

Crystal Enterprises Ltd **Heat Pump** Price list

Unit Model	Unit	35HS-A	50HS-A	85HS-A	100HS-A	130HS-A	160HS-A	210HS-A Single Phase
	Btu	13000	18800	29000	36000	46000	58000	73700
*Heating Capacity (air 24°C, water 27°C)	kW	3.6	5.5	8.5	10.5	13	17.5	21.5
*COP (air 24°C, water 27°C)	W/W	5.2	5.4	5	5.3	5	5.2	5.4
*Heating Capacity (air 15°C, water 27°C)	kW	2.8	4.3	6.8	8.5	10.2	14.2	17.5
*COP (air 15°C, water 27°C)	W/W	4.6	4.6	4.5	4.6	4.5	4.6	4.5
*Heating Capacity (air 8°C, water 27°C)	kW	2.2	3.4	5.8	7	8.3	12	13
*COP (air 8°C, water 27°C)	W/W	3.8	3.7	3.6	3.7	3.5	3.6	3.5
*COP (air 0°C, water 27°C)	W/W	Approx 2	Approx 2	Approx 2	Approx 2	Approx 2	Approx 2	Approx 2
*Cooling Capacity	kW	2.8	4.1	6.8	8.2	10	14	16.5
EER (refrigeration energy efficiency ratio)	W/W	4	3.9	4	4	4	4	4.2
Power Input	kW	0.7	1	1.7	2	2.5	3.4	3.9
Current	A	3.8	5.2	7.9	9.5	11	18	19
Power Supply	V/P/Hz	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	220/1/51
Compressor Qty		1	1	1	1	1	1	1
Compressor Style		Rotary	Rotary	Rotary	Rotary	Rotary	Scroll	Scroll
Compressor brand		Panasonic	Panasonic	Panasonic	Panasonic	Toshiba	SANYO	Copeland
Heating Exchanger		Titanium in PVC						
Minimum & Optimum Water Flow Volume	m3/h	3	3.5	4.5	5	5.5	7	9
Maximum Water Flow Volume	m3/h	5	5.5	6.5	7	8	11.5	15
Water Connection	mm	50mm/1.5"	50mm/1.5"	50mm/1.5"	50mm/1.5"	50mm/1.5"	50mm/1.5"	50mm/1.5"
Fan Quantity		1	1	1	1	1	1	1
Fan Input	W	70	70	85	100	120	200	200
Fan Rotate Speed	RPM	830	830	900	850	850	850	850
Air Flow volume	m3/h	900	1200	1600	2000	2500	3800	5000
Fan Direction		Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Refrigerant		R410a	R410a	R410a	R410a	R410a	R410a	R410a
Refrigerant filling quantities	Grams	700	800	1400	1700	2100	2800	3500
Noise	dB(A)	50	51	53	54	55	57	56
Net Unit Size (L/W/H)	mm	760x270x470	955x305x575	955x305x575	1005x305x610	1005x305x710	1180x430x800	1200x430x1000
Carton Size (L/W/H)	mm	895x360x580	1055x405x575	1055x405x575	1140x405x640	1140x405x740	1280x500x850	1315x500x1070
Net/Gross Weight	kg	34/38	51/54	54/57	63/67	74/78	90/98	135/140
		galvanized metal painting						
Water flow switch	YES	YES	YES	YES	YES	YES	YES	YES
Lowpressure protection system:	YES	YES	YES	YES	YES	YES	YES	YES
Highpressure protection system:	YES	YES	YES	YES	YES	YES	YES	YES
Automatic defrost system:	YES	YES	YES	YES	YES	YES	YES	YES
Advised pool volume Based on ambient Air Temp of @24 (with insulated pool cover)	m3	0-20	20-30	30-50	40-60	50-70	70-90	80-110
*Advised Maximum pool volume @15 (with insulated pool cover)	m3	15	25	40	50	60	80	100
*heating time (Air 15°C)	h	75	81	82	82	82	79	81
R.R.P.	£	685	815	1075	1335	1595	2245	2700

- 1) Ambient Air Temp:- 24 degree; Water Inlet Temp:- 27 degree; COP: 5.4
 - 2) Ambient Air Temp:- 15 degree; Water Inlet Temp:- 27 degree; COP: 4.6
 - 3) Ambient Air Temp:- 8 degree; Water Inlet Temp:- 27 degree; COP: 3.8
- The heating capacity also correspondingly reduces .

PARTS ONLY WARRANTY - TWO years warranty for the Titanium heat exchanger and ONE year for rest of machine.

* Variable ratings and for indication purposes only. Can be altered by a number of variables such as environment and covers etc.

** 3.5, 5.5 and 8.5Kw Heat Pumps now supplied ready for the European market with Euro 2 pin plug with U.K 3 pin adaptor



Other accessories available

- Anti-Vibration Feet
- 5m ext for remote siting of "LCD"
- 50m ext for remote siting of "LCD"
- Compressor Heater
- Spares

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