

TECHNICAL GUIDE

SINGLE PIECE AIR HANDLERS FOR USE WITH SPLIT-SYSTEM COOLING & HEAT PUMPS

**MODELS:
F6FP018 - 060**



Due to continuous product improvement, specifications are subject to change without notice.

Visit us on the web at www.york.com

Additional rating information can be found at www.ahridirectory.org.

DESCRIPTION

This fan coil unit provides the flexibility for installation in any upflow or horizontal application. These versatile models may be used for split-system cooling or heat pump operation. Compact cabinets along with return air options in both the upflow and horizontal positions allow this unit to fit into tight spaces such as attics, crawl spaces, and closets.

NOTE: For matching condensing units and performance data, refer to condenser technical guides.

FEATURES

CABINET -The compact and sturdy cabinet is protected with a durable, attractive finish to prevent rust. The cabinet is also insulated to prevent cabinet sweating. F6FP models have 3/4" insulation.

BLOWERS - Blowers are sized to circulate air both quietly and efficiently. The direct-drive, multi-speed, efficient X-13 motors provide a selection of air volume to match any application. Motor speeds may be selected via quick connect terminal at the motor. Slide-out blower/motor assemblies provide for easy servicing.

COILS - The rifled tube coil/aluminum fin coils produce high performance ratings and provide long lasting quality. The coils are capable of bottom return air in the upflow position, and right or left end return air in the horizontal position.

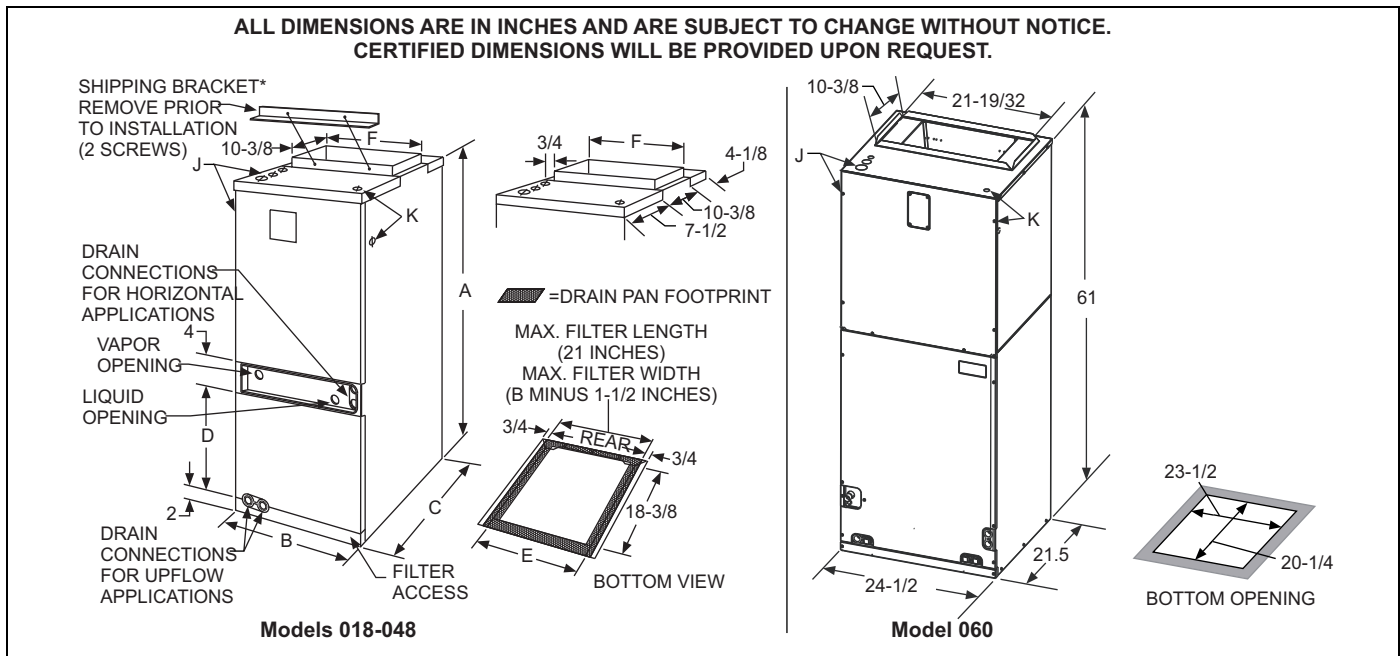
FLEX-COILS - For added application flexibility, an orifice metering device or R-22 or R-410A TXV should be installed on "Flex-coils" in the field to meet the required refrigerant choice.

ELECTRIC HEATERS - Models providing up to 25kW of heat are available as field installed accessories. Electric heaters are available in both single and three phase.

EASY INSTALLATION - These fan coil units are designed to provide the lowest total installation cost. Accessible color coded control wiring, top and side power wiring knockouts, easy to install drain connections and electric heaters all combine to minimize installed cost on every job.

CONTROL BOARD - The control board is equipped with low voltage terminal strips for easy installation. The control board is also equipped with plug-in receptacles for the auxiliary heaters.

DIMENSIONS



Dimensions

Model ¹	Dimensions						Wiring K.O.s ²		Refrigerant Connections Line Size	
	A	B	C	D	E	F	J	K	Liquid	Vapor
	Height	Width	Depth				Power	Control		
F6FP018H06T**	40-3/4	18	22	12-1/8	14-7/8	16-1/2	7/8 (1/2) 1-3/8 (1)	7/8 (1/2)	3/8	5/8
F6FP024H06T**	40-3/4	18			14-7/8	16-1/2				3/4
F6FP030H06T**	40-3/4	21-1/2			18-3/8	20				3/4
F6FP036H06T**	40-3/4	21-1/2			18-3/8	20				7/8
F6FP042H06T**	50-3/4	24	17-3/8	17-3/8	20-7/8	22-1/2	7/8 (1/2) 1-3/8 (1) 1-23/32	7/8 (1/2)	3/8	7/8
F6FP048H06T**	50-3/4	24			20-7/8	22-1/2				7/8
F6FP060H06T**	61	24-1/2			21-1/2	23-1/2				21-19/32

1. All models only available with factory installed horizontal drain pan.
2. Actual conduit size is shown in parenthesis.

COIL TECHNICAL DATA

Models	Application	Refrigerant Connection Type	Face Area (Sq. Ft.)	Deep Rows	Fins Per Inch	Coil Slab Size		Tube Geometry	Tube Dia.	Fin. Type	Metering Device
						H	W				
F6FP018H06T**	A/C & HP	Sweat	3.40	2	14	14	17.5	1 x .886	3/8	Enhanced	Field Installed
F6FP024H06T**	A/C & HP	Sweat	3.89	2	14	16	17.5	1 x .886	3/8	Enhanced	Field Installed
F6FP030H06T**	A/C & HP	Sweat	3.89	3	11	16	17.5	1 x .886	3/8	Enhanced	Field Installed
F6FP036H06T**	A/C & HP	Sweat	3.89	3	11	16	17.5	1 x .886	3/8	Enhanced	Field Installed
F6FP042H06T**	A/C & HP	Sweat	5.35	3	12	22	17.5	1 x .886	3/8	Enhanced	Field Installed
F6FP048H06T**	A/C & HP	Sweat	5.83	3	12	24	17.5	1 x .886	3/8	Enhanced	Field Installed
F6FP060H06T**	A/C & HP	Sweat	6.80	3	12	28	17.5	1 x .886	3/8	Enhanced	Field Installed

COOLING CAPACITY

Blower Model	Rated CFM	Entering Air °F (Dry / Wet Bulb)	MBH @ Evaporator Temperature and Corresponding Pressure °F / PSIG			
			35 / 61.5	40 / 68.5	45 / 76.0	50 / 84.0
Upflow / Horizontal Positions Only						
F6FP018H06T**	615	85 / 72	36.3	33.0	29.5	25.6
		80 / 67	33.4	30.2	26.7	23.1
		75 / 62	27.4	24.3	21.0	17.7
		70 / 57	22.2	19.3	16.2	12.6
F6FP024H06T**	830	85 / 72	41.5	37.8	33.7	29.5
		80 / 67	36.2	32.4	28.6	24.5
		75 / 62	29.1	25.3	24.0	19.2
		70 / 57	24.1	21.5	18.7	15.8
F6FP030H06T**	1050	85 / 72	88.4	76.0	63.3	50.0
		80 / 67	70.8	59.4	48.4	37.0
		75 / 62	55.2	43.9	35.8	29.9
		70 / 57	47.4	41.5	35.8	29.9
F6FP036H06T**	1185	85 / 72	88.4	76.0	63.3	50.0
		80 / 67	70.8	59.4	48.4	37.0
		75 / 62	55.2	43.9	35.9	29.9
		70 / 57	47.4	41.5	35.8	29.9
F6FP042H06T**	1400	85 / 72	100.5	86.4	72.0	56.8
		80 / 67	80.4	67.5	55.0	42.1
		75 / 62	62.7	49.9	40.7	34.0
		70 / 57	53.9	47.2	40.7	34.0
F6FP048H06T**	1600	85 / 72	119.9	101.0	82.0	62.2
		80 / 67	96.0	79.2	62.6	45.8
		75 / 62	74.8	58.6	46.2	37.0
		70 / 57	64.3	55.4	46.2	37.0
F6FP060H06T**	1850	85 / 72	119.9	101.0	82.0	62.2
		80 / 67	96.0	79.2	62.6	45.8
		75 / 62	74.8	58.6	46.2	37.0
		70 / 57	64.3	55.4	46.2	37.0

ACCESSORIES

Refer to Price Manual for specific model numbers.

VERTICAL SUSPENSION KIT - The suspension kit is designed to be used with all sizes of fan coil units whenever the application requires vertical suspension of the unit.

ELECTRIC HEATERS - Models shown under Electrical Data include sequencers and temperature dual limit switches for safe, efficient operation. Circuit breakers are provided where shown.

BOLT-ON THERMAL EXPANSION VALVE - R-22 and R-410A TXV kits are available for enhanced efficiency.

EXTERNAL FILTER RACK - The F6FP air handler requires an external filter rack be used, as there are no provisions for internally installed filter. For multi-position applications, specify filter rack assembly 1FR0824, which includes a 1" permanent filter. For horizontal applications, use filter rack 1RF0724.

LIMITATIONS

These units must be wired and installed in accordance with all national and local safety codes. Voltage limits are as follows:

Normal Operating voltage Range ¹	187-253
---	---------

1. Utilization range "A" in accordance with ARI Std. 110.

Air flow must be within the minimum and maximum limits approved for electric heat, evaporator coils and outdoor units:

Entering Air Temperature Limits			
Wet Bulb Temp. °F		Dry Bulb Temp. °F	
Min.	Max.	Min.	Max.
57	72	65	95

EXTENDED AIRFLOW DATA¹ FOR 230 VOLT - HEAT PUMP MODELS

Models	Blower Motor Speed	230 Volt									
		CFM @ External Static Pressure - IWC									
		0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
F6FP018H06T**	High-1	1160	1123	1091	1056	1019	995	956	893	819	697
	Med-High-2	1044	1010	975	936	898	863	825	794	740	635
	Medium-3	852	816	773	744	699	667	628	580	554	521
	Med-Low-4	630	613	564	524	487	436	391	356	310	267
	Low-5	680	523	455	415	372	339	287	247	208	—
F6FP024H06T**	High-1	1257	1218	1182	1141	1116	1080	1041	1003	956	871
	Med-High-2	1116	1077	1044	1003	975	930	896	851	809	777
	Medium-3	858	834	784	755	710	664	621	584	558	533
	Med-Low-4	734	698	621	589	541	468	457	392	348	252
	Low-5	762	677	593	518	473	415	377	333	226	201
F6FP030H06T**	High-1	1154	1118	1091	1045	1011	972	900	856	843	645
	Med-High-2	1013	999	955	918	893	854	817	785	624	587
	Medium-3	837	798	761	719	663	637	585	554	469	453
	Med-Low-4	616	576	526	473	428	375	326	251	203	—
	Low-5	526	466	417	355	290	252	—	—	—	—
F6FP036H06T**	High-1	1565	1539	1501	1474	1441	1406	1341	1257	1179	1112
	Med-High-2	1383	1352	1317	1289	1256	1218	1179	1143	1090	1018
	Medium-3	1215	1185	1151	1119	1087	1049	1010	970	932	877
	Med-Low-4	1012	971	930	892	850	808	772	713	672	616
	Low-5	879	842	793	753	701	661	618	558	521	471
F6FP042H06T**	High-1	1922	1895	1876	1841	1812	1788	1760	1732	1707	1682
	Med-High-2	1704	1677	1648	1615	1582	1555	1524	1495	1467	1439
	Medium-3	1445	1414	1375	1336	1298	1265	1229	1196	1164	1132
	Med-Low-4	1303	1263	1220	1166	1136	1094	1055	1018	985	949
	Low-5	1116	1054	996	953	907	859	818	779	740	703
F6FP048H06T**	High-1	2026	2006	1971	1937	1902	1866	1830	1801	1770	1692
	Med-High-2	1799	1777	1753	1715	1671	1636	1590	1553	1521	1482
	Medium-3	1618	1583	1547	1498	1455	1411	1376	1340	1303	1238
	Med-Low-4	1395	1355	1297	1245	1211	1175	1112	1056	1018	972
	Low-5	1201	1112	1056	1012	958	912	876	814	763	732
F6FP060H06T**	High-1	2130	2090	2052	1983	1917	1801	1715	1610	1487	1332
	Med-High-2	1902	1859	1824	1795	1756	1718	1649	1557	1450	1326
	Medium-3	1699	1666	1616	1593	1547	1518	1481	1451	1354	1250
	Med-Low-4	1474	1425	1392	1353	1314	1282	1236	1226	1182	1137
	Low-5	1255	1213	1174	1135	1098	1051	1004	954	839	798

NOTE: Air flow data shown above 1/2" w.c. external static pressure is for REFERENCE ONLY. Maximum allowable external static when electric heat is used is limited to 1/2" w.c. Maximum allowable external static pressure may also be limited by minimum CFM requirements for proper Heat Pump operation.

1. Includes Return Air Filter and Largest Electric Heater.

All F*FP series air handler units are UL Listed up to 1/2" w.c. external static pressure, including air filter, wet coil, and largest kW size heater.

EXTENDED AIR FLOW DATA¹ FOR 208 VOLT - HEAT PUMP MODELS

Models	Blower Motor Speed	208 Volt									
		CFM @ External Static Pressure - IWC									
		0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
F6FP018H06T**	High-1	1102	1067	1036	1003	968	945	908	848	778	662
	Med-High-2	992	960	926	889	853	820	784	754	703	603
	Medium-3	809	775	734	707	664	634	597	551	526	495
	Med-Low-4	599	582	536	498	463	414	371	338	295	254
	Low-5	646	497	432	394	353	322	273	235	–	–
F6FP024H06T**	High-1	1194	1157	1123	1084	1060	1026	989	953	908	827
	Med-High-2	1060	1023	992	953	926	884	851	808	769	738
	Medium-3	815	792	745	717	675	631	590	555	530	506
	Med-Low-4	697	663	590	560	514	445	434	372	331	239
	Low-5	724	643	563	492	449	394	358	316	215	–
F6FP030H06T**	High-1	1096	1062	1036	993	960	923	855	813	801	613
	Med-High-2	962	949	907	872	848	811	774	746	593	558
	Medium-3	795	758	723	683	630	605	556	526	446	430
	Med-Low-4	585	547	500	449	407	356	310	238	–	–
	Low-5	500	443	396	337	276	239	–	–	–	–
F6FP036H06T**	High-1	1487	1462	1426	1400	1369	1336	1274	1194	1120	1056
	Med-High-2	1314	1284	1251	1225	1193	1157	1120	1086	1036	967
	Medium-3	1154	1126	1093	1063	1033	997	960	922	885	833
	Med-Low-4	961	922	884	847	808	768	733	677	638	585
	Low-5	835	800	753	715	666	628	587	530	495	447
F6FP042H06T**	High-1	1925	1906	1872	1840	1807	1773	1739	1711	1682	1607
	Med-High-2	1709	1688	1665	1629	1587	1554	1511	1475	1445	1408
	Medium-3	1537	1504	1470	1423	1382	1340	1307	1273	1238	1176
	Med-Low-4	1325	1287	1232	1183	1150	1116	1056	1003	967	923
	Low-5	1141	1056	1003	961	910	866	832	773	725	695
F6FP048H06T**	High-1	1925	1906	1872	1840	1807	1773	1739	1711	1682	1607
	Med-High-2	1709	1688	1665	1629	1587	1554	1511	1475	1445	1408
	Medium-3	1537	1504	1470	1423	1382	1340	1307	1273	1238	1176
	Med-Low-4	1325	1287	1232	1183	1150	1116	1056	1003	967	923
	Low-5	1141	1056	1003	961	910	866	832	773	725	695
F6FP060H06T**	High-1	2024	1986	1949	1884	1821	1711	1629	1530	1413	1265
	Med-High-2	1807	1766	1733	1705	1668	1632	1567	1479	1378	1260
	Medium-3	1614	1583	1535	1513	1470	1442	1407	1378	1286	1188
	Med-Low-4	1400	1354	1322	1285	1248	1218	1174	1165	1123	1080
	Low-5	1192	1152	1115	1078	1043	998	954	906	797	758

NOTE: Air flow data shown above 1/2" w.c. external static pressure is for REFERENCE ONLY. Maximum allowable external static when electric heat is used is limited to 1/2" w.c. Maximum allowable external static pressure may also be limited by minimum CFM requirements for proper Heat Pump operation.

1. Includes Return Air Filter and Largest Electric Heater.

All F*FP series air handler units are UL Listed up to 1/2" w.c. external static pressure, including air filter, wet coil, and largest kW size heater.

APPLICATION FACTORS-RELATED CFM VS. ACTUAL CFM

% Of Rated Airflow	80%	90%	RATED CFM	110%	120%
Capacity Factor	0.96	0.98	1.00	1.02	1.03

Physical and Electrical Data

MODEL		F6FP018H06T**	F6FP240H06T**	F6FP030H06T**	F6FP036H06T**	F6FP042H06T**	F6FP048H06T**	F6FP060H06T**
Blower - Diameter Width		10x6	10x8	10x8	10x8	11x10	11x10	11x10
Motor	HP	1/3	1/3	1/3	1/2	3/4	3/4	3/4
	Nominal RPM	1050	1050	1050	1050	1050	1050	1050
Voltage		208/230						208/230
Amps	Full Load	2.8	2.8	2.8	4.1	6.0	6.0	7.0
	Type	Disposable/Permanent						
Filter¹	Size	16x20x1	16x20x1	20x20x1	20x20x1	20x20x1	22x20x1	24x20x1
	Permanent Type Kit	1PF0601BK	1PF0601BK	1PF0602BK	1PF0601BK	1PF0602BK	1PF0603BK	1PF0604BK
Shipping/Operating Weight (lbs.)		98/93	105/100	121/115	121/115	150/144	150/144	153/147

1. Field Supplied.

ELECTRICAL DATA - Cooling Only

Models	Total Motor Amps		Minimum Circuit ampacity		Max. O.C.P. ¹ Amps/ Type	Minimum Wire Size A.W.G.
	208V	230V	208V	230V		
F6FP018H06T**	2.8	2.8	3.5	3.5	15	14
F6FP024H06T**	2.8	2.8	3.5	3.5	15	14
F6FP030H06T**	2.8	2.8	3.5	3.5	15	14
F6FP036H06T**	4.1	4.1	5.1	5.1	15	14
F6FP042H06T**	6.0	6.0	7.5	7.5	15	14
F6FP048H06T**	6.0	6.0	7.5	7.5	15	14
F6FP060H06T**	6.0	6.0	7.5	7.5	15	14

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

KW & MBH CONVERSIONS - FOR TOTAL POWER INPUT REQUIREMENT

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

ELECTRICAL DATA - 1Ø - 208/230 - 1-60

Models	Heater ¹ Model	MAX. STATIC & MIN. CFM		Total Heat ²				KW Staging ³					
				KW		MBH		W1 Only		W2 Only		W1 + W2	
		Static	Tap	208V	230V	208V	230V	208V	230V	208V	230V	208V	230V
F6FP018H06T**	2HK*6500506B	0.5	Low	3.8	5.0	13.0	17.1	3.8	5.0	3.8	5.0	3.8	5.0
	2HK*6500806B		Low	5.6	7.5	19.1	25.6	3.8	5.0	5.6	7.5	5.6	7.5
	2HK*6501006B		Low	7.5	10.0	25.6	34.1	3.8	5.0	7.5	10.0	7.5	10.0
F6FP024H06T**	2HK*6500506B	0.5	Low	3.8	5.0	13.0	17.1	3.8	5.0	3.8	5.0	3.8	5.0
	2HK*6500806B		Low	5.6	7.5	19.1	25.6	3.8	5.0	5.6	7.5	5.6	7.5
	2HK*6501006B		Low	7.5	10.0	25.6	34.1	3.8	5.0	7.5	10.0	7.5	10.0
F6FP030H06T**	2HK*6500506B	0.5	Low	3.8	5.0	13.0	17.1	3.8	5.0	3.8	5.0	3.8	5.0
	2HK*6500806B		Low	5.6	7.5	19.1	25.6	3.8	5.0	5.6	7.5	5.6	7.5
	2HK*6501006B		Low	7.5	10.0	25.6	34.1	3.8	5.0	7.5	10.0	7.5	10.0
	2HK16501506B		Medium	11.3	15.0	38.6	51.2	3.8	5.0	7.5	10.0	11.3	15.0
F6FP036H06T**	2HK*6500506B	0.5	Low	3.8	5.0	13.0	17.1	3.8	5.0	3.8	5.0	3.8	5.0
	2HK*6500806B		Low	5.6	7.5	19.1	25.6	3.8	5.0	5.6	7.5	5.6	7.5
	2HK*6501006B		Low	7.5	10.0	25.6	34.1	3.8	5.0	7.5	10.0	7.5	10.0
	2HK16501506B		Medium	11.3	15.0	38.6	51.2	3.8	5.0	7.5	10.0	11.3	15.0
F6FP042H06T**	2HK*6500506B	0.5	Low	3.8	5.0	13.0	17.1	3.8	5.0	3.8	5.0	3.8	5.0
	2HK*6500806B		Low	5.6	7.5	19.1	25.6	3.8	5.0	5.6	7.5	5.6	7.5
	2HK*6501006B		Low	7.5	10.0	25.6	34.1	3.8	5.0	7.5	10.0	7.5	10.0
	2HK16501506B		Low	11.3	15.0	38.6	51.2	3.8	5.0	7.5	10.0	11.3	15.0
F6FP048H06T**	2HK16500506B	0.5	Med-Low	3.8	5.0	13.0	17.1	3.8	5.0	3.8	5.0	3.8	5.0
	2HK16500806B		Med-Low	5.6	7.5	19.1	25.6	3.8	5.0	5.6	7.5	5.6	7.5
	2HK*6501006B		Med-Low	7.5	10.0	25.6	34.1	3.8	5.0	7.5	10.0	7.5	10.0
	2HK16501506B		Med-Low	11.3	15.0	38.6	51.2	3.8	5.0	7.5	10.0	11.3	15.0
	2HK16502006B		Med-Low	15.0	20.0	51.2	68.3	3.8	5.0	11.3	10.0	15.0	20.0
	2HK16502506B		Med-Low	18.8	25.0	64.2	85.3	3.8	5.0	11.3	15.0	18.8	25.0
F6FP060H06T**	4HK*6500506	0.5	Medium	3.6	4.8	12.3	16.4	3.6	4.8	3.6	4.8	3.6	4.8
	4HK*6500806		Medium	5.6	7.5	19.2	25.6	2.8	3.75	5.6	7.5	5.6	7.5
	4HK*6501006		Medium	7.2	9.6	24.6	32.8	3.6	4.8	7.2	9.6	7.2	9.6
	4HK16501506		Medium	10.8	14.4	36.9	49.1	3.6	4.8	7.2	9.6	10.8	14.4
	4HK16501806		Medium	13.2	17.6	45.1	60.1	3.3	4.4	6.6	8.8	13.2	17.6
	4HK16502006		Medium	14.4	19.2	49.2	65.5	3.6	4.8	7.2	9.6	14.4	19.2
	4HK16502506		Medium	18.0	24.0	61.5	81.9	3.6	4.8	10.8	14.4	18.0	24

NOTE: All models available with factory installed horizontal drain pan.

- 0 or as follows: 0 = No Breaker, 1 = Breaker.
- See Conversion Table below:
- If first stage heat or 66 is connected to W1, otherwise refer to this table.

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

Models	Heater Model ¹	Heater Amps 240V	Field Wiring					
			Min. Circuit Ampacity		Max. O.C.P. ² Amps/Type		75°C Wire Size - AWG	
			208V	230V	208V	230V	208V	230V
F6FP018H06T**	2HK*6500506B	20.8	26.0	29.5	30	30	10	10
	2HK*6500806B	31.3	37.4	42.6	40	45	8	8
	2HK*6501006B	41.7	48.7	55.6	50	60	8	6
F6FP024H06T**	2HK*6500506B	20.8	26.0	29.5	30	30	10	10
	2HK*6500806B	31.3	37.4	42.6	40	45	8	8
	2HK*6501006B	41.7	48.7	55.6	50	60	8	6
F6FP030H06T**	2HK*6500506B	20.8	26.0	29.5	30	30	10	10
	2HK*6500806B	31.3	37.4	42.6	40	45	8	8
	2HK*6501006B	41.7	48.7	55.6	50	60	8	6
	2HK16501506B	62.5	71.2	81.6	80	90	4	3
F6FP036H06T**	2HK*6500506B	20.8	27.7	31.1	30	35	10	10
	2HK*6500806B	31.3	39.0	44.3	40	45	8	8
	2HK*6501006B	41.7	50.3	57.3	50	60	8	6
	2HK16501506B	62.5	72.8	83.3	80	90	4	3
F6FP042H06T**	2HK*6500506B	20.8	30.0	33.5	30	35	10	8
	2HK*6500806B	31.3	41.4	46.6	40	50	8	8
	2HK*6501006B	41.7	52.7	59.6	60	60	6	6
	2HK16501506B	62.5	75.2	85.6	80	90	4	3
F6FP048H06T**	2HK*6500506B	20.8	30.0	33.5	35	35	8	8
	2HK*6500806B	31.3	41.4	46.6	45	50	8	8
	2HK*6501006B	41.7	52.7	59.6	60	60	6	4
	2HK16501506B	62.5	75.2	85.6	80	90	4	3
	2HK16502006B	83.3	97.7	111.6	100	125	2	1
	2HK16502506B	104.2	120.4	137.8	125	150	1	1/0
F6FP060H06T**	4HK*6500506	20.0	29.29	31.88	30	35	10	8
	4HK*6500806	31.3	41.48	46.00	45	50	8	8
	4HK*6501006	40.0	53.08	58.75	60	60	6	6
	4HK16501506	60.0	74.75	83.75	90	90	3	3
	4HK16501806	73.3	89.19	100.38	90	110	3	2
	4HK16502006	80.0	96.42	108.75	100	125	3	1
	4HK16502506	100.0	118.08	133.75	125	150	1	1/0

1. 0 or 1 as follows: 0 = No Breaker, 1 = Breaker

2. OCP = Over Current Protection device, must be HACR type Circuit Breaker or Time Delay fuse.

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

Models	Heater Model	Min. Circuit Ampacity			Max. O.C.P. ¹ Amps/Type			75°C Wire Size - AWG		
		Circuit			Circuit			Circuit		
		1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
		208/230V	208/230V	208/230V	208/230V	208/230V	208/230V	208/230V	208/230V	208/230V
F6FP030H06T**	2HK16501506B	26.2/29.3	45.1/52.1	–	30/30	50/60	–	10/10	8/6	–
F6FP036H06T**	2HK16501506B	27.2/30.1	45.1/52.1	–	30/30	50/60	–	10/10	8/6	–
	2HK16501506B	28.8/31.7	45.1/52.1	–	30/30	50/60	–	10/10	8/6	–
F6FP042H06T**	2HK16501506B	30.1/33.0	45.1/52.1	–	30/35	50/60	–	10/8	8/6	–
F6FP048H06T**	2HK16501506B	30.8/33.6	45.1/52.1	–	35/40	50/60	–	8/8	8/6	–
	2HK16502006B	53.3/59.6	45.1/52.1	–	60/70	50/60	–	6/4	8/6	–
	2HK16502506B	31.8/33.6	45.1/52.1	45.1/52.1	35/40	50/60	50/60	8/8	8/6	8/6
F6FP060H06T**	4HK16501506	53.1 / 58.8	21.7 / 25.0	–	60 / 60	25 / 25	–	6 / 6	10 / 10	–
	4HK16501806	49.5 / 54.6	39.7 / 45.8	–	50 / 60	40 / 50	–	8 / 6	8 / 8	–
	4HK16502006	53.1 / 58.8	43.3 / 50.0	–	60 / 60	45 / 50	–	6 / 6	8 / 8	–
	4HK16502506	49.3 / 56.5	43.3 / 50.0	21.7 / 25.0	50 / 60	45 / 50	25 / 25	8 / 6	8 / 8	10 / 10

1. OCP = Over Current Protection device, must be HACR type Circuit Breaker or Time Delay fuse.

ELECTRICAL DATA - 3 Ø - 208/230-3-60

Models	Heater Model	MAX. STATIC & MIN. CFM		Total Heat ¹				KW Staging ²					
		Static	Tap	KW		MBH		W1 Only		W2 Only		W1 + W2	
				208V	230V	208V	230V	208V	230V	208V	230V	208V	230V
F6FP018H06T**	2HK06501025B	0.5	Low	7.5	10.0	25.6	34.1	3.8	5.0	7.5	5.0	7.5	10.0
F6FP024H06T**	2HK06501025B	0.5	Low	7.5	10.0	25.6	34.1	3.8	5.0	7.5	5.0	7.5	10.0
F6FP030H06T**	2HK06501025B	0.5	Low	7.5	10.0	25.6	34.1	3.8	5.0	7.5	5.0	7.5	10.0
	2HK06501525B	0.5	High	11.3	15.0	38.6	51.2	3.8	5.0	7.5	10.0	11.3	15.0
F6FP036H06T**	2HK06501025B	0.5	Low	7.5	10.0	25.6	34.1	3.8	5.0	7.5	5.0	7.5	10.0
	2HK06501525B	0.5	High	11.3	15.0	38.6	51.2	3.8	5.0	7.5	10.0	11.3	15.0
F6FP042H06T**	2HK06501025B	0.5	Low	7.5	10.0	25.6	34.1	3.8	5.0	7.5	5.0	7.5	10.0
	2HK06501525B	0.5	Low	11.3	15.0	38.6	51.2	3.8	5.0	7.5	10.0	11.3	15.0
F6FP048H06T**	2HK06501025B	0.5	Med Low	7.5	10.0	25.6	34.1	3.8	5.0	7.5	5.0	7.5	10.0
	2HK06501525B	0.5	Med Low	11.3	15.0	38.6	51.2	3.8	5.0	7.5	10.0	11.3	15.0
F6FP060H06T**	4HK06501025	0.5	Medium	7.2	9.6	24.6	32.8	7.2	9.6	7.2	9.6	7.2	9.6
	4HK06501525	0.5	Medium	10.8	14.4	36.9	49.1	10.8	14.4	10.8	14.4	10.8	14.4
	4HK16502525	0.5	Medium	18.0	24.0	61.4	81.4	9.0	12.0	18.0	24.0	18.0	24.0

1. See Conversion Table below.

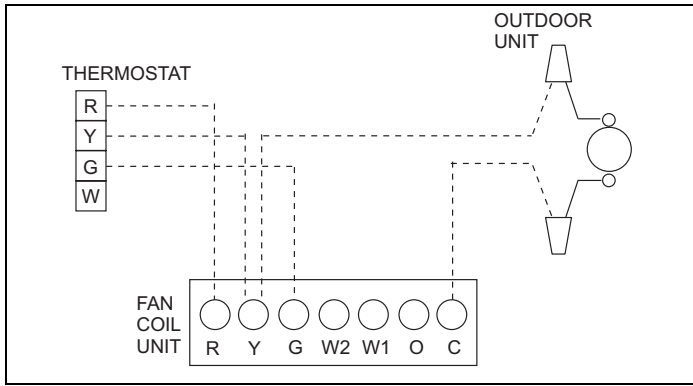
2. If first stage heat is connected to W1/66, otherwise refer to Table below.

ELECTRICAL DATA - 3 Ø - (SINGLE SOURCE POWERSUPPLY) - COPPER WIRE

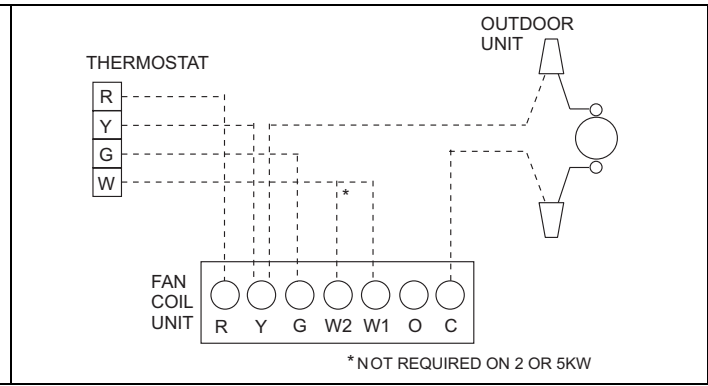
Models	Heater Models	Field Wiring					
		Min. Circuit Ampacity		Max. O.C.P. ¹ Amps		75°C Wire Size - AWG	
		208V	230V	208V	230V	208V	230V
F6FP018H06T**	2HK06501015B	44.0	48.1	45	50	8	8
F6FP024H06T**	2HK06501025B	44.0	48.1	45	50	8	8
F6FP030H06T**	2HK06501025B	45.0	48.0	45	50	8	8
	2HK06501525B	44.0	48.0	45	50	8	8
F6FP036H06T**	2HK06501025B	44.1	49.6	45	50	8	8
	2HK06501525B	44.1	49.6	45	50	8	8
F6FP042H06T**	2HK06501025B	46.2	51.6	50	60	8	6
	2HK06501525B	46.2	51.6	50	60	8	6
F6FP048H06T**	2HK06501025B	46.3	51.9	50	60	8	6
	2HK06501525B	46.3	51.9	50	60	8	6
F6FP060H06T**	4HK06501025	34.8	37.6	35	40	8	8
	4HK06501525	47.3	52.1	50	60	8	6
	4HK16502525	72.3	81.0	80	90	4	3

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

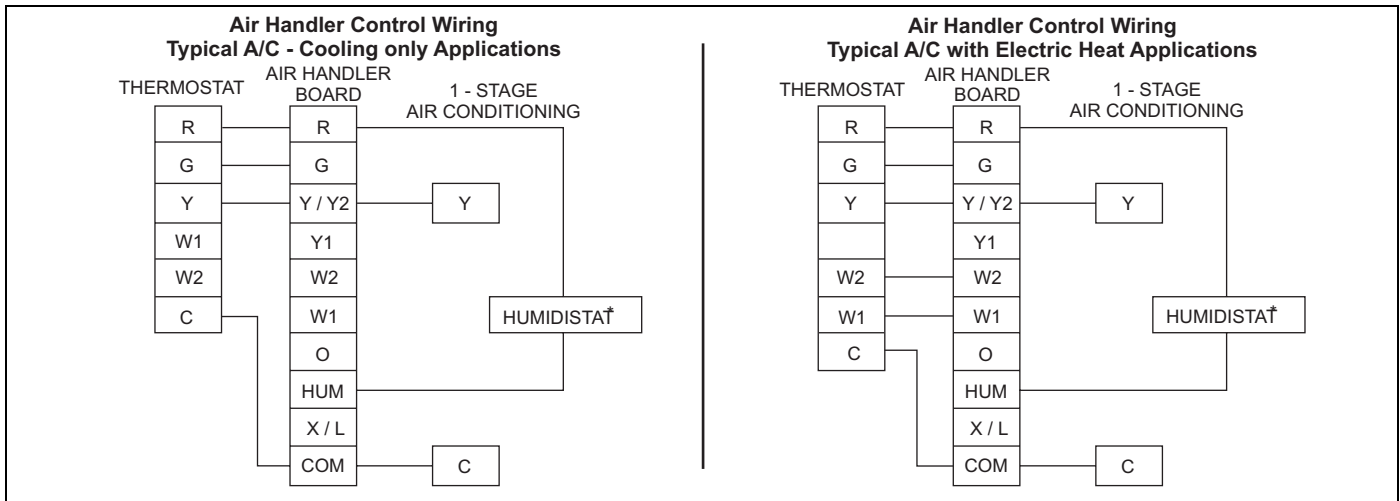
FIELD WIRING CONNECTION - COOLING ONLY



FIELD WIRING CONNECTION - WITH HEATER KIT

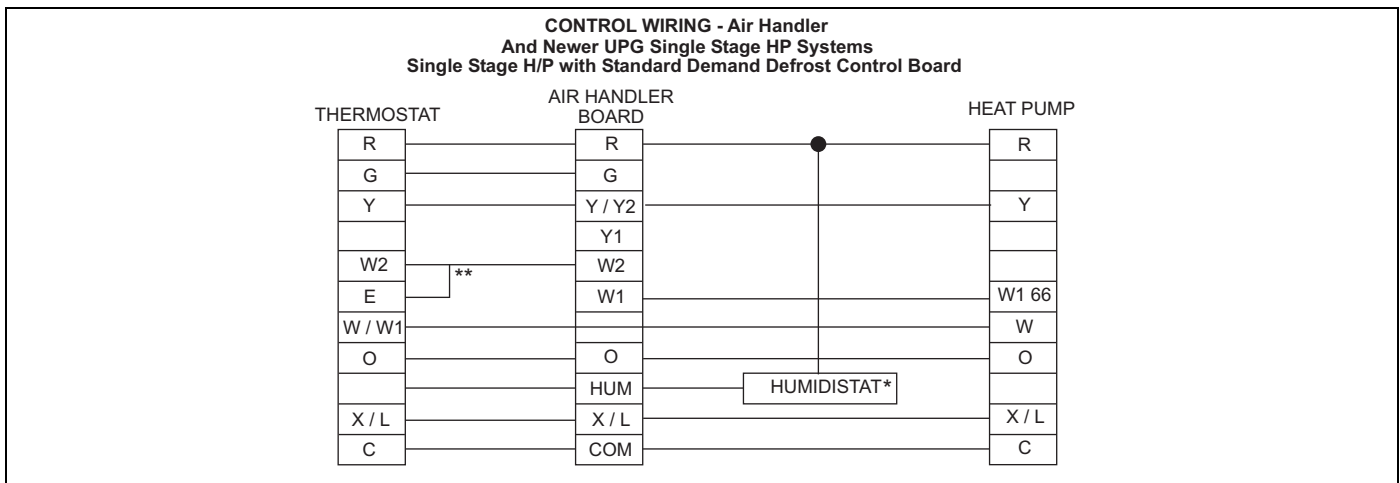


FIELD WIRING CONNECTIONS - COOLING MODELS WITH ELECTRIC HEAT WIRING



* Dehumidification control connection ("Humidistat" jumper on CFM selection board must be removed).

FIELD WIRING CONNECTIONS - SINGLE STAGE HEAT PUMP

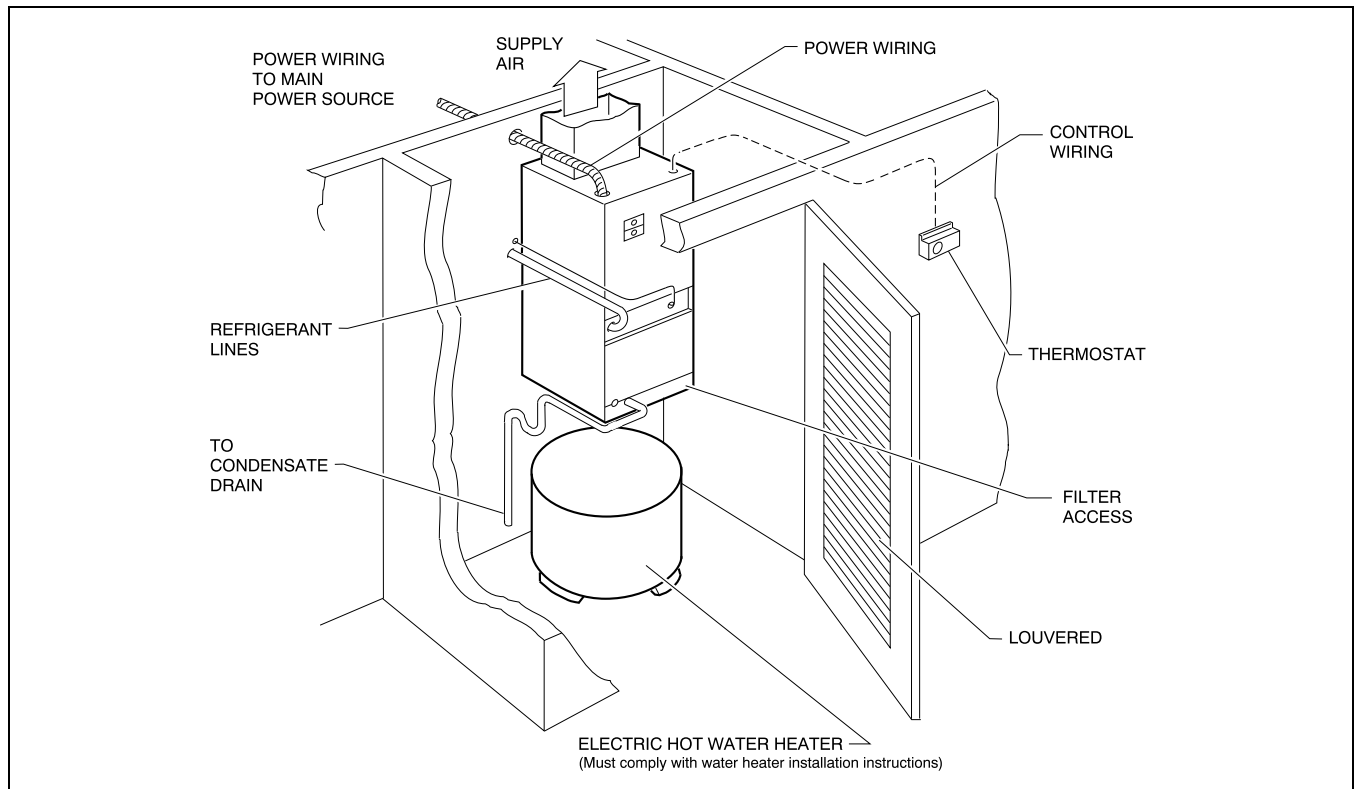


* Dehumidification control connection ("Humidistat" jumper on CFM selection board must be removed).

NOTES:

1. "Y" Terminal on Air Handler Control Board must be connected for full CFM and applications requiring 60 second Blower Off Delay for SEER enhancement.
2. Optional Dehumidification Humidistat contacts open on rise.
3. For F4FV model - Remove Humidistat Jumper on CFM Selection Board - if used.
4. For F4FV model - For Heat Pump Applications - Remove Heat Pump Jumper on CFM Selection Board.
5. To change quantity of heat during HP defrost cycle - Reverse connections at W1 and W2 on Air Handler Control Board.

TYPICAL INSTALLATION



TYPICAL APPLICATIONS

