



*Unitary
Products
Service Tips*

DATE: April 10, 2016

ST-004-16

TO: All Branch Service Managers
All Distribution Service Managers
All Regional Managers

SUBJECT: LX Series residential package unit rating plate information for **single** point and **multi** point wiring applications, approved accessory heat kits and single point wiring accessory kits.

Product Models: PCE4*, PHE4*

New platform LX Series heat pump residential package units began shipping in July of 2015. New platform LX Series cooling only residential package units began shipping in August of 2015.

Both series units use our S1-6HK series electric heat kits. Both series units can be applied with single source or multi source power supplies when an accessory heat kit is installed. When using electric heat kits, a single source power supply requires the use of a single source power supply accessory kit S1-2SPWK***. No package unit models are available with factory installed electric heat packages. Initial rating plate layout on these model units only contained data for single point power connections.

Before a unit can be shipped from the manufacturing facility for distribution and installation the rating plate must be approved by the appropriate rating agency. Even though the rating plate only listed single point wiring data, these units WERE approved for both single point and multi point wiring connections. The data for multi point wiring can be found in the unit installation manual as well as unit technical guide.

Some local mechanical and / or electrical inspection departments did not approve of the initial rating plate layout. For the customer's convenience, we made a decision to add multi point wiring information along with single point wiring information to the rating plate. Initial rating plates also

contained the unit refrigerant charging chart. An image of the initial rating plate is shown below.



Model Number
(Número de modelo)
PHE4B4821A

Serial Number
(Número de serie)
W1N5215888

Electrical Loads

Compressor (Compresseur) 208-230 V 1 PH 60 HZ 22.0 RLA 117 LRA
ID Blower (Souffleur D.I.) 208-230 V 1 PH 60 HZ 5.4 FLA 3/4 HP
OD Fan (Ventilateur D.E.) 208-230 V 1 PH 60 HZ 1.7 FLA 1/3 HP

Factory Refrigerant Charge (R410A): 12 lbs 13 oz

Minimum test pressures (Pression d'essai min) High Side—445 PSIG Low Side—236 PSIG

Electric Heat

Heater Kit Model (Unité de chauffage)	Heater kW (Chauffage kW)	Min Circ Amp.	Max Fuse or Breaker
208 / 230	208 / 230	208 / 230	208 / 230
[] NONE	.0 / .0	34.4 / 34.4	50 / 50
[] 6HK(0.1)6500506	3.6 / 4.4	56.0 / 58.3	70 / 70
[] 6HK(0.1)6500806	5.8 / 7.1	69.2 / 72.9	80 / 80
[] 6HK(0.1)6501006	7.2 / 8.8	77.6 / 82.2	90 / 90
[] 6HK(1.2)6501306	9.4 / 11.5	90.8 / 96.9	100 / 100
[] 6HK(1.2)6501506	10.8 / 13.2	99.3 / 106.1	100 / 110
[] 6HK(1.2)6501806	13.0 / 15.9	112.5 / 120.8	125 / 125
[] 6HK(1.2)6502006	14.4 / 17.6	120.9 / 130.0	125 / 150

Mark Heater Kit Installed With [X] in Box Above.
 (Indiquer les options installées par un [X] entre les crochets)

R-410A Charging Chart

Outdoor Ambient DB °F	Suction Pressure - PSIG																		
	112	115	119	123	127	130	134	138	141	145	149	153	156						
	Suction Temperature - Fahrenheit																		
55	57	58	60	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	
60	58	59	60	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	
65	56	57	58	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
70	54	55	56	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73
75	52	53	54	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
80	50	51	52	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69
85	48	49	50	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67
90	46	47	48	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
95	44	45	46	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
100	42	43	44	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61
105	40	41	42	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
110	38	39	40	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
115	36	37	38	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
120	34	35	36	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
125	32	33	34	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51

Incorrect system charging can reduce system capacity and efficiency and may cause equipment damage.

Johnson Controls Limited Products, 5005 York Drive, Norman, OK 73069
 Country of Origin: USA

To make room for the additional electrical heat multi point information, a separate charging chart label is provided on the unit. The new charging chart label is located on the inside of the compressor access panel. An image of the new charging chart is shown below.



Model Number
(Número de modelo)
PHE4B4821A

Serial Number
(Número de serie)
W1N5215888

R-410A Charging Chart

Outdoor Ambient DB °F	Suction Pressure - PSIG																		
	112	115	119	123	127	130	134	138	141	145	149	153	156						
	Suction Temperature - Fahrenheit																		
55	57	58	60	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	
60	58	59	60	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	
65	56	57	58	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
70	54	55	56	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73
75	52	53	54	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
80	50	51	52	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69
85	48	49	50	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67
90	46	47	48	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
95	44	45	46	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
100	42	43	44	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61
105	40	41	42	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
110	38	39	40	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
115	36	37	38	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
120	34	35	36	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
125	32	33	34	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51

Incorrect system charging can reduce system capacity and efficiency and may cause equipment damage.

The new format of unit rating plates went into production in February of 2016. Keep in mind the initial version of rating plates are approved by the

appropriate agency for single or multi point wiring. An image of the current version rating plate is shown below.

Model Number PHE4B4821A
(Numero de modele)

Serial Number
(Numero de serie)

Electrical Loads

Compressor (Compresseur) 208-230 V 1 PH 60 HZ 22.0 LRA 117.0 LRA
 ID Blower (Souffleur D1) 208-230 V 1 PH 60 HZ 5.4 FLA 3/4 HP
 OD Fan (Ventilateur D.E.) 208-230 V 1 PH 60 HZ 1.7 FLA 1/3 HP

Factory Refrigerant Charge (R410A): 12 lbs 13 oz
(Charge a l'usine)

Minimum test pressures High Side - 445 PSIG Low Side - 236 PSIG
(Pression d'essai min)

Electric Heat: Single Source Power

Heater Kit Model <small>(Unité de chauffage)</small>	Heater kW <small>(Chauffage kW)</small>		Min Circ Amp.		Max Fuse or Breaker 208 / 230
	208 / 230	208 / 230	208 / 230	208 / 230	
<input type="checkbox"/> NONE	.00	/ .00	34.40	/ 34.40	50 / 50
<input type="checkbox"/> 6HK16500506	3.60	/ 4.40	56.00	/ 58.30	70 / 70
<input type="checkbox"/> 6HK16500806	5.80	/ 7.10	69.20	/ 72.90	80 / 80
<input type="checkbox"/> 6HK16501006	7.20	/ 8.80	77.60	/ 82.20	90 / 90
<input type="checkbox"/> 6HK16501306	9.40	/ 11.50	90.80	/ 96.90	100 / 100
<input type="checkbox"/> 6HK16501506	10.80	/ 13.20	99.30	/ 106.10	100 / 110
<input type="checkbox"/> 6HK16501806	13.00	/ 15.90	112.50	/ 120.80	125 / 125
<input type="checkbox"/> 6HK16502006	14.40	/ 17.60	120.90	/ 130.00	125 / 150

Mark Heater Kit Installed With [X] in Box Above.
(Indiquer les options installées par un [X] entre les crochets)

Electric Heat: Multi-Source Power

Heater Kit Model <small>(Unité de chauffage)</small>	Min Circ Amp.			Max Fuse or Breaker 208 / 230
	208 / 230	CKT 2	CKT 3	
<input type="checkbox"/> NONE	34.4 / 34.4	/	/	50 / 50
<input type="checkbox"/> 6HK(O,1)6500506C	34.4 / 34.4	21.6 / 23.9	/	50 / 50 25 / 25
<input type="checkbox"/> 6HK(O,1)6500806C	34.4 / 34.4	34.9 / 38.6	/	50 / 50 40 / 40
<input type="checkbox"/> 6HK(O,1)6501006C	34.4 / 34.4	43.3 / 47.8	/	50 / 50 45 / 50
<input type="checkbox"/> 6HK1651306	34.4 / 34.4	56.5 / 62.5	21.6 / 23.9	50 / 50 40 / 45 20 / 25
<input type="checkbox"/> 6HK1651506	34.4 / 34.4	43.3 / 47.8	21.6 / 23.9	50 / 50 50 / 50 25 / 25
<input type="checkbox"/> 6HK1651806	34.4 / 34.4	52.1 / 57.6	26.0 / 28.8	50 / 50 40 / 45 40 / 45
<input type="checkbox"/> 6HK1652006	34.4 / 34.4	43.3 / 47.8	43.3 / 47.8	50 / 50 45 / 50 45 / 50
<input type="checkbox"/> 6HK2651306	34.4 / 34.4	58.5 / 62.5	/	50 / 50 60 / 70
<input type="checkbox"/> 6HK2651506	34.4 / 34.4	64.9 / 71.7	/	50 / 50 70 / 80
<input type="checkbox"/> 6HK2651806	34.4 / 34.4	78.1 / 86.4	/	50 / 50 80 / 90
<input type="checkbox"/> 6HK2652006	34.4 / 34.4	86.5 / 95.7	/	50 / 50 90 / 100

Mark Heater Kit Installed With [X] in Box Above.
(Indiquer les options installées par un [X] entre les crochets)

Johnson Controls Unitary Products, 5005 York Drive, Norman, OK 73069
Country of Origin: USA

If you have a unit that will not pass inspection due to the initial rating plate with the unit wired for multi point power, we can provide you with an additional information label and new charging label. This will be addressed on a case by case basis and only provided if absolutely necessary.

If you require additional information label and charging label contact UPG Residential Technical Services distributor support at 1-877-UPG-SERV (1-877-874-7378) or email us at cg-upgtechsupport@jci.com. A photograph of the initial rating plate must be provided to Technical Services.

There will be no labor allowance provided to install the additional information label, as the initial rating plate was approved by the appropriate rating agency for shipment and installation.

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