

Unit Model	Unit	CHP165DCsiPX32
Heating capacity (AIR 28c, WATER 28c)	kW	17.1kw px
Power consumption	kW	17.1-3.7
C.O.P.		2.76-0.23
Heating capacity (AIR 15c, WATER 26c)	kW	16-6.2
Power consumption	kW	12-3.2
C.O.P.		2.55-0.4
Heating capacity (AIR 0c, WATER 26c)	kW	8-4.7
Power consumption	kW	7.6-2.0
C.O.P.		2.06-0.34
Heating capacity (AIR -5c, WATER 26c)	kW	5.8-3.7
Power consumption	kW	7-1.9
C.O.P.		2.18-0.32
Cooling capacity (AIR 30c, WATER 26c)	kW	5.9-3.2
Power consumption	kW	9.2-2.56
EER		2.17-0.37
Rated current	A	4.9-3.6
Minimum fuse	A	11.5
Minimum MCB size	A	24
Max Power input (Kw)	Kw	25
Power Supply	V/P/Hz	3.58
Connecting Mains cable tolerances/specifications (note Volt Drop)	mm2	220-240V/50Hz or 60Hz/1PH
Compressor Qty	#	4mm2
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	4.7
Advised water flux	m3/h	15
Fan Quantity	#	7
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	R36
Noise level(10m)	dB(A)	860
Noise level(1m)	dB(A)	≤ 30
Outer casing construction material	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	kq	1073*402*805
Working temperature range	Degree c	98/113
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	17.1kw px
Advised pool volume Based on ambient air Temp of @ 27 (with insulated pool cover)	m3	24-86
Advised pond volume Based on ambient air Temp of @ 27 (with insulated cover)	m3	24-86
Advised pond volume Based on ambient air Temp of @ 27 (with insulated cover)	UK Gallons	5250-18,900
Advised pond volume Based on ambient air Temp of @ 15 (with insulated cover) (1/2)	m3	12-43
Advised pond volume Based on ambient air Temp of @ 15 (with insulated cover) (1/2)	UK Gallons	2625-9450
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	8-28.5
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	1750-6300
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	6-21.5
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	1300-4725

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.