

2. TECHNICAL SPECIFICATIONS

2.1 Heat pump technical data

Models	Powerline by Hayward	81504	81514	81524	81534	81544
Supply voltage	V	220V-240V ~ / 1ph / 50Hz				
Refrigerant	/	R32				
Load	kg	0,350	0,430	0,450	0,650	0,670
Mass in teqCO ₂	/	0,24	0,29	0,30	0,44	0,45
Leak check frequency	/	No specific frequency, but an annual check is recommended				
Min--Max heating capacity ^(a)	kW	1,62 -- 6,72	2,70 -- 8,15	2,36 -- 11,45	3,70 -- 15,64	2,73 -- 17,87
Min--Max electric input power ^(a)	kW	0,15--1,05	0,21--1,11	0,17--1,80	0,30--2,82	0,22 -- 3,33
Min--Max continuous current rating ^(a)	A	1,02--4,88	1,54--5,00	1,19--7,85	1,49--12,28	1,44 -- 14,62
Max--Min continuous power (COP) ^(a)	/	11,03--6,41	12,78--7,33	13,88--6,35	12,27--5,55	12,50 -- 5,33
Min--Max heating capacity ^(b)	kW	1,53--5,38	1,75--5,83	1,56--8,00	2,96--12,18	2,60 -- 13,77
Min--Max electric input power ^(b)	kW	0,27--1,09	0,28--1,33	0,279--1,74	0,437--2,65	0,414 -- 3,16
Max--Min continuous power (COP) ^(b)	/	5,67--4,96	6,29--4,38	5,60--4,80	6,78--4,60	6,28 -- 4,36
Maximum continuous current	A	6,40	8,40	9,50	16,56	17,50
Fuse rating	aM	8	10	12	20	20
Circuit-breaker curve D	D	8	10	12	20	20
Starting current	A	< CMS				
Hydraulic connection	mm	50 mm				
Nominal water flow (a)	m³/h	2,80	3,50	5,00	6,50	7,40
Max. loss of head on water	kPa	2,3	2,9	4,0	6,7	9
Compressor	/	Panasonic DC Inverter			DC Inverter Highly	
Type	/	Twin rotary			Twin rotary	
Quantity	/	1				
Coil resistance at 20°C	Ohm	1,208			0,788	
Fan	/	Axial				
Quantity		1				
Diameter	mm	405			510	
Number of blades	/	3				
Motor	/	DC Inverter				
Quantity	/	1				
Rotation speed	Tr/min	400 --700	400 --700	500 -- 850	300 --750	400 --750
Silent mode speed	Tr/min	400	400	500	300	400
Sound pressure level at 1 metre	dB(A)	49,8	50,2	53,9	50,8	54,0
Sound pressure level at 10 metres	dB(A)	32,4	32,8	34,2	33,8	37,25
Unit's net dimensions (L-W-H)	mm	1000 / 418 / 605			1047/453/768	1160/490/862
Weight	kg	43	44	45	66	70

(a) Dry air 27°C - Relative humidity 78% - Water inlet temperature 26°C.

(b) Dry air 15°C - Relative humidity 71% - Water inlet temperature 26°C