SKYLAND product fiche

Energy Labelling Regulation: (EU) 811/2013
Ecodesign Regulation: (EU) 811/2013

Specification for Multifunctional DC Inverter heat pump (R32)			Model	King Heat 6DC-32	King Heat 9DC-32	King Heat 12DC-32	King Heat 18DC-32
Energy efficiency class			35℃	A+++	A+++	A+++	A+++
Energy efficiency class			55℃	A++	A++	A++	A++
Noise pressure(at 1M, namepalte 5m)			dB(A)	51 (35)	54 (39.5)	54(44)	56(41)
Heating (A7/6℃ ,W30/35℃)	Heating Capacity		kW	6.4	9.14	12.20	18.5
	Power Input		kW	1.34	2.04	2.73	4.00
	Current		A	5.83	8.87	11.87	17.39
	COP		W/W	4.78	4.49	4.47	4.63
Heating (A7/6℃ ,W47/55℃)	Heating Capacity		kW	5.33	7.75	10.24	14.73
	Power Input		kW	1.71	2.83	3.45	4.7
	COP		W/W	3.12	2.74	2.97	3.13
Cooling (A35/24℃ ,W23/18℃)	Cooling Capacity		kW	6.25	8.99	11.00	17.82
	Power Input		kW	1.54	2.41	3.08	4.92
	Current		A	6.70	10.48	13.39	21.39
	EER		W/W	4.05	3.73	3.57	3.62
Cooling (A35/24℃ ,W12/7℃)	Cooling Capacity		kW	5.16	6.86	9.44	14.95
	Power Input		kW	1.88	2.58	3.48	5.20
	Current		A	8.45	11.44	15.42	22.60
	EER		W/W	2.74	2.66	2.72	2.88
Seasonal Space Heating Energy Efficiency	Average Climate	35℃	%	187.7	184.0	194.4	194.9
Annual Energy Consumption For Space Heating		35℃	kWh	2250	2620	3535	4701
Seasonal Space Heating Energy Efficiency		55℃	%	131.5	128.8	137.5	144.6
Annual Energy Consumption For Space Heating		55℃	kWh	3156	3760	4322	6021
Seasonal Space Heating Energy Efficiency	Colder Climate	35℃	%	153.0	151.0	165 .0	167.0
Annual Energy Consumption For Space Heating		35℃	kWh	2620	3892	4865	6250
Annual Energy Consumption For Space Heating		55℃	%	124.1	122. 2	121 .0	121 .0
Annual Energy Consumption For Space Heating		55℃	kWh	2878	4360	5746	7631
Seasonal Space Heating Energy Efficiency	Warmer Climate	35℃	%	235.5	251.3	253.0	249.0
Annual Energy Consumption For Space Heating		35℃	kWh	1179	1502	1995	2651
Seasonal Space Heating Energy Efficiency		55℃	%	174.2	184.1	182.3	176.0
Annual Energy Consumption For Space Heating		55℃	kWh	1659	2190	2536	4045
Rated water flow			m3/h	1.1	1.6 (1.5)	2.1(1.9)	3.1
Rated voltage /Frequency			V/Hz	230/50	230/50	230/50	230/50
Maximum input power			kW	2.76 (2.53)	3.45	3.95	6.21
Maximum input current			A	12 (11)	15.0	17.0	27.0
Brand/Type of Compressor			/	Mitsubishi/Rotary			
Refrigerant			/	R32	R32	R32	R32
Fan Motor				full DC Fan motor			
Circulation pump				DC criculation pump			
Water pump EEI			≤	0.2			
Defrost			/	Auto defrost with 4 way valve	Auto defrost with 4 way valve	Auto defrost with 4 way valve	Auto defrost with 4 way valve
Waterproof grade			/	IPX4	IPX4	IPX4	IPX4
Diameter of water connection			/	DN 25 (1")	DN 25 (1")	DN 25 (1")	DN 25 (1")
Fuse (PCB)			A	10	10	10	10
Lowest Operational point, outdoor air/flow line (heating mode)			℃	-15℃	-15℃	-15℃	-15℃
Highest Operational point, outdoor air/flow line (heating mode)			℃	45℃	45℃	45℃	45℃

Net Dimensions (L/W/H)	mm	1115/415/898	1115/415/898	1115/415/982	1115/415/1332
Package Dimensions (L/W/H)	mm	1155/500/1035	1155/500/1035	1155/500/1120	1155/500/1460
Net Weight	kg	80	82	125	175
Gross Weight	kg	100	102	145	195
Loading quantity 20GP/40GP,40HQ	pcs	44/96/96	44/96/96	44/96/96	22/48/48

Precaution

- Contact the authorized service technician for repair or maintenance of this unit.
- Contact the installer for installation of this unit.
- King Heat unit is not intended for use by young children or invalids without supervision.
- Young children should be supervised to ensure that they do not play with this unit.
- When the power cable is to be replaced, replacement work shall be performed by authorized personnel only using only genuine replacement parts.
- Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.

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Specification for Multifunctional DC Inverter heat pump (R32)			Model	King Heat 12DC TRI-32	King Heat 18DC TRI-32	King Heat 23DC TRI-32
Energy efficiency class			35℃	A+++	A+++	A+++
Energy efficiency class			55℃	A++	A++	A++
Noise pressure (at 1M, nameplate 5m)			dB(A)	54(44)	52	58(44)
Heating (A7/6℃ ,W30/35℃)	Heating Capacity		kW	12.2	18.50	23.00
	Power Input		kW	2.73	4.00	5.00
	Current		A	4.61	6.75	8.44
	COP		W/W	4.47	4.63	4.60
Heating (A7/6℃ ,W47/55℃)	Heating Capacity		kW	12.17	18.21	21.5
	Power Input		kW	3.54	5.09	6.05
	COP		W/W	3.44	3.58	3.55
Cooling (A35/24℃ ,W23/18℃)	Cooling Capacity		kW	11.00	17.82	21.00
	Power Input		kW	3.08	4.92	5.66
	Current		A	5.20	8.31	9.56
	EER		W/W	3.57	3.62	3.71
Cooling (A35/24℃ ,W12/7 ℃)	Cooling Capacity		kW	9.44	14.95	16.50
	Power Input		kW	3.48	5.20	5.70
	Current		A	5.87	8.78	9.62
	EER		W/W	2.72	2.88	2.89
Seasonal Space Heating Energy Efficiency	Average Climate	35℃	%	194.3	194.8	189.8
Annual Energy Consumption For Space Heating		35℃	kWh	3535	4701	6283
Seasonal Space Heating Energy Efficiency		55℃	%	137.4	144.6	139.4
Annual Energy Consumption For Space Heating		55℃	kWh	4322	6021	8032
Seasonal Space Heating Energy Efficiency	Colder Climate	35℃	%	165.0	167.0	158.3
Annual Energy Consumption For Space Heating		35℃	kWh	4865	6250	9478
Seasonal Space Heating Energy Efficiency		55℃	%	121.0	121.0	120.5
Annual Energy Consumption For Space Heating		55℃	kWh	5746	7631	11158
Seasonal Space Heating Energy Efficiency	Warmer Climate	35℃	%	253.0	249.0	242.2
Annual Energy Consumption For Space Heating		35℃	kWh	1995	2651	3890
Seasonal Space Heating Energy Efficiency		55℃	%	182.3	176.0	172.1
Annual Energy Consumption For Space Heating		55℃	kWh	2536	4045	4942
Rated water flow			m3/h	2.1(1.9)	3.1	4.0
Rated voltage /Frequency			V/Hz	400/50	400/50	400/50
Maximum input power			kW	3.95	6.21	7.10
Maximum input current			A	7.0	11.0	12.0
Brand/Type of Compressor			/	Mitsubishi/Rotary		
Refrigerant			/	R32	R32	R32
Fan Motor			/	Full DC Fan motor		
Circulation pump			/	DC circulation pum		
Water pump EEI			≤	0.2		
Defrost			/	Auto defrost with 4 way valve	Auto defrost with 4 way valve	Auto defrost with 4 way valve
Waterproof grade			/	IPX4	IPX4	IPX4
Diameter of water connection			/	DN 25 (1")	DN 25 (1")	DN 25 (1")
Fuse (PCB)			A	10	10	10
Lowest Operational point,outdoor air/flow line (heating mode)			℃	-15°C	-15°C	-15°C
Highest Operational point,outdoor air/flow line (heating mode)			℃	45°C	45°C	45°C

Net Dimension	mm	1115/415/982	1115/415/1332	1115/415/1332
Package Dimensions (L/W/H)	mm	1115/415/982	1115/425/1332	1115/425/1332
Net Weight	kg	125	175	180
Gross Weight	kg	145	195	200
Loading quantity 20GP/40GP,40HQ	pcs	44/96/96	22/48/48	22/48/48

Precaution

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