

15 KW AHU

036-21110-002 Rev. C (1204)

2HK10501506B

Physical and Electrical Data

MODEL F2RC/F2FC/F2RP/F3RP(T)/F2FP		018	024	030	036(RP/FP)	036(RC/FC)	--
Blower - Diameter Width		9x6	10x6	10x8	10x8	10x8	--
Motor	HP	1/4	1/4	1/3	1/2	1/2	--
	Nominal RPM	1075	1075	1075	1075	1075	--
Voltage		208/230					
AMPS	Full Load	1.6/1.4	1.6/1.4	2.5/2.2	3.3/2.9	3.3/2.9	--
	Locked Rotor	3/3/2.9	3.3/2.9	6.2/5.5	7.4/6.5	7.4/6.5	--
Filter ¹	Type	Disposable/Permanent					
	Size	16x20x1	16x20x1	16x20x1	20x20x1	16x20x1	--
	Permanent Type Kit	1PF601BK	1PF601BK	1PF601BK	1PF602BK	1PF601BK	
Shipping/Operating Weight (lbs.) - RP/FP		87/92	93/98	100/105	109/115	--	--
Shipping/Operating Weight (lbs.) - RC/FC		--	90/95	90/95	--	90/95	--
MODEL F2RP/F3RP(T)/F2FP/F3FP(T)/F2FV/F3FV(T)		040	042	045	048	060	F(2,3)FV060
Blower - Diameter x Width		10x8	10x8	10x10	11x10	11x10	11x10
Motor	HP	1/3	3/4	1/3	1/2	3/4	1.0
	Nominal RPM	1075	1130	925	1085	1100	1200
Voltage		208/230					
Amps	Full Load	2.5/2.2	4.4/3.8	3.0/2.7	3.8/3.3	4.4/3.8	7.8/7.0
	Locked Rotor	6.2/5.5	11.9/10.3	4.8/4.1	4.6/4.0	8.4/7.3	--
Filter ¹	Type	Disposable/Permanent					
	Size	16x20x1	20x20x1	22x20x1	22x20x1	22x20x1	22x20x1
	Permanent Type Kit	1PF601BK	1PF602BK	1PF603BK	1PF603BK	1PF603BK	1PF603BK
Shipping/Operating Weight (lbs.) - RP/FP		115/121	115/121	144/150	142/148	149/155	160
Shipping/Operating Weight (lbs.) - RC/FC		--	--	--	--	--	--

1. Field Supplied.

ELECTRICAL DATA - Cooling Only

MODEL F2RP/F3RP(T)/F2FP/F3FP(T)/ F2RC/F2FC/F2FV/F3FV(T)	TOTAL MOTOR AMPS		MINIMUM CIRCUIT AMPACITY		Max. O.C.P. ¹ Amps/ Type	MINIMUM WIRE SIZE A.W.G.
	208V	240V	208V	240V		
018 (N/H) 06	1.6	1.5	2.0	1.8	15	14
024 (N/H) 06	1.6	1.5	2.0	1.8	15	14
030(N/H) 06	2.5	2.3	3.2	2.8	15	14
036 (N,H) 06	3.3	3.0	4.2	3.7	15	14
040H06	2.5	2.3	3.2	2.8	15	14
042(N/H) 06	4.4	4.0	5.5	4.8	15	14
045H06	3.1	2.6	3.9	3.4	15	14
048(N/H) 06	3.9	3.5	4.9	4.3	15	14
060(N/H) 06	4.6	4.4	6.4	5.5	15	14
VARIABLE SPEED MODEL						
F(2,3)FV06H06	--	--	--	--	15	14

1. O.C.P. = Over Current Protection device, must be HACR type Circuit Breaker or Time Delay Fuse.

ELECTRICAL DATA - 1Ø - 208/230 - 1-60

MODEL F2RP/F3RP(T)/F2FP/F3FP(T)/ F2RC/F2FC/F2FV/F3FV(T)	HEATER ¹ MODEL	MAX. STATIC & MIN. CFM		TOTAL HEAT ²				KW STAGING						
		STATIC	TAP	KW		MBH		W1 ONLY		W2 ONLY		W1 + W2		
				208V	240V	208V	240V	208V	240V	208V	240V	208V	240V	
018(N/H)06	2HK*6500206B	0.5		1.9	2.5	6.5	8.5	1.9	2.5	1.9	2.5	1.9	2.5	
	2HK*6500506B		LO	3.8	5.0	13.0	17.1	3.8	5.0	3.8	5.0	3.8	5.0	
	2HK*6500806B			5.6	7.5	19.1	25.6	3.8	5.0	5.6	7.5	5.6	7.5	
024(N/H)06	2HK*6500506B	0.5		3.8	5.0	13.0	17.1	3.8	5.0	3.8	5.0	3.8	5.0	
	2HK*6500806B		LO	5.6	7.5	19.1	25.6	3.8	5.0	5.6	7.5	5.6	7.5	
	2HK*6501006B			7.5	10.0	25.6	34.1	3.8	5.0	7.5	10.0	7.5	10.0	
030(N/H)06	2HK*6500506B	0.5%	LO	3.8	5.0	13.0	17.1	3.8	5.0	3.8	5.0	3.8	5.0	
	2HK*6500806B		LO	5.6	7.5	19.1	25.6	3.8	5.0	5.6	7.5	5.6	7.5	
	2HK*6501006B		LO	7.5	10.0	25.6	34.1	3.8	5.0	7.5	10.0	7.5	10.0	
	2HK16501506B		HI	11.3	15.0	38.6	51.2	3.8	5.0	7.5	10.0	11.3	15.0	
036(N/H)06	2HK*6500506B	0.5	LO	3.8	5.0	13.0	17.1	3.8	5.0	3.8	5.0	3.8	5.0	
	2HK*6500806B		LO	5.6	7.5	19.1	25.6	3.8	5.0	5.6	7.5	5.6	7.5	
	2HK*6501006B		LO	7.5	10.0	25.6	34.1	3.8	5.0	7.5	10.0	7.5	10.0	
	2HK16501506B		MED	11.3	15.0	38.6	51.2	3.8	5.0	7.5	10.0	11.3	15.0	
	2HK16501906B ³		HI	13.2	17.6	45.1	60.1	2.8	3.8	10.4	13.8	13.2	17.6	
040H06	2HK*6500506B	0.5	LO	3.8	5.0	13.0	17.1	3.8	5.0	3.8	5.0	3.8	5.0	
	2HK*6500806B		LO	5.6	7.5	19.1	25.6	3.8	5.0	5.6	7.5	5.6	7.5	
	2HK*6501006B		LO	7.5	10.0	25.6	34.1	3.8	5.0	7.5	10.0	7.5	10.0	
	2HK16501506B		HI	11.3	15.0	38.6	51.2	3.8	5.0	7.5	10.0	11.3	15.0	
042(N/H)06	2HK*6500506B	0.5	LO		3.8	5.0	13.0	17.1	3.8	5.0	3.8	5.0	3.8	5.0
	2HK*6500806B			5.6	7.5	19.1	25.6	3.8	5.0	5.6	7.5	5.6	7.5	
	2HK*6501006B			7.5	10.0	25.6	34.1	3.8	5.0	7.5	10.0	7.5	10.0	
	2HK16501506B			11.3	15.0	38.6	51.2	3.8	5.0	7.5	10.0	11.3	15.0	
045H06	2HK*6500506B	0.5	LO	3.8	5.0	13.0	17.1	3.8	5.0	3.8	5.0	3.8	5.0	
	2HK*6500806B		LO	5.6	7.5	19.1	25.6	3.8	5.0	5.6	7.5	5.6	7.5	
	2HK*6501006B		MED	7.5	10.0	25.6	34.1	3.8	5.0	7.5	10.0	7.5	10.0	
	2HK16501506B		HI	11.3	15.0	38.6	51.2	3.8	5.0	7.5	10.0	11.3	15.0	
048(N/H)06	2HK16500506B	0.5	LO		3.8	5.0	13.0	17.1	3.8	5.0	3.8	5.0	3.8	5.0
	2HK16500806B			5.6	7.5	19.1	25.6	3.8	5.0	5.6	7.5	5.6	7.5	
	2HK*6501006B			7.5	10.0	25.6	34.1	3.8	5.0	7.5	10.0	7.5	10.0	
	2HK16501506B			11.3	15.0	38.6	51.2	3.8	5.0	7.5	10.0	11.3	15.0	
	2HK16502006B			15.0	20.0	51.2	68.3	3.8	5.0	11.3	15.0	15.0	20.0	
	2HK16502506B			18.8	25.0	64.2	85.3	3.8	5.0	11.3	15.0	18.8	25.0	
060(N/H)06	2HK*6501006B	0.5	LO		3.8	5.0	13.0	17.1	3.8	5.0	3.8	5.0	3.8	5.0
	2HK16500806B			5.6	7.5	19.1	25.6	3.8	5.0	5.6	7.5	5.6	7.5	
	2HK16501006B			7.5	10.0	25.6	34.1	3.8	5.0	7.5	10.0	7.5	10.0	
	2HK16501506B			11.3	15.0	38.6	51.2	3.8	5.0	7.5	10.0	11.3	15.0	
	2HK16502006B			15.0	20.0	51.2	68.3	3.8	5.0	7.5	10.0	15.0	20.0	
	2HK16502506B			18.8	25.0	64.2	85.3	3.8	5.0	11.3	15.0	18.8	25.0	
F*FV060H06	2HK*6500806B	0.5	1335		5.6	7.5	19.1	25.6	3.8	5.0	5.6	7.5	5.6	7.5
	2HK*6501006B			7.5	10.0	25.6	34.1	3.8	5.0	7.5	10.0	7.5	10.0	
	2HK16501506B			11.3	15.0	38.6	51.2	3.8	5.0	7.5	10.0	11.3	15.0	
	2HK16502006B			15.0	20.0	51.2	68.3	3.8	5.0	7.5	10.0	15.0	20.0	
	2HK16502506B			18.8	25.0	64.2	85.3	3.8	5.0	11.3	15.0	18.8	25.0	

NOTE: F2FP040 & F2FP045 - Only available with factory installed horizontal drain pan.

- 0 or as follows: 0 = No Breaker, 1 = Breaker.
- See Conversion Table below:
- 2HK16501906B only applies to F(2,3)RP and F(2,3)FP036 Models.

KW & MBH CONVERSIONS - FOR TOTAL POWER INPUT REQUIREMENT

FOR	208V	OPERATION MULTIPLY	240V	TABULATED KW & MBH BY	.751
	230V		240V		.918

ELECTRICAL DATA - 1Ø (SINGLE SOURCE POWER SUPPLY) - COPPER WIRE

MODEL F2RP/F3RP(T)/F2FP/F3FP(T)/ F2RC/F2FC/F2FV/F3FV(T)	HEATER MODEL ¹	HEATER AMPS 240V	FIELD WIRING					
			MIN. CIRCUIT AMPACITY		Max. O.C.P. ² Amps/ Type		75°C WIRE SIZE - AWG	
			208V	240V	208V	240V	208V	240V
018(N/H)06	2HK*6500206B	10.4	13.3	14.6	15	15	14	14
	2HK*6500506B	20.8	24.7	27.7	25	30	10	10
	2HK*6500806B	31.3	35.5	40.7	40	45	8	8
024(N/H)06	2HK*6500506B	20.8	24.7	27.7	25	30	10	10
	2HK*6500806B	31.3	35.5	40.7	40	45	8	8
	2HK*6501006B	41.7	46.9	53.7	50	60	8	6
030(N/H)06	2HK*6500506B	20.8	25.8	28.7	30	30	10	10
	2HK*6500806B	31.3	36.7	41.7	40	45	8	8
	2HK*6501006B	41.7	48.1	54.7	50	60	8	6
	2HK16501506B	62.5	70.9	80.8	80	90	4	3
036(N/H)06	2HK*6500506B	20.8	26.8	29.5	30	30	10	10
	2HK*6500806B	31.3	37.7	42.6	40	45	8	8
	2HK*6501006B	41.7	49.1	55.6	50	60	8	6
	2HK16501506B	62.5	71.9	81.6	80	90	4	3
	2HK16501906B ³	73.3	83.3	95.2	90	100	3	3
040H06	2HK*6500506B	20.8	25.8	28.7	30	30	10	10
	2HK*6500806B	31.3	36.7	41.7	40	45	8	8
	2HK*6501006B	41.7	48.1	54.7	50	60	8	6
	2HK16501506B	62.5	70.9	80.8	80	90	4	3
042(N/H)06	2HK*6500506B	20.8	28.1	30.5	30	35	10	8
	2HK*6500806B	31.3	38.9	43.6	40	45	8	8
	2HK*6501006B	41.7	50.3	56.6	60	60	6	6
	2HK16501506B	62.5	73.2	82.6	80	90	4	3
045H06	2HK*6500506B	20.8	26.6	29.3	30	30	10	10
	2HK*6500806B	31.3	37.4	42.3	40	45	8	8
	2HK*6501006B	41.7	48.8	55.3	50	60	8	6
	2HK16501506B	62.5	71.7	81.4	80	90	4	3
048(N/H)06	2HK16500506B	20.8	27.6	30.2	30	35	10	8
	2HK*6500806B	31.3	38.4	43.2	40	45	8	8
	2HK*6501006B	41.7	49.8	56.2	50	60	8	6
	2HK16501506B	62.5	72.7	82.3	80	90	4	3
	2HK16502006B	83.3	94.9	108.3	100	110	3	2
	2HK16502506B	104.2	117.7	134.3	125	150	1	1/0
060(N/H)06	2HK*6500506B	20.8	29.0	31.3	30	35	10	8
	2HK*6500806B	31.3	39.8	44.3	40	45	8	8
	2HK*6501006B	41.7	51.2	57.3	60	60	6	6
	2HK16501506B	62.5	74.0	83.4	80	90	4	3
	2HK16502006B	83.3	96.3	109.4	100	110	3	2
	2HK16502506B	104.2	119.1	135.5	125	150	1	1/0
F*FV060H06	2HK*6500806B	31.3	43.8	47.8	45	50	8	8
	2HK*6501006B	41.7	55.2	60.8	60	70	6	4
	2HK16501506B	62.5	78.0	86.9	80	90	4	3
	2HK16502006B	83.3	100.3	112.9	110	125	2	1
	2HK16502506B	104.2	123.1	139.0	125	150	1	1/0

- 0 or 1 as follows: 0 = No Breaker, 1 = Breaker
- OCP = Over Current Protection device, must be HACR type Circuit Breaker or Time Delay fuse.
- 2HK16501906B only applies to F(2,3)RP and F(2,3)FP036 Models.