

Unit Model	Unit	CHP14DCsiPX32
Heating capacity (AIR 28c, WATER 28c)	kW	13.5kw px
Power consumption	kW	13.5-3.2
C.O.P.		2.14-0.2
Heating capacity (AIR 15c, WATER 26c)	kW	16-6.3
Power consumption	kW	10.1-2.4
C.O.P.		2.15-0.3
Heating capacity (AIR 0c, WATER 26c)	kW	8-4.7
Power consumption	kW	6.9-1.3
C.O.P.		1.86-0.25
Heating capacity (AIR -5c, WATER 26c)	kW	5.3-3.7
Power consumption	kW	6-1.3
C.O.P.		1.79-0.24
Cooling capacity (AIR 30c WATER 26c)	kW	4.7-3.4
Power consumption	kW	6.9-1.79
EER		1.8-0.35
Rated current	A	4.9-3.42
Minimum fuse	A	9.5
Minimum MCB size	A	24
Max Power input (Kw)	Kw	25
Power Supply	V/P/Hz	2.78
Connecting Mains cable tolerances/specifications (note Volt Drop)	mm2	220-240V/50Hz or 60Hz/1PH
Compressor Qty	#	2.5mm2
Compressor Style	inverter	1
Compressor brand		Inverter
Heat Exchanger material	titanium, steel	Mitsubishi
Heat Exchanger outer casing material	pvc/steel	Twist-titanium tube in PVC
Heat Exchanger all one piece or welded throughout?	yes/no	pvc
Minimum & Optium Water Flow Volume	m3/h	One piece
Maximum Water Flow Volume	m3/h	4.2
Advised water flux	m3/h	15
Fan Quantity	#	6
Fan Input	W	1
Fan Rotate Speed	RPM	32-110
Air Flow volume	m3/h	550-850
Fan Air Flow Direction	vertical/horizontal	4200
Refrigerant	R32/R410A	horizontal
Refrigerant filling quantities	Grams	R35
Noise level(10m)	dB(A)	840
Noise level(1m)	dB(A)	≤ 28
Outer casing construction material	galvanised steel/abs/aluminium	34-48
Net Unit Size (L/W/H)	mm	aluminium body with ABS top cover
Carton Size (L/W/H)	mm	986*352*672
Net/Gross Weight	kg	1073*402*805
Working temperature range	Degree c	78/83
LCD operating set Temperatures	Degree c	-20c to 43c
Unit Fault Diagnostic by remote wi-fi option	yes/no	Under heating and auto mode, 6-41c. Under cooling mode, 6-35c.
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
Unit Model	Unit	13.5kw px
Advised pool volume Based on ambient air Temp of @ 27 (with insulated pool cover)	m3	16-65
Advised pond volume Based on ambient air Temp of @ 27 (with insulated cover)	m3	16-65
Advised pond volume Based on ambient air Temp of @ 27 (with insulated cover)	UK Gallons	3500-14,250
Advised pond volume Based on ambient air Temp of @ 15 (with insulated cover) (1/2)	m3	8-32.5
Advised pond volume Based on ambient air Temp of @ 15 (with insulated cover) (1/2)	UK Gallons	1750-7125
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	5-21.5
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	1150-4750
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	4-16
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	875-3550

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.