

**PRODUCT SPECIFICATIONS**



**UP TO 15 SEER/ 8.0 HSPF**

**R-410A**

**2 TO 5 TONS**

**COOLING CAPACITY: 24,000 - 55,600 BTU/h**

**HEATING CAPACITY: 23,400 - 56,000 BTU/h**



\* To receive the Lifetime Compressor Limited Warranty and 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Québec. Full warranty details available at [www.whirlpoolhvac.com](http://www.whirlpoolhvac.com).

**PACKAGED HEAT PUMP**

The Whirlpool Gold® brand WGPH45 Packaged Heat Pump provides energy-efficient cooling and heating performance in one self-contained unit. This unit uses the chlorine-free refrigerant R-410A. The WGPH45 is housed in a heavy-gauge, galvanized-steel cabinet that offers a high-quality, UV-resistant powder-paint finish and allows for a ground-level or rooftop mount.

**Standard Features**

- Energy-efficient scroll compressor
- Two-stage heating & cooling on 4 & 5-ton units
- Fully charged R-410A system
- ECM blower motor
- Liquid-line filter drier
- Convertible airflow — horizontal or downflow
- Copper tube/aluminum fin coils
- Totally enclosed, permanently lubricated condenser fan motor
- Electric heat kit available as a field-installed option

**Cabinet Features**

- Heavy-gauge galvanized-steel cabinet with attractive Hannah Slate Durashield® powder-paint finish
- Fully insulated air-handling compartment with convenient access panels
- Louvered condenser coil protection
- One footprint; two heights

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# PRODUCT SPECIFICATIONS

## NOMENCLATURE

	W	G	PH	4	5	24	A	M	**													
	1	2	3,4	5	6	7,8	9	10	11													
<b>Brand</b> W Whirlpool									<b>Engineering</b> Minor Revision Major Revision													
<b>Brand</b> G Gold									<b>Position</b> M Multiposition H Horizontal													
<b>Type</b> PC Packaged Air Conditioner PH Packaged Heat Pump									<b>Voltage Designator</b> A 208-230/1/60													
<b>Refrigerant</b> 4 R410A									<b>Nominal Capacity</b>													
<b>Efficiency</b> 3 13 SEER 4 14 SEER 5 15 SEER									<table border="0"> <tr> <td>24</td> <td>2 Tons</td> <td>43</td> <td>3.5 Tons</td> </tr> <tr> <td>30</td> <td>2.5 Tons</td> <td>49</td> <td>4 Tons</td> </tr> <tr> <td>36</td> <td>3 Tons</td> <td>60</td> <td>5 Tons</td> </tr> </table>		24	2 Tons	43	3.5 Tons	30	2.5 Tons	49	4 Tons	36	3 Tons	60	5 Tons
24	2 Tons	43	3.5 Tons																			
30	2.5 Tons	49	4 Tons																			
36	3 Tons	60	5 Tons																			

**Important EnergyStar Notice:** EnergyStar ratings are dependent upon conditions beyond equipment installation. Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet EnergyStar criteria. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov).

## SPECIFICATIONS

	WGPH45 24AM*	WGPH45 30AM*	WGPH45 36AM*	WGPH45 43AM*	WGPH45 49AM*	WGPH45 60AM*
<b>Cooling Capacity</b>						
Total BTU/h	24,000	29,000	33,300	40,000	46,000	55,500
Sensible BTU/h	18,000	22,200	26,700	28,000	31,000	39,300
SEER / EER	15/ 12	14.5/ 11.5	14.5/ 11.5	15 / 12	15 / 11.7	14/ 10.2
Decibels	76	76	76	78	78	78
<b>Heating Capacity</b>						
BUT/h (47°F)	23,400	27,400	35,400	39,000	45,500	56,000
C.O.P (47°F)	3.5	3.6	3.5	3.75	3.6	3.3
BUT/h (17°F)	12,400	15,200	18,600	22,000	25,000	31,400
C.O.P (17°F)	2.2	2.3	2.4	2.5	2.2	2.1
HSPF	8.0	8.0	8.0	8.0	8.0	8.0
<b>Evaporator Motor</b>						
Type	ECM	ECM	ECM	ECM	ECM	ECM
Wheel (D x W)	10 x 9	10 x 9	10 x 9	10 x 9	10 x 9	10 x 9
Nominal Cooling CFM	860	1,000	1,200	1,250	1,350	1,800
FLA	4.3	4.3	4.3	2.9	2.9	7.0
No. of Speeds	5	5	5	5	5	5
Horsepower - RPM	½ -1,050	½ -1,050	½ -1,050	¾ - 1,050	¾ - 1,050	1-1,050
<b>Evaporator Coil</b>						
Face Area (ft²)	4.5	4.5	4.5	6.2	6.2	6.2
Rows Deep/ Fin per Inch	3/ 14	3/ 14	4/ 14	4/ 14	4/ 14	4/ 14
Expansion Device	TXV	TXV	TXV	TXV	TXV	TXV
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"
R-410A Refrigerant Charge (oz.)	113	128	174	233	214	207
<b>Condenser Fan / Coil</b>						
Horsepower - RPM	¼ - 850	¼ - 850	¼ - 850	¼ - 1,075	¼ - 1,075	½ - 1,075
FLA/LRA	1.5/ 3.0	1.5/ 3.0	1.5/ 3.0	1.4 / 2.9	1.4 / 2.9	2.4/ 5.2
Fan Diameter / # Fan Blades	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3
Face Area (ft²)	17.2	17.2	17.2	21.2	21.2	21.2
Rows Deep/ Fin per Inch	1 / 22	1 / 22	2 / 16	2 / 16	2 / 16	2 / 18
<b>Compressor</b>						
Quantity	1	1	1	1	1	1
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Stage	Single	Single	Single	Single	Two	Two
<b>Electrical Data</b>						
Voltage/ Phase/ Hz	208-230/1/60		208-230/1/60		208-230/1/60	
Compressor RLA/ LRA	12.8 / 58.3	14.1 / 73	16.7 / 79	17.9 / 112	21.2 / 96	25.6 / 118
Indoor Blower FLA	4.3	4.3	4.3	2.9	2.9	7.0
Total Unit Amps	18.6	19.9	22.5	22.2	25.5	35.0
Min. Circuit Ampacity <sup>1</sup>	21.8	26.7	26.6	26.7	30.8	41.5
Max. Overcurrent Protection <sup>2</sup>	30	35	40	40	50	60
<b>Shipping Weight (lbs)</b>	376	385	438	492	492	523

<sup>1</sup> Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

<sup>2</sup> May use fuses or HACR-type circuit breakers of the same size as noted.

**Note:** Always check the S&R plate for electrical data on the unit being installed.

# PRODUCT SPECIFICATIONS

## EVAPORATOR BLOWER SPECIFICATIONS

Model	Switch 1	Switch 2	Electric Heat CFM	Speed Tap
WGPH4524	Off	Off	1,050	A*
	On	Off	950	B
	Off	On	825	C
	On	On	700	D
WGPH4530	Off	Off	1,250	A*
	On	Off	1,100	B
	Off	On	1,000	C
	On	On	800	D
WGPH4536	Off	Off	1,250	A*
	On	Off	1,100	B
	Off	On	1,000	C
	On	On	800	D
WGPH4543, WGPH4549	Off	Off	1,800	A*
	On	Off	1,700	B
	Off	On	1,400	C**
	On	On	1,225	D
WGPH4560	Off	Off	2,000	A*
	On	Off	1,800	B
	Off	On	1,600	C
	On	On	1,400	D

\*Denotes factory setting

\*\*Denotes factory setting WGPH4543

### Notes:

- **Important:** Disconnect power to unit before moving jumper to prevent damage to TAP board.
- WGPH4543, 49-60: low-stage cool will be 70% of high-stage cool.

Model	Switch 5	Switch 6	Cooling/ HP CFM	Speed Tap
WGPH4524	Off	Off	1,050	A*
	On	Off	950	B
	Off	On	825	C
	On	On	700	D
WGPH4530	Off	Off	1,250	A*
	On	Off	1,100	B
	Off	On	1,000	C
	On	On	800	D
WGPH4536	Off	Off	1,250	A*
	On	Off	1,100	B
	Off	On	1,000	C
	On	On	800	D
WGPH4543, WGPH4549	Off	Off	1,800	A*
	On	Off	1,700	B
	Off	On	1,400	C**
	On	On	1,225	D***
WGPH4560	Off	Off	2,000	A*
	On	Off	1,800	B
	Off	On	1,600	C
	On	On	1,400	D

\*Denotes factory setting

\*\*Denotes factory setting WGPH4543

\*\*\*Denotes factory setting WGPH4549

## EVAPORATOR AIRFLOW DATA

WGPH4524AM					
Cooling Speed	Adjust Tap	CFM*	Heating Speed	Adjust Tap	CFM*
D	Minus	630	D	Minus	630
D	Normal	700	D	Normal	700
D	Plus	770	D	Plus	770
C	Minus	743	C	Minus	743
C	Normal	825	C	Normal	825
C	Plus	908	C	Plus	908
B	Minus	855	B	Minus	855
B	Normal	950	B	Normal	950
B	Plus	1,045	B	Plus	1,045
A	Minus	945	A	Minus	945
A	Normal	1,050	A	Normal	1,050
A	Plus	1,155	A	Plus	1,155

\* @ 0.1 - 0.5 ESP

WGPH4536AM					
Cooling Speed	Adjust Tap	CFM*	Heating Speed	Adjust Tap	CFM*
D	Minus	720	D	Minus	720
D	Normal	800	D	Normal	800
D	Plus	880	D	Plus	880
C	Minus	900	C	Minus	900
C	Normal	1,000	C	Normal	1,000
C	Plus	1,100	C	Plus	1,100
B	Minus	990	B	Minus	990
B	Normal	1,100	B	Normal	1,100
B	Plus	1,210	B	Plus	1,210
A	Minus	1,125	A	Minus	1,125
A	Normal	1,250	A	Normal	1,250
A	Plus	1,375	A	Plus	1,375

\* @ 0.1 - 0.5 ESP

WGPH4530AM					
Cooling Speed	Adjust Tap	CFM*	Heating Speed	Adjust Tap	CFM*
D	Minus	720	D	Minus	720
D	Normal	800	D	Normal	800
D	Plus	880	D	Plus	880
C	Minus	900	C	Minus	900
C	Normal	1,000	C	Normal	1,000
C	Plus	1,100	C	Plus	1,100
B	Minus	990	B	Minus	990
B	Normal	1,100	B	Normal	1,100
B	Plus	1,210	B	Plus	1,210
A	Minus	1,125	A	Minus	1,125
A	Normal	1,250	A	Normal	1,250
A	Plus	1,375	A	Plus	1,375

\* @ 0.1 - 0.5 ESP

WGPH4343AM					
Cooling Speed	Adjust Tap	CFM*	Heating Speed	Adjust Tap	CFM*
D	Minus	1,103	D	Minus	1,103
D	Normal	1,225	D	Normal	1,225
D	Plus	1,348	D	Plus	1,348
C	Minus	1,260	C	Minus**	1,260
C	Normal	1,400	C	Normal	1,400
C	Plus	1,540	C	Plus	1,540
B	Minus	1,530	B	Minus	1,530
B	Normal	1,700	B	Normal	1,700
B	Plus	1,870	B	Plus	1,870
A	Minus	1,620	A	Minus	1,620
A	Normal	1,800	A	Normal	1,800
A	Plus	1,980	A	Plus***	1,980

\* @ 0.1 - 0.5 ESP

\*\* Denotes factory setting for WGPH4343AM

\*\*\* Denotes factory setting for WGPH4349AM

# PRODUCT SPECIFICATIONS

## EVAPORATOR AIRFLOW DATA (CONT.)

WGPH4549AM					
Cooling Speed	Adjust Tap	CFM*	Heating Speed	Adjust Tap	CFM*
D	Minus	1,103	D	Minus	1,103
D	Normal	1,225	D	Normal	1,225
D	Plus	1,348	D	Plus	1,348
C	Minus	1,260	C	Minus**	1,260
C	Normal	1,400	C	Normal	1,400
C	Plus	1,540	C	Plus	1,540
B	Minus	1,530	B	Minus	1,530
B	Normal	1,700	B	Normal	1,700
B	Plus	1,870	B	Plus	1,870
A	Minus	1,620	A	Minus	1,620
A	Normal	1,800	A	Normal	1,800
A	Plus	1,980	A	Plus***	1,980

\* @ 0.1 - 0.5 ESP

\*\* Denotes factory setting for WGPH4543AM

\*\*\* Denotes factory setting for WGPH4549AM

WGPH4560AM					
Cooling Speed	Adjust Tap	CFM*	Heating Speed	Adjust Tap	CFM*
D	Minus	1,260	D	Minus	1,260
D	Normal	1,400	D	Normal	1,400
D	Plus	1,540	D	Plus	1,540
C	Minus	1,440	C	Minus	1,440
C	Normal	1,600	C	Normal	1,600
C	Plus	1,760	C	Plus	1,760
B	Minus	1,620	B	Minus	1,620
B	Normal	1,800	B	Normal	1,800
B	Plus	1,980	B	Plus	1,980
A	Minus	1,800	A	Minus	1,800
A	Normal	2,000	A	Normal	2,000
A	Plus	2,200	A	Plus	2,200

\* @ 0.1 - 0.5 ESP

EXPANDED COOLING DATA — WPH4524AM

IDB	Airflow	Outdoor Ambient Temperature																							
		65°F				75°F				85°F				95°F				105°F				115°F			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	MBh	23.5	24.4	26.7	-	23.0	23.8	26.1	-	22.4	23.2	25.5	-	21.9	22.7	24.8	-	20.8	21.5	23.6	-	19.3	20.0	21.9	-
	S/T	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.88	0.73	0.51	-	0.88	0.74	0.51	-
	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-
	kW	1.60	1.63	1.68	-	1.72	1.76	1.81	-	1.82	1.86	1.92	-	1.91	1.96	2.02	-	1.99	2.04	2.10	-	2.06	2.10	2.17	-
	Amps	7.5	7.7	7.9	-	8.0	8.2	8.4	-	8.5	8.7	8.9	-	9.0	9.2	9.4	-	9.5	9.7	9.9	-	9.9	10.1	10.4	-
	Hi PR	216	232	245	-	242	261	275	-	275	296	313	-	314	337	356	-	353	380	401	-	390	419	443	-
	Lo PR	106	113	124	-	112	120	131	-	117	124	136	-	123	131	143	-	129	137	149	-	133	142	155	-
	MBh	22.8	23.7	25.9	-	22.3	23.1	25.3	-	21.8	22.6	24.7	-	21.2	22.0	24.1	-	20.2	20.9	22.9	-	18.7	19.4	21.2	-
	S/T	0.73	0.61	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.84	0.70	0.48	-	0.84	0.70	0.49	-
	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
kW	1.59	1.62	1.67	-	1.71	1.74	1.80	-	1.81	1.85	1.90	-	1.90	1.94	2.00	-	1.98	2.02	2.08	-	2.04	2.09	2.15	-	
Amps	7.5	7.6	7.8	-	8.0	8.1	8.3	-	8.5	8.6	8.9	-	8.9	9.1	9.4	-	9.4	9.6	9.8	-	9.8	10.0	10.3	-	
Hi PR	214	230	243	-	240	258	272	-	273	293	310	-	310	334	353	-	349	376	397	-	386	415	439	-	
Lo PR	105	112	122	-	111	118	129	-	116	123	134	-	122	129	141	-	127	135	148	-	132	140	153	-	
MBh	21.1	21.8	23.9	-	20.6	21.3	23.4	-	20.1	20.8	22.8	-	19.6	20.3	22.3	-	18.6	19.3	21.1	-	17.3	17.9	19.6	-	
S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-	
ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-	
kW	1.55	1.59	1.63	-	1.67	1.70	1.75	-	1.77	1.80	1.86	-	1.85	1.89	1.95	-	1.93	1.97	2.03	-	1.99	2.04	2.10	-	
Amps	7.3	7.5	7.7	-	7.8	7.9	8.1	-	8.3	8.5	8.7	-	8.7	8.9	9.1	-	9.2	9.4	9.6	-	9.6	9.8	10.1	-	
Hi PR	207	223	235	-	232	250	264	-	264	285	300	-	301	324	342	-	339	365	385	-	374	403	425	-	
Lo PR	102	109	119	-	108	115	125	-	112	119	130	-	118	125	137	-	124	131	143	-	128	136	148	-	

75	MBh	23.9	24.6	26.7	28.6	23.4	24.1	26.0	27.9	22.8	23.5	25.4	27.3	22.2	22.9	24.8	26.6	21.1	21.8	23.6	25.3	19.6	20.2	21.8	23.4
	S/T	0.88	0.78	0.59	0.38	0.91	0.81	0.61	0.40	0.93	0.83	0.63	0.41	0.96	0.86	0.65	0.42	1.00	0.89	0.67	0.43	1.00	0.90	0.68	0.44
	ΔT	20	18	15	10	20	19	15	10	20	19	15	10	20	19	15	11	20	18	15	10	19	17	14	10
	kW	1.62	1.65	1.70	1.75	1.73	1.77	1.82	1.88	1.84	1.88	1.94	2.00	1.93	1.97	2.03	2.10	2.01	2.05	2.12	2.19	2.08	2.12	2.19	2.26
	Amps	7.6	7.7	7.9	8.2	8.1	8.2	8.4	8.7	8.6	8.8	9.0	9.3	9.1	9.3	9.5	9.8	9.5	9.7	10.0	10.3	10.0	10.2	10.5	10.8
	Hi PR	218	235	248	258	245	263	278	290	278	299	316	330	317	341	360	375	356	383	405	422	394	424	447	467
	Lo PR	107	114	125	133	114	121	132	140	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166
	MBh	23.2	23.9	25.9	27.8	22.7	23.4	25.3	27.1	22.1	22.8	24.7	26.5	21.6	22.2	24.1	25.8	20.5	21.1	22.9	24.5	19.0	19.6	21.2	22.7
	S/T	0.84	0.75	0.57	0.36	0.87	0.77	0.59	0.38	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42
	ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
kW	1.60	1.64	1.68	1.74	1.72	1.76	1.81	1.87	1.82	1.86	1.92	1.98	1.92	1.96	2.02	2.08	1.99	2.04	2.10	2.17	2.06	2.10	2.17	2.24	
Amps	7.5	7.7	7.9	8.1	8.0	8.2	8.4	8.6	8.5	8.7	8.9	9.2	9.0	9.2	9.4	9.7	9.5	9.7	9.9	10.2	9.9	10.1	10.4	10.7	
Hi PR	216	232	245	256	242	261	275	287	275	296	313	326	314	338	356	372	353	380	401	418	390	420	443	462	
Lo PR	106	113	124	132	112	120	131	139	117	124	136	145	123	131	143	152	129	137	149	159	133	142	155	165	
MBh	21.4	22.1	23.9	25.6	20.9	21.6	23.3	25.0	20.4	21.0	22.8	24.4	19.9	20.5	22.2	23.8	18.9	19.5	21.1	22.7	17.5	18.1	19.6	21.0	
S/T	0.81	0.72	0.55	0.35	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.92	0.82	0.62	0.40	0.92	0.83	0.63	0.40	
ΔT	21	19	16	11	21	20	16	11	21	20	16	11	22	20	16	11	22	20	16	11	20	18	15	10	
kW	1.57	1.60	1.65	1.70	1.68	1.71	1.77	1.82	1.78	1.82	1.87	1.93	1.87	1.91	1.97	2.03	1.94	1.99	2.05	2.12	2.01	2.05	2.12	2.19	
Amps	7.4	7.5	7.7	7.9	7.8	8.0	8.2	8.4	8.4	8.5	8.7	9.0	8.8	9.0	9.2	9.5	9.3	9.4	9.7	10.0	9.7	9.9	10.2	10.5	
Hi PR	209	225	238	248	235	253	267	278	267	287	304	317	304	327	346	361	342	368	389	406	378	407	430	448	
Lo PR	103	110	120	128	109	116	127	135	113	121	132	140	119	127	138	147	125	133	145	154	129	137	150	160	

IDB: Entering Indoor Dry Bulb Temperature High & low pressures are measured at the liquid & suction service valves. Shaded area reflects ACCA (TVA) conditions. kW = Total system power  
 Amps = outdoor unit amps (comp. + evaporator + compressor fan) Design Subcooling, 10±2 °F @ liquid access fitting connection AHR1 95 test conditions; design Superheat 15-18°F @ compressor suction access fitting connection

# PRODUCT SPECIFICATIONS

## EXPANDED COOLING DATA — WPH4524AM (CONT.)

IDB	Airflow	Outdoor Ambient Temperature																								
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
80	970	MBh	24.3	24.9	26.6	28.4	23.8	24.3	26.0	27.7	23.2	23.7	25.3	27.1	22.6	23.1	24.7	26.4	21.5	22.0	23.5	25.1	19.9	20.4	21.8	23.3
		S/T	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.63
	ΔT	22	21	18	15	22	22	19	15	21	22	19	15	21	22	19	15	20	21	19	15	19	19	17	14	
	kW	1.63	1.66	1.71	1.76	1.75	1.78	1.84	1.90	1.85	1.89	1.95	2.01	1.95	1.99	2.05	2.12	2.03	2.07	2.13	2.20	2.09	2.14	2.21	2.28	
	Amps	7.7	7.8	8.0	8.2	8.1	8.3	8.5	8.7	8.7	8.8	9.1	9.3	9.1	9.3	9.6	9.9	9.6	9.8	10.1	10.4	10.1	10.3	10.6	10.9	
	Hi-PR	220	237	250	261	247	266	281	293	281	302	319	333	320	344	364	379	360	387	409	427	398	428	452	471	
	Lo-PR	109	116	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168	
	MBh	23.6	24.1	25.8	27.6	23.1	23.6	25.2	26.9	22.5	23.0	24.6	26.3	22.0	22.5	24.0	25.7	20.9	21.3	22.8	24.4	19.3	19.8	21.1	22.6	
	S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.97	0.91	0.74	0.56	1.00	0.94	0.77	0.57	1.00	0.98	0.80	0.60	1.00	0.99	0.80	0.60	
	ΔT	23	22	19	15	23	22	20	16	23	22	20	16	24	23	20	16	22	22	19	16	21	21	18	14	
	kW	1.62	1.65	1.70	1.75	1.73	1.77	1.82	1.88	1.84	1.88	1.94	2.00	1.93	1.97	2.03	2.10	2.01	2.05	2.12	2.19	2.08	2.12	2.19	2.26	
	Amps	7.6	7.7	7.9	8.2	8.1	8.2	8.4	8.7	8.6	8.8	9.0	9.3	9.1	9.3	9.5	9.8	9.5	9.7	10.0	10.3	10.0	10.2	10.5	10.8	
Hi-PR	218	235	248	258	245	263	278	290	278	299	316	330	317	341	360	375	356	384	405	422	394	424	447	467		
Lo-PR	107	114	125	133	114	121	132	140	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166		
MBh	21.8	22.3	23.8	25.5	21.3	21.8	23.3	24.9	20.8	21.3	22.7	24.3	20.3	20.7	22.2	23.7	19.3	19.7	21.0	22.5	17.9	18.2	19.5	20.8		
S/T	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.01	0.94	0.77	0.57	1.01	0.95	0.77	0.58		
ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15		
kW	1.58	1.61	1.66	1.71	1.69	1.73	1.78	1.84	1.79	1.83	1.89	1.95	1.88	1.92	1.98	2.05	1.96	2.00	2.07	2.13	2.03	2.07	2.14	2.21		
Amps	7.4	7.6	7.8	8.0	7.9	8.0	8.2	8.5	8.4	8.6	8.8	9.1	8.9	9.0	9.3	9.6	9.3	9.5	9.8	10.1	9.8	10.0	10.2	10.6		
Hi-PR	211	228	240	251	237	255	270	281	270	290	307	320	307	331	349	364	346	372	393	410	382	411	434	453		
Lo-PR	104	111	121	129	110	117	128	136	114	122	133	142	120	128	140	149	126	134	146	156	130	139	151	161		

85	970	MBh	24.8	25.2	26.4	28.2	24.2	24.7	25.8	27.6	23.6	24.1	25.2	26.9	23.0	23.5	24.6	26.2	21.9	22.3	23.4	24.9	20.3	20.7	21.6	23.1
		S/T	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.93	0.76	1.00	1.00	0.96	0.78	1.00	1.00	0.83	0.61	1.00	1.00	0.83	0.61
	ΔT	23	23	22	19	23	23	22	19	22	23	22	19	22	22	22	19	21	21	22	19	19	20	21	18	
	kW	1.64	1.67	1.72	1.78	1.76	1.80	1.85	1.91	1.87	1.91	1.97	2.03	1.96	2.00	2.07	2.13	2.04	2.09	2.15	2.22	2.11	2.16	2.23	2.30	
	Amps	7.7	7.8	8.0	8.3	8.2	8.3	8.5	8.8	8.7	8.9	9.1	9.4	9.2	9.4	9.6	9.9	9.7	9.9	10.1	10.5	10.2	10.4	10.6	11.0	
	Hi-PR	222	239	253	264	249	268	284	296	284	305	322	336	323	348	367	383	364	391	413	431	402	432	456	476	
	Lo-PR	110	117	127	136	116	123	135	143	120	128	140	149	126	135	147	156	133	141	154	164	137	146	159	170	
	MBh	24.0	24.5	25.7	27.4	23.5	23.9	25.1	26.8	22.9	23.4	24.5	26.1	22.4	22.8	23.9	25.5	21.2	21.7	22.7	24.2	19.7	20.1	21.0	22.4	
	S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78	
	ΔT	25	24	23	20	25	25	23	20	25	25	23	20	24	24	23	20	24	23	23	20	21	21	22	19	
	kW	1.63	1.66	1.71	1.76	1.75	1.78	1.84	1.90	1.85	1.89	1.95	2.01	1.95	1.99	2.05	2.12	2.03	2.07	2.13	2.20	2.09	2.14	2.21	2.28	
	Amps	7.7	7.8	8.0	8.2	8.1	8.3	8.5	8.7	8.7	8.8	9.1	9.3	9.1	9.3	9.6	9.9	9.6	9.8	10.1	10.4	10.1	10.3	10.6	10.9	
Hi-PR	220	237	250	261	247	266	281	293	281	302	319	333	320	344	364	379	360	387	409	427	398	428	452	471		
Lo-PR	109	116	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168		
MBh	22.2	22.6	23.7	25.3	21.7	22.1	23.1	24.7	21.2	21.6	22.6	24.1	20.6	21.0	22.0	23.5	19.6	20.0	20.9	22.3	18.2	18.5	19.4	20.7		
S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.98	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.93	0.75		
ΔT	25	25	23	20	26	25	24	21	26	25	24	21	25	25	24	21	25	24	24	21	24	23	22	19		
kW	1.59	1.62	1.67	1.72	1.71	1.74	1.79	1.85	1.81	1.85	1.90	1.96	1.90	1.94	2.00	2.07	1.98	2.02	2.08	2.15	2.04	2.09	2.15	2.22		
Amps	7.5	7.6	7.8	8.0	8.0	8.1	8.3	8.5	8.5	8.6	8.9	9.1	8.9	9.1	9.4	9.6	9.4	9.6	9.8	10.1	9.8	10.0	10.3	10.6		
Hi-PR	214	230	243	253	240	258	272	284	273	293	310	323	310	334	353	368	349	376	397	414	386	415	438	457		
Lo-PR	105	112	122	130	111	118	129	138	116	123	134	143	121	129	141	150	127	135	148	157	132	140	153	163		

IDB: Entering Indoor Dry Bulb Temperature  
 High & low pressures are measured at the liquid & suction service valves.  
 Amps = outdoor unit amps (comp. + evaporator + compressor fan)

Shaded area reflects AHR1 Rating conditions  
 Design Subcooling, 10±2 °F @ liquid access fitting connection AHR1  
 95 test conditions; design Superheat 15-18°F @ compressor suction access fitting connection

kW = Total system power



EXPANDED COOLING DATA — WGP4530AM

IDB	Airflow	Outdoor Ambient Temperature																									
		65°F				75°F				85°F				95°F				105°F				115°F					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
70	1125	MBh	28.4	29.5	32.3	-	27.8	28.8	31.5	-	27.1	28.1	30.8	-	26.4	27.4	30.0	-	25.1	26.0	28.5	-	23.3	24.1	26.4	-	
		S/T	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.88	0.73	0.51	-	0.88	0.74	0.51	-	
		ΔT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	
		KW	1.88	1.92	1.99	-	2.03	2.07	2.14	-	2.16	2.21	2.28	-	2.27	2.32	2.40	-	2.37	2.42	2.50	-	2.45	2.51	2.59	-	
		Amps	8.1	8.2	8.5	-	8.6	8.8	9.1	-	9.3	9.5	9.8	-	9.9	10.1	10.4	-	10.5	10.7	11.0	-	11.0	11.3	11.6	-	
		HI PR	229	246	260	-	257	276	292	-	292	314	332	-	333	358	378	-	374	403	425	-	414	445	470	-	
	1000	875	LO PR	109	116	127	-	116	123	134	-	120	128	139	-	126	134	146	-	132	141	154	-	137	145	159	-
			MBh	27.6	28.6	31.3	-	26.9	27.9	30.6	-	26.3	27.3	29.9	-	25.7	26.6	29.1	-	24.4	25.3	27.7	-	22.6	23.4	25.6	-
			S/T	0.73	0.61	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.84	0.70	0.48	-	0.84	0.70	0.49	-
			ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	15	12	-
			KW	1.87	1.91	1.97	-	2.01	2.06	2.12	-	2.14	2.19	2.26	-	2.25	2.30	2.38	-	2.35	2.40	2.48	-	2.43	2.49	2.57	-
			Amps	8.0	8.2	8.4	-	8.6	8.7	9.0	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-	10.4	10.6	10.9	-	10.9	11.2	11.5	-
875	-	HI PR	227	244	258	-	254	274	289	-	289	311	329	-	329	355	374	-	371	399	421	-	409	441	465	-	
		LO PR	108	115	126	-	114	122	133	-	119	126	138	-	125	133	145	-	131	139	152	-	135	144	157	-	
		MBh	25.5	26.4	28.9	-	24.9	25.8	28.2	-	24.3	25.2	27.6	-	23.7	24.6	26.9	-	22.5	23.3	25.6	-	20.8	21.6	23.7	-	
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-	
		ΔT	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-	
		KW	1.82	1.86	1.92	-	1.96	2.01	2.07	-	2.09	2.13	2.20	-	2.20	2.25	2.32	-	2.29	2.34	2.42	-	2.37	2.42	2.50	-	
75	1125	Amps	7.8	8.0	8.2	-	8.4	8.5	8.8	-	9.0	9.2	9.5	-	9.6	9.8	10.1	-	10.1	10.3	10.7	-	10.7	10.9	11.2	-	
		HI PR	220	237	250	-	247	265	280	-	281	302	319	-	320	344	363	-	359	387	409	-	397	427	451	-	
		LO PR	105	112	122	-	111	118	129	-	115	123	134	-	121	129	141	-	127	135	147	-	131	140	153	-	
		MBh	28.9	29.8	32.2	34.6	28.2	29.1	31.5	33.8	27.6	28.4	30.7	33.0	26.9	27.7	30.0	32.2	25.5	26.3	28.5	30.5	23.7	24.4	26.4	28.3	
		S/T	0.88	0.78	0.59	0.38	0.91	0.81	0.61	0.40	0.93	0.83	0.63	0.41	0.96	0.86	0.65	0.42	1.00	0.89	0.67	0.43	1.00	0.90	0.68	0.44	
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10	
1000	875	KW	1.90	1.94	2.00	2.07	2.05	2.09	2.16	2.23	2.18	2.22	2.30	2.37	2.29	2.34	2.42	2.50	2.39	2.44	2.52	2.61	2.47	2.53	2.61	2.70	
		Amps	8.1	8.3	8.5	8.8	8.7	8.9	9.2	9.5	9.4	9.6	9.9	10.2	10.0	10.2	10.5	10.9	10.6	10.8	11.1	11.5	11.1	11.4	11.7	12.2	
		HI PR	231	249	263	274	259	279	295	308	295	318	335	350	336	362	382	398	378	407	430	448	418	450	475	495	
		LO PR	110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171	
		MBh	28.1	28.9	31.3	33.6	27.4	28.2	30.5	32.8	26.8	27.5	29.8	32.0	26.1	26.9	29.1	31.2	24.8	25.5	27.6	29.7	23.0	23.6	25.6	27.5	
		S/T	0.84	0.75	0.57	0.36	0.87	0.77	0.59	0.38	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42	
75	1125	ΔT	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	20	19	15	11	
		KW	1.88	1.92	1.99	2.05	2.03	2.07	2.14	2.21	2.16	2.21	2.28	2.35	2.27	2.32	2.40	2.48	2.37	2.42	2.50	2.59	2.45	2.51	2.59	2.68	
		Amps	8.1	8.2	8.5	8.7	8.6	8.8	9.1	9.4	9.3	9.5	9.8	10.1	9.9	10.1	10.4	10.8	10.5	10.7	11.0	11.4	11.0	11.3	11.6	12.0	
		HI PR	229	246	260	271	257	276	292	305	292	314	332	346	333	358	378	394	374	403	425	444	414	445	470	490	
		LO PR	109	116	127	135	116	123	134	143	120	128	139	149	126	134	147	156	132	141	154	164	137	145	159	169	
		MBh	25.9	26.7	28.9	31.0	25.3	26.0	28.2	30.3	24.7	25.4	27.5	29.5	24.1	24.8	26.8	28.8	22.9	23.6	25.5	27.4	21.2	21.8	23.6	25.4	
875	-	S/T	0.81	0.72	0.55	0.35	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.92	0.82	0.62	0.40	0.92	0.83	0.63	0.40	
		ΔT	22	20	17	11	22	20	17	12	22	20	17	12	22	21	17	12	22	20	17	11	21	19	16	11	
		KW	1.84	1.88	1.94	2.00	1.98	2.02	2.09	2.16	2.11	2.15	2.22	2.30	2.22	2.26	2.34	2.42	2.31	2.36	2.44	2.52	2.39	2.44	2.53	2.61	
		Amps	7.9	8.0	8.3	8.5	8.4	8.6	8.9	9.2	9.1	9.3	9.5	9.9	9.6	9.8	10.1	10.5	10.2	10.4	10.7	11.1	10.8	11.0	11.3	11.7	
		HI PR	222	239	252	263	249	268	283	295	283	305	322	336	323	347	367	383	363	391	413	430	401	432	456	476	
		LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164	

High & low pressures are measured at the liquid & suction service valves.  
 Design Subcooling, 10±2 °F @ liquid access fitting connection AHRI 95 test conditions; design Superheat 15-18°F @ compressor suction access fitting connection

Staged area reflects ACCA (TVA) conditions

KW = Total system power

# PRODUCT SPECIFICATIONS

## EXPANDED COOLING DATA — WGP4530AM (CONT.)

IDB	Airflow	Outdoor Ambient Temperature																								
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
80	1125	MBh	29.4	30.1	32.1	34.3	28.7	29.4	31.4	33.5	28.0	28.7	30.6	32.7	27.4	28.0	29.9	31.9	26.0	26.6	28.4	30.3	24.1	24.6	26.3	28.1
		S/T	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.63
		ΔT	23	22	19	15	23	22	19	16	22	23	20	16	22	23	20	16	21	22	19	15	20	20	18	14
		KW	1.91	1.96	2.02	2.08	2.06	2.11	2.18	2.25	2.19	2.24	2.32	2.39	2.31	2.36	2.44	2.52	2.41	2.46	2.55	2.63	2.49	2.55	2.64	2.73
		Amps	8.2	8.4	8.6	8.9	8.8	9.0	9.2	9.5	9.5	9.7	10.0	10.3	10.0	10.3	10.6	11.0	10.6	10.9	11.2	11.6	11.2	11.5	11.8	12.3
		HI/PR	234	251	265	277	262	282	298	311	298	321	339	353	340	365	386	402	382	411	434	453	422	454	480	500
	1000	LO PR	112	119	130	138	118	125	137	146	123	130	142	152	129	137	149	159	135	143	157	167	140	148	162	173
		MBh	28.6	29.2	31.2	33.3	27.9	28.5	30.5	32.6	27.2	27.8	29.7	31.8	26.6	27.1	29.0	31.0	25.2	25.8	27.6	29.5	23.4	23.9	25.5	27.3
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.97	0.91	0.74	0.56	1.00	0.94	0.77	0.57	1.00	0.98	0.80	0.60	1.00	0.99	0.80	0.60
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	24	21	17	23	23	20	16	21	22	19	15
		KW	1.90	1.94	2.00	2.07	2.05	2.09	2.16	2.23	2.18	2.22	2.30	2.37	2.29	2.34	2.42	2.50	2.39	2.44	2.52	2.61	2.47	2.53	2.61	2.70
		Amps	8.1	8.3	8.5	8.8	8.7	8.9	9.2	9.5	9.4	9.6	9.9	10.2	10.0	10.2	10.5	10.9	10.6	10.8	11.1	11.5	11.1	11.4	11.7	12.2
875	HI/PR	231	249	263	274	260	279	295	308	295	318	335	350	336	362	382	398	378	407	430	448	418	450	475	495	
	LO PR	110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171	
	MBh	26.4	26.9	28.8	30.8	25.7	26.3	28.1	30.0	25.1	25.7	27.4	29.3	24.5	25.1	26.8	28.6	23.3	23.8	25.4	27.2	21.6	22.0	23.6	25.2	
	S/T	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.01	0.94	0.77	0.57	1.01	0.95	0.77	0.58	
	ΔT	24	23	20	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15	
	Amps	7.9	8.1	8.3	8.6	8.5	8.7	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.2	10.6	10.3	10.5	10.8	11.2	10.8	11.1	11.4	11.8	
85	1125	HI/PR	224	241	255	266	252	271	286	298	286	308	325	339	326	351	371	386	367	395	417	435	405	436	461	480
		LO PR	107	114	124	133	113	120	132	140	118	125	137	146	124	132	144	153	130	138	150	160	134	143	156	166
		MBh	29.9	30.5	31.9	34.1	29.2	29.8	31.2	33.3	28.5	29.1	30.5	32.5	27.8	28.4	29.7	31.7	26.4	27.0	28.2	30.1	24.5	25.0	26.2	27.9
		S/T	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.93	0.76	1.00	1.00	0.96	0.78	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.82
		ΔT	24	24	23	20	24	24	23	20	23	24	23	20	23	23	23	20	22	22	23	20	20	20	21	19
		Amps	1.93	1.97	2.03	2.10	2.08	2.13	2.19	2.27	2.21	2.26	2.34	2.41	2.33	2.38	2.46	2.54	2.43	2.48	2.57	2.65	2.52	2.57	2.66	2.75
	1000	HI/PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	406	386	415	438	457	426	459	484	505
		LO PR	113	120	131	139	119	127	138	147	124	132	144	153	130	138	151	161	136	145	158	169	141	150	164	174
		MBh	29.1	29.6	31.0	33.1	28.4	28.9	30.3	32.3	27.7	28.2	29.6	31.6	27.0	27.6	28.9	30.8	25.7	26.2	27.4	29.2	23.8	24.2	25.4	27.1
		S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		ΔT	26	25	24	21	26	26	24	21	25	26	24	21	25	25	24	21	24	24	24	21	22	22	22	19
		Amps	1.91	1.96	2.02	2.08	2.06	2.11	2.18	2.25	2.19	2.24	2.32	2.39	2.31	2.36	2.44	2.52	2.41	2.46	2.55	2.63	2.49	2.55	2.64	2.73
875	HI/PR	234	251	265	277	262	282	298	311	298	321	339	353	340	365	386	402	382	411	434	453	422	454	480	500	
	LO PR	112	119	130	138	118	125	137	146	123	130	142	152	129	137	149	159	135	143	157	167	140	148	162	173	
	MBh	26.8	27.3	28.6	30.5	26.2	26.7	28.0	29.8	25.6	26.1	27.3	29.1	24.9	25.4	26.6	28.4	23.7	24.2	25.3	27.0	22.0	22.4	23.4	25.0	
	S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.98	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.93	0.75	
	ΔT	26	26	24	21	26	26	25	21	26	26	25	21	26	26	25	21	25	25	24	21	23	24	23	20	
	Amps	1.87	1.91	1.97	2.03	2.01	2.06	2.12	2.19	2.14	2.19	2.26	2.33	2.25	2.30	2.38	2.46	2.35	2.40	2.48	2.56	2.43	2.49	2.57	2.66	

IDB: Entering Indoor Dry Bulb Temperature  
 Amps = outdoor unit amps (comp.+ evaporator + compressor fan)  
 High & low pressures are measured at the liquid & suction service valves.  
 Shaded area reflects AHRI Rating conditions  
 Design Subcooling, 10-2 °F @ liquid access fitting connection AHRI 95 test conditions; design Superheat 15-18°F @ compressor suction access fitting connection  
 kW = Total system power

EXPANDED COOLING DATA — WGP4536AM

IDB	Airflow	Outdoor Ambient Temperature												Entering Indoor Wet Bulb Temperature												
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	1350	MBh	34.6	35.9	39.3	-	33.8	35.1	38.4	-	33.0	34.2	37.5	-	32.2	33.4	36.6	-	30.6	31.7	34.8	-	28.4	29.4	32.2	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	
	kW	2.26	2.31	2.38	-	2.44	2.49	2.57	-	2.59	2.65	2.73	-	2.72	2.78	2.88	-	2.84	2.90	3.00	-	2.94	3.00	3.10	-	
	Amps	10.8	11.0	11.3	-	11.5	11.7	12.0	-	12.3	12.5	12.9	-	13.0	13.2	13.6	-	13.7	13.9	14.3	-	14.3	14.6	15.0	-	
	Hi-PR	228	245	259	-	256	275	290	-	291	313	330	-	331	356	376	-	372	401	423	-	411	443	468	-	
	Lo-PR	107	114	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	138	151	-	134	143	156	-	
	MBh	33.6	34.9	38.2	-	32.9	34.1	37.3	-	32.1	33.2	36.4	-	31.3	32.4	35.5	-	29.7	30.8	33.8	-	27.5	28.5	31.3	-	
	S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-	
	ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-	
kW	2.25	2.29	2.36	-	2.42	2.47	2.55	-	2.57	2.62	2.71	-	2.70	2.76	2.85	-	2.82	2.88	2.97	-	2.91	2.98	3.08	-		
Amps	10.7	10.9	11.2	-	11.4	11.6	11.9	-	12.2	12.4	12.8	-	12.9	13.1	13.5	-	13.5	13.8	14.2	-	14.2	14.5	14.9	-		
Hi-PR	225	243	256	-	253	272	287	-	288	310	327	-	328	353	372	-	369	397	419	-	407	438	463	-		
Lo-PR	106	113	124	-	112	120	131	-	117	124	136	-	123	131	142	-	129	137	149	-	133	141	154	-		
MBh	31.1	32.2	35.3	-	30.3	31.4	34.4	-	29.6	30.7	33.6	-	28.9	29.9	32.8	-	27.4	28.4	31.2	-	25.4	26.3	28.9	-		
S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-		
ΔT	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-		
kW	2.19	2.24	2.31	-	2.36	2.41	2.49	-	2.51	2.56	2.64	-	2.64	2.69	2.78	-	2.75	2.81	2.90	-	2.84	2.90	3.00	-		
Amps	10.5	10.7	11.0	-	11.2	11.4	11.7	-	11.9	12.2	12.5	-	12.6	12.8	13.2	-	13.2	13.5	13.9	-	13.9	14.2	14.6	-		
Hi-PR	219	235	249	-	245	264	279	-	279	300	317	-	318	342	361	-	358	385	406	-	395	425	449	-		
Lo-PR	103	110	120	-	109	116	127	-	113	121	132	-	119	127	138	-	125	133	145	-	129	137	150	-		

75	1350	MBh	35.2	36.3	39.3	42.1	34.4	35.4	38.4	41.2	33.6	34.6	37.4	40.2	32.8	33.7	36.5	39.2	31.1	32.1	34.7	37.2	28.8	29.7	32.1	34.5
		S/T	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.99	0.88	0.67	0.43	1.00	0.89	0.67	0.43
	ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10	
	kW	2.28	2.33	2.40	2.48	2.46	2.51	2.59	2.67	2.61	2.67	2.75	2.85	2.75	2.81	2.90	3.00	2.86	2.93	3.02	3.13	2.96	3.03	3.13	3.24	
	Amps	10.9	11.1	11.4	11.7	11.6	11.8	12.1	12.5	12.4	12.6	13.0	13.4	13.1	13.3	13.7	14.1	13.8	14.0	14.4	14.9	14.4	14.7	15.2	15.6	
	Hi-PR	230	248	261	273	258	278	293	306	294	316	334	348	334	360	380	396	376	405	427	446	416	447	472	493	
	Lo-PR	109	115	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168	
	MBh	34.2	35.2	38.1	40.9	33.4	34.4	37.2	40.0	32.6	33.6	36.4	39.0	31.8	32.8	35.5	38.1	30.2	31.1	33.7	36.2	28.0	28.8	31.2	33.5	
	S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41	
	ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	16	11	20	19	15	11	
kW	2.26	2.31	2.38	2.46	2.44	2.49	2.57	2.65	2.59	2.65	2.73	2.82	2.72	2.78	2.88	2.97	2.84	2.90	3.00	3.10	2.94	3.00	3.10	3.21		
Amps	10.8	11.0	11.3	11.6	11.5	11.7	12.0	12.4	12.3	12.5	12.9	13.3	13.0	13.2	13.6	14.0	13.7	13.9	14.3	14.8	14.3	14.6	15.0	15.5		
Hi-PR	228	245	259	270	256	275	290	303	291	313	330	345	331	356	376	392	372	401	423	441	412	443	468	488		
Lo-PR	107	114	125	133	114	121	132	140	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166		
MBh	31.6	32.5	35.2	37.8	30.8	31.8	34.4	36.9	30.1	31.0	33.6	36.0	29.4	30.2	32.7	35.1	27.9	28.7	31.1	33.4	25.8	26.6	28.8	30.9		
S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40		
ΔT	22	20	17	11	22	21	17	12	22	21	17	12	23	21	17	12	23	20	17	12	21	19	16	11		
kW	2.21	2.26	2.33	2.40	2.38	2.43	2.51	2.59	2.53	2.58	2.66	2.75	2.66	2.72	2.80	2.90	2.77	2.83	2.92	3.02	2.86	2.93	3.02	3.13		
Amps	10.6	10.8	11.1	11.4	11.2	11.5	11.8	12.1	12.0	12.2	12.6	13.0	12.7	12.9	13.3	13.7	13.3	13.6	14.0	14.4	14.0	14.3	14.7	15.2		
Hi-PR	221	238	251	262	248	267	282	294	282	303	320	334	321	346	365	381	361	389	411	428	399	430	454	473		
Lo-PR	104	111	121	129	110	117	128	136	114	122	133	142	120	128	140	149	126	134	146	156	130	139	151	161		

IDB: Entering Indoor Dry Bulb Temperature  
 Amps = outdoor unit amps (comp. + evaporator + compressor fan)  
 High & low pressures are measured at the liquid & suction service valves.  
 Shaded area reflects ACCA (TVA) conditions  
 Design Subcooling, 10±2 °F @ liquid access fitting connection AHR1 95 test conditions; design Superheat 15-18°F @ compressor suction access fitting connection  
 kW = Total system power

# PRODUCT SPECIFICATIONS

## EXPANDED COOLING DATA — WGP4536AM (CONT.)

IDB	Airflow	Outdoor Ambient Temperature																									
		65°F				75°F				85°F				95°F				105°F				115°F					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
80	1350	MBh	35.9	36.6	39.2	41.9	35.0	35.8	38.2	40.9	34.2	34.9	37.3	39.9	33.4	34.1	36.4	38.9	31.7	32.4	34.6	37.0	29.4	30.0	32.1	34.3	
		S/T	0.95	0.89	0.73	0.54	1.00	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62	
	ΔT	23	22	19	15	24	23	20	16	23	23	20	16	23	23	20	16	22	22	19	16	20	20	18	15		
	1200	kW	2.30	2.35	2.42	2.50	2.48	2.53	2.61	2.70	2.63	2.69	2.78	2.87	2.77	2.83	2.92	3.02	2.89	2.95	3.05	3.15	2.99	3.05	3.16	3.26	
		Amps	11.0	11.2	11.5	11.8	11.7	11.9	12.2	12.6	12.5	12.7	13.1	13.5	13.2	13.4	13.8	14.2	13.9	14.2	14.5	15.0	14.6	14.9	15.3	15.8	
	1050	Hi-PR	232	250	264	275	261	281	296	309	297	319	337	351	338	363	384	400	380	409	432	450	420	452	477	498	
		Lo-PR	110	117	127	136	116	123	135	143	120	128	140	149	126	135	147	156	133	141	154	164	137	146	159	170	
	85	1350	MBh	34.8	35.6	38.0	40.6	34.0	34.8	37.1	39.7	33.2	33.9	36.2	38.7	32.4	33.1	35.4	37.8	30.8	31.4	33.6	35.9	28.5	29.1	31.1	33.3
			S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59
		ΔT	24	23	20	16	25	23	20	16	25	24	20	16	25	24	21	16	24	23	20	16	22	22	19	15	
1200		kW	2.28	2.33	2.40	2.48	2.46	2.51	2.59	2.67	2.61	2.67	2.75	2.85	2.75	2.81	2.90	3.00	2.86	2.93	3.02	3.13	2.96	3.03	3.13	3.24	
		Amps	10.9	11.1	11.4	11.7	11.6	11.8	12.1	12.5	12.4	12.6	13.0	13.4	13.1	13.3	13.7	14.1	13.8	14.0	14.4	14.9	14.4	14.7	15.2	15.6	
1050		Hi-PR	230	248	261	273	258	278	293	306	294	316	334	348	334	360	380	396	376	405	428	446	416	447	472	493	
		Lo-PR	109	115	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168	
85		1350	MBh	32.1	32.8	35.1	37.5	31.4	32.1	34.3	36.6	30.6	31.3	33.5	35.8	29.9	30.5	32.6	34.9	28.4	29.0	31.0	33.1	26.3	26.9	28.7	30.7
			S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.94	0.77	0.57
		ΔT	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	24	23	20	16	23	22	19	15	
	1200	kW	2.23	2.27	2.35	2.42	2.40	2.45	2.53	2.61	2.55	2.60	2.69	2.77	2.68	2.74	2.83	2.92	2.79	2.85	2.95	3.05	2.89	2.95	3.05	3.15	
		Amps	10.7	10.9	11.1	11.5	11.3	11.5	11.8	12.2	12.1	12.3	12.7	13.1	12.8	13.0	13.4	13.8	13.4	13.7	14.1	14.5	14.1	14.4	14.8	15.3	
	1050	Hi-PR	223	240	254	265	250	269	285	297	285	306	324	338	324	349	369	384	365	393	415	433	403	434	458	478	
		Lo-PR	105	112	122	130	111	118	129	138	116	123	134	143	121	129	141	150	127	135	148	157	132	140	153	163	
	85	1350	MBh	36.5	37.2	39.0	41.6	35.6	36.3	38.1	40.6	34.8	35.5	37.1	39.6	33.9	34.6	36.2	38.7	32.2	32.9	34.4	36.7	29.9	30.4	31.9	34.0
			S/T	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.81
		ΔT	25	24	23	20	24	25	23	20	24	24	23	20	23	24	24	20	22	22	23	20	20	21	22	19	
1200		kW	2.32	2.37	2.44	2.52	2.50	2.55	2.63	2.72	2.65	2.71	2.80	2.89	2.79	2.85	2.95	3.05	2.91	2.98	3.07	3.18	3.01	3.08	3.18	3.29	
		Amps	11.0	11.3	11.5	11.9	11.7	12.0	12.3	12.7	12.6	12.8	13.2	13.6	13.3	13.5	13.9	14.4	14.0	14.3	14.7	15.1	14.7	15.0	15.4	15.9	
1050		Hi-PR	235	253	267	278	263	283	299	312	300	322	340	355	341	367	388	404	384	413	436	455	424	456	482	503	
		Lo-PR	111	118	129	137	117	124	136	145	122	129	141	150	128	136	148	158	134	142	155	166	138	147	161	171	
85		1350	MBh	35.4	36.1	37.8	40.4	34.6	35.3	36.9	39.4	33.8	34.4	36.1	38.5	33.0	33.6	35.2	37.5	31.3	31.9	33.4	35.7	29.0	29.6	31.0	33.0
			S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77
		ΔT	26	25	24	21	26	26	24	21	26	26	24	21	25	26	25	21	24	24	24	21	22	23	23	20	
	1200	kW	2.30	2.35	2.42	2.50	2.48	2.53	2.61	2.70	2.63	2.69	2.78	2.87	2.77	2.83	2.92	3.02	2.89	2.95	3.05	3.15	2.99	3.05	3.16	3.26	
		Amps	11.0	11.2	11.5	11.8	11.7	11.9	12.2	12.6	12.5	12.7	13.1	13.5	13.2	13.4	13.8	14.2	13.9	14.2	14.5	15.0	14.6	14.9	15.3	15.8	
	1050	Hi-PR	232	250	264	275	261	281	296	309	297	319	337	351	338	363	384	400	380	409	432	450	420	452	477	498	
		Lo-PR	110	117	127	136	116	123	135	143	120	128	140	149	126	135	147	156	133	141	154	164	137	146	159	170	
	85	1350	MBh	32.7	33.3	34.9	37.2	31.9	32.6	34.1	36.4	31.2	31.8	33.3	35.5	30.4	31.0	32.5	34.6	28.9	29.5	30.9	32.9	26.8	27.3	28.6	30.5
			S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.74
		ΔT	26	26	24	21	27	26	25	21	27	26	25	21	27	26	25	22	25	26	25	21	23	24	23	20	
1200		kW	2.25	2.29	2.36	2.44	2.42	2.47	2.55	2.63	2.57	2.62	2.71	2.80	2.70	2.76	2.85	2.95	2.81	2.88	2.97	3.07	2.91	2.98	3.08	3.18	
		Amps	10.7	10.9	11.2	11.5	11.4	11.6	11.9	12.3	12.2	12.4	12.8	13.2	12.9	13.1	13.5	13.9	13.5	13.8	14.2	14.7	14.2	14.5	14.9	15.4	
1050		Hi-PR	225	243	256	267	253	272	287	300	288	310	327	341	328	353	372	388	369	397	419	437	407	438	463	483	
		Lo-PR	106	113	124	132	112	120	130	139	117	124	136	144	123	130	142	152	129	137	149	159	133	141	154	164	

IDB: Entering Indoor Dry Bulb Temperature  
 High & low pressures are measured at the liquid & suction service valves.  
 Amps = outdoor unit amps (comp. + evaporator + compressor fan)  
 Shaded area reflects AHRI Rating conditions  
 Design Subcooling, 10±2 °F @ liquid access fitting connection AHRI 95 test conditions; design Superheat 15-18°F @ compressor suction access fitting connection  
 kW = Total system power

EXPANDED COOLING DATA — WGP4543AM

IDB	Airflow	Outdoor Ambient Temperature																									
		65°F				75°F				85°F				95°F				105°F				115°F					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
70	1400	MBh	39.2	40.7	44.5	-	38.3	39.7	43.5	-	37.4	38.8	42.5	-	36.5	37.8	41.4	-	34.7	35.9	39.4	-	32.1	33.3	36.5	-	
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-	
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	
	1250	KW	2.51	2.57	2.65	-	2.71	2.77	2.85	-	2.88	2.94	3.04	-	3.03	3.10	3.20	-	3.16	3.23	3.33	-	3.27	3.34	3.45	-	
		Amps	11.9	12.2	12.5	-	12.8	13.0	13.4	-	13.7	14.0	14.4	-	14.5	14.8	15.3	-	15.3	15.7	16.1	-	16.1	16.5	17.0	-	
		HI PR	228	245	259	-	256	275	291	-	291	313	331	-	331	357	377	-	373	401	424	-	412	443	468	-	
	1200	LO PR	107	114	124	-	113	120	131	-	118	125	136	-	123	131	143	-	129	138	150	-	134	142	155	-	
		MBh	38.1	39.5	43.2	-	37.2	38.5	42.2	-	36.3	37.6	41.2	-	35.4	36.7	40.2	-	33.7	34.9	38.2	-	31.2	32.3	35.4	-	
		S/T	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.74	0.61	0.43	-	0.76	0.64	0.44	-	0.77	0.64	0.45	-	
	75	1400	ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-
			KW	2.49	2.55	2.63	-	2.69	2.74	2.83	-	2.85	2.92	3.01	-	3.00	3.07	3.17	-	3.13	3.20	3.31	-	3.24	3.31	3.42	-
			Amps	11.8	12.1	12.4	-	12.7	12.9	13.3	-	13.6	13.9	14.3	-	14.4	14.7	15.1	-	15.2	15.5	16.0	-	16.0	16.4	16.9	-
1250		HI PR	226	243	257	-	253	273	288	-	288	310	327	-	328	353	373	-	369	397	419	-	408	439	463	-	
		LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	132	141	154	-	
		MBh	37.7	39.1	42.8	-	36.8	38.2	41.8	-	35.9	37.3	40.8	-	35.1	36.3	39.8	-	33.3	34.5	37.8	-	30.9	32.0	35.0	-	
1200		S/T	0.66	0.55	0.38	-	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.76	0.64	0.44	-	
		ΔT	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-	
		KW	2.47	2.52	2.60	-	2.66	2.71	2.80	-	2.82	2.89	2.98	-	2.97	3.04	3.14	-	3.10	3.17	3.27	-	3.20	3.28	3.38	-	
75		1400	Amps	11.7	12.0	12.3	-	12.5	12.8	13.1	-	13.5	13.7	14.1	-	14.3	14.6	15.0	-	15.1	15.4	15.8	-	15.8	16.2	16.7	-
			HI PR	223	240	253	-	250	269	284	-	284	306	323	-	324	348	368	-	364	392	414	-	403	433	457	-
			LO PR	105	111	121	-	110	118	128	-	115	122	133	-	121	128	140	-	126	134	147	-	131	139	152	-
	1250	MBh	39.9	41.1	44.5	47.7	39.0	40.1	43.4	46.6	38.0	39.2	42.4	45.5	37.1	38.2	41.3	44.4	35.2	36.3	39.3	42.2	32.7	33.6	36.4	39.1	
		S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40	
		ΔT	21	19	16	11	21	20	16	11	21	20	16	11	21	20	16	11	21	19	16	11	20	18	15	10	
	1200	KW	2.53	2.59	2.67	2.76	2.73	2.79	2.88	2.97	2.90	2.97	3.06	3.16	3.05	3.12	3.22	3.33	3.18	3.25	3.36	3.48	3.30	3.37	3.48	3.60	
		Amps	12.0	12.3	12.6	13.0	12.9	13.1	13.5	13.9	13.8	14.1	14.5	15.0	14.6	15.0	15.4	15.9	15.5	15.8	16.3	16.8	16.3	16.6	17.1	17.7	
		HI PR	230	248	262	273	258	278	294	306	294	316	334	348	335	360	380	397	377	405	428	446	416	448	473	493	
	75	1400	LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
			MBh	38.7	39.9	43.2	46.3	37.8	38.9	42.2	45.2	36.9	38.0	41.1	44.2	36.0	37.1	40.1	43.1	34.2	35.2	38.1	40.9	31.7	32.6	35.3	37.9
			S/T	0.76	0.68	0.52	0.33	0.79	0.71	0.53	0.34	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.87	0.78	0.59	0.38	0.87	0.78	0.59	0.38
1250		ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	16	11	20	19	15	11	
		KW	2.51	2.57	2.65	2.73	2.71	2.77	2.86	2.95	2.88	2.94	3.04	3.14	3.03	3.10	3.20	3.31	3.16	3.23	3.33	3.45	3.27	3.34	3.45	3.57	
		Amps	11.9	12.2	12.5	12.9	12.8	13.0	13.4	13.8	13.7	14.0	14.4	14.9	14.5	14.8	15.3	15.8	15.3	15.7	16.1	16.7	16.1	16.5	17.0	17.6	
1200		HI PR	228	245	259	270	256	275	291	303	291	313	331	345	331	357	377	393	373	401	424	442	412	443	468	488	
		LO PR	107	114	124	132	113	120	131	140	118	125	137	145	123	131	143	153	129	138	150	160	134	142	155	166	
		MBh	38.3	39.5	42.7	45.9	37.4	38.6	41.7	44.8	36.6	37.6	40.7	43.7	35.7	36.7	39.7	42.7	33.9	34.9	37.8	40.5	31.4	32.3	35.0	37.5	
75		1400	S/T	0.75	0.67	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.87	0.77	0.59	0.38
			ΔT	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	21	17	12	21	19	16	11
			KW	2.49	2.54	2.62	2.71	2.68	2.74	2.82	2.92	2.85	2.91	3.00	3.10	3.00	3.06	3.16	3.27	3.12	3.19	3.30	3.41	3.23	3.30	3.41	3.53
	1250	Amps	11.8	12.1	12.4	12.8	12.6	12.9	13.3	13.7	13.6	13.8	14.2	14.7	14.4	14.7	15.1	15.6	15.2	15.5	16.0	16.5	16.0	16.3	16.8	17.4	
		HI PR	225	242	256	267	253	272	287	299	287	309	326	340	327	352	372	388	368	396	418	436	407	438	462	482	
		LO PR	106	112	123	131	112	119	130	138	116	123	135	144	122	130	142	151	128	136	148	158	132	141	153	163	

IDB: Entering Indoor Dry Bulb Temperature  
 Amps = outdoor unit amps (comp. + evaporator + compressor fan)  
 High & low pressures are measured at the liquid & suction service valves.  
 Shaded area reflects ACCA (TVA) conditions  
 Design Subcooling, 5-7 °F @ liquid access fitting connection AHR1 95 test conditions; design Superheat 15-18°F @ compressor suction access fitting connection  
 kW = Total system power

# PRODUCT SPECIFICATIONS

## EXPANDED COOLING DATA — WGP4543AM (CONT.)

IDB	Airflow	Outdoor Ambient Temperature																								
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
80	1400	MBh	40.6	41.5	44.3	47.4	39.7	40.5	43.3	46.3	38.7	39.6	42.3	45.2	37.8	38.6	41.2	44.1	35.9	36.7	39.2	41.9	33.2	34.0	36.3	38.8
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.94	0.76	0.57	1.00	0.94	0.77	0.57
		ΔT	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15
		kW	2.56	2.61	2.69	2.78	2.75	2.81	2.90	3.00	2.93	2.99	3.09	3.19	3.08	3.15	3.25	3.36	3.21	3.28	3.39	3.51	3.32	3.40	3.51	3.63
		Amps	12.1	12.4	12.7	13.1	13.0	13.2	13.6	14.0	13.9	14.2	14.6	15.1	14.8	15.1	15.5	16.0	15.6	15.9	16.4	17.0	16.4	16.8	17.3	17.9
	1250	HI PR	233	250	264	276	261	281	297	309	297	319	337	352	338	364	384	401	380	409	432	451	420	452	478	498
		LO PR	109	116	127	135	115	123	134	143	120	128	139	148	126	134	146	156	132	140	153	163	137	145	159	169
		MBh	39.4	40.3	43.0	46.0	38.5	39.3	42.0	44.9	37.6	38.4	41.0	43.9	36.7	37.5	40.0	42.8	34.8	35.6	38.0	40.6	32.3	33.0	35.2	37.7
		S/T	0.84	0.78	0.64	0.48	0.87	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.96	0.90	0.73	0.55
		ΔT	24	23	20	16	25	23	20	16	25	24	20	16	25	24	21	16	24	23	20	16	23	22	19	15
1200	kW	2.54	2.59	2.67	2.76	2.73	2.79	2.88	2.97	2.90	2.97	3.06	3.16	3.05	3.12	3.23	3.33	3.18	3.25	3.36	3.48	3.30	3.37	3.48	3.60	
	Amps	12.0	12.3	12.6	13.0	12.9	13.1	13.5	13.9	13.8	14.1	14.5	15.0	14.6	15.0	15.4	15.9	15.5	15.8	16.3	16.8	16.3	16.6	17.1	17.7	
	HI PR	230	248	262	273	258	278	294	306	294	316	334	348	335	360	380	397	377	405	428	446	416	448	473	493	
	LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167	
	MBh	39.0	39.9	42.6	45.5	38.1	38.9	41.6	44.5	37.2	38.0	40.6	43.4	36.3	37.1	39.6	42.4	34.5	35.2	37.6	40.2	31.9	32.6	34.9	37.3	

85	1400	MBh	41.3	42.1	44.1	47.0	40.3	41.1	43.1	45.9	39.4	40.1	42.0	44.9	38.4	39.2	41.0	43.8	36.5	37.2	39.0	41.6	33.8	34.5	36.1	38.5
		S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75
		ΔT	25	25	23	20	25	25	23	20	25	25	23	20	25	25	24	20	24	24	23	20	22	23	22	19
		kW	2.58	2.63	2.71	2.80	2.77	2.83	2.93	3.02	2.95	3.02	3.11	3.22	3.11	3.17	3.28	3.39	3.24	3.31	3.42	3.54	3.35	3.43	3.54	3.66
		Amps	12.2	12.5	12.8	13.2	13.1	13.3	13.7	14.2	14.0	14.3	14.7	15.2	14.9	15.2	15.6	16.2	15.7	16.1	16.5	17.1	16.6	16.9	17.4	18.0
	1250	HI PR	235	253	267	278	264	284	300	312	300	323	341	355	342	368	388	405	384	413	437	455	425	457	482	503
		LO PR	110	117	128	136	117	124	135	144	121	129	141	150	127	135	148	157	133	142	155	165	138	147	160	171
		MBh	40.1	40.9	42.8	45.7	39.2	39.9	41.8	44.6	38.2	39.0	40.8	43.5	37.3	38.0	39.8	42.5	35.4	36.1	37.8	40.4	32.8	33.5	35.0	37.4
		S/T	0.88	0.85	0.76	0.62	0.91	0.88	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.97	0.88	0.71
		ΔT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	25	21	26	26	26	24	24	24	24	20
1200	kW	2.56	2.61	2.69	2.78	2.75	2.81	2.90	3.00	2.93	2.99	3.09	3.19	3.08	3.15	3.25	3.36	3.21	3.28	3.39	3.51	3.32	3.40	3.51	3.63	
	Amps	12.1	12.4	12.7	13.1	13.0	13.2	13.6	14.0	13.9	14.2	14.6	15.1	14.8	15.1	15.5	16.0	15.6	15.9	16.4	17.0	16.4	16.8	17.3	17.9	
	HI PR	233	250	264	276	261	281	297	309	297	319	337	352	338	364	384	401	380	409	432	451	420	452	478	498	
	LO PR	109	116	127	135	115	123	134	143	120	128	139	148	126	134	146	156	132	140	153	163	137	145	159	169	
	MBh	39.7	40.5	42.4	45.2	38.8	39.5	41.4	44.2	37.9	38.6	40.4	43.1	36.9	37.6	39.4	42.1	35.1	35.8	37.5	40.0	32.5	33.1	34.7	37.0	

IDB: Entering Indoor Dry Bulb Temperature  
 High & low pressures are measured at the liquid & suction service valves.  
 Amps = outdoor unit amps (comp. + evaporator + compressor fan)

Shaded area reflects AHRI (TVA) conditions  
 Design Subcooling, 5-7 °F @ liquid access fitting connection AHRI 95 test conditions; design Superheat 15-18°F @ compressor suction access fitting connection

kW = Total system power

EXPANDED COOLING DATA — WGP4549AM — LOW STAGE

IDB	Airflow	Outdoor Ambient Temperature																								
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	1350	MBh	33.4	34.6	37.9	-	32.6	33.8	37.0	-	31.8	33.0	36.1	-	31.0	32.2	35.2	-	29.5	30.6	33.5	-	27.3	28.3	31.0	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
		ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-
		kW	2.16	2.21	2.27	-	2.32	2.37	2.44	-	2.46	2.51	2.59	-	2.58	2.64	2.72	-	2.69	2.74	2.83	-	2.78	2.84	2.93	-
		Amps	9.3	9.5	9.7	-	9.9	10.1	10.4	-	10.6	10.8	11.2	-	11.2	11.5	11.8	-	11.9	12.1	12.5	-	12.5	12.7	13.1	-
	1200	Hi-PR	217	233	247	-	243	262	277	-	277	298	315	-	315	339	358	-	355	382	403	-	392	422	445	-
		Lo-PR	113	120	131	-	119	127	139	-	124	132	144	-	130	139	151	-	137	145	159	-	141	150	164	-
		MBh	32.4	33.6	36.8	-	31.6	32.8	35.9	-	30.9	32.0	35.1	-	30.1	31.2	34.2	-	28.6	29.7	32.5	-	26.5	27.5	30.1	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
1050	kW	2.15	2.19	2.26	-	2.30	2.35	2.42	-	2.44	2.49	2.57	-	2.56	2.62	2.70	-	2.67	2.72	2.81	-	2.75	2.81	2.90	-	
	Amps	9.2	9.4	9.7	-	9.9	10.0	10.3	-	10.6	10.8	11.1	-	11.2	11.4	11.7	-	11.8	12.0	12.4	-	12.4	12.6	13.0	-	
	Hi-PR	215	231	244	-	241	259	274	-	274	295	311	-	312	336	355	-	351	378	399	-	388	418	441	-	
	Lo-PR	112	119	130	-	118	126	137	-	123	131	143	-	129	137	150	-	135	144	157	-	140	149	163	-	
	MBh	29.9	31.0	34.0	-	29.2	30.3	33.2	-	28.5	29.5	32.4	-	27.8	28.8	31.6	-	26.4	27.4	30.0	-	24.5	25.4	27.8	-	

IDB	Airflow	Outdoor Ambient Temperature																								
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
75	1350	MBh	33.9	34.9	37.8	40.6	33.1	34.1	36.9	39.6	32.4	33.3	36.1	38.7	31.6	32.5	35.2	37.8	30.0	30.9	33.4	35.9	27.8	28.6	31.0	33.2
		S/T	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.99	0.88	0.67	0.43	1.00	0.89	0.67	0.43
		ΔT	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	19	15	11	19	17	14	10
		kW	2.18	2.22	2.29	2.36	2.34	2.39	2.46	2.54	2.48	2.53	2.61	2.69	2.60	2.66	2.74	2.83	2.71	2.77	2.85	2.95	2.80	2.86	2.95	3.05
		Amps	9.4	9.6	9.8	10.1	10.0	10.2	10.5	10.8	10.7	10.9	11.2	11.6	11.3	11.6	11.9	12.3	12.0	12.2	12.6	13.0	12.6	12.8	13.2	13.6
	1200	Hi-PR	219	236	249	260	246	265	279	291	280	301	318	331	319	343	362	378	358	386	407	425	396	426	450	469
		Lo-PR	114	121	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177
		MBh	32.9	33.9	36.7	39.4	32.2	33.1	35.9	38.5	31.4	32.3	35.0	37.6	30.6	31.6	34.2	36.7	29.1	30.0	32.4	34.8	27.0	27.8	30.1	32.3
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10
1050	kW	2.16	2.21	2.27	2.34	2.32	2.37	2.44	2.52	2.46	2.51	2.59	2.67	2.58	2.64	2.72	2.81	2.69	2.74	2.83	2.92	2.78	2.84	2.93	3.02	
	Amps	9.3	9.5	9.7	10.0	9.9	10.1	10.4	10.7	10.6	10.9	11.2	11.5	11.2	11.5	11.8	12.2	11.9	12.1	12.5	12.9	12.5	12.7	13.1	13.5	
	Hi-PR	217	233	247	257	243	262	277	289	277	298	315	328	315	339	358	374	355	382	403	421	392	422	445	465	
	Lo-PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	151	161	137	145	159	169	141	150	164	175	
	MBh	30.4	31.3	33.9	36.4	29.7	30.6	33.1	35.5	29.0	29.9	32.3	34.7	28.3	29.1	31.5	33.8	26.9	27.7	29.9	32.1	24.9	25.6	27.7	29.8	

IDB: Entering Indoor Dry Bulb Temperature  
 Amps = outdoor unit amps (comp.+ evaporator + compressor fan)  
 High & low pressures are measured at the liquid & suction service valves.  
 Design Subcooling, 10±2 °F @ liquid access fitting connection AHRI 95 test conditions; design Superheat 15-18°F @ compressor suction access fitting connection  
 Shaded area reflects ACCA (TVA) conditions  
 kW = Total system power

# PRODUCT SPECIFICATIONS

## EXPANDED COOLING DATA — WGP4549AM — LOW STAGE (CONT.)

IDB	Airflow	Outdoor Ambient Temperature																								
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
80	1350	MBh	34.5	35.3	37.7	40.3	33.7	34.5	36.8	39.4	32.9	33.6	35.9	38.4	32.1	32.8	35.1	37.5	30.5	31.2	33.3	35.6	28.3	28.9	30.9	33.0
		S/T	0.95	0.89	0.73	0.54	1.00	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62
		ΔT	22	21	19	15	22	22	19	15	22	22	19	15	22	22	19	15	21	21	19	15	19	20	18	14
		kW	2.20	2.24	2.31	2.38	2.36	2.41	2.48	2.56	2.50	2.55	2.63	2.71	2.62	2.68	2.76	2.85	2.73	2.79	2.88	2.97	2.82	2.88	2.98	3.07
		Amps	9.5	9.6	9.9	10.2	10.1	10.3	10.6	10.9	10.8	11.0	11.3	11.7	11.4	11.7	12.0	12.4	12.0	12.3	12.7	13.1	12.7	12.9	13.3	13.8
		Hi PR	221	238	252	262	248	267	282	294	282	304	321	335	322	346	366	381	362	390	411	429	400	430	454	474
	1200	Lo PR	115	123	134	143	122	130	142	151	127	135	147	157	133	142	155	165	139	148	162	172	144	153	168	178
		MBh	33.5	34.3	36.6	39.1	32.7	33.5	35.8	38.2	32.0	32.7	34.9	37.3	31.2	31.9	34.1	36.4	29.6	30.3	32.3	34.6	27.4	28.0	30.0	32.0
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59
		ΔT	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	23	22	20	16	21	21	18	15
		kW	2.18	2.22	2.29	2.36	2.34	2.39	2.46	2.54	2.48	2.53	2.61	2.69	2.60	2.66	2.74	2.83	2.71	2.77	2.85	2.95	2.80	2.86	2.95	3.05
		Amps	9.4	9.6	9.8	10.1	10.0	10.2	10.5	10.8	10.7	10.9	11.2	11.6	11.3	11.6	11.9	12.3	12.0	12.2	12.6	13.0	12.6	12.8	13.2	13.6
1050	Hi PR	219	236	249	260	246	265	279	291	280	301	318	332	319	343	362	378	358	386	407	425	396	426	450	469	
	Lo PR	114	122	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177	
	MBh	30.9	31.6	33.8	36.1	30.2	30.9	33.0	35.3	29.5	30.2	32.2	34.4	28.8	29.4	31.4	33.6	27.3	27.9	29.9	31.9	25.3	25.9	27.7	29.6	
	S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.94	0.77	0.57	
	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15	
	kW	2.13	2.17	2.24	2.31	2.28	2.33	2.40	2.48	2.42	2.47	2.55	2.63	2.54	2.59	2.68	2.76	2.64	2.70	2.78	2.87	2.73	2.79	2.88	2.97	
85	1350	Amps	9.2	9.4	9.6	9.9	9.8	10.0	10.2	10.6	10.5	10.7	11.0	11.3	11.1	11.3	11.6	12.0	11.7	11.9	12.3	12.7	12.3	12.5	12.9	13.3
		Hi PR	213	229	242	252	239	257	271	283	271	292	308	322	309	333	351	366	348	374	395	412	384	413	436	455
		Lo PR	111	118	129	137	117	125	136	145	122	129	141	150	128	136	148	158	134	142	156	166	139	147	161	171
		MBh	35.1	35.8	37.5	40.0	34.3	35.0	36.6	39.1	33.5	34.2	35.8	38.2	32.7	33.3	34.9	37.2	31.1	31.7	33.2	35.4	28.8	29.3	30.7	32.8
		S/T	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	0.99	0.81
		ΔT	24	23	22	19	23	24	22	19	23	23	22	19	22	23	23	20	21	22	22	19	20	20	21	18
	1200	kW	2.21	2.26	2.33	2.40	2.38	2.42	2.50	2.58	2.52	2.57	2.65	2.74	2.64	2.70	2.79	2.88	2.75	2.81	2.90	3.00	2.84	2.91	3.00	3.10
		Amps	9.5	9.7	10.0	10.3	10.2	10.4	10.6	11.0	10.9	11.1	11.4	11.8	11.5	11.8	12.1	12.5	12.1	12.4	12.8	13.2	12.8	13.0	13.4	13.9
		Hi PR	224	241	254	265	251	270	285	297	285	307	324	338	325	350	369	385	366	393	415	433	404	435	459	479
		Lo PR	117	124	135	144	123	131	143	152	128	136	149	158	134	143	156	166	141	150	164	174	146	155	169	180
		MBh	34.1	34.8	36.4	38.9	33.3	34.0	35.6	38.0	32.5	33.2	34.7	37.0	31.7	32.3	33.9	36.1	30.1	30.7	32.2	34.3	27.9	28.5	29.8	31.8
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77
1050	ΔT	25	24	23	20	25	25	23	20	25	25	23	20	24	25	24	20	23	24	23	20	21	22	22	19	
	kW	2.20	2.24	2.31	2.38	2.36	2.41	2.48	2.56	2.50	2.55	2.63	2.71	2.62	2.68	2.76	2.85	2.73	2.79	2.88	2.97	2.82	2.88	2.98	3.07	
	Amps	9.5	9.6	9.9	10.2	10.1	10.3	10.6	10.9	10.8	11.0	11.3	11.7	11.4	11.7	12.0	12.4	12.0	12.3	12.7	13.1	12.7	12.9	13.3	13.8	
	Hi PR	221	238	252	262	248	267	282	294	282	304	321	335	322	346	366	381	362	390	411	429	400	430	454	474	
	Lo PR	115	123	134	143	122	130	142	151	127	135	147	157	133	142	155	165	139	148	162	172	144	153	168	178	
	MBh	31.5	32.1	33.6	35.9	30.8	31.4	32.8	35.0	30.0	30.6	32.1	34.2	29.3	29.9	31.3	33.4	27.8	28.4	29.7	31.7	25.8	26.3	27.5	29.4	
S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.74		
ΔT	25	25	24	20	26	25	24	21	26	25	24	21	26	25	24	21	24	25	24	20	23	23	22	19		
kW	2.15	2.19	2.25	2.32	2.30	2.35	2.42	2.50	2.44	2.49	2.57	2.65	2.56	2.62	2.70	2.78	2.66	2.72	2.81	2.90	2.75	2.81	2.90	3.00		
Amps	9.2	9.4	9.7	10.0	9.8	10.0	10.3	10.6	10.6	10.8	11.1	11.4	11.2	11.4	11.7	12.1	11.8	12.0	12.4	12.8	12.4	12.6	13.0	13.4		
Hi PR	215	231	244	254	241	259	274	286	274	295	311	325	312	336	355	370	351	378	399	416	388	417	441	460		
Lo PR	112	119	130	138	118	126	137	146	123	131	143	152	129	137	150	160	135	144	157	167	140	149	162	173		

IDB: Entering Indoor Dry Bulb Temperature  
 Amps = outdoor unit amps (comp.+ evaporator + compressor fan)  
 High & low pressures are measured at the liquid & suction service valves.  
 Design Subcooling, 10±2 °F @ liquid access fitting connection AHR1 95 test conditions; design Superheat 15-18°F @ compressor suction access fitting connection  
 Shaded area reflects AAHRI Rating conditions.  
 kW = Total system power



EXPANDED COOLING DATA — WGP4549AM — HIGH STAGE

IDB	Airflow	Outdoor Ambient Temperature																									
		65°F				75°F				85°F				95°F				105°F				115°F					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
70	1517	MBh	44.8	46.4	50.9	-	43.8	45.4	49.7	-	42.7	44.3	48.5	-	41.7	43.2	47.3	-	39.6	41.0	45.0	-	36.7	38.0	41.7	-	
		S/T	0.68	0.57	0.39	-	0.71	0.59	0.41	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	
	ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-		
	1345	kW	3.05	3.12	3.22	-	3.29	3.36	3.47	-	3.50	3.58	3.69	-	3.68	3.77	3.89	-	3.84	3.93	4.06	-	3.98	4.07	4.20	-	
		Amps	13.3	13.5	13.9	-	14.2	14.5	14.9	-	15.2	15.6	16.0	-	16.2	16.5	17.0	-	17.1	17.4	18.0	-	18.0	18.4	18.9	-	
	1183	Hi PR	227	244	258	-	254	274	289	-	289	311	329	-	330	355	374	-	371	399	421	-	410	441	465	-	
		Lo PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-	
	75	1517	MBh	43.5	45.1	49.4	-	42.5	44.0	48.3	-	41.5	43.0	47.1	-	40.5	41.9	46.0	-	38.4	39.8	43.7	-	35.6	36.9	40.4	-
			S/T	0.65	0.54	0.38	-	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.74	0.62	0.43	-	0.75	0.62	0.43	-
		ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-	
1345		kW	3.03	3.09	3.19	-	3.26	3.33	3.44	-	3.47	3.55	3.66	-	3.65	3.73	3.86	-	3.81	3.89	4.02	-	3.94	4.03	4.17	-	
		Amps	13.2	13.4	13.8	-	14.1	14.4	14.8	-	15.1	15.4	15.9	-	16.0	16.4	16.9	-	16.9	17.3	17.8	-	17.8	18.2	18.8	-	
1183		Hi PR	224	242	255	-	252	271	286	-	286	308	326	-	326	351	371	-	367	395	417	-	406	436	461	-	
		Lo PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-	
70		1517	MBh	40.2	41.6	45.6	-	39.2	40.7	44.5	-	38.3	39.7	43.5	-	37.4	38.7	42.4	-	35.5	36.8	40.3	-	32.9	34.1	37.3	-
			S/T	0.63	0.52	0.36	-	0.65	0.54	0.38	-	0.67	0.56	0.39	-	0.69	0.57	0.40	-	0.71	0.60	0.41	-	0.72	0.60	0.42	-
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-	
	1345	kW	2.96	3.02	3.11	-	3.18	3.25	3.36	-	3.38	3.46	3.57	-	3.56	3.64	3.76	-	3.71	3.79	3.92	-	3.84	3.93	4.06	-	
		Amps	12.9	13.1	13.5	-	13.7	14.0	14.4	-	14.8	15.1	15.5	-	15.6	16.0	16.4	-	16.5	16.9	17.4	-	17.4	17.8	18.3	-	
	1183	Hi PR	218	234	247	-	244	263	278	-	278	299	316	-	316	341	360	-	356	383	405	-	393	423	447	-	
		Lo PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-	

75	1517	MBh	45.6	46.9	50.8	54.5	44.5	45.8	49.6	53.2	43.5	44.7	48.4	52.0	42.4	43.6	47.2	50.7	40.3	41.5	44.9	48.2	37.3	38.4	41.6	44.6	
		S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.89	0.80	0.60	0.39	
	ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	20	19	15	10		
	1345	kW	3.08	3.14	3.24	3.35	3.32	3.39	3.50	3.61	3.53	3.61	3.72	3.85	3.71	3.80	3.92	4.06	3.87	3.96	4.09	4.23	4.01	4.10	4.24	4.38	
		Amps	13.4	13.7	14.0	14.5	14.3	14.6	15.0	15.5	15.4	15.7	16.2	16.7	16.3	16.6	17.1	17.7	17.2	17.6	18.1	18.7	18.1	18.5	19.1	19.7	
	1183	Hi PR	229	246	260	271	257	277	292	305	292	315	332	346	333	358	378	395	374	403	426	444	414	445	470	490	
		Lo PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167	
	70	1517	MBh	44.2	45.6	49.3	52.9	43.2	44.5	48.2	51.7	42.2	43.4	47.0	50.5	41.2	42.4	45.9	49.2	39.1	40.3	43.6	46.8	36.2	37.3	40.4	43.3
			S/T	0.74	0.66	0.50	0.32	0.77	0.68	0.52	0.33	0.79	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.85	0.76	0.57	0.37
		ΔT	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11	
1345		kW	3.05	3.12	3.22	3.32	3.29	3.36	3.47	3.58	3.50	3.58	3.69	3.82	3.68	3.77	3.89	4.02	3.84	3.93	4.06	4.20	3.98	4.07	4.20	4.35	
		Amps	13.3	13.5	13.9	14.4	14.2	14.5	14.9	15.4	15.2	15.6	16.0	16.6	16.2	16.5	17.0	17.6	17.1	17.5	18.0	18.6	18.0	18.4	18.9	19.6	
1183		Hi PR	227	244	258	269	254	274	289	302	289	311	329	343	330	355	375	391	371	399	421	439	410	441	466	486	
		Lo PR	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166	
75		1517	MBh	40.8	42.0	45.5	48.8	39.9	41.1	44.5	47.7	38.9	40.1	43.4	46.6	38.0	39.1	42.3	45.4	36.1	37.2	40.2	43.2	33.4	34.4	37.3	40.0
			S/T	0.71	0.64	0.48	0.31	0.74	0.66	0.50	0.32	0.76	0.68	0.51	0.33	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.82	0.73	0.55	0.36
		ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	20	16	11	
	1345	kW	2.98	3.04	3.14	3.24	3.21	3.28	3.38	3.50	3.41	3.49	3.60	3.72	3.59	3.67	3.79	3.92	3.74	3.83	3.95	4.09	3.88	3.96	4.10	4.23	
		Amps	13.0	13.2	13.6	14.0	13.9	14.1	14.5	15.0	14.9	15.2	15.6	16.2	15.8	16.1	16.6	17.1	16.7	17.0	17.5	18.1	17.5	17.9	18.5	19.1	
	1183	Hi PR	220	237	250	261	247	266	280	293	281	302	319	333	320	344	363	379	360	387	409	426	397	428	452	471	
		Lo PR	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161	

IDB: Entering Indoor Dry Bulb Temperature  
 Amps = outdoor unit amps (comp. + evaporator + compressor fan)  
 High & low pressures are measured at the liquid & suction service valves.  
 Shaded area reflects ACCA (TVA) conditions  
 Design Subcooling, 5-7 °F @ liquid access fitting connection AHR1 95 test conditions; design Superheat 15-18°F @ compressor suction access fitting connection  
 kW = Total system power

# PRODUCT SPECIFICATIONS

## EXPANDED COOLING DATA — WGP4549AM — HIGH STAGE (CONT.)

IDB	Airflow	Outdoor Ambient Temperature																									
		65°F				75°F				85°F				95°F				105°F				115°F					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
80	1517	MBh	46.4	47.4	50.6	54.1	45.3	46.3	49.5	52.9	44.2	45.2	48.3	51.6	43.1	44.1	47.1	50.4	41.0	41.9	44.7	47.8	38.0	38.8	41.4	44.3	
		S/T	0.85	0.80	0.65	0.48	0.88	0.83	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.92	0.74	0.56	
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	22	19	15	
	1345	kW	3.10	3.17	3.27	3.38	3.34	3.42	3.53	3.65	3.56	3.64	3.76	3.88	3.75	3.83	3.96	4.09	3.91	3.99	4.13	4.27	4.04	4.14	4.28	4.42	
		Amps	13.5	13.8	14.1	14.6	14.4	14.7	15.1	15.6	15.5	15.8	16.3	16.8	16.4	16.8	17.3	17.9	17.4	17.7	18.3	18.9	18.3	18.7	19.3	19.9	
		Hi-PR	231	249	263	274	260	279	295	308	295	318	335	350	336	362	382	399	378	407	430	448	418	450	475	495	
	1183	Lo-PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169	
		MBh	45.0	46.0	49.2	52.6	44.0	44.9	48.0	51.3	42.9	43.9	46.9	50.1	41.9	42.8	45.7	48.9	39.8	40.7	43.4	46.4	36.9	37.7	40.2	43.0	
		S/T	0.81	0.76	0.62	0.46	0.84	0.79	0.64	0.48	0.86	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.87	0.70	0.53	0.93	0.87	0.71	0.53	
	85	1517	ΔT	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	20	16
			kW	3.08	3.14	3.24	3.35	3.32	3.39	3.50	3.61	3.53	3.61	3.72	3.85	3.71	3.80	3.92	4.06	3.87	3.96	4.09	4.23	4.01	4.10	4.24	4.38
			Amps	13.4	13.7	14.0	14.5	14.3	14.6	15.0	15.5	15.4	15.7	16.2	16.7	16.3	16.6	17.1	17.7	17.2	17.6	18.1	18.7	18.1	18.5	19.1	19.7
1345		Hi-PR	229	246	260	271	257	277	292	305	292	315	332	346	333	358	378	395	375	403	426	444	414	445	470	490	
		Lo-PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167	
		MBh	41.6	42.5	45.4	48.5	40.6	41.5	44.3	47.4	39.6	40.5	43.3	46.2	38.7	39.5	42.2	45.1	36.7	37.5	40.1	42.9	34.0	34.8	37.1	39.7	
1183		S/T	0.78	0.73	0.60	0.45	0.81	0.76	0.62	0.46	0.83	0.78	0.63	0.47	0.86	0.80	0.65	0.49	0.89	0.83	0.68	0.51	0.90	0.84	0.68	0.51	
		ΔT	25	24	21	17	26	24	21	17	26	25	21	17	26	25	21	17	26	25	21	17	24	23	20	16	
		kW	3.00	3.07	3.16	3.27	3.24	3.31	3.41	3.52	3.44	3.52	3.63	3.75	3.62	3.70	3.82	3.95	3.78	3.86	3.99	4.12	3.91	4.00	4.13	4.27	
1517		Amps	13.1	13.3	13.7	14.1	14.0	14.3	14.7	15.1	15.0	15.3	15.8	16.3	15.9	16.2	16.7	17.3	16.8	17.2	17.7	18.3	17.7	18.1	18.6	19.2	
		Hi-PR	222	239	252	263	249	268	283	295	284	305	322	336	323	348	367	383	363	391	413	431	401	432	456	476	
		Lo-PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162	
85	1517	MBh	47.2	48.1	50.4	53.7	46.1	47.0	49.2	52.5	45.0	45.9	48.0	51.2	43.9	44.7	46.9	50.0	41.7	42.5	44.5	47.5	38.6	39.4	41.2	44.0	
		S/T	0.89	0.86	0.78	0.63	0.92	0.89	0.80	0.65	0.95	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.99	0.89	0.72	
		ΔT	25	25	24	21	26	25	24	21	26	25	24	21	26	26	24	21	25	25	24	21	23	24	22	19	
	1345	kW	3.13	3.19	3.30	3.40	3.37	3.45	3.56	3.68	3.59	3.67	3.79	3.91	3.78	3.86	3.99	4.13	3.94	4.03	4.16	4.31	4.08	4.17	4.31	4.46	
		Amps	13.6	13.9	14.3	14.7	14.5	14.8	15.3	15.8	15.6	16.0	16.4	17.0	16.6	16.9	17.4	18.0	17.5	17.9	18.4	19.1	18.4	18.8	19.4	20.1	
		Hi-PR	234	251	266	277	262	282	298	311	298	321	339	353	340	365	386	402	382	411	434	453	422	454	480	500	
	1183	Lo-PR	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171	
		MBh	45.8	46.7	48.9	52.2	44.8	45.6	47.8	51.0	43.7	44.5	46.6	49.8	42.6	43.4	45.5	48.5	40.5	41.3	43.2	46.1	37.5	38.2	40.0	42.7	
		S/T	0.85	0.82	0.74	0.60	0.88	0.85	0.77	0.62	0.90	0.87	0.79	0.64	0.93	0.90	0.81	0.66	0.97	0.93	0.84	0.68	0.98	0.94	0.85	0.69	
	1517	ΔT	27	26	25	21	27	26	25	22	27	27	25	22	27	27	25	22	27	26	25	22	25	25	23	20	
		kW	3.10	3.17	3.27	3.38	3.34	3.42	3.53	3.65	3.56	3.64	3.76	3.88	3.75	3.83	3.96	4.09	3.91	3.99	4.13	4.27	4.04	4.14	4.28	4.42	
		Amps	13.5	13.8	14.1	14.6	14.4	14.7	15.1	15.6	15.5	15.8	16.3	16.8	16.4	16.8	17.3	17.9	17.4	17.7	18.3	18.9	18.3	18.7	19.3	19.9	
1345	Hi-PR	231	249	263	274	260	279	295	308	295	318	335	350	336	362	382	399	378	407	430	448	418	450	475	495		
	Lo-PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169		
	MBh	42.3	43.1	45.1	48.2	41.3	42.1	44.1	47.0	40.3	41.1	43.0	45.9	39.3	40.1	42.0	44.8	37.4	38.1	39.9	42.6	34.6	35.3	37.0	39.4		
1183	S/T	0.82	0.79	0.71	0.58	0.85	0.82	0.74	0.60	0.87	0.84	0.76	0.62	0.90	0.87	0.78	0.63	0.93	0.90	0.81	0.66	0.94	0.91	0.82	0.66		
	ΔT	27	26	25	22	27	27	25	22	27	27	25	22	27	27	26	22	27	27	25	22	25	25	24	20		
	kW	3.03	3.09	3.19	3.29	3.26	3.33	3.44	3.55	3.47	3.55	3.66	3.78	3.65	3.73	3.86	3.99	3.81	3.89	4.02	4.16	3.94	4.03	4.17	4.31		
1517	Amps	13.2	13.4	13.8	14.3	14.1	14.4	14.8	15.3	15.1	15.4	15.9	16.4	16.0	16.4	16.9	17.4	16.9	17.3	17.8	18.4	17.8	18.2	18.8	19.4		
	Hi-PR	224	241	255	266	252	271	286	298	286	308	325	339	326	351	371	387	367	395	417	435	405	436	461	480		
	Lo-PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164		

IDB: Entering Indoor Dry Bulb Temperature  
 Amps = outdoor unit amps (comp. + evaporator + compressor fan)  
 High & low pressures are measured at the liquid & suction service valves.  
 Shaded area reflects AAHRI Rating conditions.  
 Design Subcooling, 5-7 °F @ liquid access fitting connection AHR1 95 test conditions; design Superheat 15-18°F @ compressor suction access fitting connection  
 kW = Total system power

EXPANDED COOLING DATA — WGP4560AM — LOW STAGE

IDB	Airflow	Outdoor Ambient Temperature																							
		65°F				75°F				85°F				95°F				105°F				115°F			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
	MBh	39.6	41.1	45.0	-	38.7	40.1	43.9	-	37.8	39.2	42.9	-	36.9	38.2	41.9	-	35.0	36.3	39.8	-	32.4	33.6	36.8	-
	S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-
	ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	17	14	11	-
<b>1519</b>	kW	2.79	2.85	2.93	-	3.00	3.06	3.16	-	3.18	3.25	3.35	-	3.34	3.42	3.53	-	3.48	3.56	3.67	-	3.60	3.68	3.80	-
	Amps	12.3	12.5	12.9	-	13.1	13.4	13.8	-	14.1	14.4	14.9	-	15.0	15.3	15.8	-	15.8	16.2	16.7	-	16.7	17.1	17.6	-
	Hi PR	222	239	252	-	249	268	283	-	288	305	322	-	322	347	366	-	363	390	412	-	401	431	455	-
	Lo PR	109	116	127	-	116	123	134	-	120	128	139	-	126	134	146	-	132	141	154	-	137	145	159	-
	MBh	38.5	39.9	43.7	-	37.6	38.9	42.7	-	36.7	38.0	41.6	-	35.8	37.1	40.6	-	34.0	35.2	38.6	-	31.5	32.6	35.8	-
	S/T	0.70	0.58	0.40	-	0.72	0.61	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-
	ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
<b>70</b>	kW	2.77	2.82	2.91	-	2.97	3.04	3.13	-	3.16	3.22	3.33	-	3.32	3.39	3.50	-	3.45	3.53	3.64	-	3.57	3.65	3.77	-
	Amps	12.2	12.5	12.8	-	13.0	13.3	13.7	-	14.0	14.3	14.7	-	14.9	15.2	15.6	-	15.7	16.1	16.5	-	16.5	16.9	17.4	-
	Hi PR	220	236	250	-	246	265	280	-	280	302	318	-	319	343	363	-	359	386	408	-	397	427	451	-
	Lo PR	108	115	126	-	114	122	133	-	119	126	138	-	125	133	145	-	131	139	152	-	135	144	157	-
	MBh	35.5	36.8	40.3	-	34.7	35.9	39.4	-	33.9	35.1	38.4	-	33.0	34.2	37.5	-	31.4	32.5	35.6	-	29.1	30.1	33.0	-
	S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.65	0.45	-
	ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	15	12	-
<b>1181</b>	kW	2.70	2.76	2.84	-	2.90	2.96	3.06	-	3.08	3.15	3.25	-	3.24	3.31	3.41	-	3.37	3.44	3.55	-	3.48	3.56	3.68	-
	Amps	11.9	12.2	12.5	-	12.7	13.0	13.4	-	13.7	14.0	14.4	-	14.5	14.8	15.3	-	15.3	15.7	16.1	-	16.1	16.5	17.0	-
	Hi PR	213	229	242	-	239	257	272	-	272	293	309	-	310	333	352	-	348	375	396	-	385	414	437	-
	Lo PR	105	112	122	-	111	118	129	-	115	123	134	-	121	129	141	-	127	135	147	-	131	140	153	-

	MBh	40.3	41.5	44.9	48.2	39.4	40.5	43.9	47.1	38.4	39.6	42.8	45.9	37.5	<b>38.6</b>	41.8	44.8	35.6	36.7	39.7	42.6	33.0	34.0	36.8	39.4
	S/T	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.38	0.89	0.79	0.60	0.39	0.91	<b>0.82</b>	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42
	ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	<b>19</b>	16	11	21	19	15	11	19	18	14	10
<b>1519</b>	kW	2.81	2.87	2.96	3.05	3.02	3.09	3.18	3.28	3.21	3.28	3.38	3.49	3.37	<b>3.44</b>	3.56	3.67	3.51	3.59	3.70	3.83	3.63	3.71	3.83	3.96
	Amps	12.4	12.6	13.0	13.4	13.3	13.5	13.9	14.4	14.3	14.6	15.0	15.5	15.1	<b>15.4</b>	15.9	16.4	16.0	16.3	16.8	17.4	16.8	17.2	17.7	18.3
	Hi PR	224	241	255	266	251	271	286	298	286	308	325	339	326	<b>350</b>	370	386	366	394	416	434	405	436	460	480
	Lo PR	110	118	128	137	117	124	136	144	121	129	141	150	127	<b>136</b>	148	158	134	142	155	165	138	147	160	171
	MBh	39.1	40.3	43.6	46.8	38.2	39.3	42.6	45.7	37.3	38.4	41.6	44.6	36.4	<b>37.5</b>	40.6	43.5	34.6	35.6	38.5	41.3	32.0	33.0	35.7	38.3
	S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.76	0.57	0.37	0.87	<b>0.78</b>	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.82	0.62	0.40
	ΔT	21	20	16	11	21	20	16	11	21	20	16	11	22	<b>20</b>	16	11	21	20	16	11	20	18	15	10
<b>1350</b>	kW	2.79	2.85	2.93	3.03	3.00	3.06	3.16	3.26	3.18	3.25	3.35	3.46	3.34	<b>3.42</b>	3.53	3.64	3.48	3.56	3.67	3.80	3.60	3.68	3.80	3.93
	Amps	12.3	12.5	12.9	13.3	13.2	13.4	13.8	14.3	14.1	14.4	14.9	15.4	15.0	<b>15.3</b>	15.8	16.3	15.8	16.2	16.7	17.2	16.7	17.1	17.6	18.2
	Hi PR	222	239	252	263	249	268	283	295	283	305	322	336	322	<b>347</b>	366	382	363	390	412	430	401	431	455	475
	Lo PR	109	116	127	135	116	123	134	143	120	128	139	149	126	<b>134</b>	147	156	132	141	154	164	137	145	159	169
	MBh	36.1	37.2	40.2	43.2	35.3	36.3	39.3	42.2	34.4	35.4	38.4	41.2	33.6	<b>34.6</b>	37.4	40.2	31.9	32.9	35.6	38.2	29.6	30.4	32.9	35.4
	S/T	0.77	0.69	0.52	0.33	0.79	0.71	0.54	0.35	0.81	0.73	0.55	0.35	0.84	<b>0.75</b>	0.57	0.37	0.87	0.78	0.59	0.38	0.88	0.79	0.60	0.38
	ΔT	22	20	16	11	22	20	16	11	22	20	16	11	22	<b>20</b>	17	11	22	20	16	11	20	19	15	11
<b>1181</b>	kW	2.72	2.78	2.87	2.95	2.93	2.99	3.08	3.18	3.11	3.17	3.27	3.38	3.26	<b>3.33</b>	3.44	3.55	3.40	3.47	3.58	3.70	3.51	3.59	3.71	3.83
	Amps	12.0	12.3	12.6	13.0	12.8	13.1	13.5	13.9	13.8	14.1	14.5	15.0	14.6	<b>14.9</b>	15.4	15.9	15.5	15.8	16.3	16.8	16.3	16.6	17.1	17.7
	Hi PR	215	232	245	255	241	260	274	286	275	296	312	325	313	<b>337</b>	355	371	352	379	400	417	389	418	442	461
	Lo PR	106	113	123	131	112	119	130	139	116	124	135	144	122	<b>130</b>	142	151	128	136	149	159	133	141	154	164

IDB: Entering Indoor Dry Bulb Temperature  
 Amps = outdoor unit amps (comp. + evaporator + compressor fan)  
 High & low pressures are measured at the liquid & suction service valves.  
 Shaded area reflects ACCA (TIVA) conditions  
 Design Subcooling, 10±2 °F @ liquid access fitting connection AHR1 95 test conditions; design Superheat 15-18°F @ compressor suction access fitting connection  
 kW = Total system power

# PRODUCT SPECIFICATIONS

## EXPANDED COOLING DATA — WGP4560AM — LOW STAGE (CONT.)

IDB	Airflow	Outdoor Ambient Temperature																								
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
80	1519	MBh	41.0	41.9	44.8	47.9	40.1	40.9	43.7	46.7	39.1	40.0	42.7	45.6	38.1	39.0	41.6	44.5	36.2	37.0	39.6	42.3	33.6	34.3	36.6	39.2
		S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	1.00	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.80	0.60
	ΔT	23	22	19	15	24	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	20	21	18	14	
	kW	2.83	2.89	2.98	3.07	3.05	3.11	3.21	3.31	3.23	3.30	3.41	3.52	3.40	3.47	3.59	3.70	3.54	3.62	3.74	3.86	3.66	3.74	3.87	3.99	
	Amps	12.5	12.7	13.1	13.5	13.4	13.6	14.0	14.5	14.4	14.7	15.1	15.6	15.2	15.6	16.0	16.6	16.1	16.5	17.0	17.5	17.0	17.3	17.9	18.5	
	Hi-PR	226	244	257	268	254	273	289	301	289	311	328	342	329	354	374	390	370	398	421	439	409	440	465	485	
	Lo-PR	112	119	130	138	118	125	137	146	123	130	142	152	129	137	149	159	135	143	157	167	140	148	162	173	
	MBh	39.8	40.7	43.5	46.5	38.9	39.7	42.5	45.4	38.0	38.8	41.4	44.3	37.0	37.8	40.4	43.2	35.2	36.0	38.4	41.1	32.6	33.3	35.6	38.0	
	S/T	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57	
	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15	
1181	1350	kW	2.81	2.87	2.96	3.05	3.02	3.09	3.18	3.28	3.21	3.28	3.38	3.49	3.37	3.45	3.56	3.67	3.51	3.59	3.70	3.83	3.63	3.71	3.83	3.96
		Amps	12.4	12.6	13.0	13.4	13.3	13.5	13.9	14.4	14.3	14.6	15.0	15.5	15.1	15.4	15.9	16.4	16.0	16.3	16.8	17.4	16.8	17.2	17.7	18.3
	Hi-PR	224	241	255	266	251	271	286	298	286	308	325	339	326	350	370	386	366	394	416	434	405	436	460	480	
	Lo-PR	110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171	
	MBh	36.7	37.5	40.1	42.9	35.9	36.7	39.2	41.9	35.0	35.8	38.2	40.9	34.2	34.9	37.3	39.9	32.5	33.2	35.5	37.9	30.1	30.7	32.8	35.1	
	S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.67	0.50	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.53	0.96	0.90	0.73	0.55	0.97	0.91	0.74	0.55	
	ΔT	24	23	20	16	24	23	20	16	25	24	20	16	25	24	20	16	24	23	20	16	23	22	19	15	
	kW	2.75	2.80	2.89	2.98	2.95	3.01	3.11	3.20	3.13	3.20	3.30	3.40	3.29	3.36	3.47	3.58	3.43	3.50	3.61	3.73	3.54	3.62	3.74	3.86	
	Amps	12.1	12.4	12.7	13.1	12.9	13.2	13.6	14.0	13.9	14.2	14.6	15.1	14.7	15.1	15.5	16.0	15.6	15.9	16.4	17.0	16.4	16.8	17.3	17.9	
	Hi-PR	217	234	247	258	244	262	277	289	277	298	315	329	316	340	359	374	355	382	404	421	393	423	446	465	
Lo-PR	107	114	124	133	113	120	132	140	118	125	137	146	124	132	144	153	130	138	150	160	134	143	156	166		

1519	1350	MBh	41.7	42.5	44.5	47.5	40.8	41.5	43.5	46.4	39.8	40.6	42.5	45.3	38.8	39.6	41.4	44.2	36.9	37.6	39.4	42.0	34.2	34.8	36.5	38.9
		S/T	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
	ΔT	24	24	22	19	24	24	23	20	24	24	23	20	23	24	23	20	23	23	23	20	21	21	21	18	
	kW	2.85	2.91	3.00	3.10	3.07	3.13	3.23	3.34	3.26	3.33	3.44	3.55	3.43	3.50	3.61	3.73	3.57	3.65	3.77	3.89	3.69	3.77	3.90	4.03	
	Amps	12.6	12.8	13.2	13.6	13.5	13.7	14.1	14.6	14.5	14.8	15.2	15.7	15.4	15.7	16.2	16.7	16.2	16.6	17.1	17.7	17.1	17.5	18.0	18.6	
	Hi-PR	229	246	260	271	256	276	291	304	292	314	331	346	332	358	378	394	374	402	425	443	413	444	469	489	
	Lo-PR	113	120	131	139	119	127	138	147	124	132	144	153	130	138	151	161	136	145	158	169	141	150	164	174	
	MBh	40.5	41.3	43.2	46.1	39.6	40.3	42.2	45.1	38.6	39.4	41.2	44.0	37.7	38.4	40.2	42.9	35.8	36.5	38.2	40.8	33.2	33.8	35.4	37.8	
	S/T	0.91	0.88	0.80	0.65	0.95	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74	
	ΔT	25	25	23	20	26	25	24	21	26	25	24	21	26	25	24	21	26	25	24	21	24	23	22	19	
85	1350	kW	2.83	2.89	2.98	3.07	3.05	3.11	3.21	3.31	3.23	3.30	3.41	3.52	3.40	3.47	3.59	3.70	3.54	3.62	3.74	3.86	3.66	3.74	3.87	3.99
		Amps	12.5	12.7	13.1	13.5	13.4	13.6	14.0	14.5	14.4	14.7	15.1	15.6	15.2	15.6	16.0	16.6	16.1	16.5	17.0	17.5	17.0	17.3	17.9	18.5
	Hi-PR	226	244	257	268	254	273	289	301	289	311	328	342	329	354	374	390	370	398	421	439	409	440	465	485	
	Lo-PR	112	119	130	138	118	125	137	146	123	130	142	152	129	137	149	159	135	143	157	167	140	148	162	173	
	MBh	37.4	38.1	39.9	42.6	36.5	37.2	39.0	41.6	35.6	36.3	38.1	40.6	34.8	35.5	37.1	39.6	33.0	33.7	35.3	37.6	30.6	31.2	32.7	34.9	
	S/T	0.88	0.85	0.77	0.62	0.91	0.88	0.80	0.65	0.94	0.90	0.82	0.66	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.98	0.88	0.71	
	ΔT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	24	21	26	25	24	21	24	24	22	19	
	kW	2.77	2.82	2.91	3.00	2.97	3.04	3.13	3.23	3.16	3.22	3.33	3.43	3.32	3.39	3.50	3.61	3.45	3.53	3.64	3.76	3.57	3.65	3.77	3.89	
	Amps	12.2	12.4	12.8	13.2	13.0	13.3	13.7	14.1	14.0	14.3	14.7	15.2	14.9	15.2	15.6	16.2	15.7	16.1	16.5	17.1	16.5	16.9	17.4	18.0	
	Hi-PR	220	236	249	260	246	265	280	292	280	301	318	332	319	343	363	378	359	386	408	425	397	427	451	470	
Lo-PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167		

IDB: Entering Indoor Dry Bulb Temperature  
 High & low pressures are measured at the liquid & suction service valves.  
 Amps = outdoor unit amps (comp. + evaporator + compressor fan)

Shaded area reflects AHR1 Rating conditions  
 Design Subcooling, 10±2 °F @ liquid access fitting connection AHR1 95 test conditions; design Superheat 15-18°F @ compressor suction access fitting connection

kW = Total system power

EXPANDED COOLING DATA — WGP4560AM — HIGH STAGE

IDB	Airflow	Outdoor Ambient Temperature																							
		65°F				75°F				85°F				95°F				105°F				115°F			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
2025	MBh	54.4	56.4	61.8	-	53.2	55.1	60.4	-	51.9	53.8	58.9	-	50.6	52.5	57.5	-	48.1	49.9	54.6	-	44.6	46.2	50.6	-
	S/T	0.71	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-
	ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-
	kW	4.22	4.31	4.44	-	4.54	4.63	4.78	-	4.82	4.92	5.08	-	5.06	5.17	5.34	-	5.27	5.39	5.56	-	5.45	5.57	5.75	-
	Amps	18.4	18.8	19.3	-	19.7	20.1	20.7	-	21.1	21.6	22.2	-	22.4	22.9	23.6	-	23.7	24.2	25.0	-	25.0	25.5	26.3	-
	Hi-PR	240	258	273	-	269	290	306	-	306	330	348	-	349	375	396	-	392	422	446	-	434	467	493	-
	Lo-PR	106	112	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	148	-	132	141	154	-
	MBh	52.8	54.8	60.0	-	51.6	53.5	58.6	-	50.4	52.2	57.2	-	49.2	50.9	55.8	-	46.7	48.4	53.0	-	43.3	44.8	49.1	-
	S/T	0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.78	0.65	0.45	-
	ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
1800	kW	4.19	4.28	4.41	-	4.50	4.60	4.74	-	4.78	4.88	5.03	-	5.02	5.13	5.29	-	5.23	5.34	5.52	-	5.41	5.53	5.71	-
	Amps	18.2	18.6	19.1	-	19.5	19.9	20.5	-	21.0	21.4	22.1	-	22.2	22.7	23.4	-	23.5	24.0	24.8	-	24.8	25.3	26.1	-
	Hi-PR	238	256	270	-	267	287	303	-	303	326	345	-	345	372	392	-	388	418	441	-	429	462	488	-
	Lo-PR	105	111	122	-	111	118	128	-	115	122	134	-	121	128	140	-	127	135	147	-	131	139	152	-
	MBh	48.8	50.5	55.4	-	47.6	49.4	54.1	-	46.5	48.2	52.8	-	45.4	47.0	51.5	-	43.1	44.7	48.9	-	39.9	41.4	45.3	-
	S/T	0.66	0.55	0.38	-	0.68	0.57	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.75	0.63	0.44	-
	ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	13	-	19	16	12	-	18	15	12	-
	kW	4.09	4.18	4.30	-	4.40	4.49	4.63	-	4.66	4.76	4.91	-	4.90	5.01	5.16	-	5.10	5.21	5.38	-	5.27	5.39	5.56	-
	Amps	17.8	18.2	18.7	-	19.0	19.4	20.0	-	20.5	20.9	21.5	-	21.7	22.2	22.8	-	22.9	23.4	24.1	-	24.2	24.7	25.4	-
	Hi-PR	230	248	262	-	259	278	294	-	294	316	334	-	335	360	381	-	377	406	428	-	416	448	473	-
Lo-PR	102	108	118	-	107	114	125	-	112	119	130	-	117	125	136	-	123	131	143	-	127	135	147	-	

2025	MBh	55.3	57.0	61.7	66.2	54.1	55.7	60.2	64.7	52.8	54.3	58.8	63.1	51.5	53.0	57.4	61.6	48.9	50.4	54.5	58.5	45.3	46.6	50.5	54.2
	S/T	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.86	0.77	0.58	0.38	0.89	0.80	0.60	0.39	0.92	0.83	0.62	0.40	0.93	0.83	0.63	0.41
	ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	20	19	15	11	19	18	14	10
	kW	4.26	4.34	4.48	4.62	4.57	4.67	4.82	4.97	4.86	4.96	5.12	5.28	5.10	5.21	5.38	5.56	5.32	5.43	5.61	5.79	5.50	5.62	5.80	6.00
	Amps	18.5	18.9	19.4	20.1	19.8	20.2	20.8	21.5	21.3	21.8	22.4	23.2	22.6	23.1	23.8	24.6	23.9	24.4	25.2	26.0	25.2	25.8	26.5	27.5
	Hi-PR	242	261	275	287	272	293	309	322	309	333	352	367	352	379	400	418	396	427	450	470	438	471	498	519
	Lo-PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	134	142	155	165
	MBh	53.7	55.3	59.9	64.3	52.5	54.0	58.5	62.8	51.2	52.8	57.1	61.3	50.0	51.5	55.7	59.8	47.5	48.9	52.9	56.8	44.0	45.3	49.0	52.6
	S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.73	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.79	0.60	0.38	0.89	0.79	0.60	0.39
	ΔT	21	20	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
1800	kW	4.22	4.31	4.44	4.58	4.54	4.63	4.78	4.93	4.82	4.92	5.08	5.24	5.06	5.17	5.34	5.51	5.27	5.39	5.56	5.75	5.45	5.57	5.75	5.95
	Amps	18.4	18.8	19.3	19.9	19.7	20.1	20.7	21.3	21.1	21.6	22.2	23.0	22.4	22.9	23.6	24.4	23.7	24.2	25.0	25.8	25.0	25.5	26.3	27.2
	Hi-PR	240	258	273	284	269	290	306	319	306	330	348	363	349	375	396	413	392	422	446	465	434	467	493	514
	Lo-PR	106	113	123	131	112	119	130	138	116	124	135	144	122	130	142	151	128	136	148	158	132	141	154	164
	MBh	49.6	51.1	55.3	59.3	48.4	49.9	54.0	57.9	47.3	48.7	52.7	56.6	46.1	47.5	51.4	55.2	43.8	45.1	48.8	52.4	40.6	41.8	45.2	48.6
	S/T	0.75	0.67	0.50	0.32	0.77	0.69	0.52	0.34	0.79	0.71	0.54	0.35	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.86	0.77	0.58	0.37
	ΔT	22	20	16	11	22	20	16	11	22	20	16	11	22	20	17	11	22	20	16	11	20	19	15	11
	kW	4.13	4.21	4.34	4.47	4.43	4.52	4.66	4.81	4.70	4.80	4.95	5.11	4.94	5.05	5.21	5.38	5.14	5.25	5.42	5.60	5.32	5.43	5.61	5.80
	Amps	18.0	18.3	18.8	19.4	19.2	19.6	20.2	20.8	20.6	21.1	21.7	22.4	21.9	22.4	23.0	23.8	23.1	23.6	24.3	25.2	24.4	24.9	25.6	26.5
	Hi-PR	233	251	265	276	261	281	297	310	297	320	338	352	338	364	385	401	381	410	433	451	421	453	478	498
Lo-PR	103	109	119	127	108	115	126	134	113	120	131	139	118	126	137	146	124	132	144	153	128	136	149	159	

IDB: Entering Indoor Dry Bulb Temperature  
 Amps = outdoor unit amps (comp. + evaporator + compressor fan)  
 High & low pressures are measured at the liquid & suction service valves.  
 Shaded area reflects ACCA (TVA) conditions  
 Design Subcooling, 10±2 °F @ liquid access fitting connection AHR1 95 test conditions; design Superheat 15-18°F @ compressor suction access fitting connection  
 kW = Total system power

# PRODUCT SPECIFICATIONS

## EXPANDED COOLING DATA — WGP4560AM — HIGH STAGE (CONT.)

IDB	Airflow	Outdoor Ambient Temperature																									
		65°F				75°F				85°F				95°F				105°F				115°F					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
70	2025	MBh	56.3	57.6	61.5	65.7	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
		S/T	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.53	0.94	0.89	0.72	0.54	1.00	0.91	0.74	0.56	1.00	0.95	0.77	0.58	1.00	0.96	0.78	0.58	
	ΔT	23	22	19	15	23	22	19	15	24	22	19	15	24	22	19	15	23	22	19	15	21	20	18	14		
	kW	4.29	4.38	4.51	4.65	4.61	4.71	4.86	5.01	4.90	5.00	5.16	5.33	5.15	5.26	5.43	5.61	5.36	5.48	5.65	5.84	5.54	5.67	5.85	6.05		
	Amps	18.7	19.1	19.6	20.2	20.0	20.4	21.0	21.7	21.5	22.0	22.6	23.4	22.8	23.3	24.0	24.8	24.1	24.6	25.4	26.3	25.4	26.0	26.8	27.7		
	Hi PR	245	263	278	290	275	296	312	326	312	336	355	370	356	383	404	422	400	431	455	475	442	476	503	524		
	Lo PR	108	115	125	133	114	121	132	141	118	126	138	147	124	132	145	154	130	139	151	161	135	144	157	167		
	MBh	54.7	55.9	59.7	63.8	53.4	54.6	58.3	62.3	52.1	53.3	56.9	60.9	50.9	52.0	55.5	59.4	48.3	49.4	52.8	56.4	44.8	45.7	48.9	52.2		
	S/T	0.85	0.80	0.65	0.48	0.88	0.82	0.67	0.50	0.90	0.85	0.69	0.51	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	0.97	0.91	0.74	0.56		
	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15		
	kW	4.26	4.34	4.48	4.62	4.57	4.67	4.82	4.97	4.86	4.96	5.12	5.28	5.10	5.22	5.38	5.56	5.32	5.43	5.61	5.79	5.50	5.62	5.80	6.00		
	Amps	18.5	18.9	19.4	20.1	19.8	20.2	20.8	21.5	21.3	21.8	22.4	23.2	22.6	23.1	23.8	24.6	23.9	24.4	25.2	26.0	25.2	25.8	26.5	27.5		
Hi PR	242	261	275	287	272	293	309	322	309	333	352	367	352	379	400	418	396	427	450	470	438	471	498	519			
Lo PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	134	142	155	165			
MBh	50.5	51.6	55.1	58.9	49.3	50.4	53.8	57.5	48.1	49.2	52.5	56.2	47.0	48.0	51.3	54.8	44.6	45.6	48.7	52.1	41.3	42.2	45.1	48.2			
S/T	0.82	0.77	0.62	0.47	0.85	0.79	0.65	0.48	0.87	0.81	0.66	0.50	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.94	0.88	0.72	0.54			
ΔT	24	23	20	16	24	23	20	16	24	23	20	16	25	24	20	16	24	23	20	16	23	22	19	15			
kW	4.16	4.24	4.37	4.51	4.47	4.56	4.70	4.85	4.74	4.84	4.99	5.15	4.98	5.09	5.25	5.42	5.19	5.30	5.47	5.65	5.36	5.48	5.66	5.85			
Amps	18.1	18.5	19.0	19.6	19.4	19.8	20.3	21.0	20.8	21.2	21.9	22.6	22.1	22.5	23.2	24.0	23.3	23.8	24.5	25.4	24.6	25.1	25.9	26.8			
Hi PR	235	253	267	279	264	284	300	313	300	323	341	356	342	368	388	405	385	414	437	456	425	457	483	504			
Lo PR	104	110	120	128	109	116	127	135	114	121	132	141	120	127	139	148	125	133	145	155	130	138	150	160			
75	2025	MBh	57.3	58.4	61.2	65.3	56.0	57.1	59.8	63.8	54.6	55.7	58.3	62.2	53.3	54.3	56.9	60.7	50.7	51.6	54.1	57.7	46.9	47.8	50.1	53.4	
		S/T	0.93	0.90	0.81	0.66	0.97	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.76	
	ΔT	24	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	23	23	23	20	21	22	21	18		
	kW	4.32	4.41	4.55	4.69	4.65	4.75	4.90	5.05	4.93	5.04	5.20	5.37	5.19	5.30	5.47	5.65	5.40	5.52	5.70	5.89	5.59	5.71	5.90	6.10		
	Amps	18.8	19.2	19.8	20.4	20.1	20.6	21.2	21.9	21.7	22.1	22.8	23.6	23.0	23.5	24.2	25.0	24.3	24.9	25.6	26.5	25.6	26.2	27.0	27.9		
	Hi PR	247	266	281	293	277	299	315	329	316	340	359	374	359	387	408	426	404	435	460	479	447	481	508	530		
	Lo PR	109	116	127	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	169		
	MBh	55.6	56.7	59.4	63.4	54.4	55.4	58.0	61.9	53.1	54.1	56.6	60.4	51.8	52.8	55.3	59.0	49.2	50.1	52.5	56.0	45.6	46.4	48.6	51.9		
	S/T	0.89	0.86	0.77	0.63	0.92	0.89	0.80	0.65	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.98	0.89	0.72		
	ΔT	25	25	23	20	26	25	24	21	26	25	24	21	26	25	24	21	25	25	24	20	23	23	22	19		
	kW	4.29	4.38	4.51	4.65	4.61	4.71	4.86	5.01	4.90	5.00	5.16	5.33	5.15	5.26	5.43	5.61	5.36	5.48	5.65	5.84	5.54	5.67	5.85	6.05		
	Amps	18.7	19.1	19.6	20.2	20.0	20.4	21.0	21.7	21.5	22.0	22.6	23.4	22.8	23.3	24.0	24.8	24.1	24.6	25.4	26.3	25.4	26.0	26.8	27.7		
Hi PR	245	263	278	290	275	296	312	326	312	336	355	370	356	383	404	422	400	431	455	475	442	476	503	524			
Lo PR	108	115	125	133	114	121	132	141	118	126	138	147	124	132	145	154	130	139	151	161	135	144	157	167			
MBh	51.4	52.4	54.8	58.5	50.2	51.1	53.6	57.1	49.0	49.9	52.3	55.8	47.8	48.7	51.0	54.4	45.4	46.3	48.5	51.7	42.0	42.9	44.9	47.9			
S/T	0.86	0.83	0.75	0.61	0.89	0.86	0.77	0.63	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.66	0.98	0.94	0.85	0.69	0.98	0.95	0.86	0.70			
ΔT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	24	21	26	25	24	21	24	24	22	19			
kW	4.19	4.28	4.41	4.54	4.50	4.60	4.74	4.89	4.78	4.88	5.03	5.20	5.02	5.13	5.29	5.47	5.23	5.34	5.51	5.70	5.41	5.52	5.70	5.89			
Amps	18.2	18.6	19.1	19.8	19.5	19.9	20.5	21.2	21.0	21.4	22.0	22.8	22.2	22.7	23.4	24.2	23.5	24.0	24.8	25.6	24.8	25.3	26.1	27.0			
Hi PR	237	256	270	281	266	287	303	316	303	326	344	359	345	371	392	409	388	418	441	460	429	462	488	509			
Lo PR	105	111	122	129	111	118	128	137	115	122	133	142	121	128	140	149	127	135	147	156	131	139	152	162			

IDB: Entering Indoor Dry Bulb Temperature  
 High & low pressures are measured at the liquid & suction service valves.  
 Amps = outdoor unit amps (comp. + evaporator + compressor fan)

Shaded area reflects AHR1 Rating conditions  
 Design Subcooling, 10±2 °F @ liquid access fitting connection AHR1 95 test conditions; design Superheat 15-18°F @ compressor suction access fitting connection

kW = Total system power

## EXPANDED HEATING DATA

### WGPH4524AM

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	29.4	27.8	26.2	24.5	23.4	22.7	21.1	19.4	15.6	14.4	13.2	12.5	12.0	10.8	9.6	8.4	7.1	5.8
ΔT	31.7	30.0	28.2	26.4	25.2	24.4	22.7	20.9	16.8	15.5	14.3	13.5	13.0	11.6	10.3	9.0	7.7	6.3
kW	2.08	2.04	2.00	1.96	1.94	1.92	1.88	1.84	1.81	1.77	1.73	1.71	1.69	1.65	1.61	1.57	1.53	1.49
Amps	10.8	10.2	9.6	9.2	8.9	8.8	8.4	8.0	7.8	7.5	7.2	7.1	7.0	6.8	6.4	6.2	5.8	5.4
COP	4.14	4.00	3.84	3.66	3.54	3.46	3.28	3.09	2.52	2.38	2.24	2.15	2.09	1.92	1.74	1.56	1.36	1.15
EER	14.2	13.7	13.1	12.5	12.1	11.8	11.2	10.6	8.6	8.1	7.7	7.3	7.1	6.6	6.0	5.3	4.7	3.9
Hi PR	388	372	358	342	334	328	315	302	290	277	266	259	255	245	235	226	218	210
Lo PR	145	134	126	115	109	105	96	86	77	69	61	57	55	46	40	34	29	23

### WGPH4530AM

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	34.4	32.6	30.7	28.7	27.4	26.6	24.7	22.7	18.8	17.4	16.0	15.1	14.5	13.0	11.6	10.1	8.6	7.1
ΔT	31.9	30.2	28.4	26.6	25.4	24.6	22.8	21.1	17.4	16.1	14.8	14.0	13.5	12.1	10.7	9.3	8.0	6.5
kW	2.31	2.27	2.22	2.18	2.15	2.13	2.09	2.04	2.08	2.03	1.98	1.95	1.93	1.89	1.84	1.79	1.74	1.69
Amps	11.4	10.7	10.0	9.5	9.2	9.0	8.5	8.2	7.8	7.5	7.2	7.1	7.0	6.7	6.3	6.0	5.6	5.1
COP	4.36	4.21	4.04	3.86	3.73	3.65	3.46	3.26	2.65	2.51	2.36	2.26	2.20	2.03	1.84	1.65	1.45	1.22
EER	14.9	14.4	13.8	13.2	12.8	12.5	11.8	11.2	9.1	8.6	8.1	7.7	7.5	6.9	6.3	5.6	4.9	4.2
Hi PR	383	368	353	338	330	324	311	299	286	273	262	256	251	242	233	223	215	208
Lo PR	138	128	120	110	104	100	92	82	74	66	58	54	52	44	38	32	28	22

### WGPH4536AM

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	44.6	42.2	39.8	37.2	35.5	34.4	32.0	29.5	23.2	21.4	19.7	18.6	17.9	16.1	14.3	12.4	10.6	8.7
ΔT	34.4	32.6	30.7	28.7	27.4	26.5	24.7	22.7	17.9	16.5	15.2	14.4	13.8	12.4	11.0	9.6	8.2	6.7
kW	3.24	3.18	3.11	3.05	3.01	2.98	2.92	2.85	2.43	2.37	2.32	2.29	2.26	2.21	2.15	2.10	2.04	1.99
Amps	17.4	16.2	15.3	14.5	14.1	13.9	13.2	12.6	12.2	11.7	11.3	11.1	10.9	10.5	9.9	9.5	8.9	8.3
COP	4.03	3.89	3.74	3.57	3.45	3.38	3.21	3.02	2.80	2.64	2.49	2.38	2.32	2.13	1.94	1.73	1.52	1.28
EER	13.8	13.3	12.8	12.2	11.8	11.5	11.0	10.3	9.6	9.0	8.5	8.1	7.9	7.3	6.6	5.9	5.2	4.4
Hi PR	454	435	418	400	390	383	368	353	338	323	310	303	297	286	275	264	254	245
Lo PR	137	127	119	109	103	99	91	81	73	65	57	53	52	44	38	32	28	22

### WGPH4543AM

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	50.2	47.5	44.7	41.8	39.9	38.7	35.9	33.1	23.2	21.4	19.7	18.6	17.9	16.1	14.3	12.4	10.6	8.7
ΔT	38.7	36.6	34.5	32.2	30.8	29.8	27.7	25.6	17.9	16.5	15.2	14.4	13.8	12.4	11.0	9.6	8.2	6.7
kW	3.45	3.38	3.31	3.24	3.20	3.17	3.10	3.03	2.43	2.37	2.32	2.29	2.26	2.21	2.15	2.10	2.04	1.99
Amps	18.5	17.3	16.3	15.5	15.0	14.8	14.0	13.4	12.9	12.5	12.0	11.7	11.6	11.1	10.5	10.0	9.4	8.7
COP	4.25	4.11	3.95	3.77	3.65	3.57	3.39	3.20	2.80	2.64	2.49	2.38	2.32	2.13	1.94	1.73	1.52	1.28
EER	14.5	14.0	13.5	12.9	12.5	12.2	11.6	10.9	9.6	9.0	8.5	8.1	7.9	7.3	6.6	5.9	5.2	4.4
HI PR	413	395	380	364	355	348	335	321	308	294	282	275	271	260	250	240	231	223
LO PR	143	133	125	114	108	104	96	85	77	69	60	56	54	46	39	33	29	23

#### Notes:

Above information is for nominal CFM and 70-degree indoor dry bulb. Instantaneous capacity listed.

High pressure is measured at the liquid line access fitting.

Low pressure is measured at the compressor suction access fitting.

Amps: Unit amps (comp.+ evaporator motor + condenser fan motor)

kW = Total system power

# PRODUCT SPECIFICATIONS

## EXPANDED HEATING DATA (CONT.)

### WGPH4549AM — Low Stage

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	40.0	37.8	35.6	33.3	31.8	30.8	28.6	26.4	21.8	20.1	18.5	17.5	16.9	15.1	13.4	11.7	10.0	8.2
ΔT	30.8	29.2	27.5	25.7	24.5	23.8	22.1	20.4	16.8	15.5	14.3	13.5	13.0	11.7	10.3	9.0	7.7	6.3
kW	3.04	2.98	2.92	2.86	2.83	2.80	2.74	2.69	2.81	2.74	2.68	2.64	2.62	2.55	2.49	2.43	2.36	2.30
Amps	11.5	10.8	10.2	9.7	9.4	9.3	8.8	8.5	8.2	7.9	7.6	7.5	7.4	7.1	6.8	6.5	6.1	5.7
COP	3.85	3.72	3.57	3.41	3.29	3.22	3.05	2.88	2.27	2.15	2.02	1.94	1.88	1.73	1.58	1.41	1.24	1.04
EER	13.1	12.7	12.2	11.6	11.2	11.0	10.4	9.8	7.8	7.3	6.9	6.6	6.4	5.9	5.4	4.8	4.2	3.6
Hi PR	395	379	364	348	340	334	321	308	295	282	270	264	259	249	240	230	222	214
Lo PR	139	129	121	111	105	101	93	83	75	67	59	54	52	44	38	32	28	22

### WGPH4549AM — High Stage

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	57.9	54.8	51.6	48.2	46.0	44.6	41.4	38.2	31.9	29.4	27.1	25.6	24.6	22.1	19.6	17.1	14.6	11.9
ΔT	39.8	37.7	35.5	33.2	31.7	30.7	28.5	26.3	21.9	20.2	18.6	17.6	17.0	15.2	13.5	11.8	10.0	8.2
kW	3.99	3.91	3.83	3.75	3.70	3.66	3.59	3.51	3.53	3.44	3.36	3.31	3.28	3.20	3.12	3.03	2.95	2.87
Amps	20.2	18.8	17.7	16.8	16.3	16.0	15.2	14.5	14.0	13.4	12.9	12.6	12.5	11.9	11.2	10.7	10.0	9.2
COP	4.25	4.11	3.95	3.77	3.64	3.56	3.38	3.19	2.64	2.50	2.36	2.26	2.20	2.02	1.84	1.65	1.45	1.22
EER	14.5	14.0	13.5	12.9	12.4	12.2	11.6	10.9	9.0	8.5	8.1	7.7	7.5	6.9	6.3	5.6	4.9	4.2
Hi PR	395	379	364	348	340	334	321	308	295	282	270	264	259	249	240	230	222	214
Lo PR	143	133	125	114	108	104	96	85	77	69	60	56	54	46	39	33	29	23

### WGPH4560AM — Low Stage

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	50.1	47.4	44.6	41.7	39.8	38.6	35.8	33.1	26.6	24.5	22.6	21.3	20.5	18.4	16.3	14.2	12.2	10.0
ΔT	34.3	32.5	30.6	28.6	27.3	26.5	24.6	22.7	18.2	16.8	15.5	14.6	14.1	12.6	11.2	9.8	8.3	6.8
kW	3.76	3.68	3.61	3.53	3.49	3.46	3.39	3.31	3.44	3.36	3.28	3.24	3.21	3.13	3.05	2.97	2.89	2.81
Amps	19.6	18.2	17.2	16.2	15.7	15.4	14.6	14.0	13.4	12.9	12.4	12.1	12.0	11.4	10.8	10.2	9.6	8.8
COP	3.90	3.76	3.62	3.45	3.34	3.26	3.09	2.92	2.26	2.13	2.01	1.93	1.87	1.72	1.57	1.40	1.23	1.04
EER	13.3	12.9	12.4	11.8	11.4	11.2	10.6	10.0	7.7	7.3	6.9	6.6	6.4	5.9	5.4	4.8	4.2	3.5
Hi PR	391	375	361	345	337	330	318	305	292	279	268	261	257	247	237	228	220	212
Lo PR	139	129	121	111	105	101	93	83	75	67	59	54	53	44	38	32	28	22

### WGPH4560AM — High Stage

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	70.4	66.6	62.7	58.6	56.0	54.3	50.4	46.5	38.9	35.9	33.0	31.2	30.0	27.0	23.9	20.8	17.8	14.6
ΔT	36.2	34.3	32.3	30.2	28.8	27.9	25.9	23.9	20.0	18.5	17.0	16.0	15.5	13.9	12.3	10.7	9.1	7.5
kW	5.24	5.14	5.04	4.94	4.88	4.83	4.74	4.63	4.52	4.42	4.32	4.26	4.22	4.12	4.02	3.92	3.82	3.72
Amps	26.6	24.8	23.4	22.1	21.4	21.0	20.0	19.1	18.4	17.7	16.9	16.6	16.4	15.7	14.8	14.1	13.2	12.1
COP	3.93	3.79	3.64	3.48	3.36	3.29	3.11	2.94	2.52	2.38	2.24	2.14	2.08	1.92	1.74	1.56	1.36	1.15
EER	13.4	13.0	12.5	11.9	11.5	11.2	10.6	10.0	8.6	8.1	7.7	7.3	7.1	6.5	5.9	5.3	4.7	3.9
Hi PR	411	394	379	362	354	347	333	320	306	293	281	274	269	259	249	239	230	222
Lo PR	130	121	113	104	98	94	87	77	70	62	55	51	49	42	36	30	26	21

#### Notes:

Above information is for nominal CFM and 70-degree indoor dry bulb. Instantaneous capacity listed.

High pressure is measured at the liquid line access fitting.

Amps: Unit amps (comp.+ evaporator motor + condenser fan motor)

Low pressure is measured at the compressor suction access fitting.

kW = Total system power



## AUXILIARY HEATING DATA

### WGPH4524AM

Conditions: 860 CFM; Indoor Air @ 70°F DB

Outdoor Ambient °F.	Basic Unit w/o Aux. Heat		Capacity of Unit w/ kW of Aux. Heat				
	Capacity BTU/h	COP	5K	8K	10K	15K	20K
65	29.41	4.14	45.80	56.72	62.18	---	---
60	27.85	4.00	44.23	55.15	60.61	---	---
55	26.21	3.84	42.59	53.51	58.97	---	---
50	24.50	3.66	40.88	51.80	57.26	---	---
45	22.67	3.46	39.06	49.98	55.44	---	---
40	21.06	3.28	37.44	48.36	53.82	---	---
35	19.42	3.09	35.80	46.73	52.19	---	---
30	15.59	2.52	31.97	42.89	48.35	---	---
25	14.39	2.38	30.77	41.69	47.15	---	---
20	13.25	2.24	29.63	40.55	46.01	---	---
15	12.05	2.09	28.43	39.35	44.81	---	---
10	10.81	1.92	27.19	38.11	43.57	---	---
5	9.58	1.74	25.97	36.89	42.35	---	---
0	8.36	1.56	24.74	35.66	41.12	---	---
-5	7.13	1.36	23.51	34.43	39.90	---	---
-10	5.84	1.15	22.22	33.15	38.61	---	---

### WGPH4530AM

Conditions: 1000 CFM; Indoor Air @ 70°F DB

Outdoor Ambient °F.	Basic Unit w/o Aux. Heat		Capacity of Unit w/ kW of Aux. Heat				
	Capacity BTU/h	COP	5K	8K	10K	15K	20K
65	34.44	4.36	51.51	61.75	68.57	85.64	---
60	32.61	4.21	49.67	59.91	66.74	83.80	---
55	30.69	4.04	47.75	57.99	64.82	81.88	---
50	28.69	3.86	45.75	55.99	62.82	79.88	---
45	26.55	3.65	43.62	53.85	60.68	77.75	---
40	24.66	3.36	41.73	51.96	58.79	75.86	---
35	22.74	3.26	39.81	50.05	56.87	73.94	---
30	18.81	2.70	35.88	46.12	52.94	70.01	---
25	17.37	2.55	34.43	44.67	51.50	68.56	---
20	15.99	2.40	33.06	43.29	50.12	67.19	---
15	9.89	2.24	26.95	37.19	44.02	61.08	---
10	8.87	2.06	25.94	36.18	43.00	60.07	---
5	7.87	1.87	24.93	35.17	42.00	59.06	---
0	6.86	1.67	23.93	34.16	40.99	58.06	---
-5	5.85	1.47	22.92	33.16	39.98	57.05	---
-10	7.05	1.23	24.12	34.36	41.18	58.25	---

### WGPH4536AM

Conditions: 1200 CFM; Indoor Air @ 70°F DB

Outdoor Ambient °F.	Basic Unit w/o Aux. Heat		Capacity of Unit w/ kW of Aux. Heat				
	Capacity BTU/h	COP	5K	8K	10K	15K	20K
65	44.59	4.02	60.97	71.89	77.35	93.73	---
60	42.21	3.89	58.59	69.51	74.97	91.36	---
55	39.73	3.74	56.11	67.03	72.49	88.87	---
50	37.14	3.57	53.52	64.44	69.90	86.28	---
45	34.37	3.38	50.75	61.67	67.14	83.52	---
40	31.92	3.20	48.31	59.23	64.69	81.07	---
35	29.44	3.02	45.82	56.74	62.20	78.59	---
30	23.20	2.80	39.58	50.50	55.97	72.35	---
25	21.41	2.64	37.80	48.72	54.18	70.56	---
20	19.72	2.49	36.10	47.02	52.48	68.87	---
15	17.93	2.32	34.31	45.24	50.70	67.08	---
10	16.09	2.13	32.47	43.39	48.85	65.23	---
5	14.26	1.94	30.65	41.57	47.03	63.41	---
0	12.44	1.73	28.82	39.74	45.20	61.59	---
-5	10.61	1.52	27.00	37.92	43.38	59.76	---
-10	8.70	1.28	25.08	36.00	41.46	57.84	---

#### Notes

- COP: Coefficient of performance
- To obtain BTU capacity of the unit with Kw of auxiliary heat, multiply by 1000 ( example 39.01 x 1000 = 39,010 BTU'S)

# PRODUCT SPECIFICATIONS

## AUXILIARY HEATING DATA (CONT.)

### WGPH4543AM

Conditions: 1350 CFM; Indoor Air @ 70°F DB

Outdoor Ambient °F.	Basic Unit w/o Aux. Heat		Capacity of Unit w/ kW of Aux. Heat				
	Capacity BTU/h	COP	5K	8K	10K	15K	20K
65	50.28	4.31	67.35	77.58	84.41	101.48	---
60	47.60	4.16	64.67	74.90	81.73	98.80	---
55	44.80	4.00	61.87	72.10	78.93	96.00	---
50	41.88	3.82	58.95	69.18	76.01	93.08	---
45	38.76	3.61	55.83	66.06	72.89	89.96	---
40	36.00	3.43	53.07	63.30	70.13	87.20	---
35	33.20	3.24	50.27	60.50	67.33	84.40	---
30	24.92	2.53	41.99	52.22	59.05	76.12	---
25	23.00	2.39	40.07	50.30	57.13	74.20	---
20	21.18	2.25	38.25	48.48	55.31	72.38	---
15	19.26	2.10	36.33	46.56	53.39	70.46	---
10	17.28	1.93	34.35	44.58	51.41	68.48	---
5	15.32	1.76	32.39	42.62	49.45	66.52	---
-5	11.40	1.38	28.47	38.70	45.53	62.60	---
-10	9.34	1.16	26.41	36.64	43.47	60.54	---

### WGPH4549AM

Conditions: 1700 CFM Indoor Air @ 70°F DB

Outdoor Ambient °F.	Basic Unit w/o Aux. Heat		Capacity of Unit w/ kW of Aux. Heat				
	Capacity BTU/h	COP	5K	8K	10K	15K	20K
65	57.38	4.00	73.76	84.69	90.15	106.53	122.91
60	54.32	3.86	70.71	81.63	87.09	103.47	119.85
55	51.13	3.70	67.51	78.43	83.89	100.28	116.66
50	47.80	3.53	64.18	75.10	80.56	96.94	113.33
45	44.23	3.34	60.62	71.54	77.00	93.38	109.76
40	41.09	3.16	57.47	68.39	73.85	90.23	106.61
35	37.89	2.98	54.27	65.19	70.65	87.04	103.42
30	30.65	2.45	47.03	57.96	63.42	79.80	96.18
25	28.29	2.32	44.67	55.59	61.05	77.44	93.82
20	26.05	2.18	42.43	53.36	58.82	75.20	91.58
15	23.69	2.03	40.07	50.99	56.45	72.84	89.22
10	21.25	1.86	37.64	48.56	54.02	70.40	86.78
5	18.84	1.69	35.23	46.15	51.61	67.99	84.37
0	16.43	1.51	32.82	43.74	49.20	65.58	81.96
-5	14.02	1.32	30.40	41.33	46.79	63.17	79.55
-10	11.49	1.11	27.87	38.79	44.25	60.64	77.02

### WGPH4560AM

Conditions: 1800 CFM; Indoor Air @ 70°F DB

Outdoor Ambient °F.	Basic Unit w/o Aux. Heat		Capacity of Unit w/ kW of Aux. Heat				
	Capacity BTU/h	COP	5K	8K	10K	15K	20K
65	70.39	3.93	86.77	97.70	103.16	119.54	135.92
60	66.64	3.79	83.02	93.94	99.40	115.79	132.17
55	62.72	3.64	79.10	90.02	95.48	111.87	128.25
50	58.63	3.48	75.01	85.94	91.40	107.78	124.16
45	54.26	3.29	70.65	81.57	87.03	103.41	119.79
40	50.40	3.11	66.78	77.70	83.16	99.55	115.93
35	46.48	2.94	62.86	73.78	79.24	95.63	112.01
30	38.88	2.52	55.26	66.18	71.64	88.02	104.40
25	35.88	2.38	52.26	63.18	68.64	85.03	101.41
20	33.04	2.24	49.42	60.34	65.81	82.19	98.57
15	30.05	2.08	46.43	57.35	62.81	79.19	95.58
10	26.96	1.92	43.34	54.26	59.72	76.10	92.49
5	23.90	1.74	40.28	51.20	56.66	73.05	89.43
0	20.84	1.56	37.22	48.15	53.61	69.99	86.37
-5	17.78	1.36	34.17	45.09	50.55	66.93	83.31
-10	14.57	1.15	30.95	41.87	47.34	63.72	80.10

#### Notes

- COP: Coefficient of performance
- To obtain BTU capacity of the unit with Kw of auxiliary heat, multiply by 1000 ( example 39.01 x 1000 = 39,010 BTU'S)

## HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE)

Model & Heat Kit Usage	Circuit #1		Circuit #2		Actual kW / BTU@ 240V
	MCA <sup>1</sup>	MOP <sup>2</sup>	MCA <sup>1</sup>	MOP <sup>2</sup>	
<b>WGPH4524AM</b>	4.3 / 4.3	--	--	--	--
HKR-05*, HKR-05C*	24 / 27	30 / 30	--	--	4.75 / 16,200
HKR-08*, HKR-08C*	34 / 39	40 / 40	--	--	7.0 / 23,800
HKR-10*, HKR-10C*	45 / 52	60 / 60	--	--	9.5 / 32,400
<b>WGPH4530AM</b>	4.3 / 4.3	--	--	--	--
HKR-05*, HKR-05C*	24 / 27	30 / 30	--	--	4.75 / 16,200
HKR-08*, HKR-08C*	34 / 39	40 / 40	--	--	7.0 / 23,800
HKR-10*, HKR-10C*	45 / 52	60 / 60	--	--	9.5 / 32,400
HKR-15*, HKR-15C*	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
<b>WGPH4536AM</b>	4.3 / 4.3	--	--	--	--
HKR-05*, HKR-05C*	24 / 27	30 / 30	--	--	4.75 / 16,200
HKR-08*, HKR-08C*	34 / 39	40 / 40	--	--	7.0 / 23,800
HKR-10*, HKR-10C*	45 / 52	60 / 60	--	--	9.5 / 32,400
HKR-15*, HKR-15C*	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
<b>WGPH4543AM</b>	2.9/2.9	--	--	--	--
HKR05A,CA	24 / 27	30 / 30	--	--	4.75 / 16,200
HKR08A,CA	34 / 39	40 / 40	--	--	7.0 / 23,800
HKR10A,CA	45 / 52	60 / 60	--	--	9.5 / 32,400
HKR15A,CA	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
<b>WGPH4549AM</b>	2.9/2.9	--	--	--	--
HKR05A,CA	25 / 28	30 / 30	----	----	4.75 / 16,200
HKR08A,CA	34 / 40	40 / 40	----	----	7.00 / 23,800
HKR10A,CA	46 / 53	60 / 60	----	----	9.50 / 32,400
HKR15A,CA	46 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
HKR20A,CA	46 / 52	60 / 60	43 / 49	60 / 60	19.50 / 66,500
<b>WGPH4560AM</b>	7.0 / 7.0	--	--	--	--
HKR-05*, HKR-05C*	29 / 30	30 / 30	--	--	4.75 / 16,200
HKR-08*, HKR-08C*	39 / 40	40 / 40	--	--	7.0 / 23,800
HKR-10*, HKR-10C*	51 / 58	60 / 60	--	--	9.5 / 32,400
HKR-15*, HKR-15C*	51 / 58	60 / 60	22 / 25	30 / 30	14.25 / 48,600
HKR-20*, HKR-20C*	51 / 58	60 / 60	43 / 49	60 / 60	19.5 / 66,500

<sup>1</sup> Minimum Circuit Ampacity @ 460 V

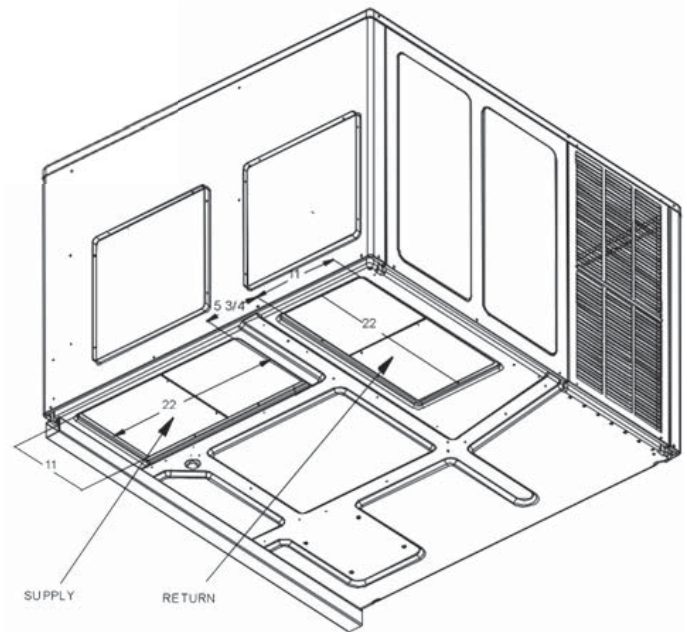
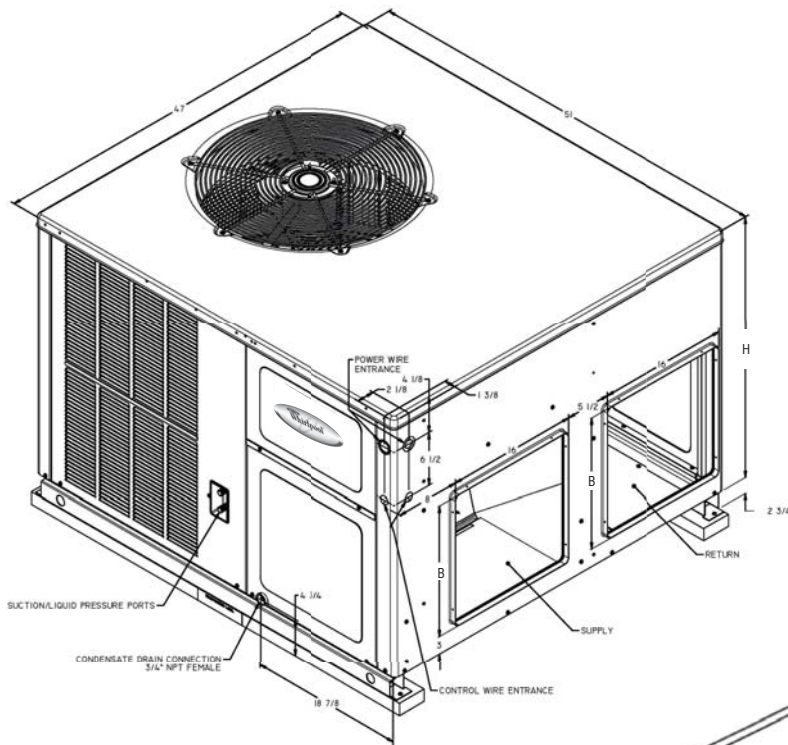
<sup>2</sup> Maximum Overcurrent Protection device @ 460 V

\* Revision level that may or may not be designated

C Circuit Breaker option

# PRODUCT SPECIFICATIONS

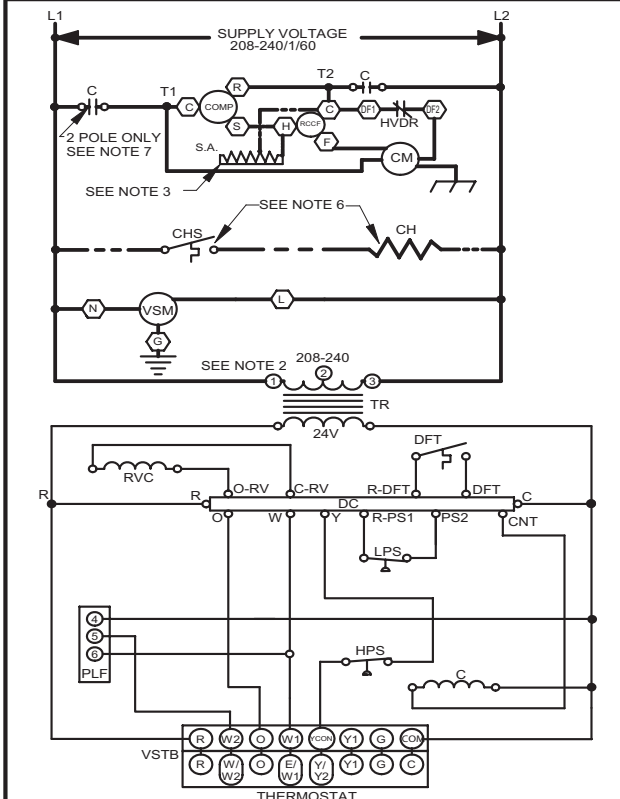
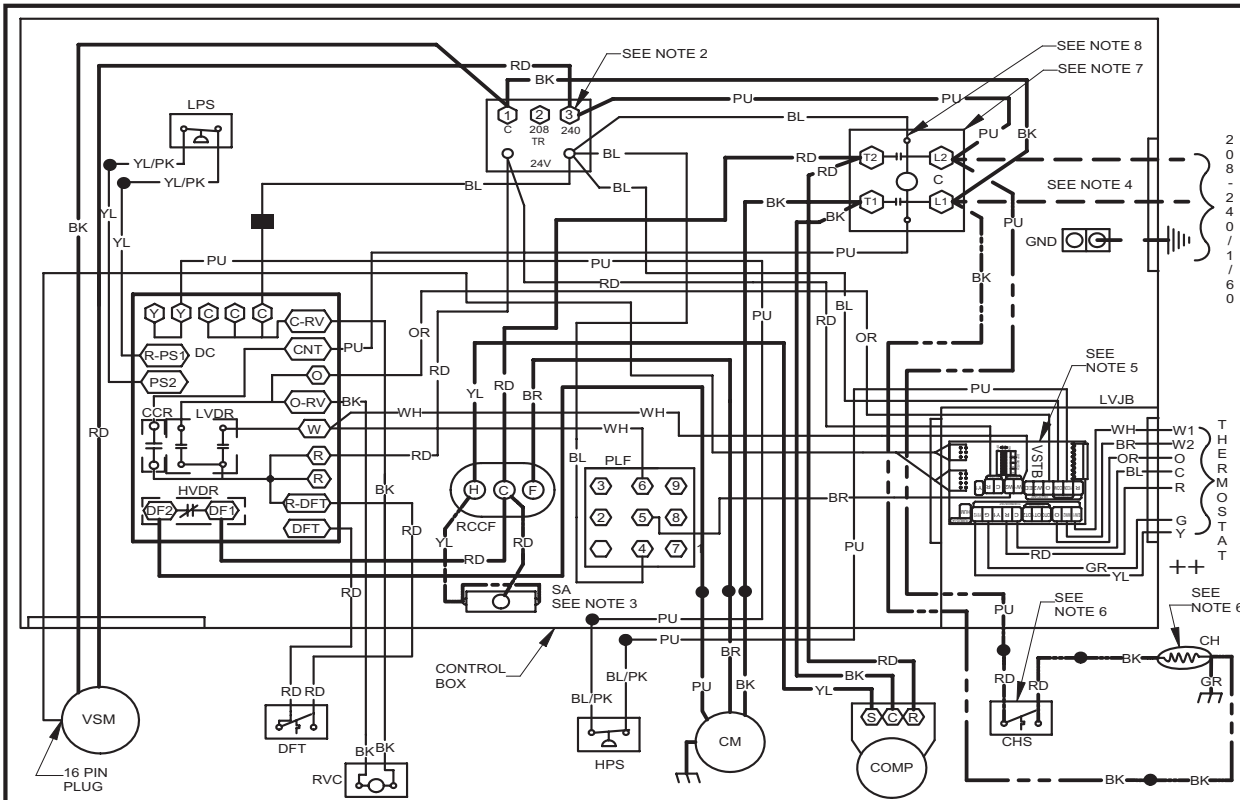
## DIMENSIONS



## DIMENSIONS

Model	Med.	Large	W"	D'	H'	B	H
WGPH4524AM	X		47	51	34 <sup>3</sup> / <sub>4</sub>	16"	32 <sup>1</sup> / <sub>2</sub> "
WGPH4530AM	X		47	51	34 <sup>3</sup> / <sub>4</sub>	16"	32 <sup>1</sup> / <sub>2</sub> "
WGPH4536AM	X		47	51	34 <sup>3</sup> / <sub>4</sub>	16"	32 <sup>1</sup> / <sub>2</sub> "
WGPH4543AM		X	47	51	42 <sup>1</sup> / <sub>4</sub>	18"	40"
WGPH4549AM		X	47	51	42 <sup>1</sup> / <sub>4</sub>	18"	40"
WGPH4560AM		X	47	51	42 <sup>1</sup> / <sub>4</sub>	18"	40"

WIRING DIAGRAM — WGP4524AM\*\* - 4543AM\*\*



COMPONENT LEGEND		FACTORY WIRING
C	CONTACTOR	— LINE VOLTAGE
CCR	COMPRESSOR CONTACTOR RELAY	— LOW VOLTAGE
CH	CRANKCASE HEATER	— OPTIMAL HIGH VOLTAGE
CHS	CRANKCASE HEATER SWITCH	---
CM	CONDENSER MOTOR	---
COMP	COMPRESSOR	---
DC	DEFROST CONTROL	---
DFT	DEFROST THERMOSTAT	---
GND	EQUIPMENT GROUND	---
HPS	HIGH PRESSURE SWITCH	---
HVDR	HIGH VOLTAGE DEFROST RELAY	---
LPS	LOW PRESSURE SWITCH	---
LVDR	LOW VOLTAGE DEFROST RELAY	---
LVJB	LOW VOLTAGE JUNCTION BOX	---
PLF	FEMALE PLUG / CONNECTOR	---
RVC	REVERSING VALVE COIL	---
RCCF	RUN CAPACITOR FOR COMPRESSOR AND FAN	---
SA	START ASSIST	---
TR	TRANSFORMER	---
VSM	VARIABLE SPEED MOTOR	---
VSTB	VARIABLE SPEED TERM BLOCK	---

FIELD WIRING	
---	HIGH VOLTAGE
---	LOW VOLTAGE

WIRE CODE	
BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW

- NOTES:
- REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
  - FOR 208 VOLT TRANSFORMER OPERATION MOVE PURPLE AND RED WIRES FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
  - START ASSIST FACTORY EQUIPPED WHEN REQUIRED.
  - USE COPPER CONDUCTORS ONLY.
  - ++ USE N.E.C. CLASS 2 WIRE.
  - REFER TO IO INSTRUCTIONS FOR SPEED SETTING.
  - CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
  - DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.
  - COMMON SIDE OF CONTACTOR CAN NOT BE GROUNDED OR CONNECTED TO ANY OTHER COMMON (24V).
- SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION



WARNING

**HIGH VOLTAGE!**

**Disconnect all power before servicing or installing this unit.**

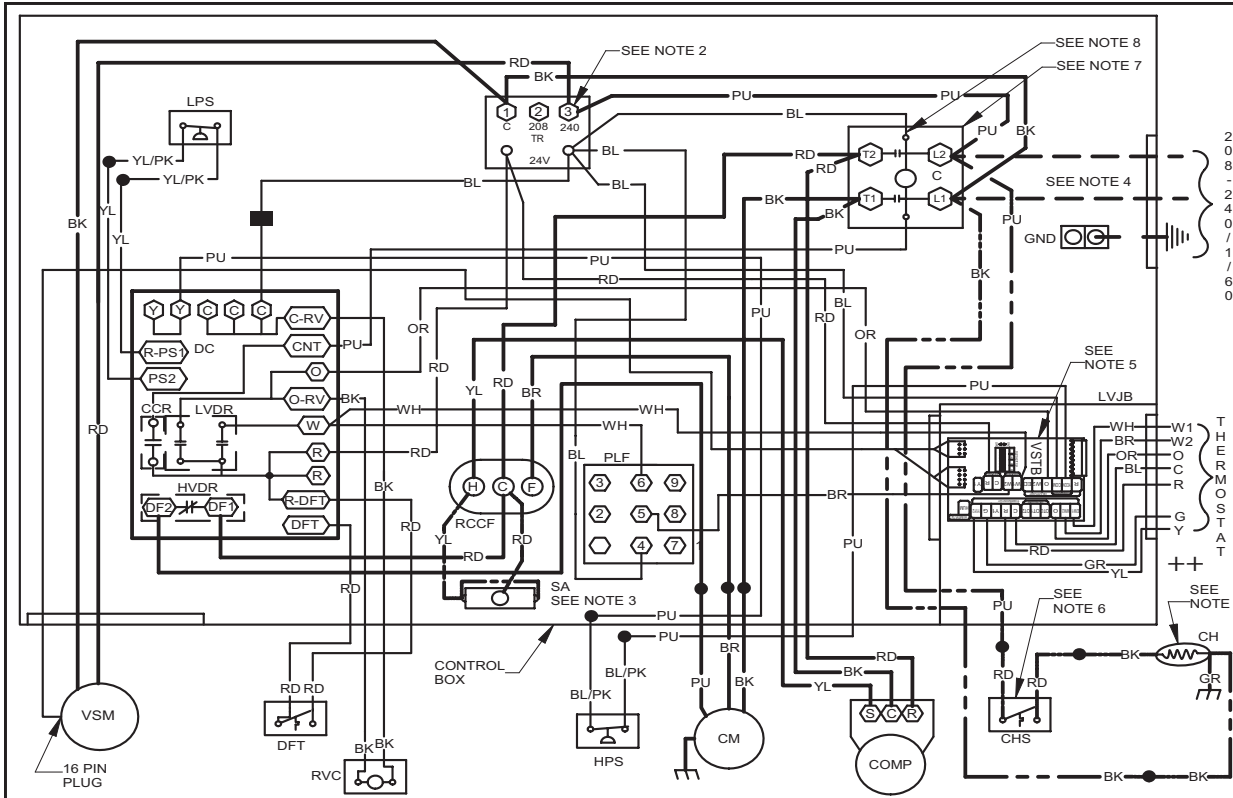
**Multiple power sources may be present.**

**Failure to do so may cause property damage, personal injury, or death.**

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

# PRODUCT SPECIFICATIONS

## WIRING DIAGRAM — WGP4549AM\*\* - 4560AM\*\*

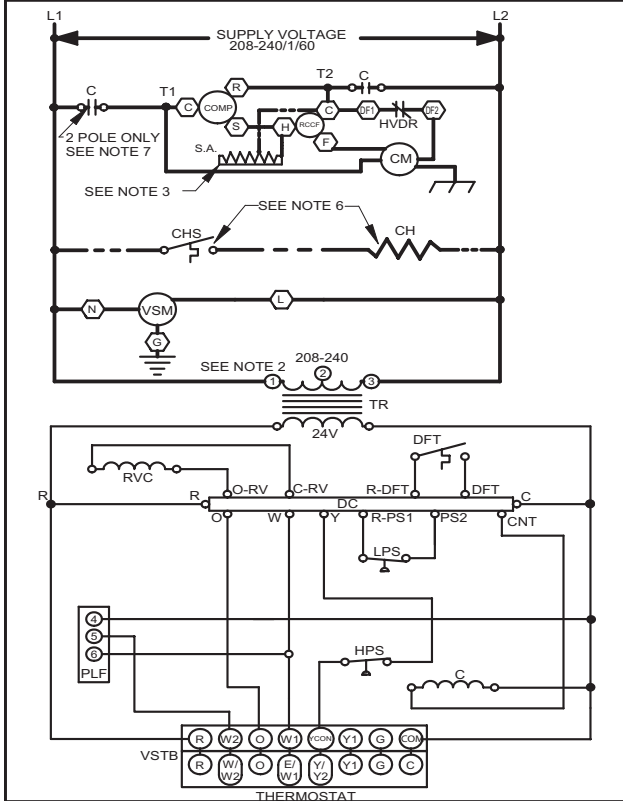


**WARNING**

**HIGH VOLTAGE!**

**Disconnect all power before servicing or installing this unit.  
Multiple power sources may be present.  
Failure to do so may cause property damage, personal injury, or death.**

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.



**COMPONENT LEGEND**

C	CONTACTOR
CCR	COMPRESSOR CONTACTOR RELAY
CH	CRANKCASE HEATER
CHS	CRANKCASE HEATER SWITCH
CM	CONDENSER MOTOR
COMP	COMPRESSOR
DC	DEFROST CONTROL
DFT	DEFROST THERMOSTAT
GND	EQUIPMENT GROUND
HPS	HIGH PRESSURE SWITCH
HVDR	HIGH VOLTAGE DEFROST RELAY
LPS	LOW PRESSURE SWITCH
LVDR	LOW VOLTAGE DEFROST RELAY
LVJB	LOW VOLTAGE JUNCTION BOX
PLF	FEMALE PLUG / CONNECTOR
RVC	REVERSING VALVE COIL
RCCF	RUN CAPACITOR FOR COMPRESSOR AND FAN
SA	START ASSIST
TR	TRANSFORMER
VSM	VARIABLE SPEED MOTOR
VSTB	VARIABLE SPEED TERM BLOCK

**FACTORY WIRING**

—	LINE VOLTAGE
---	LOW VOLTAGE
- - -	OPTIMAL HIGH VOLTAGE

**FIELD WIRING**

- - -	HIGH VOLTAGE
- - -	LOW VOLTAGE

**WIRE CODE**

BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW

**NOTES:**

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
2. FOR 208 VOLT TRANSFORMER OPERATION MOVE PURPLE AND RED WIRES FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
3. START ASSIST FACTORY EQUIPPED WHEN REQUIRED.
4. USE COPPER CONDUCTORS ONLY.
- ++ USE N.E.C. CLASS 2 WIRE.
6. CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
7. DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.
8. COMMON SIDE OF CONTACTOR CAN NOT BE GROUNDED OR CONNECTED TO ANY OTHER COMMON (24V).

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION

208-240/1/60 0140G01638-A

## DIPSWITCH SETTINGS

Model	Cooling		Heating		CFM	Speed Tap
	1	2	5	6		
WGPH4524	Off	Off	Off	Off	1,050	A*
	On	Off	On	Off	950	B
	Off	On	Off	On	825	C
	On	On	On	On	700	D
WGPH4530	Off	Off	Off	Off	1,250	A*
	On	Off	On	Off	1,100	B
	Off	On	Off	On	1,000	C
	On	On	On	On	800	D
WGPH4536	Off	Off	Off	Off	1,250	A*
	On	Off	On	Off	1,100	B
	Off	On	Off	On	1,000	C
	On	On	On	On	800	D
WGPH4543, WGPH4549	Off	Off	Off	Off	1,800	A*
	On	Off	On	Off	1,700	B
	Off	On	Off	On	1,400	C
	On	On	On	On	1,225	D
WGPH4560	Off	Off	Off	Off	2,000	A*
	On	Off	On	Off	1,800	B
	Off	On	Off	On	1,600	C
	On	On	On	On	1,400	D

\* denotes factory setting

### Notes

- **Important:** Disconnect power to unit before moving jumper to prevent damage to TAP board
- Adjust Tap:  
Normal: \* 7 OFF, 8 OFF  
Minus: 7 OFF, 8 ON  
Plus: 7 ON, 8 OFF
- On two-stage models, low-stage cool will be 70% of high-stage
- Fan-only setting is 50% of high cool

# PRODUCT SPECIFICATIONS

## ACCESSORIES

Item	Description
20464501PDGK	Horizontal Duct Cover for Medium Chassis
20464502PDGK	Horizontal Duct Cover for Large Chassis
APH15MED102/ 103*	Downflow Economizer for Medium/ Large Chassis
APH15MFR102/ 103*	Internal filter rack for Medium/ Large Chassis — Downflow Applications
OT18-60A	Outdoor Thermostat Kit with Lockout Stat
OT/EHR18-60	Emergency Heat Relay kit
PCFR102/ 103	External Horizontal Filter Rack for Medium/ Large Chassis
PGC102/ 103*	Roof Curb for Medium/ Large Chassis
PGMDD102*	Manual Damper for Downflow Application — Medium Chassis
PGMDMD102*	Motorized Damper for Downflow Application — Medium Chassis
PGMDD103*	Manual Damper for Downflow Application — Large Chassis
PGMDMD103*	Motorized Damper for Downflow Application — Large Chassis
PGMDH102*	Manual 25% Fresh Air Damper for Medium Chassis — Horizontal Applications
PGMDH103*	Manual 25% Fresh Air Damper for Large Chassis — Horizontal Applications
PGMDMH102*	Motorized 25% Fresh Air Damper for Medium Chassis — Horizontal Applications
PGMDMH103*	Motorized 25% Fresh Air Damper for Large Chassis — Horizontal Applications
SQRPG102*	Square-to-Round Adapter with 16" Round for Medium Chassis— Downflow Applications
SQRPG103*	Square-to-Round Adapter with 18" Round for Large Chassis— Downflow Applications
SQRPGH102*	Square-to-Round Adapters for Medium Chassis — 16" & 14"
SQRPGH103*	Square-to-Round Adapters for Large Chassis — 18" & 14"

\* Offered by McDaniel Metals • Main: (281) 987-8400 • Fax: (281) 987-9494



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