690		
					18.8/25.0	52.1/60.1	130.9/130.9	175/175	137/137	665/665	150/150	685/685	142.7/142.7	175/175	142/142	670/670	147.5/147.5	175/175	156/156	690/690
					37.6/50.0	104.2/120.3	165.9/155.9	175/175	153/171	665/665	168/185	685/685	171.9/161.9	200/175	158/177	670/670	186.6/176.7	200/200	172/190	690/690
					56.3/75.0	156.4/180.4	192.0/216.0	200/250	213/240	665/665	226/254	685/685	198.0/220.8	225/250	218/246	670/670	212.8/236.8	225/250	232/259	690/690
STD	460-3-60	NONE	-	-	53.0	60	56	306	63	318	59.2	70	63	318	55.2	70.00	65	320		
					25.0	30.1	53.0	60	56	306	63	318	59.2	70	63	318	55.2	70.00	65	320
					50.0	60.1	88.1	80	76	306	84	318	70.9	80.00	79	308	78.6	80.00	86	320
					75.0	90.2	98.2	100	111	306	106.0	318	101.0	110	114	308	108.7	125	121	320
MED	460-3-60	NONE	-	-	55.2	60	58	304	65	316	61.4	70	65	316	57.4	80.00	68	318		
					25.0	30.1	55.2	60	58	304	65	316	61.4	70	65	316	57.4	80.00	68	318
					50.0	60.1	70.9	80	79	304	78.6	316	73.6	80.00	82	306	81.4	90.00	89	318
					75.0	90.2	101.0	110	114	304	108.7	316	103.7	125	116	306	111.5	125	123	318
HIGH	460-3-60	NONE	-	-	60.9	70	65	344	72	356	67.1	80	72	356	63.1	80.00	74	358		
					25.0	30.1	60.9	70	65	344	72	356	67.1	80	72	356	63.1	80.00	74	358
					50.0	60.1	78.0	90	86	344	85.7	356	80.7	90.00	88	346	88.5	100.00	95	358
					75.0	90.2	108.1	125	120	344	115.8	356	110.8	125	123	346	118.6	125	130	358
STD	575-3-60	NONE	-	-	41.0	50	43	228	48	236	45.8	60	48	236	42.7	60.00	50	238		
					24.8	23.9	41.0	50	43	228	45.8	236	42.7	60	48	236	42.7	60.00	50	238
					49.6	47.7	67.4	70	62	228	73.4	236	69.5	70.00	64	230	75.5	80.00	69	238
					74.4	71.6	79.4	90	89	228	85.4	236	81.5	90	91	230	87.5	90	97	238
MED	575-3-60	NONE	-	-	42.4	50	45	226	50	234	47.2	60	50	234	44.1	60.00	52	236		
					24.8	23.9	42.4	50	45	226	47.2	234	44.1	50.00	46	228	48.9	60.00	52	236
					49.6	47.7	68.1	70	64	226	75.1	234	71.3	80.00	66	228	77.3	80.00	71	236
					74.4	71.6	81.1	90	91	226	87.1	234	83.2	90	93	228	89.2	90	99	236
HIGH	575-3-60	NONE	-	-	44.3	50	47	253	52	261	49.1	60	52	261	46.0	60.00	54	263		
					24.8	23.9	44.3	50	47	253	49.1	261	46.0	60.00	49	255	50.8	60.00	54	263
					49.6	47.7	71.5	80	66	253	77.5	261	73.6	80.00	68	255	79.6	80.00	73	263
					74.4	71.6	83.5	90	93	253	89.5	261	85.6	90	95	255	91.6	100	101	263

See: "Legend and Notes for Tables 1 - 8" on page 22.



**Table 8 - 50HC 17-28 Unit Wire Sizing Data with Factory Installed HACR Breaker - 2-Speed Indoor Fan Motor (cont)**

UNIT	NO M, V-PH-HZ	ELEC. HTR										NO C.O. or UNPWR C.O.										w/ PWRD C.O.									
		IFM-TYPE	ORHEATER**A00 VERT/HORIZ	Nom (kW)	FLA	NO PE.			w/ PE. (pwrd fr/unit)			NO PE.			w/ PE. (pwrd fr/unit)			NO PE.			w/ PE. (pwrd fr/unit)										
						MCA	HACR BRKR	DISC. SIZE	MCA	HACR BRKR	DISC. SIZE	MCA	HACR BRKR	DISC. SIZE	MCA	HACR BRKR	DISC. SIZE	MCA	HACR BRKR	DISC. SIZE	MCA	HACR BRKR	DISC. SIZE	FLA	LRA						
208/230-3-60	STD	NONE	-	-	-	80/79	444	464	88,188.1	100/100	93/92	464	81,181.1	100/100	85/84	449	92,992.9	100/100	99/98	469	469	469	469								
		279/270A00	18.8/25.0	52.1/60.1	87.4/87.4	100/100	444/444	464/464	102.1/102.1	110/110	93/94	464/464	93.4/93.4	100/100	89/86	449/449	108.1/108.1	110/110	99/99	489/489	489/489	489/489	489/489								
		280/271A00	37.6/50.0	104.2/120.3	143.8/143.8	150/150	444/444	464/464	158.5/158.5	175/175	146/163	464/464	149.8/149.8	150/150	138/155	449/449	164.5/164.5	175/175	151/169	469/469	469/469	469/469	469/469								
		281/272A00	56.3/75.0	156.4/180.4	192.7/192.7	200/225	444/444	464/464	207.4/207.4	225/225	206/232	464/464	198.7/198.7	200/225	198/224	449/449	213.4/213.4	225/225	211/238	469/469	469/469	469/469	469/469								
208/230-3-60	MED	NONE	-	-	83/82	455	475	90.9/90.9	100/100	97/96	475	83.9/83.9	100/100	89/88	480	95.7/95.7	110/110	102/101	480	480	480	480									
		279/270A00	18.8/25.0	52.1/60.1	91.0/91.0	100/100	455/455	475/475	105.8/105.8	110/110	97/97	475/475	97.0/97.0	100/100	89/89	460/460	111.8/111.8	125/125	102/103	480/480	480/480	480/480									
		280/271A00	37.6/50.0	104.2/120.3	147.3/147.3	150/150	455/455	475/475	162.0/162.0	175/175	149/167	475/475	153.3/153.3	175/175	141/158	460/460	168.0/168.0	175/175	155/172	480/480	480/480	480/480									
		281/272A00	56.3/75.0	156.4/180.4	196.3/196.3	200/225	455/455	475/475	211.0/211.0	225/225	209/236	475/475	202.3/202.3	225/225	201/228	460/460	217.0/217.0	225/250	215/241	480/480	480/480	480/480									
460-3-60	STD	NONE	-	-	39	247	259	42.9	50	46	259	38.9	50	41	249	45.1	50	48	261	261	261	261									
		282/273A00	25.0	30.1	43.8	45	247	259	51.5	60	47	259	46.5	50	43	249	54.3	60	50	261	261										
		283/274A00	50.0	60.1	86.2	80	247	259	74.0	80	82	259	69.0	80	77	249	76.7	80	84	261	261										
		284/275A00	75.0	90.2	96.3	100	247	259	104.1	110	116	259	99.1	100	112	249	106.8	110	119	261	261										
460-3-60	MED	NONE	-	-	40	252	264	44.4	50	47	264	40.4	50	43	254	46.6	50	50	266	266	266	266									
		282/273A00	25.0	30.1	45.6	50	252	264	53.4	60	49	264	48.4	50	45	254	56.1	60	52	266	266										
		283/274A00	50.0	60.1	88.1	80	252	264	75.9	80	84	264	70.9	80	79	254	78.6	80	86	266	266										
		284/275A00	75.0	90.2	98.2	100	252	264	106.0	125	118	264	101.0	110	114	254	108.7	125	121	266	266										
575-3-60	STD	NONE	-	-	43	250	262	46.6	50	50	262	42.6	50	45	252	48.8	50	52	264	264	264	264									
		282/273A00	25.0	30.1	48.4	50	250	56.1	60	52	262	51.1	60	47	252	58.9	60	54	264	264											
		283/274A00	50.0	60.1	70.9	80	250	78.6	80	86	262	81.4	80	82	252	81.4	90	89	264	264											
		284/275A00	75.0	90.2	101.0	110	250	108.7	125	108.7	125	121	103.7	125	116	188	111.5	125	123	264	264										
575-3-60	MED	NONE	-	-	31	186	194	32.7	40	35	194	29.6	40	31	188	34.4	40	37	196	196	196	196									
		285/276A00	24.8	23.9	35.5	40	186	41.5	45	38	194	37.6	40	35	188	43.6	45	40	196	196											
		286/277A00	49.6	47.7	65.3	70	186	71.3	80	66	194	67.4	70	62	188	73.4	80	68	196	196											
		287/278A00	74.4	71.6	77.2	90	186	83.2	90	88	194	79.4	90	89	188	85.4	90	95	196	196											
575-3-60	HIGH	NONE	-	-	31	200	208	34.4	40	37	208	31.3	40	33	202	36.1	40	39	210	210	210	210									
		285/276A00	24.8	23.9	37.6	40	200	43.6	45	40	208	39.8	40	37	202	45.8	45	42	210	210											
		286/277A00	49.6	47.7	67.4	70	200	73.4	80	68	208	69.5	70	64	202	75.5	80	69	210	210											
		287/278A00	74.4	71.6	79.4	90	200	85.4	90	85.4	90	95	81.5	90	91	202	87.5	90	97	210	210										

See: "Legend and Notes for Tables 1 - 8" on page 22.



**Table 8 - 50HC 17-28 Unit Wire Sizing Data with Factory Installed HACR Breaker - 2-Speed Indoor Fan Motor (cont)**

UNIT	NO M, V-PH-HZ	IFM-TYPE	ELEC. HTR		NO C.O. or UNPWR C.O.											w/ PWRD C.O.														
			ORHEATER***A00 VERT/HORIZ	Nom (kW)	FLA	NO PE.				w/ P.E. (pwrd fr/unit)				NO PE.				w/ P.E. (pwrd fr/unit)												
						MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA	MCA	HACR BRKR	FLA	DISC. SIZE	LRA					
50HC**28	460-3-60	MED	NONE	25.0	30.1	55.2	60	58	304	61.4	70	65	316	316	316	57.4	70	61	306	63.6	80	68	318	318	143/138	175/175	139/138	615		
						55.2	60	58	304	61.4	70	65	316	316	57.4	70	61	306	63.6	80	68	318	318	143/138	175/175	139/138	615/615			
						70.9	80	79	304	78.6	80	86	316	316	73.6	80	82	306	81.4	90	89	318	81.4	90	89	318	125	225/250	219/246	611/611
						101.0	110	114	304	108.7	125	121	316	316	103.7	125	116	306	111.5	125	123	318	111.5	125	123	318	143	175	156	690
50HC**28	460-3-60	STD	NONE	53.0	30.1	53.0	60	56	306	59.2	70	63	318	318	55.2	70	63	318	318	55.2	70	63	318	318	125/124	175/175	139/138	615		
						53.0	60	56	306	59.2	70	63	318	318	55.2	70	63	318	318	55.2	70	63	318	318	125/124	175/175	139/138	615/615		
						68.1	80	76	306	75.9	80	84	318	318	70.9	80	79	306	78.6	80	79	306	78.6	80	79	306	86	200/200	172/190	690/690
						98.2	100	111	306	106.0	125	118	318	318	101.0	125	114	306	108.7	125	116	318	108.7	125	116	318	121	225/250	232/259	690/690
575-3-60	575-3-60	STD	NONE	41.0	23.9	41.0	50	43	228	45.8	60	48	236	236	42.7	50	45	230	47.5	60	50	238	238	125/124	175/175	139/138	615			
						41.0	50	43	228	45.8	60	48	236	236	42.7	50	45	230	47.5	60	50	238	47.5	60	50	238	125/124	175/175	139/138	615/615
						67.4	70	62	228	73.4	80	68	236	236	69.5	70	64	230	75.5	80	69	238	75.5	80	69	238	141/158	225/250	215/241	615/615
						79.4	90	89	228	85.4	90	95	236	236	81.5	90	91	230	87.5	90	97	238	87.5	90	97	238	201/228	225/250	215/241	615/615
575-3-60	575-3-60	MED	NONE	24.8	23.9	42.4	50	45	226	47.2	60	50	234	234	44.1	50	46	228	48.9	60	52	236	236	125/124	175/175	139/138	615			
						42.4	50	45	226	47.2	60	50	234	234	44.1	50	46	228	48.9	60	52	236	48.9	60	52	236	125/124	175/175	139/138	615/615
						68.1	70	64	226	75.1	80	69	234	234	71.3	80	66	228	77.3	80	71	236	77.3	80	71	236	141/158	225/250	215/241	615/615
						81.1	90	91	226	87.1	90	97	234	234	83.2	90	93	228	89.2	90	99	236	89.2	90	99	236	201/228	225/250	215/241	615/615
575-3-60	575-3-60	HIGH	NONE	24.8	23.9	44.3	50	47	253	49.1	60	52	261	261	46.0	60	49	255	50.8	60	54	263	263	125/124	175/175	139/138	615			
						44.3	50	47	253	49.1	60	52	261	261	46.0	60	49	255	50.8	60	54	263	50.8	60	54	263	125/124	175/175	139/138	615/615
						71.5	80	66	253	77.5	80	71	261	261	73.6	80	68	255	79.6	80	73	263	73.6	80	73	263	141/158	225/250	215/241	615/615
						83.5	90	93	253	89.5	100	99	261	261	85.6	100	95	255	91.6	100	101	263	85.6	100	101	263	201/228	225/250	215/241	615/615

See: \*Legend and Notes for Tables 1 - 8 \* on page 22.

## Legend and Notes for Tables 1 - 8

### LEGEND:

BRKR	-	Circuit breaker
CO	-	Convenience outlet
DISC	-	Disconnect
FLA	-	Full load amps
IFM	-	Indoor fan motor
LRA	-	Locked rotor amps
MCA	-	Minimum circuit amps
MOCP	-	MAX FUSE or HACR Breaker
PE	-	Power exhaust
PWRD CO	-	Powered convenient outlet
UNPWR CO	-	Unpowered convenient outlet

### NOTES:

- In compliance with NEC requirements for multimotor and combination load equipment (refer to NEC Articles 430 and 440), the overcurrent protective device for the unit shall be fuse or HACR breaker. Canadian units may be fuse or circuit breaker.

### 2. Unbalanced 3-Phase Supply Voltage

Never operate a motor where a phase imbalance in supply voltage is greater than 2%. Use the following formula to determine the percentage of voltage imbalance.

$$\% \text{ Voltage Imbalance} = 100 \times \frac{\text{max voltage deviation from average voltage}}{\text{average voltage}}$$

Example: Supply voltage is 230-3-60



AB = 224 v  
BC = 231 v  
AC = 226 v

$$\begin{aligned} \text{Average Voltage} &= \frac{(224 + 231 + 226)}{3} = \frac{681}{3} \\ &= 227 \end{aligned}$$

Determine maximum deviation from average voltage.

$$(AB) 227 - 224 = 3 \text{ v}$$

$$(BC) 231 - 227 = 4 \text{ v}$$

$$(AC) 227 - 226 = 1 \text{ v}$$

Maximum deviation is 4 v.

Determine percent of voltage imbalance.

$$\begin{aligned} \% \text{ Voltage Imbalance} &= 100 \times \frac{4}{227} \\ &= 1.76\% \end{aligned}$$

This amount of phase imbalance is satisfactory as it is below the maximum allowable 2%.

**IMPORTANT:** If the supply voltage phase imbalance is more than 2%, contact your local electric utility company immediately.



