

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 FAS/FHS072-180 units manufactured on or after June 1, 2015. To confirm the date of manufacture of a FAS/FHS unit, locate the unit nameplate and check the second thru fifth digits of the Serial Number. If the number listed in the 2nd thru 5th digits of the Serial Number is 1523 or higher KEEP THIS DOCUMENT and use it along with the furnished Installation Instructions. The Serial Number is located directly below the unit's Model Number.

SERIAL NUMBER NOMENCLATURE

1	2	3	4	5	6	7	8	9	10
U	1	5	2	3	1	2	3	4	5


Manufacture Location Year of Manufacture (15 = 2015)		Week of Manufacture (fiscal calendar)	Sequence Number
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C150230

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.

 **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 FAS/FHS 072-180 units manufactured on or after June 1, 2015. Check the second thru fifth digits of the Serial Number. If the number listed in the 2nd thru 5th digits of the Serial Number is 1523 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 – Electrical Data, Standard Motors with Factory–Installed Single Speed Fan Option

UNIT	V-PH-Hz†	VOLTAGE LIMITS	FAN MOTOR		POWER SUPPLY	
			Hp (kW)	FLA	Minimum Circuit Amps	MAX FUSE or HACR BRKR
FAS072 FHS072	208/230–1–60	187–253	1.3 (0.97)	6.60	9.00	15
	208/230–3–60	187–253	2.4 (1.79)	5.2	7.0	15
	460–3–60	414–506	2.4 (1.79)	2.6	4.0	15
	575–3–60	518–632	1.0 (0.75)	1.40	2.0	15
FAS091 FHS091	208/230–1–60	187–253	2.4 (1.79)	11.00	13.80	20
	208/230–3–60	187–253	2.4 (1.79)	5.2	7.0	15
	460–3–60	414–506	2.4 (1.79)	2.6	4.0	15
	575–3–60	518–632	2.0 (1.49)	2.40	3.0	15
FAS120 FHS120	208/230–3–60	187–253	2.4 (1.79)	5.2	7.0	15
	460–3–60	414–506	2.4 (1.79)	2.6	4.0	15
	575–3–60	518–632	2.0 (1.49)	2.40	3.0	15
FAS150	208/230–3–60	187–253	2.9 (2.16)	7.5	10.0	15
	460–3–60	414–506	2.9 (2.16)	3.4	5.0	15
	575–3–60	518–632	3.0 (2.24)	3.80	5.0	15
FAS180 FHS180	208/230–3–60	187–253	3.7 (2.76)	10.2	13.0	20
	460–3–60	414–506	3.7 (2.76)	4.8	6.0	15
	575–3–60	518–632	3.0 (2.24)	3.80	5.0	15

See: Legend and Notes for Tables 1 – 4 on page 3.

Table 2 – Electrical Data, Alternate Motors with Factory–Installed Single Speed Fan Option

UNIT	V-PH-Hz†	VOLTAGE LIMITS	FAN MOTOR		POWER SUPPLY	
			Hp (kW)	FLA	Minimum Circuit Amps	MAX FUSE or HACR BRKR
FAS072 FHS072	208/230–1–60	187–253	2.4 (1.79)	11.00	13.80	20
	208/230–3–60	187–253	2.9 (2.16)	7.5	10.0	15
	460–3–60	414–506	2.9 (2.16)	3.4	5.0	15
	575–3–60	518–632	2.0 (1.49)	2.40	3.0	15
FAS091 FHS091	208/230–1–60	187–253	2.4 (1.79)	11.00	13.80	15
	208/230–3–60	187–253	2.9 (2.16)	7.5	10.0	15
	460–3–60	414–506	2.9 (2.16)	3.4	5.0	15
	575–3–60	518–632	3.0 (2.24)	3.80	5.0	15
FAS120 FHS120	208/230–3–60	187–253	3.7 (2.76)	10.2	13.0	20
	460–3–60	414–506	3.7 (2.76)	4.8	6.0	15
	575–3–60	518–632	3.0 (2.24)	3.80	5.0	15
FAS150	208/230–3–60	187–253	3.7 (2.76)	10.2	13.0	20
	460–3–60	414–506	3.7 (2.76)	4.8	6.0	15
	575–3–60	518–632	5.0 (3.73)	8.0	10.0	15
FAS180 FHS180	208/230–3–60	187–253	5.0 (3.73)	18.0	23.0	40
	460–3–60	414–506	5.0 (3.73)	9.1	12.0	20
	575–3–60	518–632	5.0 (3.73)	8.0	10.0	15

See: Legend and Notes for Tables 1 – 4 on page 3.

Table 3 – Electrical Data, Standard Motors with Factory-Installed 2-Speed Fan Option

UNIT	V-PH-Hz†	VOLTAGE LIMITS	FAN MOTOR		POWER SUPPLY	
			Hp (kW)	FLA	Minimum Circuit Amps	MAX FUSE or HACR BRKR
FAS091 FHS091	208/230-3-60	187-253	2.4 (1.79)	7.1	9.0	15
	460-3-60	414-506	2.4 (1.79)	3.8	5.0	15
	575-3-60	518-632	2.4 (1.79)	3.5	5.0	15
FAS120 FHS120	460-3-60	414-506	2.4 (1.79)	3.8	5.0	15
	575-3-60	518-632	2.4 (1.79)	3.5	5.0	15
FAS150	208/230-3-60	187-253	2.9 (2.16)	8.6	11.0	15
	460-3-60	414-506	2.9 (2.16)	3.8	5.0	15
	575-3-60	518-632	3.7 (2.76)	4.5	6.0	15
FAS180 FHS180	208/230-3-60	187-253	3.7 (2.76)	10.8	14.0	20
	460-3-60	414-506	3.7 (2.76)	4.9	7.0	15
	575-3-60	518-632	3.7 (2.76)	4.5	6.0	15

See: Legend and Notes for Tables 1 – 4 on page 3.

Table 4 – Electrical Data, Alternate Motors with Factory-Installed 2-Speed Fan Option

UNIT	V-PH-Hz†	VOLTAGE LIMITS	FAN MOTOR		POWER SUPPLY	
			Hp (kW)	FLA	Minimum Circuit Amps	MAX FUSE or HACR BRKR
FAS091 FHS091	208/230-3-60	187-253	3.7 (2.76)	10.8	14.0	20
	460-3-60	414-506	3.7 (2.76)	4.9	7.0	15
	575-3-60	518-632	3.7 (2.76)	4.5	6.0	15
FAS120 FHS120	208/230-3-60	187-253	3.7 (2.76)	10.8	14.0	20
	460-3-60	414-506	3.7 (2.76)	4.9	7.0	15
	575-3-60	518-632	3.7 (2.76)	4.5	6.0	15
FAS150	208/230-3-60	187-253	3.7 (2.76)	10.8	14.0	20
	460-3-60	414-506	3.7 (2.76)	4.9	7.0	15
	575-3-60	518-632	5.0 (3.73)	8.0	10.0	15
FAS180 FHS180	208/230-3-60	187-253	5.0 (3.73)	18.0	23.0	40
	460-3-60	414-506	5.0 (3.73)	9.1	12.0	20
	575-3-60	518-632	5.0 (3.73)	8.0	10.0	15

See: Legend and Notes for Tables 1 – 4 on page 3.

Legend and Notes for Tables 1 – 4

LEGEND:

FLA – Full Load Amps

MOCP – MAX FUSE or HACR BRKR

† Motors are designed for satisfactory operation within 10% of normal voltage shown. Voltages should not exceed the limits shown in the Voltage Limits column.

NOTES:

1. Minimum circuit amps (MCA) and fuse or HACR breaker values are calculated in accordance with The NEC, Article 440.
2. Motor FLA values are established in accordance with Underwriters' Laboratories (UL), Standard 1995.
3. **Unbalanced 3-Phase Supply Voltage**
Never operate a motor where a phase imbalance in supply voltage is greater than 2%. Use the formula in the example (see column to the right) to determine the percentage of voltage imbalance.
4. Installation with Accessory Electric Heaters
Size the Field Power Wiring between the heater TB1 and the FAS/FHS indoor fan motor per NEC Article 430-28 (1) or (2) (depends on length of conduit between heater enclosure and FAS/FHS power entry location). Install wires in field-installed conduit.

Example: Supply voltage is 230-3-60

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



AB = 393 v
BC = 403 v
AC = 396 v

$$\text{Average Voltage} = \frac{(393 + 403 + 396)}{3} = \frac{1192}{3} = 397$$

Determine maximum deviation from average voltage.

(AB) 397 – 393 = 4 v

(BC) 403 – 397 = 6 v

(AC) 397 – 396 = 1 v

Maximum deviation is 4 v.

Determine percent of voltage imbalance.

$$\% \text{ Voltage Imbalance} = 100 \times \frac{6}{397} = 1.5\%$$

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.



Table 5 – Electric Heater Data – Single Speed Motor

HEATER PART NO. CAELHEAT	SIZE	V-PH-Hz	FAN MOTOR			ELECTRIC HEATER(S)					MCA*	MOCP*
						Nom. Cap. (kW)	Actual Capacity (kW)			FLA		
			Hp	kW	FLA		Stage 1	Stage 2	Total			
001A00		208-3-60	1.3†	0.97	6.6	5.0	3.8	-	3.76	10.4	21.3	25
			2.4†	1.79	11.0	5.0	3.8	-	3.76	10.4	26.8	35
			2.4	1.79	5.2	5.0	3.8	-	3.76	10.4	19.5	20
			2.9	2.16	7.5	5.0	3.8	-	3.76	10.4	22.4	25
			3.7	2.76	10.2	5.0	3.8	-	3.76	10.4	25.8	30
		240-3-60	1.3†	0.97	6.6	5.0	5.0	-	5.0	12.0	23.3	25
			2.4†	1.79	11.0	5.0	5.0	-	5.0	12.0	28.8	35
			2.4	1.79	5.2	5.0	5.0	-	5.0	12.0	21.5	25
			2.9	2.16	7.5	5.0	5.0	-	5.0	12.0	24.4	25
			3.7	2.76	10.2	5.0	5.0	-	5.0	12.0	27.8	30
002A00	480-3-60	2.4	1.79	2.6	5.0	5.0	-	5.0	6.0	10.8	15	
		2.9	2.16	3.4	5.0	5.0	-	5.0	6.0	11.8	15	
		3.7	2.76	4.8	5.0	5.0	-	5.0	6.0	13.5	15	
003A00	575-3-60	1.0	0.75	1.4	5.0	5.0	-	5.0	5.0	8.0	15	
		2.0	1.49	2.4	5.0	5.0	-	5.0	5.0	9.3	15	
		3.0	2.24	3.8	5.0	5.0	-	5.0	5.0	11.0	15	
004A00	FAS FHS 072-120	208-3-60	1.3†	0.97	6.6	10.0	7.5	-	7.51	20.8	34.3	35
			2.4†	1.79	11.0	10.0	7.5	-	7.51	20.8	39.8	40
			2.4	1.79	5.2	10.0	7.5	-	7.51	20.8	32.6	35
			2.9	2.16	7.5	10.0	7.5	-	7.51	20.8	35.4	40
			3.7	2.76	10.2	10.0	7.5	-	7.51	20.8	38.8	40
		240-3-60	1.3†	0.97	6.6	10.0	10.0	-	10.0	24.1	38.3	40
			2.4†	1.79	11.0	10.0	10.0	-	10.0	24.1	43.8	50
			2.4	1.79	5.2	10.0	10.0	-	10.0	24.1	36.6	40
			2.9	2.16	7.5	10.0	10.0	-	10.0	24.1	39.4	40
			3.7	2.76	10.2	10.0	10.0	-	10.0	24.1	42.8	50
005A00	480-3-60	2.4	1.79	2.6	10.0	10.0	-	10.0	12.0	18.3	20	
		2.9	2.16	3.4	10.0	10.0	-	10.0	12.0	19.3	20	
		3.7	2.76	4.8	10.0	10.0	-	10.0	12.0	21.0	25	
006A00	575-3-60	1.0	0.75	1.4	10.0	10.0	-	10.0	10.0	14.3	15	
		2.0	1.49	2.4	10.0	10.0	-	10.0	10.0	15.6	20	
		3.0	2.24	3.8	10.0	10.0	-	10.0	10.0	17.3	20	
007A00		208-3-60	1.3†	0.97	6.6	15.0	11.3	-	11.27	31.3	47.4	50
			2.4†	1.79	11.0	15.0	11.3	-	11.27	31.3	52.9	60
			2.4	1.79	5.2	15.0	11.3	-	11.27	31.3	45.6	50
			2.9	2.16	7.5	15.0	11.3	-	11.27	31.3	48.5	50
			3.7	2.76	10.2	15.0	11.3	-	11.27	31.3	51.9	60
		240-3-60	1.3†	0.97	6.6	15.0	15.0	-	15.0	36.1	53.4	60
			2.4†	1.79	11.0	15.0	15.0	-	15.0	36.1	58.9	60
			2.4	1.79	5.2	15.0	15.0	-	15.0	36.1	51.6	60
			2.9	2.16	7.5	15.0	15.0	-	15.0	36.1	54.5	60
			3.7	2.76	10.2	15.0	15.0	-	15.0	36.1	57.9	60

See: Legend and Notes for Tables 5 and 6 on page 9.

Table 5 – Electric Heater Data – Single Speed Motor (cont)

HEATER PART NO. CAELHEAT	SIZE	V-PH-Hz	FAN MOTOR			ELECTRIC HEATER(S)					MCA*	MOCP*
						Nom. Cap. (kW)	Actual Capacity (kW)			FLA		
			Hp	kW	FLA		Stage 1	Stage 2	Total			
008A00		480-3-60	2.4	1.79	2.6	15.0	15.0	-	15.0	18.0	25.8	30
			2.9	2.16	3.4	15.0	15.0	-	15.0	18.0	26.8	30
			3.7	2.76	4.8	15.0	15.0	-	15.0	18.0	28.6	30
009A00		575-3-60	1.0	0.75	1.4	15.0	15.0	-	15.0	15.1	20.6	25
			2.0	1.49	2.4	15.0	15.0	-	15.0	15.1	21.8	25
			3.0	2.24	3.8	15.0	15.0	-	15.0	15.1	23.6	25
010A00	FAS FHS 072-120	208-3-60	1.3†	0.97	6.6	25.0	11.3	7.5	18.8	52.1	73.4	80
			2.4†	1.79	11.0	25.0	11.3	7.5	18.8	52.1	78.9	80
			2.4	1.79	5.2	25.0	11.3	7.5	18.8	52.1	71.7	80
			2.9	2.16	7.5	25.0	11.3	7.5	18.8	52.1	74.5	80
			3.7	2.76	10.2	25.0	11.3	7.5	18.8	52.1	77.9	80
		240-3-60	1.3†	0.97	6.6	25.0	15.0	10.0	25.0	60.1	83.4	90
			2.4†	1.79	11.0	25.0	15.0	10.0	25.0	60.1	88.9	90
			2.4	1.79	5.2	25.0	15.0	10.0	25.0	60.1	81.7	90
2.9	2.16		7.5	25.0	15.0	10.0	25.0	60.1	84.6	90		
			3.7	2.76	10.2	25.0	15.0	10.0	25.0	60.1	87.9	90
			2.4	1.79	2.6	25.0	15.0	10.0	25.0	30.1	40.8	50
			2.9	2.16	3.4	25.0	15.0	10.0	25.0	30.1	41.8	50
			3.7	2.76	4.8	25.0	15.0	10.0	25.0	30.1	43.6	50
011A00		480-3-60	1.0	0.75	1.4	25.0	15.0	10.0	25.0	25.1	33.1	35
			2.0	1.49	2.4	25.0	15.0	10.0	25.0	25.1	34.4	35
			3.0	2.24	3.8	25.0	15.0	10.0	25.0	25.1	36.1	40
012A00		575-3-60	2.4†	1.79	11.0	35.0	15.0	11.3	26.3	73.0	105.0	110
			2.4	1.79	5.2	35.0	15.0	11.3	26.3	73.0	97.7	100
			2.9	2.16	7.5	35.0	15.0	11.3	26.3	73.0	100.6	110
013A00	FAS FHS 091-120	208-3-60	3.7	2.76	10.2	35.0	15.0	11.3	26.3	73.0	104.0	110
			2.4†	1.79	11.0	35.0	20.0	15.0	35.0	84.2	119.0	125
			2.4	1.79	5.2	35.0	20.0	15.0	35.0	84.2	111.7	125
			2.9	2.16	7.5	35.0	20.0	15.0	35.0	84.2	114.6	125
			3.7	2.76	10.2	35.0	20.0	15.0	35.0	84.2	118.0	125
			2.4	1.79	2.6	35.0	20.0	15.0	35.0	42.1	55.9	60
			2.9	2.16	3.4	35.0	20.0	15.0	35.0	42.1	56.9	60
014A00		480-3-60	3.7	2.76	4.8	35.0	20.0	15.0	35.0	42.1	58.6	60
			2.0	1.49	2.4	35.0	20.0	15.0	35.0	35.1	46.9	50
			3.0	2.24	3.8	35.0	20.0	15.0	35.0	35.1	48.7	50
015A00		575-3-60	2.0	1.49	2.4	35.0	20.0	15.0	35.0	35.1	46.9	50
			3.0	2.24	3.8	35.0	20.0	15.0	35.0	35.1	48.7	50

See: Legend and Notes for Tables 5 and 6 on page 9.

Table 5 – Electric Heater Data – Single Speed Motor (cont)

HEATER PART NO. CAELHEAT	SIZE	V-PH-Hz	FAN MOTOR			ELECTRIC HEATER(S)					MCA*	MOCP*
						Nom. Cap. (kW)	Actual Capacity (kW)			FLA		
			Hp	kW	FLA		Stage 1	Stage 2	Total			
016A00		208-3-60	2.9	2.16	7.5	10.0	7.5	-	7.5	20.8	35.4	40
			3.7	2.76	10.2	10.0	7.5	-	7.5	20.8	38.8	40
			5.0	3.73	18.0	10.0	7.5	-	7.5	20.8	48.6	60
			7.5	5.59	23.5	10.0	7.5	-	7.5	20.8	55.4	70
		240-3-60	2.9	2.16	7.5	10.0	10.0	-	10.0	24.1	39.4	40
			3.7	2.76	10.2	10.0	10.0	-	10.0	24.1	42.8	50
			5.0	3.73	18.0	10.0	10.0	-	10.0	24.1	52.6	60
			7.5	5.59	23.5	10.0	10.0	-	10.0	24.1	59.4	70
017A00		480-3-60	2.9	2.16	3.4	10.0	10.0	-	10.0	12.0	19.3	20
			3.7	2.76	4.8	10.0	10.0	-	10.0	12.0	21.0	25
			5.0	3.73	9.1	10.0	10.0	-	10.0	12.0	26.4	30
			7.5	5.59	15.0	10.0	10.0	-	10.0	12.0	33.8	40
018A00		575-3-60	3.0	2.24	3.8	10.0	10.0	-	10.0	10.0	17.3	20
			5.0	3.73	8.0	10.0	10.0	-	10.0	10.0	22.6	25
019A00		208-3-60	2.9	2.16	7.5	20.0	14.9	-	15.0	41.7	61.5	70
			3.7	2.76	10.2	20.0	14.9	-	15.0	41.7	64.9	70
			5.0	3.73	18.0	20.0	14.9	-	15.0	41.7	74.6	80
			7.5	5.59	23.5	20.0	14.9	-	15.0	41.7	81.5	90
		240-3-60	2.9	2.16	7.5	20.0	19.9	-	20.0	48.1	69.5	70
			3.7	2.76	10.2	20.0	19.9	-	20.0	48.1	72.9	80
			5.0	3.73	18.0	20.0	19.9	-	20.0	48.1	82.6	90
			7.5	5.59	23.5	20.0	19.9	-	20.0	48.1	89.5	100
020A00		480-3-60	2.9	2.16	3.4	20.0	20.0	-	20.0	24.1	34.3	35
			3.7	2.76	4.8	20.0	20.0	-	20.0	24.1	36.1	40
			5.0	3.73	9.1	20.0	20.0	-	20.0	24.1	41.4	50
			7.5	5.59	15.0	20.0	20.0	-	20.0	24.1	48.8	50
021A00		575-3-60	3.0	2.24	3.8	20.0	20.0	-	20.0	20.1	29.9	30
			5.0	3.73	8.0	20.0	20.0	-	20.0	20.1	35.1	40
			7.5	5.59	10.0	20.0	20.0	-	20.0	20.1	37.6	40
022A00		208-3-60	2.9	2.16	7.5	30.0	15.0	7.5	22.5	62.5	87.5	90
			3.7	2.76	10.2	30.0	15.0	7.5	22.5	62.5	90.9	100
			5.0	3.73	18.0	30.0	15.0	7.5	22.5	62.5	100.7	110
			7.5	5.59	23.5	30.0	15.0	7.5	22.5	62.5	107.5	110
		240-3-60	2.9	2.16	7.5	30.0	20.0	10.0	30.0	72.2	99.6	100
			3.7	2.76	10.2	30.0	20.0	10.0	30.0	72.2	103.0	110
			5.0	3.73	18.0	30.0	20.0	10.0	30.0	72.2	112.7	125
			7.5	5.59	23.5	30.0	20.0	10.0	30.0	72.2	119.6	125
023A00		480-3-60	2.9	2.16	3.4	30.0	20.0	10.0	30.0	36.1	49.4	50
			3.7	2.76	4.8	30.0	20.0	10.0	30.0	36.1	51.1	60
			5.0	3.73	9.1	30.0	20.0	10.0	30.0	36.1	56.5	60
			7.5	5.59	15.0	30.0	20.0	10.0	30.0	36.1	63.9	70
024A00		575-3-60	3.0	2.24	3.8	30.0	20.0	10.0	30.0	30.1	42.4	50
			5.0	3.73	8.0	30.0	20.0	10.0	30.0	30.1	47.7	50
			7.5	5.59	10.0	30.0	20.0	10.0	30.0	30.1	50.2	60
025A00		208-3-60	3.7	2.76	10.2	50.0	22.6	15.0	37.6	104.3	143.1	150
			5.0	3.73	18.0	50.0	22.6	15.0	37.6	104.3	152.8	175
			7.5	5.59	23.5	50.0	22.6	15.0	37.6	104.3	159.7	175
		240-3-60	3.7	2.76	10.2	50.0	30.0	20.0	50.0	120.3	163.1	175
			5.0	3.73	18.0	50.0	30.0	20.0	50.0	120.3	172.9	175
			7.5	5.59	23.5	50.0	30.0	20.0	50.0	120.3	179.7	200
026A00		480-3-60	3.7	2.76	4.8	50.0	30.0	20.0	50.0	60.1	81.2	90
			5.0	3.73	9.1	50.0	30.0	20.0	50.0	60.1	86.6	90
			7.5	5.59	15.0	50.0	30.0	20.0	50.0	60.1	93.9	100
027A00		575-3-60	3.0	2.24	3.8	50.0	30.0	20.0	50.0	50.2	67.5	70
			5.0	3.73	8.0	50.0	30.0	20.0	50.0	50.2	72.8	80
			7.5	5.59	10.0	50.0	30.0	20.0	50.0	50.2	75.3	80

See: Legend and Notes for Tables 5 and 6 on page 9.

Table 6 – Electric Heater Data – 2-Speed Motor

HEATER PART NO. CAELHEAT	SIZE	V-PH-Hz	FAN MOTOR			ELECTRIC HEATER(S)						MCA*	MOCP*
						Nom. Cap. (kW)	Actual Capacity (kW)			FLA			
			Hp	kW	FLA		Stage 1	Stage 2	Total				
001A00		208-3-60	2.4	1.79	7.1	5.0	3.8	-	3.8	10.4	21.9	25	
			3.7	2.76	10.8	5.0	3.8	-	3.8	10.4	26.5	30	
		240-3-60	2.4	1.79	7.1	5.0	5.0	-	5.0	12.0	23.9	25	
			3.7	2.76	10.8	5.0	5.0	-	5.0	12.0	28.5	35	
002A00		480-3-60	2.4	1.79	3.8	5.0	5.0	-	5.0	6.0	12.3	15	
			3.7	2.76	4.9	5.0	5.0	-	5.0	6.0	13.6	15	
003A00		575-3-60	2.4	1.79	3.5	5.0	5.0	-	5.0	5.0	10.7	15	
			3.7	2.76	4.5	5.0	5.0	-	5.0	5.0	11.9	15	
004A00		208-3-60	2.4	1.79	7.1	10.0	7.5	-	7.5	20.8	34.9	35	
			3.7	2.76	10.8	10.0	7.5	-	7.5	20.8	39.6	40	
		240-3-60	2.4	1.79	7.1	10.0	10.0	-	10.0	24.1	38.9	40	
			3.7	2.76	10.8	10.0	10.0	-	10.0	24.1	43.6	50	
005A00		480-3-60	2.4	1.79	3.8	10.0	10.0	-	10.0	12.0	19.8	20	
			3.7	2.76	4.9	10.0	10.0	-	10.0	12.0	21.2	25	
006A00		575-3-60	2.4	1.79	3.5	10.0	10.0	-	10.0	10.0	16.9	20	
			3.7	2.76	4.5	10.0	10.0	-	10.0	10.0	18.2	20	
007A00		208-3-60	2.4	1.79	7.1	15.0	11.3	-	11.3	31.3	48.0	50	
			3.7	2.76	10.8	15.0	11.3	-	11.3	31.3	52.6	60	
		240-3-60	2.4	1.79	7.1	15.0	15.0	-	15.0	36.1	54.0	60	
			3.7	2.76	10.8	15.0	15.0	-	15.0	36.1	58.6	60	
008A00		480-3-60	2.4	1.79	3.8	15.0	15.0	-	15.0	18.0	27.3	30	
			3.7	2.76	4.9	15.0	15.0	-	15.0	18.0	28.7	30	
009A00		575-3-60	2.4	1.79	3.5	15.0	15.0	-	15.0	15.1	23.2	25	
			3.7	2.76	4.5	15.0	15.0	-	15.0	15.1	24.5	25	
010A00		208-3-60	2.4	1.79	7.1	25.0	11.3	7.5	18.8	52.1	74.0	80	
			3.7	2.76	10.8	25.0	11.3	7.5	18.8	52.1	78.7	80	
		240-3-60	2.4	1.79	7.1	25.0	15.0	10.0	25.0	60.1	84.1	90	
			3.7	2.76	10.8	25.0	15.0	10.0	25.0	60.1	88.7	90	
011A00		480-3-60	2.4	1.79	3.8	25.0	15.0	10.0	25.0	30.1	42.3	50	
			3.7	2.76	4.9	25.0	15.0	10.0	25.0	30.1	43.7	50	
012A00		575-3-60	2.4	1.79	3.5	25.0	15.0	10.0	25.0	25.1	35.8	40	
			3.7	2.76	4.5	25.0	15.0	10.0	25.0	25.1	37.0	40	
013A00		208-3-60	2.4	1.79	7.1	35.0	15.0	11.3	26.3	73.0	100.1	110	
			3.7	2.76	10.8	35.0	15.0	11.3	26.3	73.0	104.7	110	
		240-3-60	2.4	1.79	7.1	35.0	20.0	15.0	35.0	84.2	114.1	125	
			3.7	2.76	10.8	35.0	20.0	15.0	35.0	84.2	118.7	125	
014A00		480-3-60	2.4	1.79	3.8	35.0	20.0	15.0	35.0	42.1	57.4	60	
			3.7	2.76	4.9	35.0	20.0	15.0	35.0	42.1	58.7	60	
015A00		575-3-60	2.4	1.79	3.5	35.0	20.0	15.0	35.0	35.1	48.3	50	
			3.7	2.76	4.5	35.0	20.0	15.0	35.0	35.1	49.6	50	

See: Legend and Notes for Tables 5 and 6 on page 9.

Table 6 – Electric Heater Data – 2-Speed Motor (cont)

HEATER PART NO. CAELHEAT	SIZE	V-PH-Hz	FAN MOTOR			ELECTRIC HEATER(S)					MCA*	MOCP*
						Nom. Cap. (kW)	Actual Capacity (kW)			FLA		
			Hp	kW	FLA		Stage 1	Stage 2	Total			
016A00	FAS 150	208-3-60	2.9	2.16	8.6	10.0	7.5	-	7.5	20.8	36.8	40
			3.7	2.76	10.8	10.0	7.5	-	7.5	20.8	39.6	40
	FAS FHS 180	208-3-60	3.7	2.76	10.8	10.0	7.5	-	7.5	20.8	39.6	40
			5.0	3.73	18.0	10.0	7.5	-	7.5	20.8	48.6	60
	FAS 150	240-3-60	2.9	2.16	8.6	10.0	10.0	-	10.0	24.1	40.8	50
			3.7	2.76	10.8	10.0	10.0	-	10.0	24.1	43.6	50
FAS FHS 180	240-3-60	3.7	2.76	10.8	10.0	10.0	-	10.0	24.1	43.6	50	
		5.0	3.73	18.0	10.0	10.0	-	10.0	24.1	52.6	60	
017A00	FAS 150	480-3-60	2.9	2.16	3.8	10.0	10.0	-	10.0	12.0	19.8	20
			3.7	2.76	4.9	10.0	10.0	-	10.0	12.0	21.2	25
	FAS FHS 180	480-3-60	3.7	2.76	4.9	10.0	10.0	-	10.0	12.0	21.2	25
			5.0	3.73	9.1	10.0	10.0	-	10.0	12.0	26.4	30
018A00	FAS 150	575-3-60	3.7	2.76	4.5	10.0	10.0	-	10.0	10.0	18.2	20
			5.0	3.73	8.0	10.0	10.0	-	10.0	10.0	22.6	25
	FAS FHS 180	575-3-60	3.7	2.76	4.5	10.0	10.0	-	10.0	10.0	18.2	20
			5.0	3.73	8.0	10.0	10.0	-	10.0	10.0	22.6	25
019A00	FAS 150	208-3-60	2.9	2.16	8.6	20.0	15.0	-	15.0	41.7	62.9	70
			3.7	2.76	10.8	20.0	15.0	-	15.0	41.7	65.6	70
	FAS FHS 180	208-3-60	3.7	2.76	10.8	20.0	15.0	-	15.0	41.7	65.6	70
			5.0	3.73	18.0	20.0	15.0	-	15.0	41.7	74.6	80
	FAS 150	240-3-60	2.9	2.16	8.6	20.0	20.0	-	20.0	48.1	70.9	80
			3.7	2.76	10.8	20.0	20.0	-	20.0	48.1	73.6	80
FAS FHS 180	240-3-60	3.7	2.76	10.8	20.0	20.0	-	20.0	48.1	73.6	80	
		5.0	3.73	18.0	20.0	20.0	-	20.0	48.1	82.6	90	
020A00	FAS 150	480-3-60	2.9	2.16	3.8	20.0	19.9	-	20.0	24.1	34.8	35
			3.7	2.76	4.9	20.0	19.9	-	20.0	24.1	36.2	40
	FAS FHS 180	480-3-60	3.7	2.76	4.9	20.0	19.9	-	20.0	24.1	36.2	40
			5.0	3.73	9.1	20.0	19.9	-	20.0	24.1	41.4	50
021A00	FAS 150	575-3-60	3.7	2.76	4.5	20.0	20.0	-	20.0	20.1	30.7	35
			5.0	3.73	8.0	20.0	20.0	-	20.0	20.1	35.1	40
	FAS FHS 180	575-3-60	3.7	2.76	4.5	20.0	20.0	-	20.0	20.1	30.7	35
			5.0	3.73	8.0	20.0	20.0	-	20.0	20.1	35.1	40
022A00	FAS 150	208-3-60	2.9	2.16	8.6	30.0	15.0	7.5	22.5	62.5	88.9	90
			3.7	2.76	10.8	30.0	15.0	7.5	22.5	62.5	91.7	100
	FAS FHS 180	208-3-60	3.7	2.76	10.8	30.0	15.0	7.5	22.5	62.5	91.7	100
			5.0	3.73	18.0	30.0	15.0	7.5	22.5	62.5	100.7	110
	FAS 150	240-3-60	2.9	2.16	8.6	30.0	20.0	10.0	30.0	72.2	101.0	110
			3.7	2.76	10.8	30.0	20.0	10.0	30.0	72.2	103.7	110
FAS FHS 180	240-3-60	3.7	2.76	10.8	30.0	20.0	10.0	30.0	72.2	103.7	110	
		5.0	3.73	18.0	30.0	20.0	10.0	30.0	72.2	112.7	125	

See: Legend and Notes for Tables 5 and 6 on page 9.

Table 6 – Electric Heater Data – 2-Speed Motor (cont)

HEATER PART NO. CAELHEAT	SIZE	V-PH-Hz	FAN MOTOR			ELECTRIC HEATER(S)						MCA*	MOCP*
						Nom. Cap. (kW)	Actual Capacity (kW)			FLA			
			Hp	kW	FLA		Stage 1	Stage 2	Total				
023A00	FAS 150	480-3-60	2.9	2.16	3.8	30.0	20.0	10.0	30.0	36.1	49.9	50	
			3.7	2.76	4.9	30.0	20.0	10.0	30.0	36.1	51.2	60	
	FAS FHS 180	480-3-60	3.7	2.76	4.9	30.0	20.0	10.0	30.0	36.1	51.2	60	
			5.0	3.73	9.1	30.0	20.0	10.0	30.0	36.1	56.5	60	
024A00	FAS 150	575-3-60	3.7	2.76	4.5	30.0	20.0	10.0	30.0	30.1	43.3	50	
			5.0	3.73	8.0	30.0	20.0	10.0	30.0	30.1	47.7	50	
	FAS FHS 180	575-3-60	3.7	2.76	4.5	30.0	20.0	10.0	30.0	30.1	43.3	50	
			5.0	3.73	8.0	30.0	20.0	10.0	30.0	30.1	47.7	50	
025A00	FAS 150	208-3-60	3.7	2.76	10.8	50.0	22.6	15.0	37.6	104.3	143.8	150	
			5.0	3.73	18.0	50.0	22.6	15.0	37.6	104.3	152.8	175	
	FAS FHS 180	240-3-60	3.7	2.76	10.8	50.0	30.0	20.0	50.0	120.3	163.9	175	
			5.0	3.73	18.0	50.0	30.0	20.0	50.0	120.3	172.9	175	
026A00	FAS FHS 180	480-3-60	3.7	2.76	4.9	50.0	30.0	20.0	50.0	60.1	81.3	90	
			5.0	3.73	9.1	50.0	30.0	20.0	50.0	60.1	86.6	90	
027A00	FAS FHS 180	575-3-60	3.7	2.76	4.5	50.0	30.0	20.0	50.0	50.2	68.4	70	
			5.0	3.73	8.0	50.0	30.0	20.0	50.0	50.2	72.8	80	

See: Legend and Notes for Tables 5 and 6 on page 9.

Legend and Notes for Tables 5 and 6

LEGEND

- FLA** — Full Load Amps
- Hp** — Horsepower
- MCA** — Minimum Circuit Amps
- MOCP** — Maximum Overcurrent Protection (Amps)

- * Values shown are for single-point connection of electric heat accessory and air handler.
- † Single-phase motors. All other motors are 3-phase.

NOTES:

1. Electrical resistance heaters are rated at 240 v, 480 v, or 575 v. To determine heater capacity (kW) at unit nameplate multiply the 240-v, 480-v, or 575-v capacity (kW) by the factor shown in the table below for the unit voltage.

HEATER RATING VOLTAGE	ACTUAL HEATER VOLTAGE										
	200	208	230	240	400	440	460	480	550	575	600
240	0.694	0.751	0.918	1	—	—	—	—	—	—	—
480	—	—	—	—	0.694	0.84	0.918	1	—	—	—
575	—	—	—	—	—	—	—	—	0.915	1	1.089

2. The following equation converts kW of heat energy to Btuh: kW x 3,412 = Btuh.
3. Heater contactor coils are 24 v and require 8 va holding current.
4. Electric heaters are tested and ETL approved at maximum total external static pressure of 1.9 in. wg.
5. MCA and MOCP values apply to both standard and alternate factory-supplied motors.
6. Approximate shipping weight for CAEL-HEAT001A00-015A00 is 55 lb (25 kg) each. Approximate shipping weight for CAELHEAT016A00-027A00 is 60 lb (27 kg) each, and CAELHEAT028A00-039A00 is 75 lb (34 kg) each.

