



HVAC Advanced Products Division

SPLIT-TYPE, HEAT PUMP AIR CONDITIONERS

NO. SP-007

TECHNICAL MANUAL

PUG & PUGH Condensing Units

	<Cooling>	<Heat Pumps>
Models	PUG18 ^{AK} _{BK}	PUGH18 ^{AK} _{BK}
	PUG24 ^{AK} _{BK}	PUGH24 ^{AK} _{BK}
	PUG30 ^{AK} _{BK}	PUGH30 ^{AK} _{BK}
	PUG36 ^{AK} _{BK}	PUGH36 ^{AK} _{BK}
	PUG42 ^{AK} _{BK}	PUGH42 ^{AK} _{BK}

Applies to: 208/230 VAC
Single and Three Phase Models



The Slim Line.
From Mitsubishi Electric.



Mr. SLIM™

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FEATURES



PUG



PUGH

1. **THE PUG CONDENSING UNIT IS A COOLING ONLY MODEL WHILE THE PUGH IS A HEAT PUMP**
2. **PUG OUTDOOR CONDENSING UNITS ARE DESIGNED SPECIFICALLY FOR USE WITH MITSUBISHI ELECTRIC PK, PC AND PL MR. SLIM INDOOR UNITS OF MATCHING NOMINAL CAPACITY**

These units are provided with an outdoor circuit board that is "standard to all models" and operates all functions of the condensing unit. The board also provides operational and diagnostic functions to the technician through the use of LEDs.

3. **PUGH OUTDOOR UNITS ARE DESIGNED SPECIFICALLY FOR USE WITH MITSUBISHI PKH, PCH AND PLH MR. SLIM INDOOR UNITS OF MATCHING NOMINAL CAPACITY**

These units are also provided with the same "standard to all models" outdoor circuit board which operates all functions of the outdoor unit. Operational and diagnostic functions are easily accomplished by routine troubleshooting steps when using the LED diagnostic displays located on the circuit board.

4. **ALL PUG AND PUGH UNITS OF 18,000 BTU'S THROUGH 42,000 BTU'S ARE DRIVEN BY A HIGH EFFICIENCY COPELAND SCROLL COMPRESSOR**
5. **ALL UNITS ARE FACTORY PRECHARGED WITH REFRIGERANT FOR LINE SETS OF UP TO 100 FEET**

This greatly simplifies installation and saves time by eliminating the need to calculate additional refrigerant charges.

PK SERIES – AIR CONDITIONING SYSTEMS

System	Indoor	Outdoor	BTU/h	S.E.E.R.	E.E.R
PKG18FK1	PK18FK1	PUG18	18,000	12.0	11.0
PKG24FK1	PK24FK1	PUG24	24,000	12.0	11.2
PKG30FK1	PK30FK1	PUG30	29,600	12.0	11.2
PKG36FK1	PK36FK1	PUG36	34,200	12.0	11.1

PKH SERIES – HEAT PUMP SYSTEMS

System	Indoor	Outdoor	BTU/h COOL*	BTU/h HEAT (aux) [†]	S.E.E.R.	E.E.R	HSPF	COP
PKG18FK1	PKH18FK1	PUGH18	18,000	18,800(25,300)	12.0	11.0	7.0	3.2
PKG24FK1	PKH24FK1	PUGH24	24,000	24,000(30,500)	12.0	11.2	7.0	2.9
PKG30FK1	PKH30FK1	PUGH30	29,600	29,200(36,700)	12.0	11.2	7.0	3.4
PKG36FK1	PKH36FK1	PUGH36	34,200	34,600(42,100)	12.0	11.1	7.0	3.1

PC SERIES – AIR CONDITIONING SYSTEMS

System	Indoor	Outdoor	BTU/h	S.E.E.R.	E.E.R
PCG24EK1	PC24EK1	PUG24	24,000	12.0	10.4
PCG30EK1	PC30EK1	PUG30	28,800	12.0	10.5
PCG36EK1	PC36EK1	PUG36	35,600	12.0	11.4
PCG42EK1	PC42EK1	PUG42	42,000	12.0	11.4

PCH SERIES – HEAT PUMP SYSTEMS

System	Indoor	Outdoor	BTU/h COOL*	BTU/h HEAT (aux) [†]	S.E.E.R.	E.E.R	HSPF	COP
PCGH24EK1	PCH24EK1	PUGH24	24,000	23,200(29,700)	12.0	10.4	7.0	3.1
PCGH30EK1	PCH30EK1	PUGH30	28,800	26,000(34,500)	12.0	10.5	6.8	3.0
PCGH36EK1	PCH36EK1	PUGH36	35,600	33,000(42,500)	12.0	10.4	7.0	3.3
PCGH42EK1	PCH42EK1	PUGH42	42,000	41,000(50,500)	12.0	11.4	7.0	3.3

PL SERIES – AIR CONDITIONING SYSTEMS

System	Indoor	Outdoor	BTU/h	S.E.E.R.	E.E.R
PLG18FK1	PL18FK1	PUG18	18,000	12.0	10.5
PLG24FK1	PL24FK1	PUG24	22,200	11.5	10.2
PLG30FK1	PL30FK1	PUG30	30,000	12.0	10.9
PLG36FK1	PL36FK1	PUG36	34,200	12.0	10.9
PLG42FK1	PL42FK1	PUG42	41,000	12.0	10.8

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SPECIFICATIONS

PLH SERIES – HEAT PUMP SYSTEMS

System	Indoor	Outdoor	BTU/h COOL*	BTU/h HEAT (aux) [†]	S.E.E.R.	E.E.R	HSPF	COP
PLGH18FK1	PLH18FK1	PUGH18	18,000	17,400(23,900)	12.0	10.5	7.0	3.0
PLGH24FK1	PLH24FK1	PUGH24	22,200	23,200(29,700)	11.5	10.2	6.8	3.0
PLGH30FK1	PLH30FK1	PUGH30	30,000	26,600(36,800)	12.0	10.9	7.0	3.3
PLGH36FK1	PLH36FK1	PUGH36	34,200	33,000(42,500)	12.0	10.9	7.0	3.1
PLGH42FK1	PLH42FK1	PUGH42	41,000	39,000(48,500)	12.0	10.8	7.0	3.1

[†] Based on ETL operating condition. Data applies to 230V. Unit operates at 208/230V. 460V units available on special order.

Specifications subject to change without notice. *cooling tested at 95DB/75WB O/D and 80 DB/67 WB I/D. (Deg.F)

[†]heating tested at 47-53/70-60 (deg.F)

ELECTRICAL SPECIFICATIONS - AIR CONDITIONING CONDENSING UNITS

Model			PUG18AK	PUG24AK	PUG30AK	PUG36AK	PUG42AK
Compressor	Locked Rotor Amps¹	1 PH	45.0	63.0	72.5	93.0	103.0
		3 PH	n/a	55.0	63.0	77.0	88.0
	Rated Load Amps¹	1 PH	9.6	10.6	13.5	14.6	18.0
		3 PH	n/a	7.7	9.0	10.3	12.4
Outdoor Fan	Full Load Amps¹	1 PH	1.0	1.0	1.0	1.9	1.9
		3 PH	n/a	1.0	1.0	1.9	1.9
Unit Total	Full Load Amps¹	1 PH	10.6	11.6	14.5	16.5	19.9
		3 PH	n/a	8.7	10.0	12.2	14.3
Max Fuse Size (Amps)		1 PH	20	20	30	30	40
		3 PH	n/a	15	20	25	25
Min. Circuit Ampacity		1 PH	13	16.3	18.6	19.5	24.4
		3 PH	n/a	10.6	12.3	14.8	17.4

ELECTRICAL SPECIFICATIONS - HEAT PUMP OUTDOOR UNITS

Model			PUGH18AK	PUGH24AK	PUGH30AK	PUGH36AK	PUGH42AK
Compressor	Locked Rotor Amps¹	1 PH	45.0	63.0	72.5	93.0	103.0
		3 PH	n/a	55.0	63.0	77.0	88.0
	Rated Load Amps¹	1 PH	9.6	12.2	13.5	16.0	18.0
		3 PH	n/a	7.7	9.0	10.3	12.4
Outdoor Fan	Full Load Amps¹	1 PH	1.0	1.0	1.0	1.9	1.9
		3 PH	n/a	1.0	1.0	1.9	1.9
Unit Total	Full Load Amps¹	1 PH	10.6	13.2	14.5	17.9	19.9
		3 PH	n/a	8.7	10.0	12.2	14.3
Max Fuse Size (Amps)		1 PH	20	25	30	35	40
		3 PH	n/a	15	20	25	25
Min. Circuit Ampacity		1 PH	13	15.8	18.6	19.5	24.3
		3 PH	n/a	10.6	12.3	14.8	17.4

PK AND PKH-FK INDOOR UNITS WITH PUG AND PUGH OUTDOOR UNITS

Models			PK/H18FK		PK/H24FK		PK/H30FK		PK/H36FK	
Item	Unit		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
			208/230	60	208/230	60	208/230	60	208/230	60
Voltage	V									
Frequency	Hz									
Total input	kW		1.63	1.71	2.14	2.39	2.65	2.54	3.09	3.29
Indoor fan current	A		0.5	0.5	0.5	0.5	0.5	0.5	0.5	8.7/9.6
Booster heater current	A		—	7.6/8.4	—	7.6/8.4	—	7.6/8.4	—	8.7/9.6
Outdoor fan current	A		1.00	1.00	1.00	1.00	1.00	1.00	1.90	1.90
Compressor current (230v)	A		6.3	6.2	8.4	9.3	11.0	10.1	11.8	12.4
Condensing pressure	psi.G		244	237	246	260	254	234	231	255
Suction pressure	psi.G		77	61	72	60	78	55	74	60
Discharge temperature	°F		161	140	165	152	168	136	159	141
Condensing temperature	°F		115	113	116	120	118	112	111	118
Suction temperature	°F		53	36	49	35	49	31	50	34
Comp.shell bottom temperature	°F		121	85	122	82	123	77	118	83
Refrigerant pipe length	ft		25	25	25	25	25	25	25	25
Refrigerant charge	—		5 lbs 10 oz	6 lbs 2 oz	7 lbs 3 oz	7 lbs 9 oz	7 lbs 3 oz	7 lbs 9 oz	7 lbs 3 oz	7 lbs 3 oz
Intake air temperature	DB		80	70	80	70	80	70	80	70
	WB		67	60	67	60	67	60	67	60
Discharge air temperature	DB		61	98	58	105	58	100	57	105
	WB		58	—	55	—	57	—	55	—
Fan speed	r.p.m.		1,490	1,490	1,490	1,490	1,490	1,490	1,490	1,490
Airflow (High)	CFM		710	710	710	710	990	990	990	990
Intake air temperature	DB		95	47	95	47	95	47	95	47
	WB		—	43	—	43	—	43	—	43
Fan speed	r.p.m.		825	825	825	825	825	825	825	825
Airflow	CFM		2,700	2,850	2,850	2,850	2,850	2,850	3,300	3,300
Capacity	Btu/h		18,000	18,800	24,000	24,000	29,600	29,200	34,200	34,600
SHF	—		0.74	—	0.66	—	0.72	—	0.65	—

PL AND PLH INDOOR UNITS WITH PUG AND PUGH OUTDOOR UNITS

Models		PL/H18FK		PL/H24FK		PL/H30FK		PL/H36FK		PL/H42FK	
Item	Unit	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
		208/230	60	208/230	60	208/230	60	208/230	60	208/230	60
Electrical circuit	Voltage	208/230		208/230		208/230		208/230		208/230	
	Frequency	60		60		60		60		60	
	Total input	1.71	1.65	2.18	2.45	2.75	2.48	3.15	3.10	3.81	3.64
	Indoor fan current	0.55	0.55	0.6	0.6	0.5 + 0.5	0.5 + 0.5	0.5 + 0.5	0.5 + 0.5	0.6 + 0.6	0.6 + 0.6
	Booster heater current	—	7.6/8.4	—	7.6/8.4	—	8.4/11.0	—	10.8/12.0	—	10.8/12.0
	Outdoor fan current	1.00	1.00	1.00	1.00	1.00	1.00	1.90	1.90	1.90	1.90
Refrigerant circuit	Compressor current (230v)	5.9	5.7	9.7	9.3	10.7	9.3	11.8	11.7	14.6	14.4
	Condensing pressure	236	224	233	266	262	214	233	232	249	243
	Suction pressure	82	60	70	60	82	58	74	61	76	54
	Discharge temperature	137	118	170	152	170	129	175	156	166	167
	Condensing temperature	113	109	112	122	120	106	112	112	117	114
	Suction temperature	58	35	52	34	51	32	67	35	55	35
	Comp.shell bottom temperature	92	47	111	100	124	54	120	71	161	154
	Refrigerant pipe length	25		25		25		25		25	
	Refrigerant charge	5 lbs 10 oz		6 lbs 2 oz		7 lbs 9 oz		7 lbs 3 oz		7 lbs 15 oz	
	Intake air temperature	80	70	80	70	80	70	80	70	80	70
Indoor side	WB	67	60	67	60	67	60	67	60	67	60
	Discharge air temperature	58	100	57	105	59	102	58	102	56	106
	WB	57	—	55	—	57	—	56	—	54	—
	Fan speed	690		720		670 + 670		670 + 670		720 + 720	
Outdoor side	Airflow (High)	600		640		1,060		1,060		1,090	
	Intake air temperature	95	47	95	47	95	47	95	47	95	47
	WB	—	43	—	43	—	43	—	43	—	43
	Fan speed	825		825		825		825		825	
	Airflow	2,700		2,850		2,850		3,300		3,300	
Capacity	Btu/h	18,000	17,400	22,200	23,200	30,000	28,600	34,200	33,000	41,000	39,000
SHF	—	0.68	—	0.67	—	0.71	—	0.68	—	0.65	—

PC AND PCH INDOOR UNITS WITH PUG AND PUGH OUTDOOR UNITS

Models			PC/H24EK		PC/H30EK		PC/H36EK		PC/H42EK	
Item	Unit		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
			208/230	60	208/230	60	208/230	60	208/230	60
Voltage	V									
Frequency	Hz									
Total input	kW		2.31	2.19	2.75	2.52	3.14	2.89	3.81	3.50
Indoor fan current	A		0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3
Booster heater current	A		—	7.6/8.4	—	9.8/10.8	—	10.8/12.0	—	10.8/12.0
Outdoor fan current	A		1.00	1.00	1.00	1.00	1.90	1.90	1.90	1.90
Compressor current (230v)	A		9.3	9.1	10.2	9.4	11.4	10.5	14.7	13.6
Condensing pressure	psi.G		234	218	253	226	235	209	254	234
Suction pressure	psi.G		76	59	78	56	77	58	78	55
Discharge temperature	°F		186	158	172	155	165	146	174	175
Condensing temperature	°F		112	107	118	110	113	104	118	112
Suction temperature	°F		67	48	56	31	68	45	61	45
Comp.shell bottom temperature	°F		132	109	126	40	127	98	126	115
Refrigerant pipe length	ft		25		25		25		25	
Refrigerant charge	—		6 lbs 2 oz		7 lbs 9 oz		7 lbs 3 oz		7 lbs 15 oz	
Intake air temperature	DB		80	70	80	70	80	70	80	70
	WB		67	60	67	60	67	60	67	60
Discharge air temperature	DB		60	96	57	101	59	98	56	103
	WB		57	—	56	—	57	—	55	—
Fan speed	r.p.m.		1485	1470	1485	1470	1505	1480	1505	1480
Airflow (High)	CFM		830	920	830	920	1100	1270	1100	1270
Intake air temperature	DB		95	47	95	47	95	47	95	47
	WB		—	43	—	43	—	43	—	43
Fan speed	r.p.m.			825		825		825		825
Airflow	CFM			2,850		2,850		3,300		3,300
Capacity	Btu/h		24,000	23,200	28,800	26,000	35,600	33,000	42,000	41,000
SHF	—		0.68	—	0.67	—	0.70	—	0.68	—

PK/H18FK with PUG/H18 (Indoor Air = 710 CFM)C
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75°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	18,288	14.51	1,261	10,592	13,428	16,263	18,288	18,288	70	181
65	18,864	14.70	1,283	9,370	12,205	15,040	17,875	18,864	72	183
67	19,944	15.31	1,303	8,315	11,150	13,985	16,820	19,655	75	188
69	20,214	15.17	1,333	6,949	9,784	12,619	15,454	18,289	78	193
71	20,988	15.48	1,355	5,746	8,582	11,417	14,252	17,087	81	200

85°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	17,604	12.22	1,440	10,327	13,162	15,997	17,604	17,604	71	205
65	18,162	12.43	1,462	9,106	11,942	14,777	17,612	18,162	73	208
67	18,720	12.62	1,483	7,872	10,707	13,542	16,377	18,720	76	214
69	19,476	12.88	1,512	6,692	9,527	12,362	15,197	18,032	79	220
71	20,214	13.10	1,543	5,487	8,322	11,157	13,992	16,828	83	227

95°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	16,920	10.65	1,589	10,062	12,897	15,732	16,920	16,920	72	233
65	17,460	10.83	1,612	8,845	11,680	14,515	17,350	17,460	75	238
67	18,000	11.01	1,635	7,613	10,448	13,283	16,119	18,000	77	244
69	18,720	11.24	1,666	6,430	9,265	12,100	14,936	17,771	81	250
71	19,440	11.44	1,699	5,229	8,064	10,899	13,734	16,570	84	257

105°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	14,976	8.60	1,741	9,319	12,154	14,976	14,976	14,976	73	267
65	15,498	8.77	1,767	8,121	10,956	13,792	15,498	15,498	76	273
67	16,020	8.93	1,794	6,910	9,745	12,580	15,415	16,020	78	279
69	16,668	9.13	1,826	5,728	8,563	11,398	14,233	16,668	82	285
71	17,298	9.31	1,859	4,523	7,359	10,194	13,029	15,864	85	293

115°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	13,914	7.41	1,879	8,918	11,753	13,914	13,914	13,914	75	302
65	14,400	7.55	1,908	7,722	10,557	13,392	14,400	14,400	78	308
67	14,904	7.70	1,936	6,518	9,354	12,189	14,904	14,904	80	314
69	15,498	7.89	1,965	5,332	8,168	11,003	13,838	15,498	84	320
71	16,092	8.07	1,993	4,131	6,966	9,802	12,637	15,472	88	327

PK/H24FK with PUG/H24 (Indoor Air = 640 CFM)C
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75°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	22,555	13.40	1,683	12,331	15,124	17,917	20,710	23,504	63	172
65	23,266	13.58	1,714	11,122	13,916	16,709	19,502	22,295	66	174
67	24,598	14.14	1,740	10,136	12,930	15,723	18,516	21,309	68	179
69	24,931	14.01	1,779	8,742	11,536	14,329	17,122	19,915	71	184
71	25,885	14.30	1,810	7,565	10,359	13,152	15,945	18,738	74	191

85°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	21,712	11.29	1,923	11,982	14,776	17,569	20,362	21,712	64	195
65	22,400	11.48	1,952	10,777	13,571	16,364	19,157	21,950	67	199
67	23,088	11.66	1,980	9,555	12,348	15,141	17,934	20,727	69	204
69	24,020	11.90	2,019	8,405	11,198	13,991	16,785	19,578	72	210
71	24,931	12.10	2,061	7,224	10,017	12,811	15,604	18,397	75	216

95°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	20,868	9.83	2,122	11,637	14,430	17,223	20,017	20,868	65	222
65	21,534	10.00	2,152	10,435	13,228	16,022	18,815	21,534	68	227
67	22,200	10.17	2,183	9,216	12,010	14,803	17,596	20,389	70	233
69	23,088	10.38	2,224	8,062	10,855	13,649	16,442	19,235	73	239
71	23,976	10.57	2,268	6,886	9,679	12,472	15,266	18,059	76	245

105°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	18,470	7.94	2,325	10,671	13,464	16,257	18,470	18,470	66	255
65	19,114	8.10	2,360	9,494	12,287	15,080	17,874	19,114	69	260
67	19,758	8.25	2,395	8,300	11,094	13,887	16,680	19,473	71	266
69	20,557	8.43	2,438	7,146	9,940	12,733	15,526	18,319	74	272
71	21,334	8.60	2,482	5,965	8,758	11,551	14,345	17,138	78	279

115°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	17,161	6.84	2,508	10,152	12,945	15,739	17,161	17,161	68	288
65	17,760	6.97	2,548	8,976	11,770	14,563	17,356	17,760	71	293
67	18,382	7.11	2,585	7,793	10,587	13,380	16,173	18,382	73	299
69	19,114	7.28	2,624	6,634	9,427	12,220	15,013	17,807	76	305
71	19,847	7.46	2,661	5,456	8,249	11,042	13,836	16,629	80	312

PK/H30FK with PUG/H30 (Indoor Air = 990 CFM)C
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75°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	30,074	14.73	2,042	17,145	21,492	25,840	30,074	30,074	70	188
65	31,021	14.92	2,079	15,274	19,621	23,969	28,316	31,021	73	190
67	32,797	15.54	2,110	13,690	18,037	22,385	26,732	31,080	76	196
69	33,241	15.40	2,158	11,578	15,925	20,273	24,620	28,968	79	201
71	34,514	15.72	2,195	9,745	14,092	18,440	22,787	27,135	82	208

85°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	28,949	12.41	2,333	16,694	21,042	25,389	28,949	28,949	72	213
65	29,866	12.62	2,367	14,828	19,175	23,523	27,870	29,866	74	217
67	30,784	12.82	2,402	12,938	17,285	21,633	25,980	30,328	77	223
69	32,027	13.08	2,449	11,141	15,489	19,836	24,184	28,532	80	229
71	33,241	13.30	2,500	9,304	13,652	17,999	22,347	26,694	84	236

95°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	27,824	10.81	2,574	16,247	20,594	24,942	27,824	27,824	73	242
65	28,712	11.00	2,611	14,385	18,732	23,080	27,427	28,712	76	248
67	29,600	11.18	2,648	12,500	16,847	21,195	25,542	29,600	78	254
69	30,784	11.41	2,698	10,698	15,045	19,393	23,740	28,088	82	261
71	31,968	11.62	2,751	8,867	13,214	17,562	21,909	26,257	85	268

105°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	24,627	8.73	2,820	14,992	19,339	23,687	24,627	24,627	74	278
65	25,486	8.90	2,862	13,162	17,510	21,858	25,486	25,486	77	284
67	26,344	9.07	2,905	11,311	15,659	20,006	24,354	26,344	79	290
69	27,410	9.27	2,958	9,510	13,858	18,205	22,553	26,900	83	297
71	28,446	9.45	3,011	7,673	12,020	16,368	20,715	25,063	87	305

115°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	22,881	7.52	3,043	14,316	18,664	22,881	22,881	22,881	76	314
65	23,680	7.66	3,090	12,489	16,837	21,184	23,680	23,680	79	320
67	24,509	7.82	3,135	10,651	14,999	19,346	23,694	24,509	81	327
69	25,486	8.01	3,183	8,844	13,191	17,539	21,886	25,486	85	334
71	26,462	8.20	3,228	7,011	11,359	15,706	20,054	24,401	89	341

PK/H36FK with PUG/H36 (Indoor Air = 990 CFM)C
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75°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	34,747	14.60	2,380	18,940	23,207	27,475	31,742	34,747	67	171
65	35,842	14.79	2,423	17,092	21,360	25,627	29,894	34,162	69	173
67	37,894	15.40	2,460	15,587	19,854	24,122	28,389	32,656	72	178
69	38,407	15.27	2,516	13,454	17,721	21,989	26,256	30,523	75	183
71	39,877	15.58	2,559	11,655	15,922	20,189	24,456	28,724	78	190

85°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	33,448	12.30	2,720	18,404	22,671	26,939	31,206	33,448	68	194
65	34,508	12.50	2,760	16,561	20,829	25,096	29,363	33,631	70	197
67	35,568	12.70	2,800	14,692	18,959	23,226	27,494	31,761	73	203
69	37,004	12.96	2,855	12,935	17,202	21,469	25,736	30,004	76	208
71	38,407	13.18	2,914	11,129	15,397	19,664	23,931	28,199	79	215

95°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	32,148	10.71	3,001	17,872	22,140	26,407	30,674	32,148	69	220
65	33,174	10.90	3,044	16,035	20,302	24,569	28,837	33,104	71	226
67	34,200	11.08	3,087	14,171	18,438	22,706	26,973	31,240	74	231
69	35,568	11.31	3,146	12,407	16,674	20,941	25,209	29,476	77	237
71	36,936	11.52	3,207	10,609	14,876	19,143	23,411	27,678	80	244

105°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	28,454	8.65	3,288	16,385	20,652	24,919	28,454	28,454	70	253
65	29,446	8.82	3,337	14,586	18,853	23,120	27,388	29,446	72	258
67	30,438	8.99	3,386	12,761	17,029	21,296	25,563	29,830	75	264
69	31,669	9.18	3,448	10,997	15,265	19,532	23,799	28,067	78	270
71	32,866	9.36	3,510	9,191	13,458	17,726	21,993	26,260	82	277

115°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	26,437	7.45	3,547	15,587	19,854	24,121	26,437	26,437	72	286
65	27,360	7.59	3,603	13,789	18,057	22,324	26,591	27,360	74	291
67	28,318	7.75	3,655	11,981	16,248	20,515	24,783	28,318	77	297
69	29,446	7.94	3,711	10,208	14,476	18,743	23,010	27,277	80	303
71	30,575	8.12	3,763	8,408	12,675	16,942	21,210	25,477	84	310

PL/H18FK with PUG/H18 (Indoor Air = 600 CFM)C
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75°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	18,288	13.85	1,321	10,107	12,522	14,936	17,350	18,288	74	175
65	18,864	14.03	1,345	9,061	11,476	13,890	16,305	18,719	77	177
67	19,944	14.61	1,365	8,190	10,604	13,019	15,433	17,848	80	182
69	20,214	14.48	1,396	6,997	9,412	11,826	14,241	16,655	83	186
71	20,988	14.78	1,420	5,975	8,389	10,804	13,218	15,633	87	194

85°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	17,604	11.66	1,509	9,833	12,247	14,662	17,076	17,604	75	198
65	18,162	11.86	1,531	8,790	11,204	13,619	16,033	18,162	78	202
67	18,720	12.05	1,554	7,732	10,147	12,561	14,976	17,390	81	207
69	19,476	12.29	1,585	6,732	9,146	11,561	13,975	16,390	84	213
71	20,214	12.50	1,617	5,706	8,121	10,535	12,950	15,364	88	219

95°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	16,920	10.16	1,665	9,560	11,975	14,389	16,804	16,920	77	225
65	17,460	10.34	1,689	8,520	10,934	13,349	15,763	17,460	79	230
67	18,000	10.51	1,713	7,466	9,880	12,295	14,709	17,124	82	236
69	18,720	10.72	1,746	6,462	8,876	11,291	13,705	16,120	86	242
71	19,440	10.92	1,780	5,440	7,855	10,269	12,684	15,098	90	249

105°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	14,976	8.21	1,824	8,797	11,211	13,626	14,976	14,976	78	258
65	15,498	8.37	1,852	7,776	10,191	12,605	15,020	15,498	81	264
67	16,020	8.53	1,879	6,743	9,157	11,571	13,986	16,020	83	270
69	16,668	8.71	1,913	5,739	8,154	10,568	12,983	15,397	87	276
71	17,298	8.88	1,948	4,714	7,128	9,543	11,957	14,372	91	283

115°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	13,914	7.07	1,968	8,386	10,801	13,215	13,914	13,914	80	292
65	14,400	7.20	1,999	7,367	9,781	12,196	14,400	14,400	83	298
67	14,904	7.35	2,028	6,341	8,756	11,170	13,585	14,904	85	303
69	15,498	7.53	2,059	5,334	7,748	10,163	12,577	14,992	89	310
71	16,092	7.71	2,088	4,311	6,726	9,140	11,555	13,969	94	317

PL/H24FK with PUG/H24 (Indoor Air = 710 CFM)C
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75°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	24,384	14.81	1,646	13,178	16,107	19,037	21,966	24,384	65	182
65	25,152	15.01	1,676	11,907	14,836	17,765	20,694	23,624	68	184
67	26,592	15.63	1,702	10,874	13,803	16,732	19,662	22,591	70	189
69	26,952	15.49	1,740	9,403	12,332	15,261	18,191	21,120	73	194
71	27,984	15.81	1,770	8,165	11,094	14,023	16,952	19,881	76	202

85°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	23,472	12.48	1,881	12,804	15,733	18,662	21,591	23,472	66	206
65	24,216	12.69	1,909	11,536	14,465	17,394	20,323	23,253	69	210
67	24,960	12.89	1,936	10,249	13,178	16,107	19,036	21,966	71	216
69	25,968	13.15	1,975	9,040	11,969	14,899	17,828	20,757	74	222
71	26,952	13.37	2,015	7,798	10,727	13,656	16,586	19,515	77	229

95°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	22,560	10.87	2,075	12,432	15,362	18,291	21,220	22,560	67	235
65	23,280	11.06	2,105	11,168	14,097	17,026	19,956	22,885	70	240
67	24,000	11.24	2,135	9,885	12,814	15,743	18,673	21,602	72	246
69	24,960	11.47	2,176	8,672	11,601	14,530	17,459	20,388	75	252
71	25,920	11.68	2,218	7,434	10,363	13,293	16,222	19,151	79	259

105°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	19,968	8.78	2,274	11,393	14,322	17,251	19,968	19,968	68	269
65	20,664	8.95	2,308	10,155	13,084	16,014	18,943	20,664	71	275
67	21,360	9.12	2,342	8,900	11,829	14,758	17,687	20,617	73	281
69	22,224	9.32	2,385	7,687	10,616	13,545	16,474	19,404	76	288
71	23,064	9.50	2,427	6,444	9,373	12,302	15,231	18,161	80	295

115°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	18,552	7.56	2,453	10,835	13,764	16,693	18,552	18,552	70	305
65	19,200	7.71	2,492	9,598	12,528	15,457	18,386	19,200	73	310
67	19,872	7.86	2,528	8,354	11,283	14,213	17,142	19,872	75	316
69	20,664	8.05	2,566	7,135	10,064	12,993	15,923	18,852	79	323
71	21,456	8.24	2,603	5,896	8,825	11,755	14,684	17,613	82	330

PL/H30FK with PUG/H30 (Indoor Air = 1,060 CFM)

COOLING MODE

75°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	30,480	14.35	2,124	17,252	21,609	25,966	30,324	30,480	74	194
65	31,440	14.54	2,163	15,371	19,729	24,086	28,443	31,440	77	196
67	33,240	15.14	2,196	13,778	18,135	22,492	26,849	31,206	79	201
69	33,690	15.00	2,245	11,655	16,012	20,369	24,726	29,083	83	207
71	34,980	15.32	2,284	9,811	14,168	18,525	22,883	27,240	86	215

85°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	29,340	12.09	2,427	16,800	21,157	25,514	29,340	29,340	75	219
65	30,270	12.29	2,463	14,924	19,281	23,638	27,995	30,270	78	223
67	31,200	12.49	2,499	13,023	17,381	21,738	26,095	30,452	81	229
69	32,460	12.74	2,548	11,217	15,574	19,931	24,289	28,646	84	236
71	33,690	12.95	2,601	9,369	13,726	18,084	22,441	26,798	88	243

95°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	28,200	10.53	2,678	16,350	20,708	25,065	28,200	28,200	76	250
65	29,100	10.71	2,716	14,479	18,836	23,193	27,550	29,100	79	255
67	30,000	10.89	2,755	12,584	16,941	21,298	25,655	30,000	82	262
69	31,200	11.11	2,807	10,772	15,129	19,486	23,843	28,201	85	268
71	32,400	11.32	2,862	8,930	13,287	17,645	22,002	26,359	89	276

105°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	24,960	8.51	2,934	15,089	19,447	23,804	28,161	32,518	77	286
65	25,830	8.67	2,978	13,251	17,608	21,965	26,323	30,680	80	292
67	26,700	8.83	3,022	11,390	15,747	20,104	24,461	28,819	83	299
69	27,780	9.03	3,077	9,579	13,936	18,294	22,651	27,008	87	306
71	28,830	9.20	3,132	7,732	12,089	16,446	20,803	25,160	91	314

115°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	23,190	7.33	3,165	14,410	18,768	23,125	23,190	23,190	80	324
65	24,000	7.46	3,215	12,574	16,931	21,288	24,000	24,000	82	330
67	24,840	7.62	3,262	10,727	15,084	19,441	23,798	24,840	85	336
69	25,830	7.80	3,312	8,909	13,266	17,623	21,981	25,830	89	343
71	26,820	7.99	3,358	7,067	11,424	15,781	20,138	24,495	93	351

PL/H36FK with PUG/H36 (Indoor Air = 1,060 CFM)C
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75°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	34,747	14.31	2,428	19,266	23,832	28,399	32,966	34,747	67	172
65	35,842	14.50	2,472	17,293	21,860	26,426	30,993	35,560	70	174
67	37,894	15.10	2,510	15,657	20,224	24,790	29,357	33,924	72	179
69	38,407	14.96	2,566	13,402	17,969	22,536	27,102	31,669	75	184
71	39,877	15.28	2,611	11,476	16,042	20,609	25,176	29,743	78	191

85°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	33,448	12.06	2,774	18,737	23,304	27,871	32,437	33,448	68	195
65	34,508	12.26	2,815	16,770	21,336	25,903	30,470	34,508	71	199
67	35,568	12.45	2,856	14,775	19,342	23,908	28,475	33,042	73	204
69	37,004	12.70	2,913	12,890	17,457	22,024	26,591	31,157	76	210
71	38,407	12.92	2,973	10,958	15,525	20,092	24,659	29,225	79	216

95°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	32,148	10.50	3,061	18,213	22,779	27,346	31,913	32,148	69	222
65	33,174	10.68	3,105	16,250	20,817	25,384	29,950	33,174	72	227
67	34,200	10.86	3,149	14,261	18,828	23,395	27,962	32,528	74	233
69	35,568	11.08	3,209	12,370	16,937	21,504	26,070	30,637	77	239
71	36,936	11.29	3,272	10,445	15,012	19,579	24,145	28,712	81	246

105°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	28,454	8.48	3,354	16,744	21,311	25,877	28,454	28,454	70	255
65	29,446	8.65	3,404	14,820	19,386	23,953	28,520	29,446	73	260
67	30,438	8.81	3,454	12,870	17,436	22,003	26,570	30,438	75	266
69	31,669	9.00	3,517	10,979	15,546	20,113	24,679	29,246	79	273
71	32,866	9.18	3,580	9,047	13,613	18,180	22,747	27,314	82	279

115°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	26,437	7.31	3,618	15,955	20,521	25,088	26,437	26,437	72	288
65	27,360	7.45	3,675	14,032	18,599	23,166	27,360	27,360	75	294
67	28,318	7.60	3,728	12,098	16,665	21,232	25,798	28,318	77	300
69	29,446	7.78	3,785	10,199	14,766	19,333	23,900	28,466	81	306
71	30,575	7.97	3,839	8,273	12,839	17,406	21,973	26,540	84	313

PL/H42FK with PUG/H42 (Indoor Air = 1,090 CFM)C
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75°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	41,656	14.18	2,938	22,564	27,468	32,372	37,277	41,656	69	184
65	42,968	14.37	2,991	20,441	25,345	30,250	35,154	40,058	71	186
67	45,428	14.96	3,037	18,738	23,642	28,546	33,451	38,355	74	192
69	46,043	14.83	3,105	16,267	21,171	26,075	30,980	35,884	77	197
71	47,806	15.14	3,158	14,205	19,109	24,013	28,918	33,822	80	204

85°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	40,098	11.95	3,357	21,908	26,813	31,717	36,622	40,098	70	209
65	41,369	12.15	3,406	19,792	24,696	29,600	34,505	39,409	73	213
67	42,640	12.34	3,456	17,642	22,547	27,451	32,356	37,260	75	218
69	44,362	12.59	3,524	15,631	20,535	25,440	30,344	35,249	78	225
71	46,043	12.80	3,597	13,562	18,466	23,371	28,275	33,179	82	231

95°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	38,540	10.41	3,703	21,259	26,163	31,068	35,972	38,540	71	238
65	39,770	10.59	3,757	19,148	24,053	28,957	33,861	38,766	74	243
67	41,000	10.76	3,810	17,006	21,910	26,815	31,719	36,624	76	249
69	42,640	10.98	3,882	14,986	19,890	24,795	29,699	34,604	79	256
71	44,280	11.19	3,959	12,925	17,830	22,734	27,638	32,543	83	263

105°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	34,112	8.41	4,058	19,445	24,349	29,254	34,112	34,112	72	273
65	35,301	8.57	4,119	17,381	22,285	27,190	32,094	35,301	75	278
67	36,490	8.73	4,180	15,286	20,191	25,095	29,999	34,904	77	285
69	37,966	8.92	4,256	13,266	18,170	23,075	27,979	32,883	81	291
71	39,401	9.10	4,332	11,194	16,099	21,003	25,908	30,812	84	299

115°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	31,693	7.24	4,378	18,473	23,378	28,282	31,693	31,693	74	308
65	32,800	7.38	4,446	16,411	21,315	26,220	31,124	32,800	77	314
67	33,948	7.53	4,511	14,335	19,240	24,144	29,049	33,948	79	320
69	35,301	7.71	4,580	12,304	17,209	22,113	27,018	31,922	83	327
71	36,654	7.89	4,644	10,240	15,144	20,048	24,953	29,857	87	334

PC/H24EK with PUG/H24 (Indoor Air = 830 CFM)C
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75°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	24,384	13.67	1,784	13,383	16,557	19,731	22,905	24,384	68	173
65	25,152	13.85	1,816	12,004	15,178	18,352	21,526	24,700	71	175
67	26,592	14.42	1,844	10,856	14,030	17,204	20,378	23,552	74	180
69	26,952	14.29	1,886	9,283	12,457	15,631	18,805	21,979	77	185
71	27,984	14.59	1,918	7,934	11,109	14,283	17,457	20,631	80	192

85°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	23,472	11.51	2,039	13,019	16,193	19,368	22,542	23,472	69	196
65	24,216	11.71	2,069	11,644	14,818	17,993	21,167	24,216	72	200
67	24,960	11.89	2,099	10,250	13,424	16,598	19,773	22,947	75	205
69	25,968	12.13	2,140	8,931	12,106	15,280	18,454	21,628	78	211
71	26,952	12.34	2,184	7,579	10,754	13,928	17,102	20,276	81	217

95°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	22,560	10.03	2,249	12,658	15,833	19,007	22,181	22,560	71	223
65	23,280	10.20	2,282	11,287	14,461	17,635	20,809	23,280	73	228
67	24,000	10.37	2,314	9,897	13,071	16,245	19,420	22,594	76	234
69	24,960	10.59	2,358	8,574	11,748	14,922	18,096	21,271	79	240
71	25,920	10.78	2,404	7,227	10,401	13,575	16,749	19,924	83	247

105°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	19,968	8.10	2,464	11,646	14,820	17,995	19,968	19,968	72	256
65	20,664	8.26	2,501	10,302	13,476	16,650	19,824	20,664	74	262
67	21,360	8.41	2,538	8,939	12,113	15,287	18,461	21,360	77	267
69	22,224	8.60	2,585	7,616	10,791	13,965	17,139	20,313	80	274
71	23,064	8.77	2,631	6,265	9,439	12,613	15,787	18,961	84	281

115°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	18,552	6.98	2,659	11,101	14,276	17,450	18,552	18,552	74	290
65	19,200	7.11	2,700	9,758	12,932	16,106	19,200	19,200	76	295
67	19,872	7.25	2,740	8,406	11,581	14,755	17,929	19,872	79	301
69	20,664	7.43	2,781	7,079	10,253	13,427	16,601	19,775	83	307
71	21,456	7.61	2,821	5,731	8,905	12,079	15,253	18,427	86	314

PC/H30EK with PUG/H30 (Indoor Air = 830 CFM)

COOLING MODE

75°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	29,261	13.83	2,116	16,108	19,812	23,515	27,218	29,261	70	187
65	30,182	14.01	2,155	14,509	18,212	21,915	25,618	29,322	73	189
67	31,910	14.59	2,188	13,198	16,901	20,604	24,307	28,011	76	195
69	32,342	14.46	2,237	11,358	15,061	18,764	22,467	26,171	79	200
71	33,581	14.76	2,276	9,799	13,502	17,205	20,909	24,612	82	207

85°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	28,166	11.65	2,418	15,656	19,360	23,063	26,766	28,166	71	212
65	29,059	11.84	2,454	14,061	17,764	21,468	25,171	28,874	74	216
67	29,952	12.03	2,490	12,443	16,146	19,850	23,553	27,256	77	222
69	31,162	12.27	2,539	10,920	14,623	18,326	22,030	25,733	80	228
71	32,342	12.48	2,591	9,356	13,060	16,763	20,466	24,169	83	235

95°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	27,072	10.15	2,668	15,208	18,911	22,615	26,318	27,072	72	241
65	27,936	10.32	2,707	13,617	17,321	21,024	24,727	27,936	75	247
67	28,800	10.49	2,745	12,004	15,708	19,411	23,114	26,817	78	253
69	29,952	10.71	2,797	10,475	14,178	17,882	21,585	25,288	81	260
71	31,104	10.91	2,852	8,918	12,621	16,324	20,027	23,730	85	267

105°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	23,962	8.20	2,923	13,955	17,658	21,361	23,962	23,962	74	277
65	24,797	8.36	2,967	12,396	16,099	19,802	23,506	24,797	76	283
67	25,632	8.51	3,011	10,816	14,519	18,222	21,926	25,629	79	289
69	26,669	8.70	3,066	9,287	12,990	16,694	20,397	24,100	83	296
71	27,677	8.87	3,121	7,723	11,426	15,129	18,832	22,535	86	303

115°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	22,262	7.06	3,154	13,282	16,985	20,688	22,262	22,262	76	313
65	23,040	7.19	3,203	11,725	15,428	19,131	22,834	23,040	78	319
67	23,846	7.34	3,250	10,158	13,861	17,565	21,268	23,846	81	325
69	24,797	7.52	3,299	8,622	12,325	16,028	19,732	23,435	85	332
71	25,747	7.69	3,346	7,062	10,766	14,469	18,172	21,875	89	340

PC/H36EK with PUG/H36 (Indoor Air = 1,100 CFM)C
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75°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	36,170	14.95	2,419	20,266	25,168	30,070	34,972	36,170	69	174
65	37,309	15.15	2,463	18,153	23,055	27,957	32,859	37,309	72	176
67	39,445	15.78	2,500	16,392	21,294	26,195	31,097	35,999	75	181
69	39,979	15.64	2,557	13,986	18,887	23,789	28,691	33,593	78	186
71	41,510	15.96	2,601	11,921	16,823	21,725	26,627	31,529	81	193

85°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	34,817	12.60	2,764	19,716	24,617	29,519	34,421	34,817	70	198
65	35,920	12.81	2,804	17,608	22,510	27,412	32,314	35,920	73	201
67	37,024	13.01	2,845	15,473	20,375	25,277	30,178	35,080	76	206
69	38,519	13.27	2,902	13,452	18,354	23,256	28,158	33,060	79	212
71	39,979	13.50	2,961	11,382	16,284	21,186	26,088	30,990	82	219

95°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	33,464	10.97	3,049	19,169	24,071	28,973	33,464	33,464	72	225
65	34,532	11.16	3,093	17,067	21,969	26,871	31,773	34,532	74	230
67	35,600	11.35	3,137	14,938	19,840	24,742	29,644	34,546	77	235
69	37,024	11.58	3,197	12,911	17,813	22,714	27,616	32,518	80	242
71	38,448	11.80	3,259	10,848	15,750	20,652	25,554	30,455	84	248

105°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	29,619	8.87	3,341	17,639	22,541	27,443	29,619	29,619	73	258
65	30,652	9.04	3,391	15,577	20,479	25,381	30,283	30,652	75	263
67	31,684	9.21	3,441	13,489	18,391	23,292	28,194	31,684	78	269
69	32,966	9.41	3,504	11,462	16,364	21,266	26,168	31,069	81	275
71	34,212	9.59	3,567	9,391	14,293	19,195	24,097	28,999	85	282

115°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	27,519	7.63	3,604	16,817	21,719	26,621	27,519	27,519	75	291
65	28,480	7.78	3,661	14,757	19,659	24,561	28,480	28,480	77	297
67	29,477	7.94	3,714	12,685	17,587	22,489	27,391	29,477	80	303
69	30,652	8.13	3,771	10,650	15,552	20,453	25,355	30,257	84	309
71	31,826	8.32	3,824	8,585	13,487	18,389	23,291	28,193	88	316

PC/H42EK with PUG/H42 (Indoor Air = 1,100 CFM)C
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75°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	42,672	15.02	2,840	23,738	29,186	34,635	40,083	42,672	70	188
65	44,016	15.22	2,892	21,395	26,843	32,292	37,740	44,016	73	190
67	46,536	15.85	2,936	19,483	24,932	30,380	35,829	41,277	75	196
69	47,166	15.71	3,002	16,782	22,231	27,679	33,128	38,576	79	201
71	48,972	16.04	3,054	14,502	19,951	25,399	30,848	36,296	82	208

85°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	41,076	12.66	3,246	23,064	28,512	33,961	39,409	41,076	71	213
65	42,378	12.87	3,293	20,727	26,176	31,624	37,073	42,378	74	217
67	43,680	13.07	3,341	18,357	23,805	29,254	34,702	40,151	77	223
69	45,444	13.34	3,408	16,129	21,577	27,026	32,474	37,923	80	229
71	47,166	13.56	3,478	13,841	19,290	24,738	30,187	35,635	83	236

95°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	39,480	11.03	3,581	22,396	27,845	33,293	38,742	39,480	72	242
65	40,740	11.22	3,632	20,066	25,514	30,963	36,411	40,740	75	248
67	42,000	11.40	3,684	17,703	23,151	28,600	34,048	39,497	78	254
69	43,680	11.64	3,754	15,466	20,914	26,363	31,811	37,260	81	261
71	45,360	11.85	3,828	13,186	18,635	24,083	29,532	34,980	85	268

105°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	34,944	8.91	3,923	20,532	25,981	31,429	34,944	34,944	74	278
65	36,162	9.08	3,982	18,250	23,698	29,146	34,595	36,162	76	284
67	37,380	9.25	4,041	15,935	21,384	26,832	32,281	37,380	79	290
69	38,892	9.45	4,115	13,698	19,146	24,595	30,043	35,492	82	297
71	40,362	9.64	4,189	11,408	16,856	22,304	27,753	33,201	86	304

115°F Outdoor Air Temperature										
Indoor Wet Bulb (°F)	Cooling Capacity (Btu/Hr)	EER	Total Power (Watts)	Net Sensible Cooling Capacity (Btu/Hr)					Pressures (psig)	
				Indoor Dry Bulb (°F)						
				70	75	80	85	90	Suction	Disch.
63	32,466	7.67	4,233	19,534	24,983	30,431	32,466	32,466	76	314
65	33,600	7.82	4,299	17,253	22,702	28,150	33,600	33,600	78	320
67	34,776	7.97	4,362	14,959	20,407	25,856	31,304	34,776	81	327
69	36,162	8.17	4,428	12,710	18,158	23,607	29,055	34,504	85	333
71	37,548	8.36	4,491	10,426	15,875	21,323	26,772	32,220	89	341

HEATING MODE

PKH18FK/PUGH18

INDOOR AIR 70°

Outdoor Air (deg °F)	Heating Capacity (BTUH)	Air Flow (CFM)	Compressor		
			Current (Amps)	Pressure (psig)	
				Disch.	Suction
65	23,529	710	8.8	299	76
60	22,197		8.3	282	72
55	20,864		7.8	265	68
50	19,532		7.3	249	63
47	18,800		7.0	237	61
45	18,200		6.8	232	59
40	16,700		6.5	218	53
35	15,200		6.1	205	48
30	14,089		5.8	196	44
25	12,978		5.5	188	40
20	11,867		5.2	180	36
17	11,200		5.1	176	33

PKH24FK/PUGH24

INDOOR AIR 70°

Outdoor Air (deg °F)	Heating Capacity (BTUH)	Air Flow (CFM)	Compressor		
			Current (Amps)	Pressure (psig)	
				Disch.	Suction
65	30,165	710	11.8	329	74
60	28,457		11.2	310	70
55	26,749		10.5	291	66
50	25,041		9.8	273	62
47	24,000		9.3	260	60
45	23,333		9.2	254	58
40	21,667		8.8	241	52
35	20,000		8.4	227	47
30	18,556		8.1	218	43
25	17,111		7.8	210	40
20	15,667		7.5	201	36
17	14,800		7.3	196	34

PKH30FK/PUGH30

INDOOR AIR 70°

Outdoor Air (deg °F)	Heating Capacity (BTUH)	Air Flow (CFM)	Compressor		
			Current (Amps)	Pressure (psig)	
				Disch.	Suction
65	36,629	990	12.6	297	69
60	34,555		11.9	280	65
55	32,481		11.2	263	61
50	30,407		10.5	246	57
47	29,200		9.9	234	55
45	28,333		9.8	229	53
40	26,167		9.5	218	49
35	24,000		9.2	206	44
30	22,333		9.0	199	40
25	20,667		8.7	191	36
20	19,000		8.5	183	32
17	18,000		8.3	178	30

PKH36FK/PUGH36

INDOOR AIR 70°

Outdoor Air (deg °F)	Heating Capacity (BTUH)	Air Flow (CFM)	Compressor		
			Current (Amps)	Pressure (psig)	
				Disch.	Suction
65	43,567	990	15.9	324	75
60	41,101		15.0	306	71
55	38,634		14.1	287	67
50	36,167		13.2	269	62
47	34,600		12.4	255	60
45	33,700		12.3	251	58
40	31,450		11.9	239	53
35	29,200		11.6	228	49
30	27,200		11.3	228	44
25	25,200		10.9	228	40
20	23,200		10.6	228	36
17	22,000		10.4	228	33

HEATING MODE

PLH18FK/PUGH18

INDOOR AIR 70°

Outdoor Air (deg °F)	Heating Capacity (BTUH)	Air Flow (CFM)	Compressor		
			Current (Amps)	Pressure (psig)	
				Disch.	Suction
65	21,935	600	7.3	284	75
60	20,693		6.9	268	71
55	19,451		6.5	252	67
50	18,209		6.1	236	63
47	17,400		5.7	224	60
45	16,967		5.7	220	58
40	15,883		5.5	211	54
35	14,800		5.4	202	49
30	13,633		5.3	195	45
25	12,467		5.1	187	40
20	11,300		5.0	179	36
17	10,600		4.9	174	33

PLH24FK/PUGH24

INDOOR AIR 70°

Outdoor Air (deg °F)	Heating Capacity (BTUH)	Air Flow (CFM)	Compressor		
			Current (Amps)	Pressure (psig)	
				Disch.	Suction
65	29,045	640	11.8	337	75
60	27,400		11.2	318	71
55	25,756		10.5	298	66
50	24,111		9.8	279	62
47	23,200		9.3	266	60
45	22,467		9.2	260	58
40	20,633		8.8	246	53
35	18,800		8.5	232	47
30	17,633		8.1	222	43
25	16,467		7.8	212	40
20	15,300		7.5	202	36
17	14,600		7.3	196	34

PLH30FK/PUGH30

INDOOR AIR 70°

Outdoor Air (deg °F)	Heating Capacity (BTUH)	Air Flow (CFM)	Compressor		
			Current (Amps)	Pressure (psig)	
				Disch.	Suction
65	35,940	1,060	11.9	272	72
60	33,905		11.3	257	68
55	31,870		10.6	241	64
50	29,835		9.9	226	60
47	28,600		9.3	214	58
45	27,800		9.2	210	56
40	25,800		9.1	201	50
35	23,800		8.9	193	45
30	22,189		8.7	186	41
25	20,578		8.6	180	37
20	18,967		8.4	174	33
17	18,000		8.3	170	31

PLH36FK/PUGH36

INDOOR AIR 70°

Outdoor Air (deg °F)	Heating Capacity (BTUH)	Air Flow (CFM)	Compressor		
			Current (Amps)	Pressure (psig)	
				Disch.	Suction
65	41,801	1,060	15.0	295	76
60	39,434		14.2	279	72
55	37,067		13.3	262	67
50	34,700		12.5	245	63
47	33,000		11.7	232	61
45	32,333		11.6	228	59
40	30,667		11.4	220	53
35	29,000		11.3	211	48
30	27,056		11.1	203	44
25	25,111		11.0	195	40
20	23,167		10.9	188	35
17	22,000		10.8	183	33

PLH42FK/PUGH42

INDOOR AIR 70°

Outdoor Air (deg °F)	Heating Capacity (BTUH)	Air Flow (CFM)	Compressor		
			Current (Amps)	Pressure (psig)	
				Disch.	Suction
65	48,911	1,090	18.3	308	67
60	46,142		17.2	290	64
55	43,372		16.2	273	60
50	40,603		15.2	255	56
47	39,000		14.4	243	54
45	37,833		14.1	238	52
40	34,917		13.5	226	47
35	32,000		12.8	215	42
30	29,611		12.6	206	38
25	27,222		12.4	197	33
20	24,833		12.2	188	29
17	23,400		12.1	183	26

HEATING MODE

PCH24EK/PUGH24

INDOOR AIR 70°

Outdoor Air (deg °F)	Heating Capacity (BTUH)	Air Flow (CFM)	Compressor		
			Current (Amps)	Pressure (psig)	
				Disch.	Suction
65	29,045	920	10.3	275	73
60	27,400		9.7	260	69
55	25,756		9.1	244	65
50	24,111		8.5	229	61
47	23,200		8.1	218	59
45	22,467		8.0	213	57
40	20,633		7.6	202	51
35	18,800		7.3	191	46
30	17,633		7.0	185	42
25	16,467		6.7	179	38
20	15,300		6.4	174	34
17	14,600		6.2	171	32

PCH30EK/PUGH30

INDOOR AIR 70°

Outdoor Air (deg °F)	Heating Capacity (BTUH)	Air Flow (CFM)	Compressor		
			Current (Amps)	Pressure (psig)	
				Disch.	Suction
65	32,579	920	12.1	287	70
60	30,734		11.4	271	66
55	28,889		10.7	254	62
50	27,045		10.0	238	58
47	26,000		9.4	226	56
45	25,200		9.3	222	54
40	23,200		9.2	211	50
35	21,200		9.0	201	45
30	19,756		8.8	194	41
25	18,311		8.7	187	37
20	16,867		8.5	180	33
17	16,000		8.4	176	31

PCH36EK/PUGH36

INDOOR AIR 70°

Outdoor Air (deg °F)	Heating Capacity (BTUH)	Air Flow (CFM)	Compressor		
			Current (Amps)	Pressure (psig)	
				Disch.	Suction
65	41,801	1,270	13.5	267	73
60	39,434		12.7	252	69
55	37,067		12.0	237	64
50	34,700		11.2	221	60
47	33,000		10.5	209	58
45	32,333		10.4	206	56
40	30,667		10.3	201	52
35	29,000		10.1	196	49
30	27,056		9.9	189	44
25	25,111		9.8	182	40
20	23,167		9.6	176	36
17	22,000		9.5	172	33

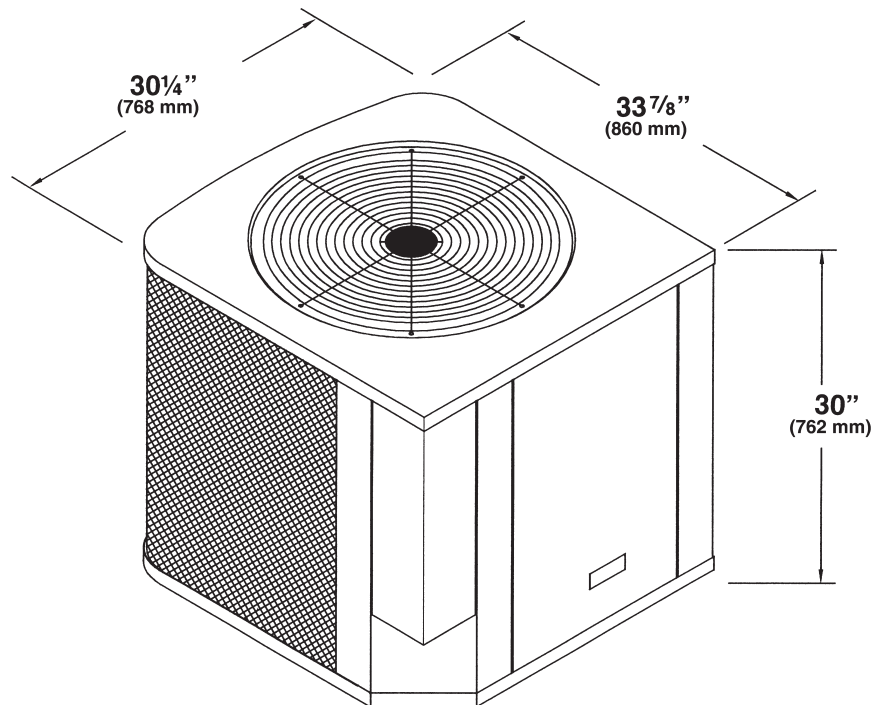
PCH42EK/PUGH42

INDOOR AIR 70°

Outdoor Air (deg °F)	Heating Capacity (BTUH)	Air Flow (CFM)	Compressor		
			Current (Amps)	Pressure (psig)	
				Disch.	Suction
65	51,712	1,270	17.5	299	69
60	48,784		16.5	282	65
55	45,856		15.5	265	61
50	42,928		14.5	248	57
47	41,000		13.6	234	55
45	40,000		13.5	231	53
40	37,500		13.4	225	50
35	35,000		13.2	218	46
30	32,722		13.0	210	42
25	30,444		12.7	202	38
20	28,167		12.5	194	34
17	26,800		12.3	190	32

5

DIMENSIONS & CLEARANCES



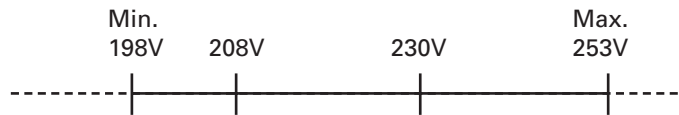
Required clearances of 18 inches on all sides and above the unit. Comply with all local codes as necessary.

6

OPERATING RANGE

1) POWER SUPPLY

1 Phase 60Hz 208/230V
Guaranteed voltage range



2) OPERATING TEMPERATURE RANGE

Function	Air intake temperature Condition	Indoor		Outdoor	
		DB(°F)	WB(°F)	DB(°F)	WB(°F)
Cooling	Standard temperature	80	67	95	75
	Maximum temperature	95	71	115	—
	Minimum temperature	67	57	25	—
	Maximum humidity	80	75	80	75
Heating	Standard temperature	70	60	47	43
	Maximum temperature	70	60	17	15
	Minimum temperature	80	67	75	65

REFRIGERANT CHARGE (R-22 (oz)) ADJUSTMENT FOR OPTIMUM PERFORMANCE

1) Copeland Scroll “KC” Compressors

Model	ARI rating pt.	Subtract Charge			Factory Charge	Add Charge	
	25 ft	25 ft	50 ft	75 ft	100 ft	125 ft	150 ft
PUG/H18	101	-10	-7	-4	111	3	7
PUG/H24	98	-10	-7	-4	108	3	7
PUG/H30	100	-25	-17	-9	125	8	8
PUG/H36	105	-25	-17	-9	130	8	8
PUG/H42	100	-25	-17	-9	125	8	8

2) Copeland Scroll “K4/K3” Compressors

Model	ARI rating pt.	Subtract Charge			Factory Charge	Add Charge	
	25 ft	25 ft	50 ft	75 ft	100 ft	125 ft	150 ft
PUG/H18	80	-10	-7	-4	90	3	7
PUG/H24	88	-10	-7	-4	98	3	7
PUG/H30	96	-25	-17	-9	121	8	8
PUG/H36	90	-25	-17	-9	115	8	8
PUG/H42	102	-25	-17	-9	127	8	8

Note: See Performance Data for Pressure/Temperature Charging.

Note: It is not necessary to remove refrigerant for linesets less than 100 feet; however, doing so will provide some improvement of system efficiency.

8

CAPACITY CORRECTION FACTORS FOR VARIOUS PIPE LENGTHS

1) COOLING CAPACITY

MODEL	Refrigerant piping length (one way)								
	25ft	40ft	55ft	70ft	85ft	100ft	115ft	130ft	150ft
PUG/H18	1.0	0.992	0.983	0.978	0.966	0.959	0.950	0.945	—
PUG/H24	1.0	0.981	0.968	0.952	0.940	0.925	0.913	0.900	0.886
PUG/H30	1.0	0.981	0.968	0.952	0.940	0.925	0.913	0.900	0.886
PUG/H36	1.0	0.981	0.968	0.952	0.940	0.925	0.913	0.900	0.886
PUG/H42	1.0	0.975	0.955	0.935	0.918	0.900	0.884	0.869	0.855

2) HEATING CAPACITY

Models	Refrigerant piping length (one way)		
	Less than 100ft	100~130ft	130~150ft
PUG/H18	1.00	0.995	0.990
PUG/H24	1.00	0.995	0.990
PUG/H30	1.00	0.995	0.990
PUG/H36	1.00	0.995	0.990
PUG/H42	1.00	0.995	0.990

1. COOLING/HEATING OPERATION

Outdoor unit operation is activated by delivery of a 12VDC signal from the indoor unit. Cooling only units have 2 low voltage control wires from the indoor unit to the outdoor unit. Heat pump units have 3 low voltage control wires from the indoor to the outdoor unit. The function of these wires are:

- **Wire #1:** Common
- **Wire #2:** Initiates operation of the compressor and outdoor fan when 12VDC is supplied from the indoor unit.
- **Wire #3:** Initiates operation of the reversing valve for heating operation. 12VDC is present constantly when the indoor unit mode is set to heat.

2. OUTDOOR ABNORMALITY DETECTION BY INDOOR UNIT (P8 FAULT CODE)

- A. The indoor unit constantly monitors the difference between return air temperature and indoor coil temperature. During a call for cooling, if after several minutes of operation (approx 10 minutes) the indoor coil does not become at least 9 degrees colder than the return air temperature, the indoor circuit board will cause the system to shut down. At this point the problem code "P8" will be displayed at the indoor unit remote controller and the 12VDC signal to the outdoor unit will be stopped.
 - B. The "P8" code does not necessarily mean that the failure is caused by the outdoor unit. It simply means that the indoor coil did not become colder than the return air during a call for cooling.
 - C. During the heat mode the indoor coil temperature must get at least 9 degrees warmer than the return air temperature. If this temperature difference is not achieved the unit will shut down as indicated above.
 - D. **If a "P8" code is displayed:**
 - i. Turn the indoor remote controller off and back on to reset it.
 - ii. Set the remote controller to a "call" for cooling.
 - iii. At the indoor unit 12VDC control terminals check to see if 12VDC is present on the #1 and #2 wires.
 1. You may encounter a 3 minute delay in cooling or a 6 minute delay in heating before the 12VDC signal is generated.
 - iv. If 12VDC is present and the outdoor unit is not running the problem is not caused by the indoor unit and the following should be checked:
 1. Check the 12VDC terminals at the outdoor unit for 12VDC. The polarity must be the same as that of the indoor meaning wire one at the indoor must be on the same terminal at the outdoor. If they are reversed no harm will be done but the unit will not operate.
 - a. If no 12VDC signal is present when 12VDC is available at the indoor unit check for a break/open in the control wire.
 - b. If 12VDC is present insure polarity is correct. If polarity is correct and a 12VDC signal is present check the LED indicators on the outdoor board.
 - i. Is the "Status" LED lite constantly? If so the outdoor board is in time delay, wait for it to expire (make sure the 12VDC signal is still available from the indoor unit).
 - ii. Is the "#2" LED lit? This indicates that the board is receiving 12VDC from the indoor unit.
- NO LED:** Recheck for 12VDC on the control wires, check for correct polarity and check the wires from the terminal block to the board.
- LIT:** The board should be outputting 24 VAC to the compressor contactor and line voltage to the fan (unless in low ambient control). Is the compressor/fan operating?
- YES:** System is OK
- NO:** Is the "Status LED" flashing?
- NO:** Bad outdoor board
- YES:** 2 Flash sequence indicates that the High Pressure Switch is open. 4 Flash sequence indicates that the Low Pressure Safety Switch is open

3. OUTDOOR BOARD FUNCTIONALITY

- A. **High Pressure Safety Switch (HPSS).** Opens at approx 420 PSIG and closes at approx 320 PSIG. There is no bypass on this switch. When the switch opens it immediately stops the compressor and outdoor fan. When it closes the system can restart providing the indoor unit has not entered a P8 fault code. If the switch opens 3 times within a one hour period the outdoor unit operation is "locked out" and must be serviced. The lockout is reset by turning line voltage off and back on to the outdoor unit. The indoor unit must also be reset to clear the fault code by turning the remote controller off and back on.
- B. **Low Pressure Safety Switch (LPS).** Depending upon the generation of circuit board this switch will open at 7 PSI or 15 PSI and close at 21 PSI or 30 PSI respectively. The switch is bypassed during the first 3 minutes of cooling operation and first 10 minutes of heating operation. It is bypassed constantly throughout the defrost cycle plus 10 minutes after completion of defrost. If the switch opens after the specified time the compressor is then stopped. Once pressure rises to the "cut in" point the compressor may restart providing the delay has expired and the indoor unit is not in a P8 fault. If the switch opens 3 times within a one hour period the outdoor unit will be "locked out" and must be serviced. The circuit can be reset by turning off and then resetting line voltage to the outdoor unit.
- C. **Low Ambient Temperature Switch (LATS).** The purpose of this switch is to allow cooling operation in low outdoor temperatures. It functions only during the cooling mode and is ignored in the heat mode. Depending upon the production period one of two methods have been utilized.
 1. The first method uses an outdoor temperature thermostat to cycle the outdoor fan on or off to maintain head pressure. The switch is located in the electrical compartment of the unit. When outdoor temperature drops to approx 31 (+/-2) degrees the switch opens and the fan operation is stopped. When the temperature rises to approx 37 degrees the switch closes and the fan operation is restored.
 2. The second and newer method uses a high side pressure switch to cycle the fan. When pressure drops to 150 PSI (+/-15) the switch opens and the fan stops. When pressure rises to 225 the switch closes and the fan restarts. This method provides a more reliable method of low ambient cooling than that of the temperature switch. To convert a "temperature switch" unit to a "pressure switch" unit, order Part Number GPN490001.
 3. During low ambient cooling operation the indoor unit may initiate an "air defrost" of the indoor coil once during every 16 minutes of continuous cooling operation. This insures that the coil has adequate airflow and should not be considered as a fault.
- D. **Defrost Sensor Switch (DFT).** The defrost switch is set to close at 35 degrees (+/-7) and opens at 65 degrees (+/-5). The board is factory set with a 60 minute minimum defrost interval and can be reset to 30 or 90 minutes by moving a jumper. When the defrost sensor closes, the defrost timer begins timing out the compressor run time. Once the timer "times out" (30/60/90 minutes) and the switch is closed the reversing valve is shifted and defrost is accomplished. If the room temperature is satisfied during a defrost cycle, the defrosting will continue until the termination temperature is achieved or 10 minutes has elapsed.
- E. **Crankcase Heater (CCH).** A 40 watt crankcase heater is installed into all PUG and PUGH condensing units to provide additional protection to the compressor when operating under low ambient conditions. When line voltage is first turned onto the outdoor unit the crankcase heater will be energized. The CCH will continue to be energized until the first call for compressor operation. The CCH never runs during compressor operation. Thirty minutes after the compressor turns off the CCH will again be energized. It will then cycle on for 30 minutes and off for 30 minutes repeatedly until the compressor is again turned on.
- F. **Reversing Valve (RXV).** Fails to cooling and energizes when the system is set to the heat mode. Heat mode operation is initiated when the indoor unit provides a 12VDC signal on the #3 low voltage control wire. The reversing valve is then energized with 24VAC and remains energized continuously throughout the heating mode (not just during compressor operation), with the exception of defrost cycles. When the outdoor unit enters defrost the RXV will shift on the fly.
- G. **Compressor Contactor (CC).** The compressor contactor is energized with 24VAC when a 12 VDC is input to the outdoor unit on control wires 1 and 2 from the indoor unit. This 12 VDC signal is generated and sent from the indoor unit on all calls for compressor operation regardless of heating or cooling.
- H. **Outdoor Fan Motor (ODF).** The outdoor fan motor typically operates at the same time as the compressor. There are however some exceptions to this. The fan may be off while the compressor is operating during low ambient cooling conditions. This is controlled by the LATS as identified above. The fan is also cycled off during defrosting operations to speed elimination of frost from the outdoor coil.
- I. **Transformer Input (24VAC).** The secondary side of the transformer inputs 24 volts AC to the circuit board on the "24VAC" terminals. This voltage operates the internal circuits of the board and also provides voltage to the reversing valve and compressor contactor when appropriate. The primary side of the transformer picks up line voltage from terminals marked "L1" and "L2" on the board.

- J. **Line Voltage.** Line voltage is input and output from the circuit board on the terminals marked "L1" and "L2". There are four terminals marked "L1", the purpose of each is as follows. One is "L1" input to the board while the remaining three are outputs to one side of the Transformer, Crankcase Heater and the Outdoor Fan Motor. There are two terminals marked "L2". One is "L2" line voltage input to the board while the other is output to the Transformer.
- K. **Anti-Recycle Delay Timer.** The outdoor board provides an "anti-recycle delay" which is 3 minutes in the cooling mode and 6 minutes in the heating mode.
- L. **Time Shortening.** By moving the defrost jumper to the "test" position time shortening of "timing sequences" can be accomplished. Timeouts are reduced as follows when the jumper is in the test position:
1. Anti-recycle 36 seconds
 2. CCH Cycles 24 seconds
 3. Defrost Interval 24 seconds
 4. Compressor Run 1 second
 5. Low Pressure bypass 12 seconds
- M. **Last Fault Memory Recall.** The outdoor board (TDICM3315) maintains a memory of the "last fault" which can be recalled by moving the defrost jumper to the "test" position and viewing the "status" LED display. Only one fault can be memorized. The fault can be cleared by turning off and resetting line voltage to the outdoor unit.
- N. **LED Function.** The board has four LED's which provide the following function:

1. **"STATUS" LED** indicates normal operation or faults as follows:

LED FLASHES	INDICATION OF CONDITION
Off	Normal Operation, no fault, no "call"
Constant On LED	Anti-recycle delay active. If the HPSS or LPS opens the anti-recycle will activate for 3 to 6 minutes before the fault can be displayed.
1 Flash Sequence	Defrost Sensor Closed
2 Flash Sequence	High Pressure Safety Switch Open
3 Flash Sequence	LATS Open
4 Flash Sequence	Low Pressure Safety Switch Open

2. **"CCH" LED** indicates that the Crankcase heater is energized.
 3. **"2" LED** indicates that the indoor unit is calling for compressor operation, 12VDC is present on control wire #2.
 4. **"3" LED** indicates that the indoor unit is set to the Heating Mode. The reversing valve will be energized (except during defrost). 12VDC is present on control wire #3.
- O. **Serial Number.** Consists of 7 digits which have the following meaning:

Serial Number: 0 161 253

→ Consecutive Unit Number
 → Julian Calendar Day
 → Year (0=2000, 1=2001..)

- P. **Production Code.** Identifies the exact day of manufacturing. Read from left to right using BLACKHORSE acronym.
- Q. **Circuit Board Manufacture Numbers.** To date two versions of outdoor circuit boards have been manufactured.
1. T7I CM2 315: Original board. Does not memorize last fault code.
 2. T7I CM3 315: Memorizes last fault. Provides improved protection for 12VDC circuit from EMC.

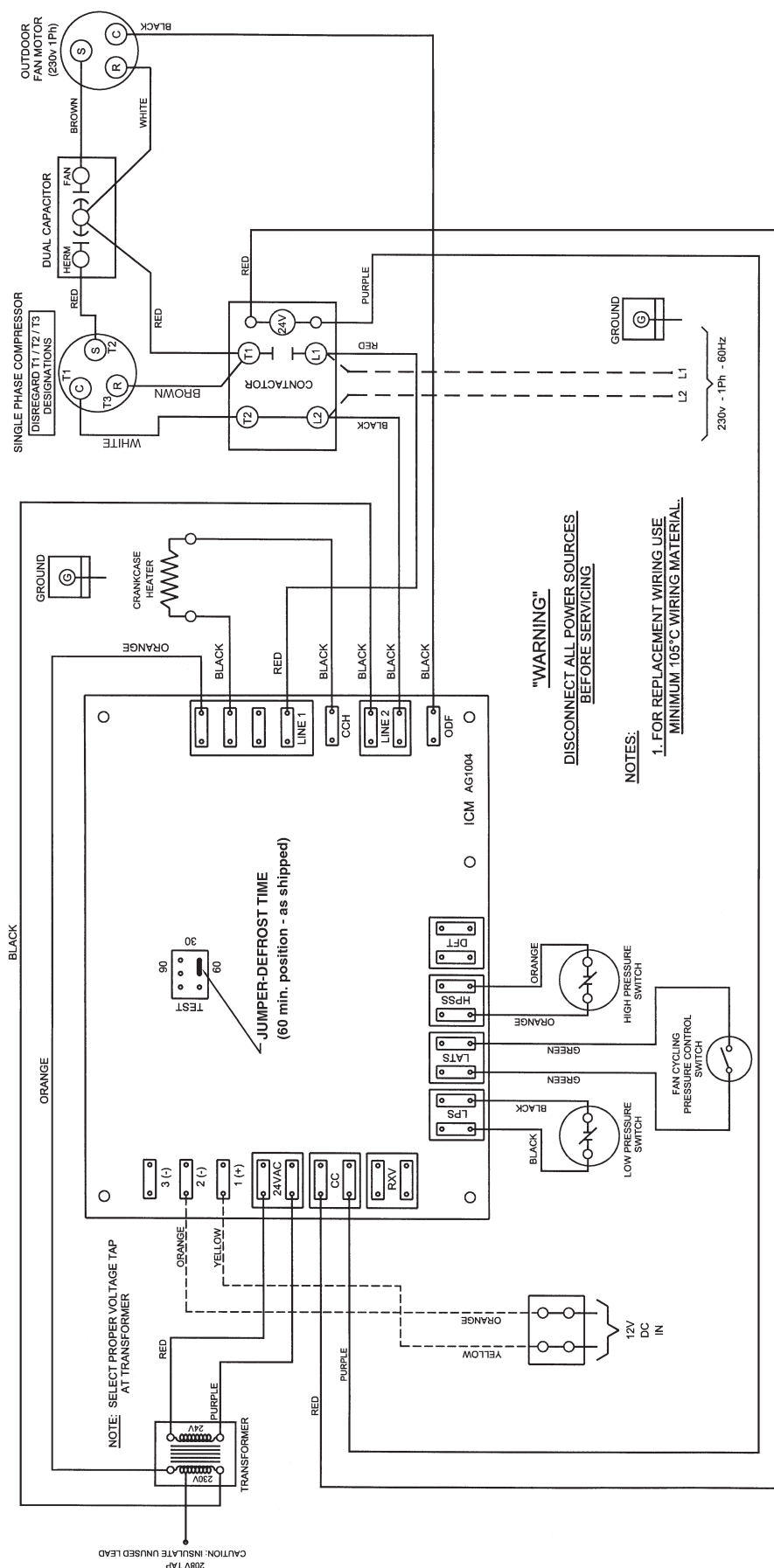
LEGEND

ODF - Outdoor Fan
 CCH - Crank Case Heater
 DFT - Defrost Sensor
 HPSS - High Pressure Safety Switch
 LATS - Low Ambient Temperature Switch (Outdoor Fan Control)
 LPS - Low Pressure Switch
 LRXV - Reversing Valve (24 Volt Coil Hookup)
 CC - Contactor Coil
 24VAC - 24 VAC (from Transformer)
 1(+) - Positive DC Voltage (from Indoor Unit)
 2(-) - Negative 12VDC (from Indoor Unit; Compressor/Fan)

Note: To view the “last fault”, move the defrost jumper to the “test” position. The status indicator will flash the last fault that occurred. Turning off the power supply clears this fault.

LEGEND:

= FACTORY WIRING (12v DC)
 = FIELD WIRING LINE VOLTAGE
 = FACTORY WIRING LOW VOLTAGE
 = FACTORY WIRING LINE VOLTAGE



PUG

208/230V - 3ph - 60Hz

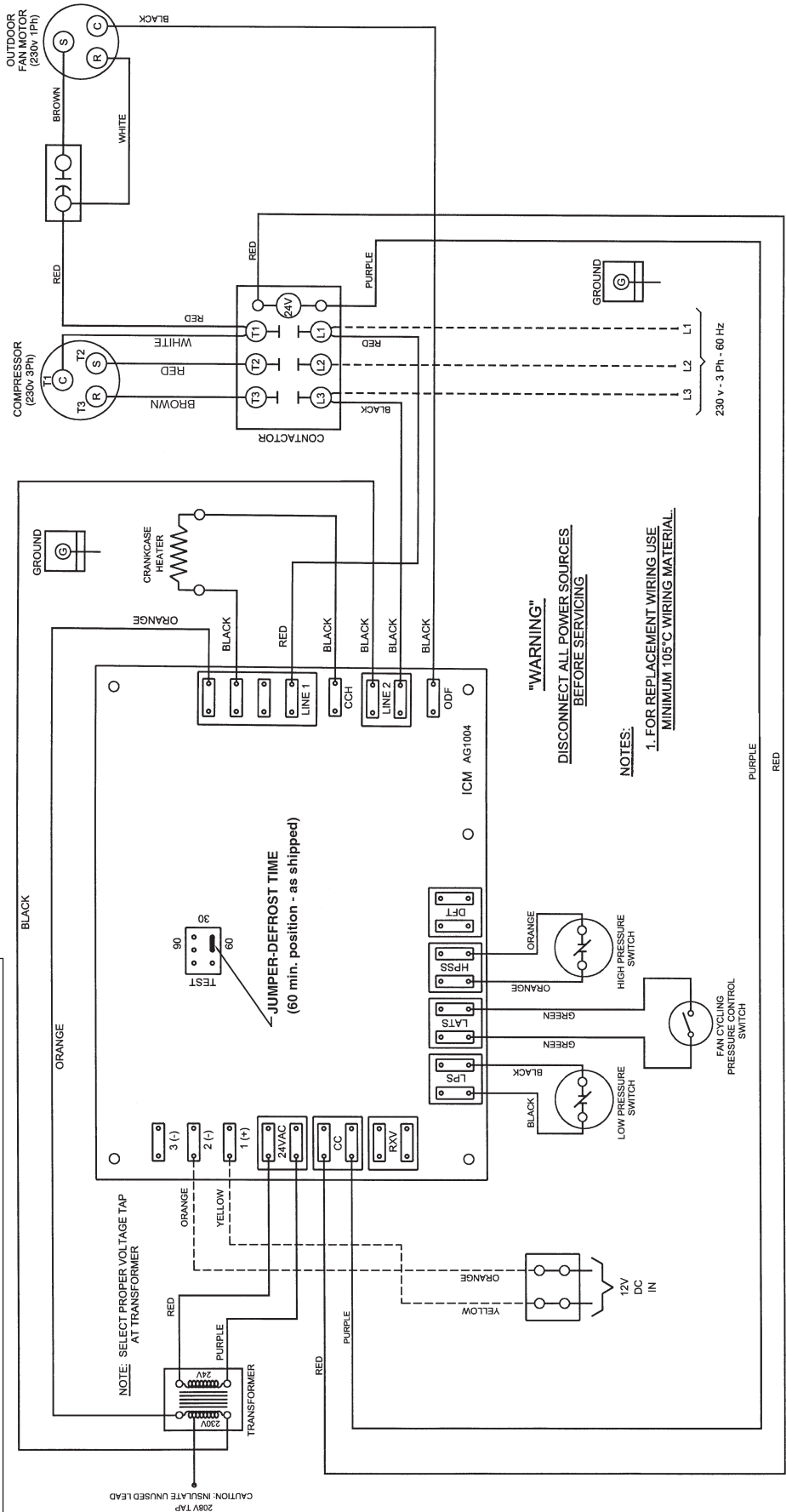
LEGEND

ODF - Outdoor Fan
CCH - Crank Case Heater
DFT - Defrost Sensor
HPSS - High Pressure Safety Switch
LATS - Low Ambient Temperature Switch (Outdoor Fan Control)
LPS - Low Pressure Switch
RXV - Reversing Valve (24 Volt Coil Hookup)
CC - Contactor Coil
24VAC - 24 VAC (from Transformer)
1(+) - Positive DC Voltage (from Indoor Unit)
2(-) - Negative 12VDC (from Indoor Unit, Compressor/Fan Call)

Note: To view the "last fault", move the defrost jumper to the "test" position. The status indicator will flash the last fault that occurred. Turning off the power supply clears this fault.

LEGEND:

----	=	FACTORY WIRING (12v DC)
----	=	FIELD WIRING LINE VOLTAGE
----	=	FACTORY WIRING LOW VOLTAGE
----	=	FACTORY WIRING LINE VOLTAGE



PUG

460v - 3ph - 60Hz

LEGEND

ODF - Outdoor Fan
CCH - Crank Case Heater
DFT - Defrost Sensor
HPSS - High Pressure Safety Switch
LATS - Low Ambient Temperature Switch (Outdoor Fan Control)
LPS - Low Pressure Switch
RXV - Reversing Valve (24 Volt Coil Hookup)
CC - Contactor Coil
24VAC - 24 VAC (from Transformer)
1(+) - Positive DC Voltage (from Indoor Unit)
2(-) - Negative 12VDC (from Indoor Unit, Compressor/Fan Call)

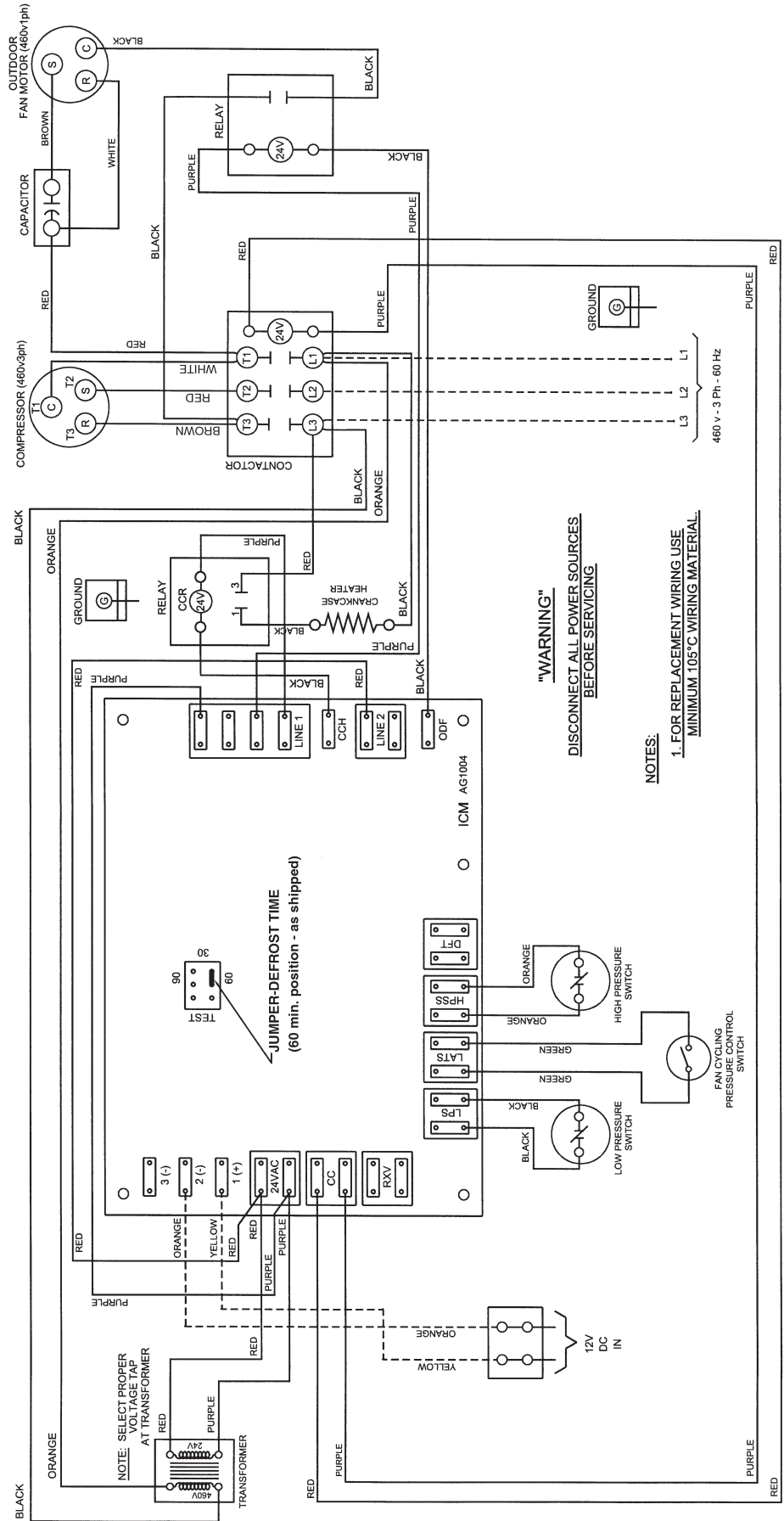
Note: To view the "last fault", move the defrost jumper to the "test" position. The status indicator will flash the last fault that occurred. Turning off the power supply clears this fault.

LEGEND:

----- = FACTORY WIRING (12v DC)
----- = FIELD WIRING LINE VOLTAGE
===== = FACTORY WIRING LOW VOLTAGE
===== = FACTORY WIRING LINE VOLTAGE

OUTDOOR FAN MOTOR
460v 1ph

Note: Yellow and purple motor leads are unused and capped.



PUGH

208/230V - 1ph - 60Hz

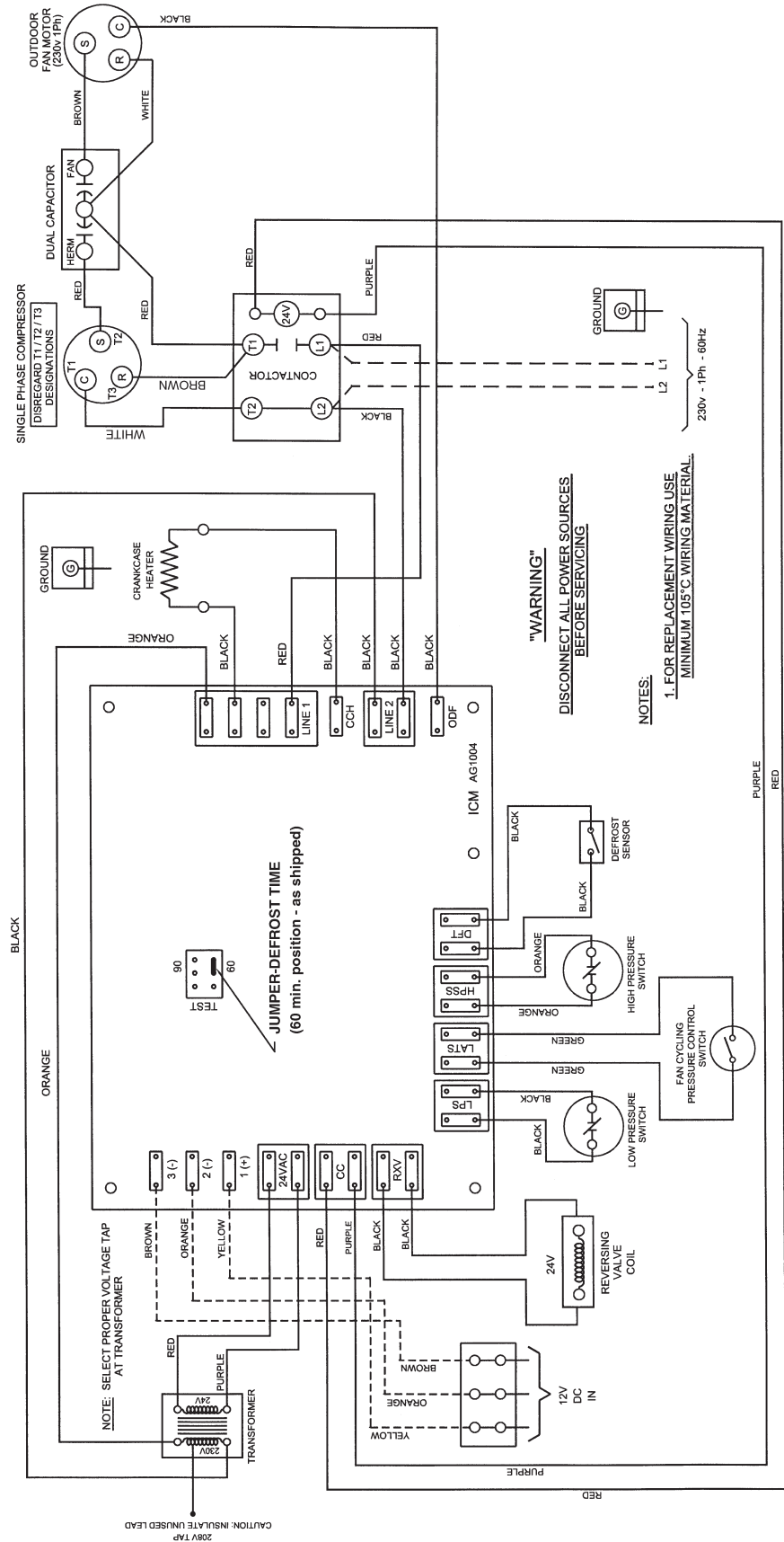
LEGEND

ODF - Outdoor Fan
CCH - Crank Case Heater
DFT - Defrost Sensor
HPSS - High Pressure Safety Switch
LATS - Low Ambient Temperature Switch (Outdoor Fan Control)
LPS - Low Pressure Switch
RXV - Reversing Valve (24 Volt Coil Hookup)
CC - Contactor Coil
24VAC - 24 VAC (from Transformer)
1(+) - Positive DC Voltage (from Indoor Unit)
2(-) - Negative 12VDC (from Indoor Unit, Compressor/Fan Call)
3(-) - Negative 12VDC (from Indoor Unit, Heat Mode)

Note: To view the "last fault", move the defrost jumper to the "test" position. The status indicator will flash the last fault that occurred. Turning off the power supply clears this fault.

LEGEND:

---	= FACTORY WIRING (12v DC)
---	= FIELD WIRING LINE VOLTAGE
---	= FACTORY WIRING LOW VOLTAGE
---	= FACTORY WIRING LINE VOLTAGE



PUGH
208/230v - 3ph - 60Hz

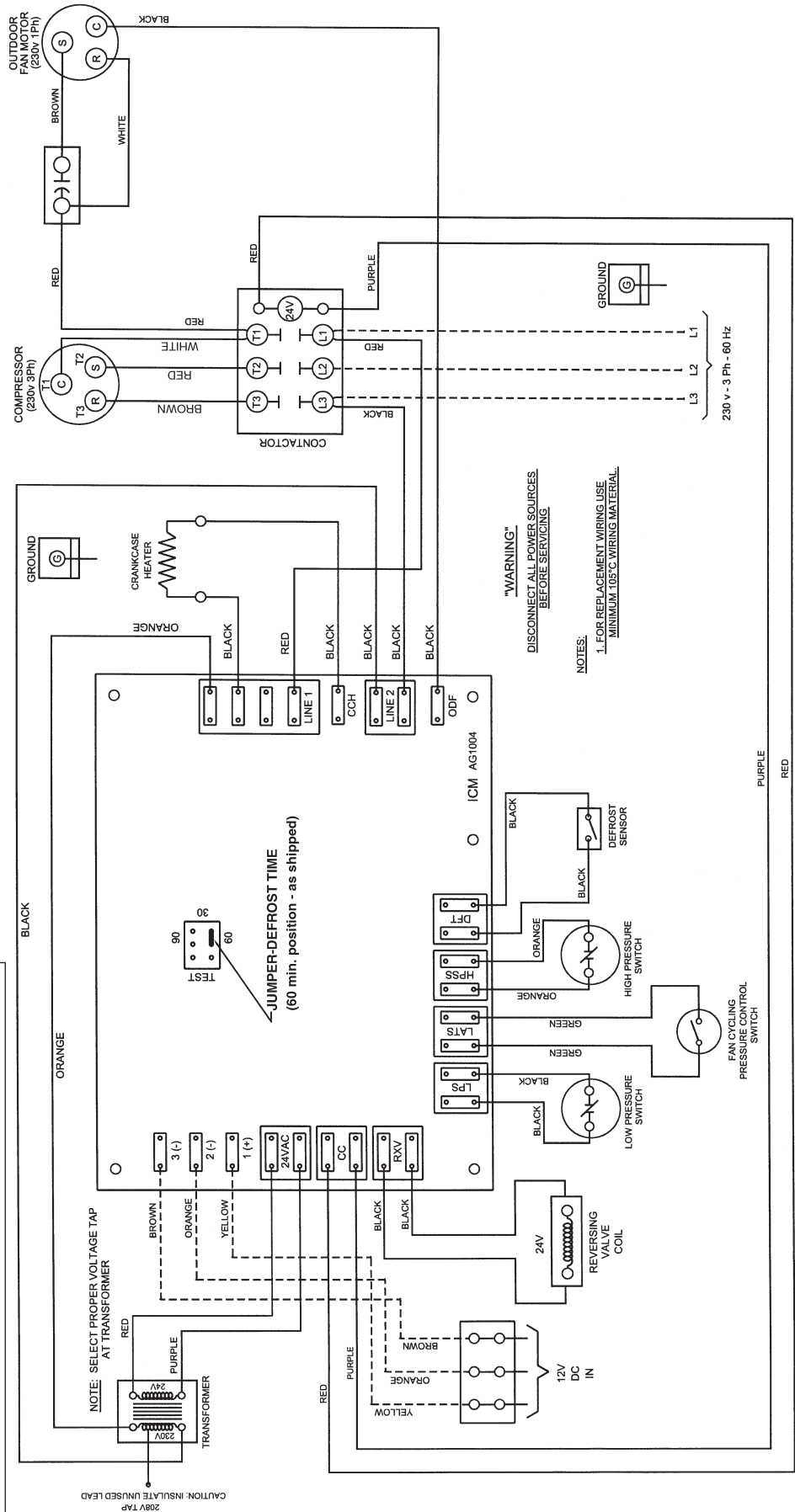
LEGEND

ODF - Outdoor Fan
 CCH - Crank Case Heater
 DFT - Defrost Sensor
 HPSS - High Pressure Safety Switch
 LATS - Low Ambient Temperature Switch (Outdoor Fan Control)
 LPS - Low Pressure Switch
 RXV - Reversing Valve (24 Volt Coil Hookup)
 CC - Contactor Coil
 24VAC - 24 VAC (from Transformer)
 1(+) - Positive DC Voltage (from Indoor Unit)
 2(-) - Negative 12VDC (from Indoor Unit, Compressor/Fan)
 3(-) - Negative 12VDC (from Indoor Unit, Heat Mode)

Note: To view the “last fault”, move the defrost jumper to the “test” position. The status indicator will flash the last fault that occurred. Turning off the power supply clears this fault.

LEGEND:

= FACTORY WIRING (12v DC)
 = FIELD WIRING LINE VOLTAGE
 = FACTORY WIRING LOW VOLTAGE
 = FACTORY WIRING LINE VOLTAGE



PUGH
460v - 3ph - 60Hz

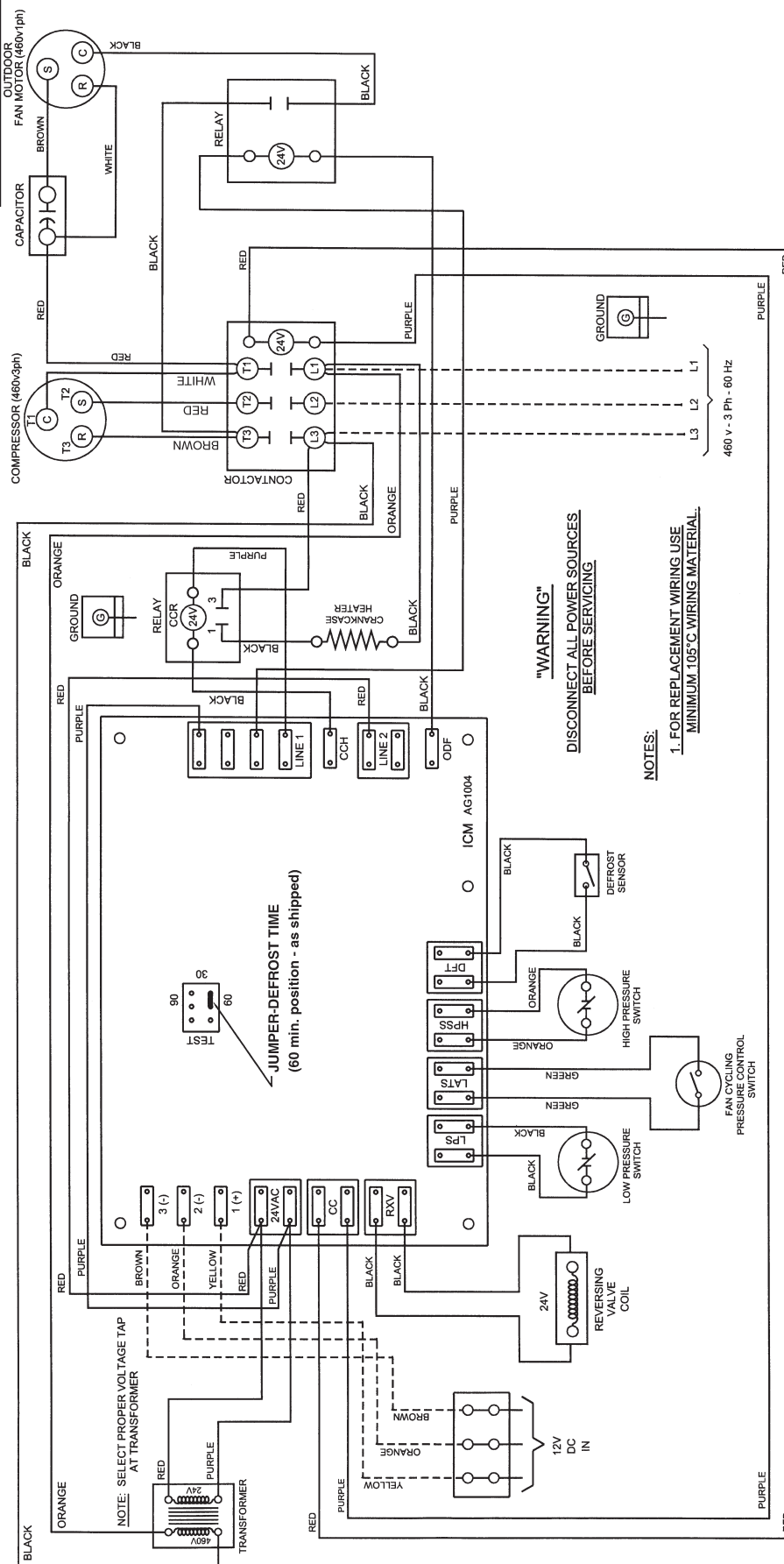
ODF - Outdoor Fan
CCH - Crank Case Heater
DFT - Defrost Sensor
HPSS - High Pressure Safety Switch
LATS - Low Ambient Temperature Switch (Outdoor Fan Control)
LPS - Low Pressure Switch
RXV - Reversing Valve (24 Volt Coil Hookup)
CC - Contactor Coil
24VAC - 24 VAC (from Transformer)
1(+)- Positive DC Voltage (from Indoor Unit)
2(-) - Negative 12VDC (from Indoor Unit, Compressor/Fan Call)
3(-) - Negative 12VDC (from Indoor Unit, Heat Mode)

Note: To view the “last fault”, move the defrost jumper to the “test” position. The status indicator will flash the last fault that occurred. Turning off the power supply clears this fault.

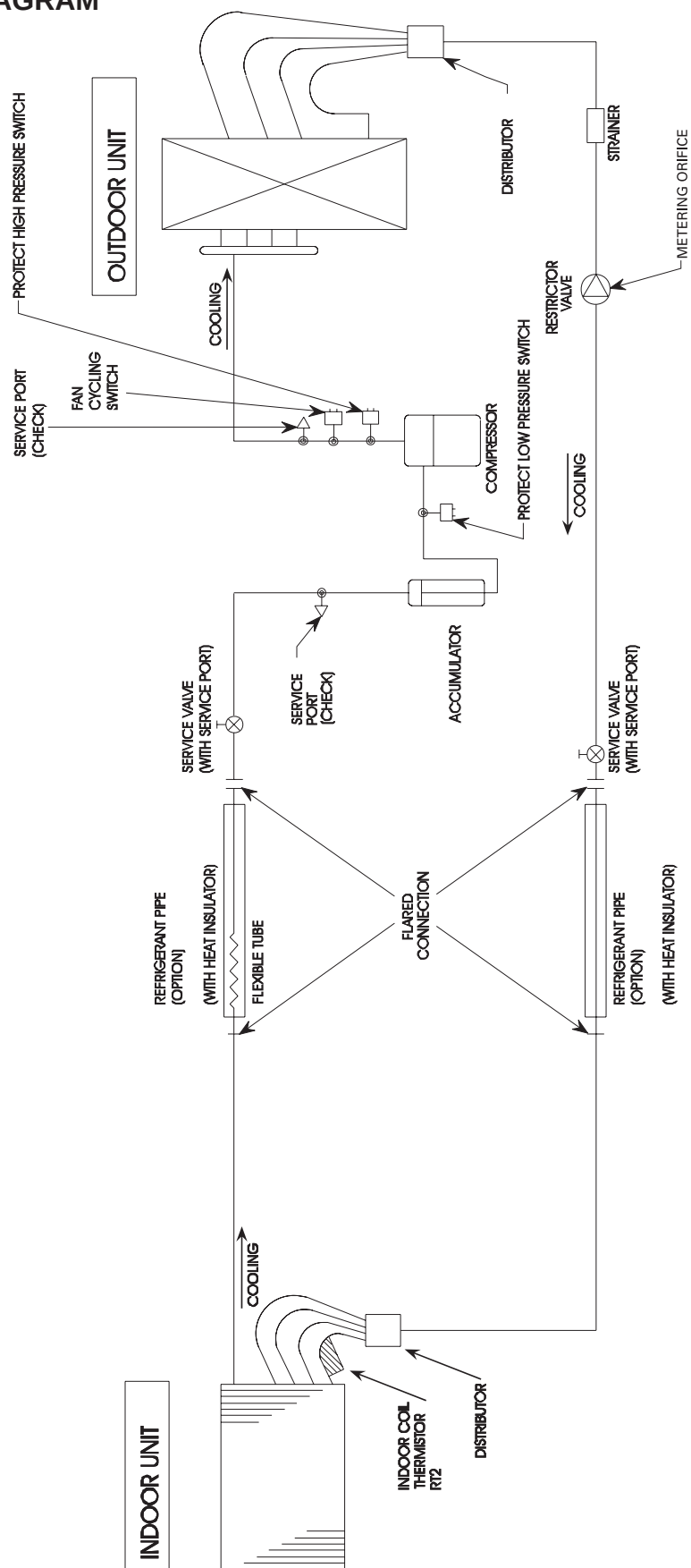
= FACTORY WIRING (12v DC)
 = FIELD WIRING LINE VOLTAGE
 = FACTORY WIRING LOW VOLTAGE
 = FACTORY WIRING LINE VOLTAGE

motor
460v 1ph

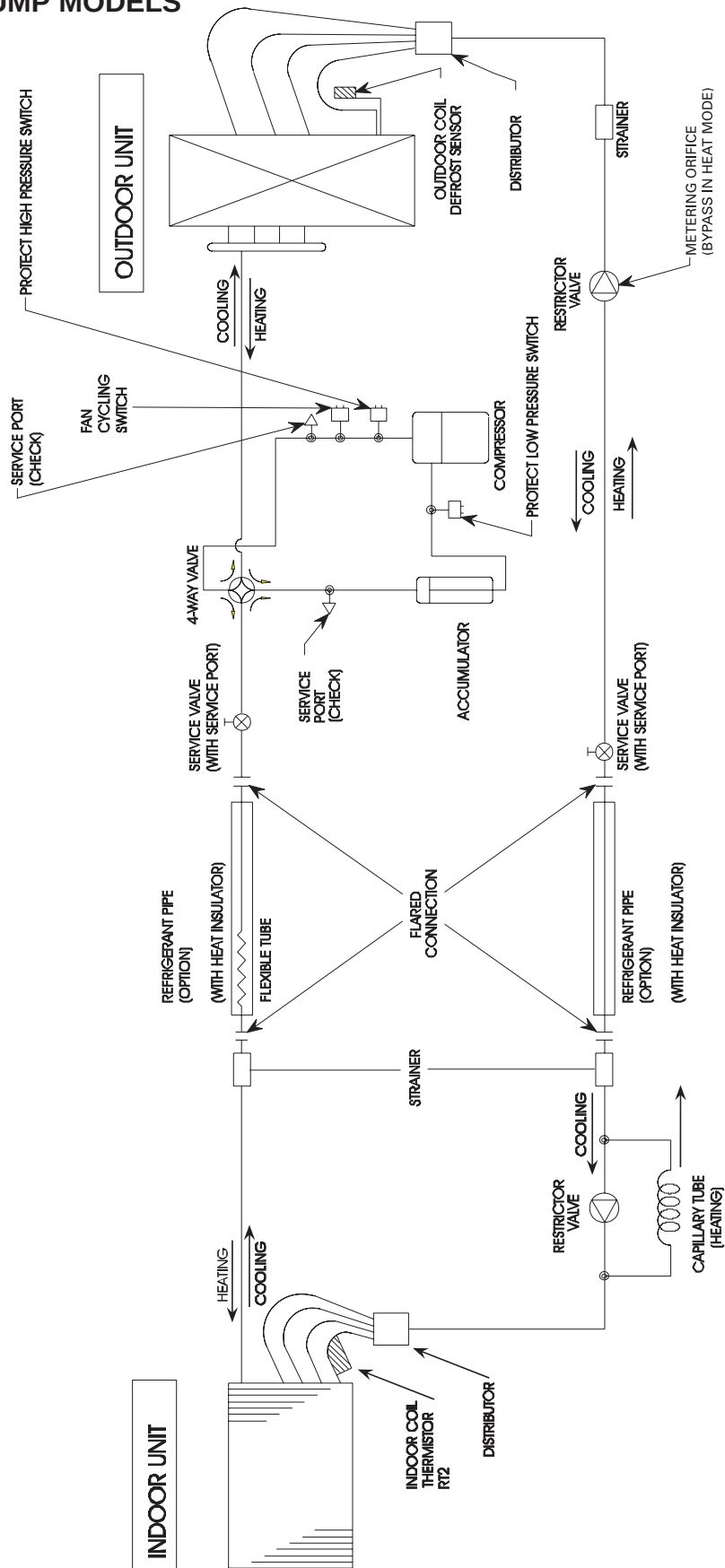
Note: Yellow and purple motor leads are unused and capped.



A. PUG PIPING DIAGRAM



B. PUGH HEAT PUMP MODELS



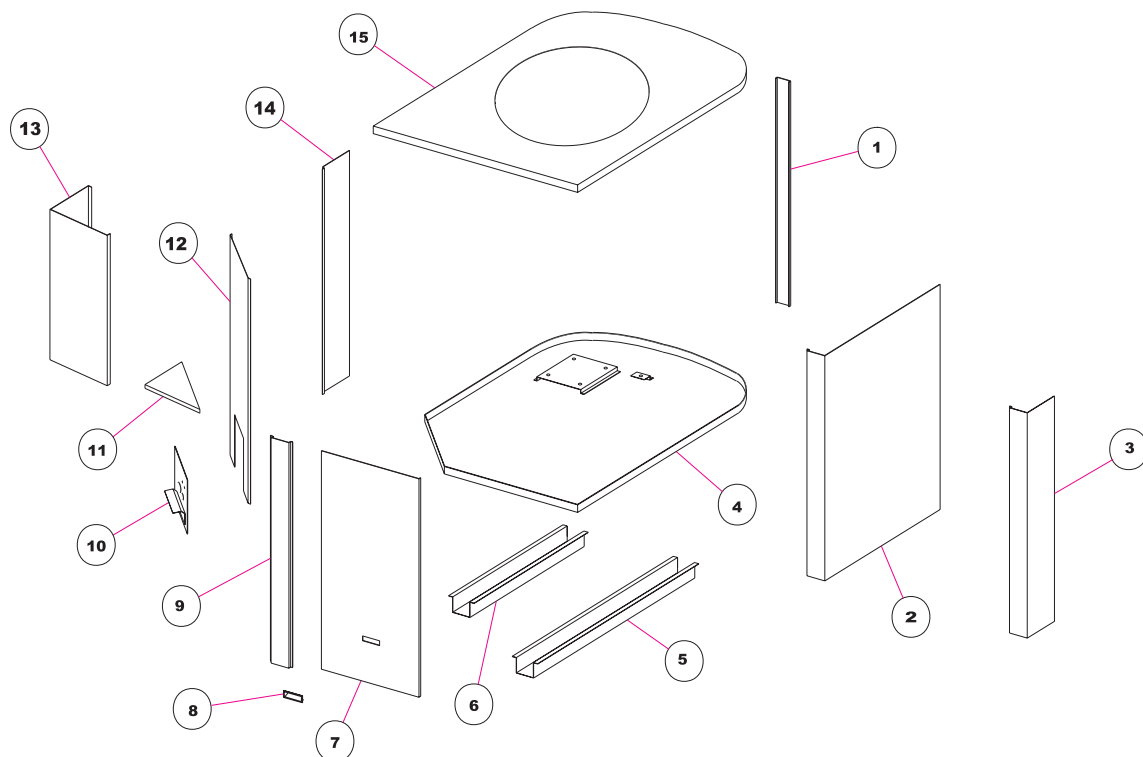
SP007-38

SERVICE PORTS

There are 4 service ports available to service technicians. One port is located at each of the two “ball valves” and two additional ports are located directly above the ball valves. The purpose of each is:

- A. **Liquid Line Ball Valve Service Port.** This port is used to evacuate the refrigerant line set when the ball valve is in the closed position. It may also be used to measure the liquid line pressure or more accurately the “saturated line” pressure during normal operation.
 - 1) During cooling operation this service port is downstream of the metering orifice which is installed inside of the condensing unit. While in the cooling mode this pressure is typically 25 to 40 PSI above that of the suction ball valve pressure (usually 85 to 110 PSI).
 - 2) During heating operation this pressure continues to be downstream of the capillary tube which is now metering refrigerant at the outlet of the indoor unit.
- B) **Suction Ball Valve Service Port.** This port is also used to evacuate the indoor unit and line set during installation (the ball valve must be closed to evacuate the line set and indoor unit). During normal cooling mode operation this pressure port indicates evaporator pressure (minus line set pressure drop). Typical cooling mode pressure readings here are in the range of 55 to 80 PSI during summer operation.
- C) **Two additional service ports are located directly above the ball valves.** These ports are connected to the compressor discharge line and the suction line just above the accumulator. These ports always read “true” high and low side pressures regardless of cooling or heating operating modes.
- D. **Both refrigerant lines must be insulated as a result of the “cooling side” metering device location (in outdoor unit).** Failure to insulate the liquid line, or more accurately the “saturation line”, will result in condensate dripping from the line and poor cooling performance.
- E. **Metering Devices.** Metering of refrigerant in the cooling mode is accomplished by a “fixed orifice” that is located in the condensing unit. If a restriction or a compressor failure occurs this orifice can be easily accessed and cleaned after refrigerant is recovered.

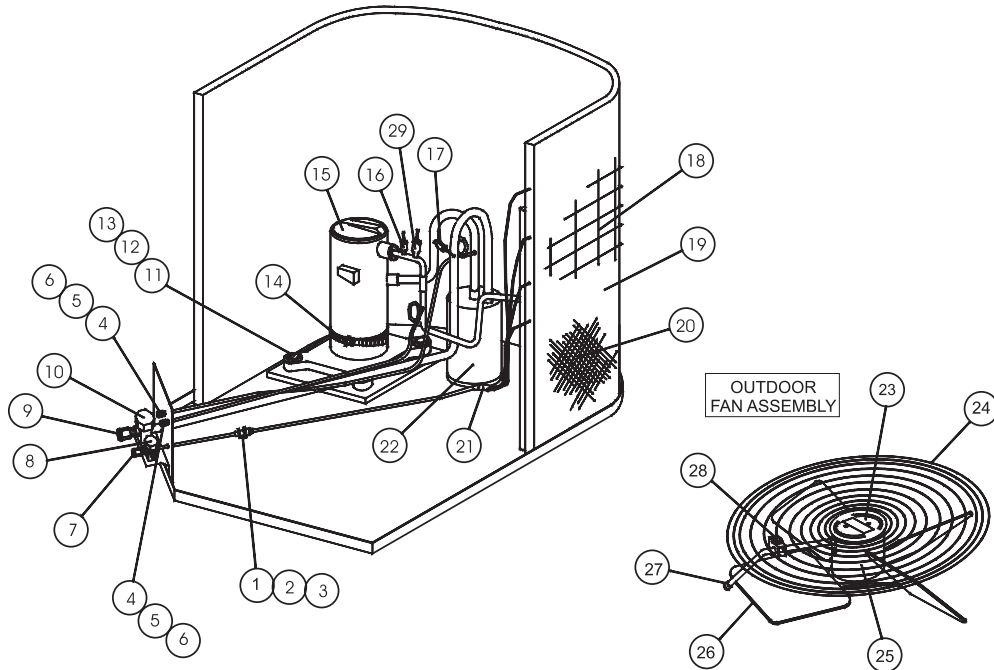
A. STRUCTURAL PARTS – ALL PUG AND PUG/H MODELS



PUG/PUGH - ALL

No.	Parts No.	Parts Name	Specifications	Q'ty/set				
				PUG/H18	PUG/H24	PUG/H30	PUG/H36	PUG/H42
1	501371FRP	FRONT HOLD-DOWN/DECAL STRIP	PAINTED	1	1	1	1	1
2	501367FRP	COIL SEAL/CORNER PANEL	PAINTED	1	—	—	—	—
3	501368FRP	COIL SEAL/CORNER PANEL	PAINTED	—	1	1	1	1
4	501361FRP	BASE PANEL	PAINTED	1	1	1	1	1
5	537724FRP	RAIL – LONG	GALVANIZED	1	1	1	1	1
6	537725FRP	RAIL – SHORT	GALVANIZED	1	1	1	1	1
7	501366FRP	ACCESS DOOR	PAINTED	1	1	1	1	1
8	818014FRP	HANDLE	ABS PLASTIC – BLACK	1	1	1	1	1
9	501361FRP	VERTICAL PANEL	PAINTED	1	1	1	1	1
10	501372FRP	REFRIGERATION LINE CLOSURE/ MOUNTING PLATE	PAINTED	1	1	1	1	1
11	537987FRP	BARRIER PLATE – LOWER W/BUSHINGS	PAINTED	1	1	1	1	1
12	501363FRP	CONTROL PANEL	PAINTED	1	1	1	1	1
13	501028FRP	CONTROL PANEL ACCESS COVER	PAINTED	1	1	1	1	1
14	501362FRP	COIL SEAL – LEFT	PAINTED	1	1	1	1	1
15	537990FRP	TOP	PAINTED	1	1	1	1	1

B. FUNCTIONAL PARTS – PUG AKB MODELS



PUGxxAKB (w/K3 & 4 Comp.)

No.	Parts No.	Parts Name	Specifications	Q'ty/set				
				PUG/H18AKB	PUG/H24AKB	PUG/H30AKB	PUG/H36AKB	PUG/H42AKB
1	416053FRP	FLOW CONTROL (3/8" I.D.)		1	1	1	1	1
2	416057FRP	FIELD CONNECTOR w/SWIVEL (3/8" I.D.)		1	1	1	1	1
3	416076FRP	RESTRICTOR	.056" dia.	1	—	—	—	—
	416077FRP	RESTRICTOR	.058" dia.	—	1	—	—	—
	416080FRP	RESTRICTOR	.064" dia.	—	—	1	—	—
	416085FRP	RESTRICTOR	.074" dia.	—	—	—	1	—
	416087FRP	RESTRICTOR	.078" dia.	—	—	—	—	—
4	255029FRP	SERVICE VALVE – BODY		2	2	2	2	2
5	255031FRP	SERVICE VALVE – CORE		2	2	2	2	2
6	255027FRP	SERVICE VALVE – CAP		2	2	2	2	2
7	416145FRP	FLARE NUT (SMALL)		1	1	—	—	—
	416146FRP	FLARE NUT (SMALL)		—	—	1	1	1
8	416140FRP	BASE VALVE – LIQUID	3/8"	1	1	—	—	—
	416141FRP	BASE VALVE – LIQUID	1/2"	—	—	1	1	1
9	416147FRP	FLARE NUT (LARGE)		1	1	—	—	—
	416148FRP	FLARE NUT (LARGE)		—	—	1	1	1
10	416142FRP	BASE VALVE – SUCTION		1	1	—	—	—
	416143FRP	BASE VALVE – SUCTION		—	—	1	1	1
11	507004FRP	COMPRESSOR GROMMET		4	4	4	4	4
12	507014FRP	COMPRESSOR SLEEVE		4	4	4	4	4

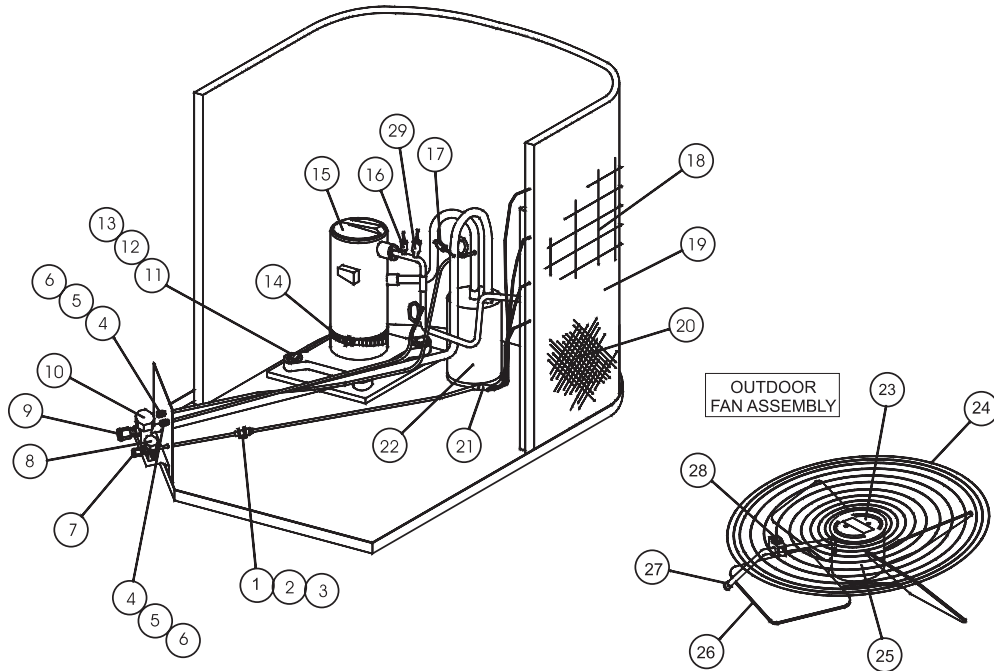
PUGxxAKB (w/K3 & 4 Comp.)

No.	Parts No.	Parts Name	Specifications	Q'ty/set				
				PUG18AKB	PUG24AKB	PUG30AKB	PUG36AKB	PUG42AKB
13	702086FRP	BOLT (5/16 - 18 x 1-5/8) w/WASHER		4	4	4	4	4
14	537960FRP	CRANKCASE HEATER ASSEMBLY		1	1	—	—	—
	537961FRP	CRANKCASE HEATER ASSEMBLY		—	—	1	1	1
15	200303FRP	COMPRESSOR	ZR18K4-PFV	1	—	—	—	—
	200304FRP	COMPRESSOR	ZR24K4-PFV	—	1	—	—	—
	200240FRP	COMPRESSOR	ZR28K3-PFV	—	—	1	—	—
	200241FRP	COMPRESSOR	ZR34K3-PFV	—	—	—	1	—
	200242FRP	COMPRESSOR	ZR40K3-PFV	—	—	—	—	1
16	309056FRP	HIGH PRESSURE SWITCH	450 C.O. 350 C.I.	1	1	1	1	1
17	309062FRP	LOW PRESSURE SWITCH	7 C.O. 21 C.I.	1	1	1	1	1
18	537727FRP	COIL GUARD (METAL)		1	—	—	—	—
	537728FRP	COIL GUARD (METAL)		—	1	1	1	1
19	210282FRP	OUTDOOR COIL		1	—	—	—	—
	210300FRP	OUTDOOR COIL		—	1	1	—	—
	210301FRP	OUTDOOR COIL		—	—	—	1	1
20	537729FRP	COIL GUARD (PLASTIC)		1	—	—	—	—
	537730FRP	COIL GUARD (PLASTIC)		—	1	1	1	1
21	537817FRP	FEEDER TUBE ASSEMBLY w/DISTRIBUTOR		1	—	—	—	—
	537898FRP	FEEDER TUBE ASSEMBLY w/DISTRIBUTOR		—	1	—	—	—
	537899FRP	FEEDER TUBE ASSEMBLY w/DISTRIBUTOR		—	—	1	1	1
22	250079FRP	ACCUMULATOR		1	1	—	—	—
	250017FRP	ACCUMULATOR		—	—	1	1	1
23	643036FRP	"DECAL" ON ALUMINUM DISC (6-1/2" DIA)		1	1	1	1	1
24	406053FRP	FAN GUARD / MOTOR MOUNT		1	1	1	1	1
25	220111FRP	OUTDOOR FAN MOTOR		1	1	1	—	—
	220110FRP	OUTDOOR FAN MOTOR		—	—	—	1	1
26	601056FRP	FAN BLADE		1	1	1	1	1
27	538010FRP	"OUTDOOR FAN MOTOR WIRE" TUBING ASSEMBLY		1	1	1	1	1
28	402075FRP	THRUST COLLAR w/BOLT & NUT		1	1	1	1	1
29	309066FRP	FAN CYCLING PRESSURE SWITCH	150 C.O. 225 C.I.	1	1	1	1	1

12

PARTS BREAKDOWN

C. FUNCTIONAL PARTS – PUG BKB MODELS



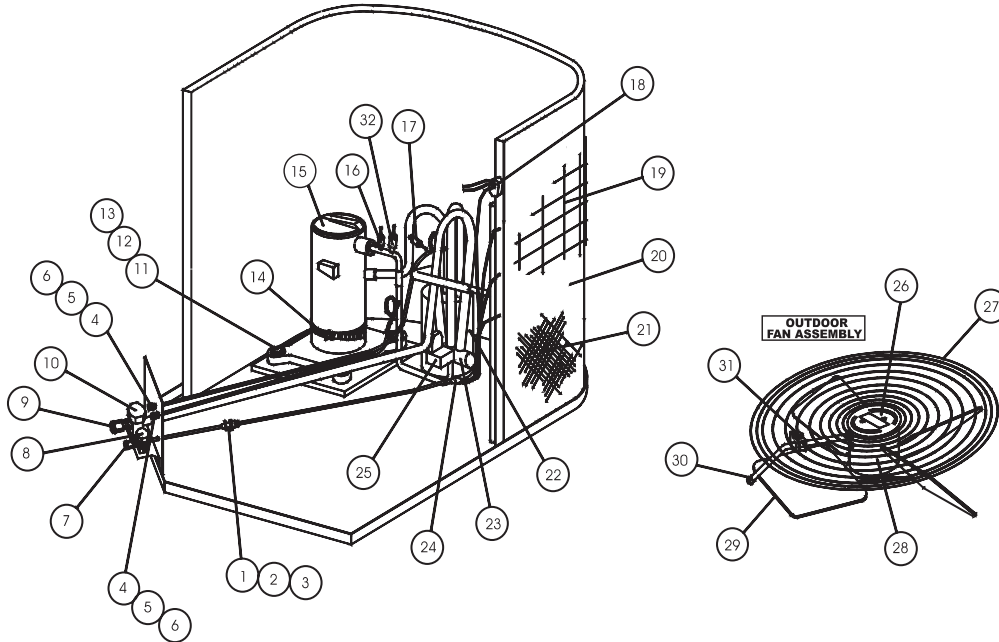
PUGxxBKB (w/KC Comp.)

No.	Parts No.	Parts Name	Specifications	Q'ty/set				
				PUG18BKB	PUG24BKB	PUG30BKB	PUG36BKB	PUG42BKB
1	416053FRP	FLOW CONTROL (3/8" I.D.)		1	1	1	1	1
2	416057FRP	FIELD CONNECTOR w/SWIVEL (3/8" I.D.)		1	1	1	1	1
3	416076FRP	RESTRICTOR	.056" dia.	1	—	—	—	—
	416077FRP	RESTRICTOR	.058" dia.	—	1	1	—	—
	416083FRP	RESTRICTOR	.070" dia.	—	—	—	1	—
	416086FRP	RESTRICTOR	.076" dia.	—	—	—	—	1
4	255029FRP	SERVICE VALVE – BODY		2	2	2	2	2
5	255031FRP	SERVICE VALVE – CORE		2	2	2	2	2
6	255027FRP	SERVICE VALVE – CAP		2	2	2	2	2
7	416145FRP	FLARE NUT (SMALL)		1	1	—	—	—
	416146FRP	FLARE NUT (SMALL)		—	—	1	1	1
8	416140FRP	BASE VALVE – LIQUID	3/8"	1	1	—	—	—
	416141FRP	BASE VALVE – LIQUID	1/2"	—	—	1	1	1
9	416147FRP	FLARE NUT (LARGE)		1	1	—	—	—
	416148FRP	FLARE NUT (LARGE)		—	—	1	1	1
10	416142FRP	BASE VALVE – SUCTION		1	1	—	—	—
	416143FRP	BASE VALVE – SUCTION		—	—	1	1	1
11	507004FRP	COMPRESSOR GROMMET		4	4	4	4	4
12	507014FRP	COMPRESSOR SLEEVE		4	4	4	4	4

PUGxxBKB (w/KC Comp.)

No.	Parts No.	Parts Name	Specifications	Q'ty/set				
				PUG18BKB	PUG24BKB	PUG30BKB	PUG36BKB	PUG42BKB
13	702086FRP	BOLT (5/16 - 18 x 1-5/8) w/WASHER		4	4	4	4	4
14	537960FRP	CRANKCASE HEATER ASSEMBLY		1	1	—	—	—
	537961FRP	CRANKCASE HEATER ASSEMBLY		—	—	1	1	1
15	200312FRP	COMPRESSOR	ZR18KC-PFV	1	—	—	—	—
	200313FRP	COMPRESSOR	ZR24KC-PFV	—	1	—	—	—
	200314FRP	COMPRESSOR	ZR28KC-PFV	—	—	1	—	—
	200315FRP	COMPRESSOR	ZR34KC-PFV	—	—	—	1	—
	200316FRP	COMPRESSOR	ZR40KC-PFV	—	—	—	—	1
16	309056FRP	HIGH PRESSURE SWITCH	450 C.O. 350 C.I.	1	1	1	1	1
17	309064FRP	LOW PRESSURE SWITCH	7 C.O. 21 C.I.	1	1	1	1	1
18	537727FRP	COIL GUARD (METAL)		1	—	—	—	—
	537728FRP	COIL GUARD (METAL)		—	1	1	1	1
19	210282FRP	OUTDOOR COIL		1	—	—	—	—
	210300FRP	OUTDOOR COIL		—	1	1	—	—
	210301FRP	OUTDOOR COIL		—	—	—	1	1
20	537729FRP	COIL GUARD (PLASTIC)		1	—	—	—	—
	537730FRP	COIL GUARD (PLASTIC)		—	1	1	1	1
21	537817FRP	FEEDER TUBE ASSEMBLY w/DISTRIBUTOR		1	—	—	—	—
	537898FRP	FEEDER TUBE ASSEMBLY w/DISTRIBUTOR		—	1	—	—	—
	537899FRP	FEEDER TUBE ASSEMBLY w/DISTRIBUTOR		—	—	1	1	1
22	250079FRP	ACCUMULATOR		1	1	—	—	—
	250017FRP	ACCUMULATOR		—	—	1	1	1
23	643036FRP	"DECAL" ON ALUMINUM DISC (6-1/2" DIA)		1	1	1	1	1
24	406053FRP	FAN GUARD / MOTOR MOUNT		1	1	1	1	1
25	220111FRP	OUTDOOR FAN MOTOR		1	1	1	—	—
	220110FRP	OUTDOOR FAN MOTOR		—	—	—	1	1
26	601056FRP	FAN BLADE		1	1	1	1	1
27	538010FRP	"OUTDOOR FAN MOTOR WIRE" TUBING ASSEMBLY		1	1	1	1	1
28	402075FRP	THRUST COLLAR w/BOLT & NUT		1	1	1	1	1
29	309066FRP	FAN CYCLING PRESSURE SWITCH	150 C.O. 225 C.I.	1	1	1	1	1

D. FUNCTIONAL PARTS – PUGH AKB MODELS



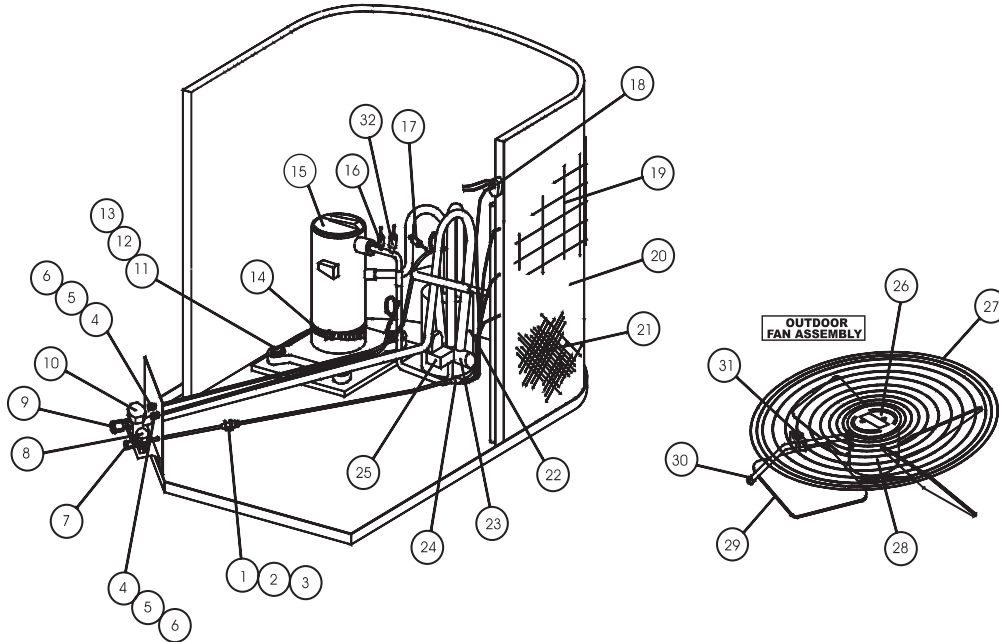
PUGHxxAKB (w/K3 & 4 Comp.)

No.	Parts No.	Parts Name	Specifications	Q'ty/set				
				PUGH18AKB	PUGH24AKB	PUGH30AKB	PUGH36AKB	PUGH42AKB
1	416053FRP	FLOW CONTROL (3/8" I.D.)		1	1	1	1	1
2	416057FRP	FIELD CONNECTOR w/SWIVEL (3/8" I.D.)		1	1	1	1	1
3	416076FRP	RESTRICTOR	.056" dia.	1	—	—	—	—
	416077FRP	RESTRICTOR	.058" dia.	—	1	—	—	—
	416080FRP	RESTRICTOR	.064" dia.	—	—	1	—	—
	416085FRP	RESTRICTOR	.074" dia.	—	—	—	1	—
	416087FRP	RESTRICTOR	.078" dia.	—	—	—	—	1
4	255029FRP	SERVICE VALVE – BODY		2	2	2	2	2
5	255031FRP	SERVICE VALVE – CORE		2	2	2	2	2
6	255027FRP	SERVICE VALVE – CAP		2	2	2	2	2
7	416145FRP	FLARE NUT (SMALL)	3/8"	1	1	—	—	—
	416146FRP	FLARE NUT (SMALL)	1/2"	—	—	1	1	1
8	416140FRP	BASE VALVE – LIQUID		1	1	—	—	—
	416141FRP	BASE VALVE – LIQUID		—	—	1	1	1
9	416147FRP	FLARE NUT (LARGE)	5/8"	1	1	—	—	—
	416148FRP	FLARE NUT (LARGE)	3/4"	—	—	1	1	1
10	416142FRP	BASE VALVE – SUCTION		1	1	—	—	—
	416143FRP	BASE VALVE – SUCTION		—	—	1	1	1
11	507004FRP	COMPRESSOR GROMMET		4	4	4	4	4
12	507014FRP	COMPRESSOR SLEEVE		4	4	4	4	4

PUGHxxAKB (w/K3 & 4 Comp.)

No.	Parts No.	Parts Name	Specifications	Q'ty/set				
				PUGH18AKB	PUGH24AKB	PUGH30AKB	PUGH36AKB	PUGH42AKB
13	702086FRP	BOLT (5/16 - 18 x 1-5/8) w/WASHER		4	4	4	4	4
14	537960FRP	CRANKCASE HEATER ASSEMBLY		1	1	—	—	—
	537961FRP	CRANKCASE HEATER ASSEMBLY		—	—	1	1	1
15	200303FRP	COMPRESSOR	ZR18K4-PFV	1	—	—	—	—
	200304FRP	COMPRESSOR	ZR24K4-PFV	—	1	—	—	—
	200240FRP	COMPRESSOR	ZR28K3-PFV	—	—	1	—	—
	200241FRP	COMPRESSOR	ZR34K3-PFV	—	—	—	1	—
	200242FRP	COMPRESSOR	ZR40K3-PFV	—	—	—	—	1
16	309056FRP	HIGH PRESSURE SWITCH (450/350 psi)	450 C.O. 350 C.I.	1	1	1	1	1
17	309064FRP	LOW PRESSURE SWITCH (7 psi)	7 C.O. 21 C.I.	1	1	1	1	1
18	308062FRP	DEFROST TEMPERATURE SENSOR	35 C.O. 65 C.I.	1	1	1	1	1
19	537727FRP	COIL GUARD (METAL)		1	—	—	—	—
	537728FRP	COIL GUARD (METAL)		—	1	1	1	1
20	210282FRP	OUTDOOR COIL		1	—	—	—	—
	210300FRP	OUTDOOR COIL		—	1	1	—	—
	210301FRP	OUTDOOR COIL		—	—	—	1	1
21	537729FRP	COIL GUARD (PLASTIC)		1	—	—	—	—
	537730FRP	COIL GUARD (PLASTIC)		—	1	1	1	1
22	250079FRP	ACCUMULATOR		1	1	—	—	—
	250017FRP	ACCUMULATOR		—	—	1	—	—
	250018FRP	ACCUMULATOR		—	—	—	1	1
23	255142FRP	REVERSING VALVE		1	1	1	—	—
	255132FRP	REVERSING VALVE		—	—	—	1	1
24	537817FRP	FEEDER TUBE ASSEMBLY w/DISTRIBUTOR		1	—	—	—	—
	537898FRP	FEEDER TUBE ASSEMBLY w/DISTRIBUTOR		—	1	—	—	—
	537899FRP	FEEDER TUBE ASSEMBLY w/DISTRIBUTOR		—	—	1	1	1
25	255136FRP	REVERSING VALVE COIL (24 Volt)		1	1	1	1	1
26	643036FRP	"DECAL" ON ALUMINUM DISC (6-1/2" DIA)		1	1	1	1	1
27	406053FRP	FAN GUARD / MOTOR MOUNT		1	1	1	1	1
28	220111FRP	OUTDOOR FAN MOTOR		1	1	1	—	—
	220110FRP	OUTDOOR FAN MOTOR		—	—	—	1	1
29	601056FRP	FAN BLADE		1	1	1	1	1
30	538010FRP	"OUTDOOR FAN MOTOR WIRE" TUBING ASSEMBLY		1	1	1	1	1
31	402075FRP	THRUST COLLAR w/BOLT & NUT		1	1	1	1	1
32	309066FRP	FAN CYCLING PRESSURE SWITCH	150 C.O. 225 C.I.	1	1	1	1	1

E. FUNCTIONAL PARTS – PUGH BKB MODELS



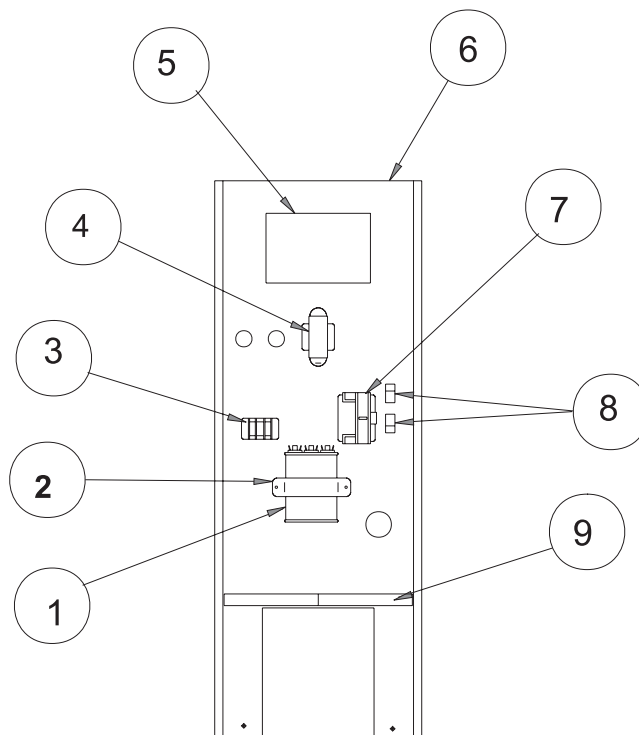
PUGHxxBKB (w/KC Comp.) Exception: PUGH42BKB

No.	Parts No.	Parts Name	Specifications	Q'ty/set				
				PUGH18BKB	PUGH24BKB	PUGH30BKB	PUGH36BKB	PUGH42BKB
1	416053FRP	FLOW CONTROL (3/8" I.D.)		1	1	1	1	1
2	416057FRP	FIELD CONNECTOR w/SWIVEL (3/8" I.D.)		1	1	1	1	1
3	416076FRP	RESTRICTOR	.056" dia.	1	—	—	—	—
	416077FRP	RESTRICTOR	.058" dia.	—	1	1	—	—
	416085FRP	RESTRICTOR	.074" dia.	—	—	—	1	—
	416087FRP	RESTRICTOR	.078" dia.	—	—	—	—	1
4	255029FRP	SERVICE VALVE – BODY		2	2	2	2	2
5	255031FRP	SERVICE VALVE – CORE		2	2	2	2	2
6	255027FRP	SERVICE VALVE – CAP		2	2	2	2	2
7	416145FRP	FLARE NUT (SMALL)	3/8"	1	1	—	—	—
	416146FRP	FLARE NUT (SMALL)	1/2"	—	—	1	1	1
8	416140FRP	BASE VALVE – LIQUID	3/8"	1	1	—	—	—
	416141FRP	BASE VALVE – LIQUID	1/2"	—	—	1	1	1
9	416147FRP	FLARE NUT (LARGE)	5/8"	1	1	—	—	—
	416148FRP	FLARE NUT (LARGE)	3/4"	—	—	1	1	1
10	416142FRP	BASE VALVE – SUCTION		1	1	—	—	—
	416143FRP	BASE VALVE – SUCTION		—	—	1	1	1
11	507004FRP	COMPRESSOR GROMMET		4	4	4	4	4
12	507014FRP	COMPRESSOR SLEEVE		4	4	4	4	4

PUGHxxBKB (w/KC Comp.) Exception: PUGH42BKB

No.	Parts No.	Parts Name	Specifications	Q'ty/set				
				PUGH18BKB	PUGH24BKB	PUGH30BKB	PUGH36BKB	PUGH42BKB
13	702086FRP	BOLT (5/16 - 18 x 1-5/8) w/WASHER		4	4	4	4	4
14	537960FRP	CRANKCASE HEATER ASSEMBLY		1	1	—	—	—
	537961FRP	CRANKCASE HEATER ASSEMBLY		—	—	1	1	1
15	200312FRP	COMPRESSOR	ZR18KC-PFV	1	—	—	—	—
	200313FRP	COMPRESSOR	ZR24KC-PFV	—	1	—	—	—
	200314FRP	COMPRESSOR	ZR28KC-PFV	—	—	1	—	—
	200315FRP	COMPRESSOR	ZR34KC-PFV	—	—	—	1	—
	200242FRP	COMPRESSOR	ZR40K3-PFV	—	—	—	—	1
16	309056FRP	HIGH PRESSURE SWITCH	450 C.O. 350 C.I.	1	1	1	1	1
17	309064FRP	LOW PRESSURE SWITCH	7 C.O. 21 C.I.	1	1	1	1	1
18	308062FRP	DEFROST TEMPERATURE SENSOR	35 C.O. 65 C.I.	1	1	1	—	—
19	537727FRP	COIL GUARD (METAL)		1	—	—	—	—
	537728	COIL GUARD (METAL)		—	1	1	1	1
20	210282FRP	OUTDOOR COIL		1	—	—	—	—
	210300FRP	OUTDOOR COIL		—	1	1	—	—
	210301FRP	OUTDOOR COIL		—	—	—	1	1
21	537729FRP	COIL GUARD (PLASTIC)		1	—	—	—	—
	537730FRP	COIL GUARD (PLASTIC)		—	1	1	1	1
22	537817FRP	FEEDER TUBE ASSEMBLY w/DISTRIBUTOR		1	—	—	—	—
	537898FRP	FEEDER TUBE ASSEMBLY w/DISTRIBUTOR		—	1	—	—	—
	537899FRP	FEEDER TUBE ASSEMBLY w/DISTRIBUTOR		—	—	1	1	1
23	250079FRP	ACCUMULATOR		1	1	—	—	—
	250017FRP	ACCUMULATOR		—	—	1	—	—
	250018FRP	ACCUMULATOR		—	—	—	1	1
24	255142FRP	REVERSING VALVE		1	1	—	1	—
	255132FRP	REVERSING VALVE		—	—	1	1	1
25	255136FRP	REVERSING VALVE COIL (24 Volt)		1	1	1	1	1
26	643036FRP	"DECAL" ON ALUMINUM DISC (6-1/2" DIA)		1	1	1	1	1
27	406053FRP	FAN GUARD / MOTOR MOUNT		1	1	1	—	1
28	220111FRP	OUTDOOR FAN MOTOR		1	1	—	1	—
	220110FRP	OUTDOOR FAN MOTOR		—	—	1	1	1
29	601056FRP	FAN BLADE		1	1	1	1	1
30	538010FRP	"OUTDOOR FAN MOTOR WIRE" TUBING ASSEMBLY		1	1	1	1	1
31	402075FRP	THRUST COLLAR w/BOLT & NUT		1	1	1	1	1
32	309066FRP	FAN CYCLING PRESSURE SWITCH	150 C.O. 225 C.I.	1	1			1

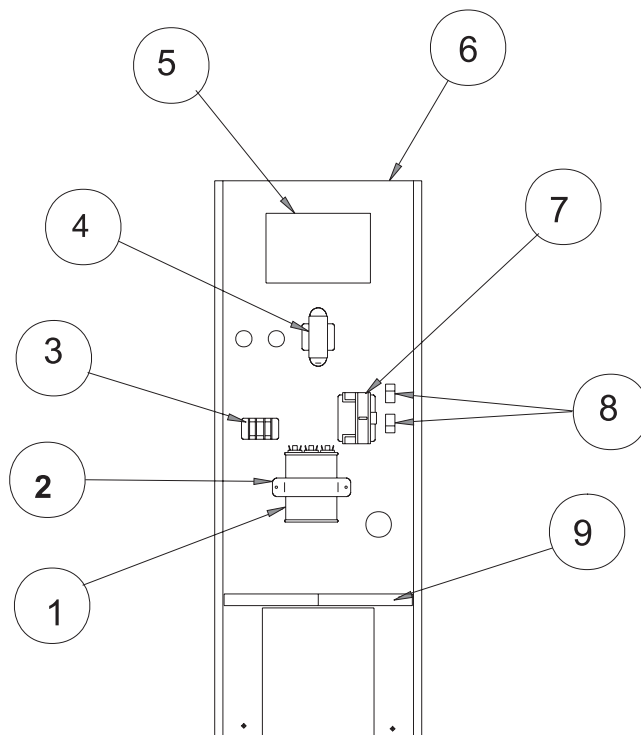
F. ELECTRICAL PANEL – PUG AKB MODELS



PUGxxAKB (w/K3 & 4 Comp.)

No.	Parts No.	Parts Name	Specifications	Q'ty/set				
				PUG18AKB	PUG24AKB	PUG30AKB	PUG36AKB	PUG42AKB
1	300184FRP	DUAL CAPACITOR	35+5@370VAC	1	1	—	—	—
	300177FRP	DUAL CAPACITOR	45+5@370VAC	—	—	1	—	—
	300176FRP	DUAL CAPACITOR	50+5@370VAC	—	—	—	1	—
	300210FRP	DUAL CAPACITOR	55+5@370VAC	—	—	—	—	1
2	522402FRP	CAPACITOR STRAP		1	1	1	1	1
3	313041FRP	TERMINAL BLOCK		1	1	1	1	1
4	315067FRP	TRANSFORMER		1	1	1	1	1
5	305023FRP	CONTROL BOARD (ICM)		1	1	1	1	1
6	501363FRP	CONTROL PANEL		1	1	1	1	1
7	301051FRP	CONTACTOR		1	1	1	—	—
	301052FRP	CONTACTOR		—	—	—	1	1
8	704060FRP	GROUND LUG		2	2	2	2	2
9	537987FRP	BARRIER PLATE – LOWER W/BUSHINGS		1	1	1	1	1

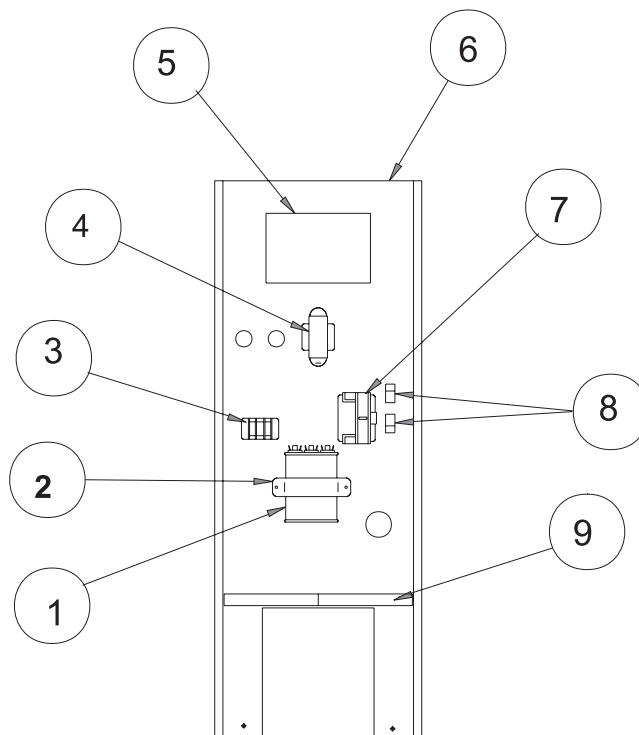
G. ELECTRICAL PANEL – PUG BKB MODELS



PUGxxBKB (w/KC Comp.)

No.	Parts No.	Parts Name	Specifications	Q'ty/set				
				PUG18BKB	PUG24BKB	PUG30BKB	PUG36BKB	PUG42BKB
1	300196FRP	DUAL CAPACITOR	30+5@370VAC	1	—	—	—	—
	300184FRP	DUAL CAPACITOR	35+5@370VAC	—	1	—	—	—
	300165FRP	DUAL CAPACITOR	35+5@440VAC	—	—	1	—	—
	300183FRP	DUAL CAPACITOR	40+5@370VAC	—	—	—	1	—
	300205FRP	DUAL CAPACITOR	40+5@440VAC	—	—	—	—	1
2	522402FRP	CAPACITOR STRAP		1	1	1	1	1
3	313041FRP	TERMINAL BLOCK		1	1	1	1	1
4	315067FRP	TRANSFORMER		1	1	1	1	1
5	305023FRP	CONTROL BOARD (ICM)		1	1	1	1	1
6	501363FRP	CONTROL PANEL		1	1	1	1	1
7	301051FRP	CONTACTOR		1	1	1	—	—
	301052FRP	CONTACTOR		—	—	—	1	1
8	704060FRP	GROUND LUG		2	2	2	2	2
9	537987FRP	BARRIER PLATE – LOWER W/BUSHINGS		1	1	1	1	1

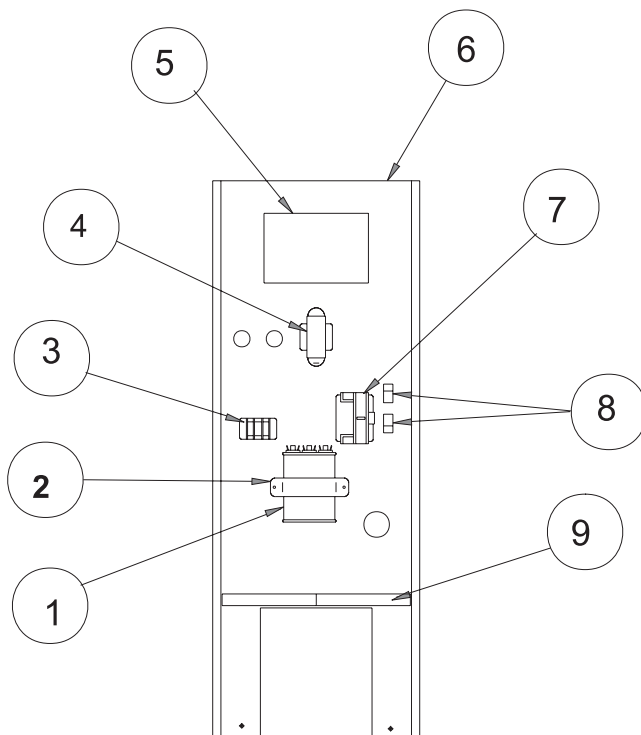
H. ELECTRICAL PANEL – PUGH AKB MODELS



PUGHxxAKB (w/K3 & 4 Comp.)

No.	Parts No.	Parts Name	Specifications	Q'ty/set				
				PUGH18AKB	PUGH24AKB	PUGH30AKB	PUGH36AKB	PUGH42AKB
1	300184FRP	DUAL CAPACITOR	35+5@370VAC	1	1	—	—	—
	300177FRP	DUAL CAPACITOR	45+5@370VAC	—	—	1	—	—
	300176FRP	DUAL CAPACITOR	50+5@370VAC	—	—	—	1	—
	300210FRP	DUAL CAPACITOR	55+5@370VAC	—	—	—	—	1
2	522402FRP	CAPACITOR STRAP		1	1	1	1	1
3	313040FRP	TERMINAL BLOCK		1	1	1	1	1
4	315067FRP	TRANSFORMER		1	1	1	1	1
5	305023FRP	CONTROL BOARD (ICM)		1	1	1	1	1
6	501363FRP	CONTROL PANEL		1	1	1	1	1
7	301051FRP	CONTACTOR		1	1	1	—	—
	301052FRP	CONTACTOR		—	—	—	1	1
8	704060FRP	GROUND LUG		2	2	2	2	2
9	537987FRP	BARRIER PLATE – LOWER W/BUSHINGS		1	1	1	1	1

I. ELECTRICAL PANEL – PUGH BKB MODELS



PUGHxxBKB (w/KC Comp.) Exception: PUGH42BKB

No.	Parts No.	Parts Name	Specifications	Q'ty/set				
				PUGH18BKB	PUGH24BKB	PUGH30BKB	PUGH36BKB	PUGH42BKB
1	300196FRP	DUAL CAPACITOR	30+5@370VAC	1	—	—	—	—
	300184FRP	DUAL CAPACITOR	35+5@370VAC	—	1	—	—	—
	300165FRP	DUAL CAPACITOR	35+5@440VAC	—	—	1	—	—
	300183FRP	DUAL CAPACITOR	40+5@370VAC	—	—	—	1	—
	300210FRP	DUAL CAPACITOR	55+5@370VAC	—	—	—	—	1
2	522402FRP	CAPACITOR STRAP		1	1	1	1	1
3	313040FRP	TERMINAL BLOCK		1	1	1	1	1
4	315067FRP	TRANSFORMER		1	1	1	1	1
5	305023FRP	CONTROL BOARD (ICM)		1	1	1	1	1
6	501363FRP	CONTROL PANEL		1	1	1	1	1
7	301051FRP	CONTACTOR		1	1	1	—	—
	301052FRP	CONTACTOR		—	—	—	1	1
8	704060FRP	GROUND LUG		2	2	2	2	2
9	537987FRP	BARRIER PLATE – LOWER W/BUSHINGS		1	1	1	1	1

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