

Unit Model	Unit	CHP305DCSiPX32
		30.5kw px
Heating capacity (AIR 28c, WATER 28c)	kW	30-6.7
Power consumption	kW	4.91-0.42
C.O.P.		16-6.1
Heating capacity (AIR 15c, WATER 26c)	kW	23.5-5.5
Power consumption	kW	5.0-0.69
C.O.P.		8-4.7
Heating capacity (AIR 0c, WATER 26c)	kW	13.6-4.9
Power consumption	kW	3.67-0.84
C.O.P.		5.8-3.7
Heating capacity (AIR -5c, WATER 26c)	kW	12.8-3.8
Power consumption	kW	4.13-0.63
C.O.P.		6-3.1
Cooling capacity (AIR 30c, WATER 26c)	kW	17-4.7
Power consumption	kW	4.86-0.98
EER		4.8-3.5
Rated current	A	22.3
Minimum fuse	A	34
Minimum MCB size	A	40
Max Power input (Kw)	Kw	6.38
Power Supply	V/P/Hz	220-240V/50Hz or 60Hz/1PH
Connecting Mains cable tolerances/specifications (note Volt Drop)	mm2	6mm2
Compressor Qty	#	2
Compressor Style	inverter	Inverter
Compressor brand		Mitsubishi
Heat Exchanger material	titanium, steel	Twist-titanium tube in PVC
Heat Exchanger outer casing material	pvc/steel	pvc
Heat Exchanger all one piece or welded throughout?	yes/no	One piece
Minimum & Optimum Water Flow Volume	m3/h	10.0
Maximum Water Flow Volume	m3/h	20
Advised water flux	m3/h	13
Fan Quantity	#	2
Fan Input	W	(32-110)*2
Fan Rotate Speed	RPM	(550-850)*2
Air Flow volume	m3/h	8500
Fan Air Flow Direction	vertical/horizontal	horizontal
Refrigerant	R32/R410A	R39
Refrigerant filling quantities	Grams	2400
Noise level(10m)	dB(A)	≤ 33
Noise level(1m)	dB(A)	36-52
Outer casing construction material	galvanised steel/abs/aluminium	Aluminium body with ABS top cover
Net Unit Size (L/W/H)	mm	1040*355*1295
Carton Size (L/W/H)	mm	1120*405*1430
Net/Gross Weight	kg	130/148
Working temperature range	Degree c	-20c to 43c
LCD operating set Temperatures	Degree c	Under heating and auto mode, 6-41c. Under cooling mode, 6-35c.
Unit Fault Diagnostic by remote wi-fi option	yes/no	yes
LCD control panel Auto switching heating/cooling	yes/no	yes
Water flow switch	yes/no	yes
Lowpressure protection system:	yes/no	yes
Highpressure protection system:	yes/no	yes
Automatic defrost system:	yes/no	yes
Is there a clock and operating timer function on the LCD	yes/no	yes
Water Connection	mm	48/50
Compressor heater factory fitted option		standard
ACTIVE DEFROST		standard
<b>Unit Model</b>	<b>Unit</b>	<b>30.5kw px</b>
Advised pool volume Based on ambient air Temp of @ 27 (with insulated pool cover)	m3	70-182
Advised pond volume Based on ambient air Temp of @ 27 (with insulated cover)	m3	70-182
Advised pond volume Based on ambient air Temp of @ 27 (with insulated cover)	UK Gallons	15,350-40,000
Advised pond volume Based on ambient air Temp of @ 15 (with insulated cover) (1/2)	m3	35-71
Advised pond volume Based on ambient air Temp of @ 15 (with insulated cover) (1/2)	UK Gallons	7675-20,000
Advised pond volume Based on ambient air Temp of @ 0 (with insulated cover)(1/3) to achieve a pond temp of 10-12 degrees.	m3	23-60.5
Advised pond volume Based on ambient air Temp of @ 0 (with insulated cover)(1/3) to achieve a pond temp of 10-12 degrees.	UK Gallons	5100-13,300
Advised pond volume Based on ambient air Temp of @ -15 (with insulated cover)(1/4) to achieve a pond temp of 10-12 degrees.	m3	17.5-35.5
Advised pond volume Based on ambient air Temp of @ -15 (with insulated cover)(1/4) to achieve a pond temp of 10-12 degrees.	UK Gallons	3825-10,000
**Please bear in mind that sizing a heat pump is not an exact science. The Water volumes are meant as a guide only. Every "body" of water behaves differently due to outside factors like ambient working conditions, insulation levels, surface area, depth of water etc.**		