





# ProDirect™ Series Heat Pump Condenser

PRODUCT SPECIFICATIONS

Dimensions		HHP14018	HHP14024	HHP14030	HHP14036	HHP14042	HHP14048	HHP14060
Unit (W x H x D)	in	21 <sup>7</sup> / <sub>8</sub> x 24 <sup>15</sup> / <sub>16</sub> x 21 <sup>7</sup> / <sub>8</sub>	21 <sup>7</sup> / <sub>8</sub> x 24 <sup>15</sup> / <sub>16</sub> x 21 <sup>7</sup> / <sub>8</sub>	21 <sup>7</sup> / <sub>8</sub> x 24 <sup>15</sup> / <sub>16</sub> x 21 <sup>7</sup> / <sub>8</sub>	29 <sup>1</sup> / <sub>8</sub> x 24 <sup>15</sup> / <sub>16</sub> x 29 <sup>1</sup> / <sub>8</sub>	29 <sup>1</sup> / <sub>8</sub> x 33 <sup>3</sup> / <sub>16</sub> x 29 <sup>1</sup> / <sub>8</sub>	29 <sup>1</sup> / <sub>8</sub> x 33 <sup>3</sup> / <sub>16</sub> x 29 <sup>1</sup> / <sub>8</sub>	29 <sup>1</sup> / <sub>8</sub> x 33 <sup>3</sup> / <sub>16</sub> x 29 <sup>1</sup> / <sub>8</sub>
	mm	554 x 633 x 554	554 x 633 x 554	554 x 633 x 554	740 x 633 x 740	740 x 843 x 740	740 x 843 x 740	740 x 843 x 740
Packing	in	23 <sup>2</sup> / <sub>5</sub> x 26 <sup>1</sup> / <sub>10</sub> x 23 <sup>2</sup> / <sub>5</sub>	23 <sup>2</sup> / <sub>5</sub> x 26 <sup>1</sup> / <sub>10</sub> x 23 <sup>2</sup> / <sub>5</sub>	23 <sup>2</sup> / <sub>5</sub> x 26 <sup>1</sup> / <sub>10</sub> x 23 <sup>2</sup> / <sub>5</sub>	30 <sup>1</sup> / <sub>10</sub> x 26 <sup>1</sup> / <sub>10</sub> x 30 <sup>1</sup> / <sub>10</sub>	30 <sup>1</sup> / <sub>10</sub> x 34 <sup>1</sup> / <sub>2</sub> x 30 <sup>1</sup> / <sub>10</sub>	30 <sup>1</sup> / <sub>10</sub> x 34 <sup>1</sup> / <sub>2</sub> x 30 <sup>1</sup> / <sub>10</sub>	30 <sup>1</sup> / <sub>10</sub> x 34 <sup>1</sup> / <sub>2</sub> x 30 <sup>1</sup> / <sub>10</sub>
	mm	575 x 660 x 575	575 x 660 x 575	575 x 660 x 575	760 x 660 x 760	760 x 875 x 760	760 x 875 x 760	760 x 875 x 760
Weight (net/gross)	lbs	104/108	121/126	137/146	156/163	207/216	207/216	214/223
	kg	47/49	55/57	62/66	70/74	94/98	94/98	97/101

Electrical	Unit	HHP14018	HHP14024	HHP14030	HHP14036	HHP14042	HHP14048	HHP14060
Outdoor Power Supply	V/Ph/Hz	230V/1N/60Hz	230V/1N/60Hz	230V/1N/60Hz	230V/1N/60Hz	230V/1N/60Hz	230V/1N/60Hz	230V/1N/60Hz
Max Input Consumption	W	1875.00	2525.00	3062.50	3637.50	4350.00	4937.50	6125.00
Min Circuit Ampacity (MCA)	A	9.50	13.50	16.00	18.00	22.00	26.50	33.00
Max Overcurrent Protection (MOP)	A	15.00	20.00	25.00	30.00	35.00	45.00	50.00
Max Current	A	8.58	11.56	14.02	16.65	19.97	22.60	28.03

Compressor	Unit	HHP14018	HHP14024	HHP14030	HHP14036	HHP14042	HHP14048	HHP14060
Brand		Highly	Highly	Highly	Highly	LG	LG	LG
Model		ASL145DG-C7EU	ASH201DG-C8LU1L	ASH239DG-C8DU	ASH280DG-C8DU	ABG036KAC	ABG042KAC	ABG051KAC
Type		Rotary	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll
Capacity	W	4240	5970	7055	8260	10551	12309	14974
Input	W	1390	1950	2290	2700	3429	3962	4722
Rated Current (RLA)	A	6.10	8.70	10.20	11.90	15.2	17.3	21.0
Locked Rotor Amp (LRA)	A	33	44	56	60	112	108	128
Thermal Protector	uf	40	40	55	70	45	70	70
Refrigerant Oil	ml	480	570	570	570	1280	1280	1280

Fan Motor	Unit	HHP14018	HHP14024	HHP14030	HHP14036	HHP14042	HHP14048	HHP14060
Brand		Chigo	Chigo	Chigo	Chigo	Chigo	Xinjun	Xinjun
Model		S.TB-DQ-YDK-60-6P2-AL	S.TB-DQ-YDK-85-6P2-AL	S.TB-DQ-YDK-85-6P2-AL	S.TB-DQ-YDK-110-8P2-AL	S.TB-DQ-YDK-110-8P2-AL	S.TB-DQ-YDK-230-6P2	S.TB-DQ-YDK-230-6P2
Input	W	145	178	178	207	207	510	510
Output	W	60	85	85	110	110	230	230
Capacitor	μF	6.00	6.00	6.00	6.00	6.00	12.00	12.00
Speed	rpm	870	970	970	850	850	1095	1095

Coil	Unit	HHP14018	HHP14024	HHP14030	HHP14036	HHP14042	HHP14048	HHP14060
Number of Rows		1	2	2	2	2	2	2.7
Fin Spacing	in	0.055	0.055	0.055	0.055	0.055	0.055	0.055
Fin Material		Hydrophilic Aluminum Fin	Hydrophilic Aluminum Fin	Hydrophilic Aluminum Fin	Hydrophilic Aluminum Fin	Hydrophilic Aluminum Fin	Hydrophilic Aluminum Fin	Hydrophilic Aluminum Fin
Tube Outside Diameter	in	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276
Tube Material		Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved
Coil (L x H x W)	in	56.22 x 23.15 x 0.53	56.22 x 23.15 x 1.05	56.22 x 23.15 x 1.05	84.65 x 23.15 x 1.05	84.65 x 31.48 x 1.05	84.65 x 31.48 x 1.05	84.65 x 31.48 x 1.05
Number of Circuits		3	6	4	6	10	10	8

Refrigerant	Unit	HHP14018	HHP14024	HHP14030	HHP14036	HHP14042	HHP14048	HHP14060
Type		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Liquid Side	in	Φ 3/8	Φ 3/8	Φ 3/8	Φ 3/8	Φ 3/8	Φ 3/8	Φ 3/8
Gas Side	in	Φ 3/4	Φ 3/4	Φ 3/4	Φ 3/4	Φ 3/4	Φ 7/8	Φ 7/8
Max Pipe Length	ft (m)	50 (15)	50 (15)	50 (15)	50 (15)	66 (20)	66 (20)	66 (20)
Max Level Difference	ft (m)	26 (8)	26 (8)	26 (8)	26 (8)	33 (10)	33 (10)	33 (10)
Design Pressure	psi	580/174	580/174	580/174	580/174	580/174	580/174	580/174
Max Pressure	psi	609	609	609	609	609	609	609

