

Water Chiller – ultra compact design



HYFRA eChilly series

- Plug and Play: easy to install
- Compact design with micro-channel technology
- Energy efficient: less power consumption
- Low noise: for in-room application
- Protects the environment: 60% less refrigerant



1 6 kW



efficient process cooling – made in Germany

HYFRA eChilly - Plug and Play water chiller

TECHNICAL DATA

		eChilly 1	eChilly 2	eChilly 3	eChilly 4	eChilly 5	eChilly 4-3	eChilly 5-3	eChilly 6-3
ambient temp. °C	water °C	cooling capacity Watt							
32	10	530	920	2100	2740	3750	2740	3750	4690
	15	775	1290	2450	3565	4525	3565	4525	5660
	20	1025	1655	2810	4395	5480	4395	5480	6800
37	10	345	675	1645	2240	3450	2240	3450	4310
	15	615	1050	2060	3080	4395	3080	4395	5490
	20	890	1425	2475	3920	5340	3920	5340	6680
42	10	205	450	1390	1740	3045	1740	3045	3810
	15	480	765	1810	2580	3870	2580	3870	4840
	20	755	1085	2230	3420	4690	3420	4690	5860
refrigerant		R407C	R407C	R407C	R407C	R407C	R407C	R410A	R410A
sound pressure level*(1)	dB(A)	65	67	67	68	68	68	68	68
power consumption max. *(2)	kW	0,9	1,5	1,9	2,3	2,7	2,2	3,7	3,7
current consumption max. *(2)	A	4,6	7,6	10,0	11,0	11,3	4,4	7,1	7,0
		230V 1Ph	230V 1Ph	230V 1Ph	230V 1Ph	230V 1Ph	400V 3Ph	400V 3Ph	400V 3Ph
air flow rate max.	m³/h	800	1290	1290	1350	1350	1350	1350	2390
tank capacity	ltr.	6	20	20	26	26	26	26	26
water pressure	bar	2,2	3,6	2,9	3,1	3,3	3,1	3,3	3,3
nominal water flow	l/h	2,3	4,3	7,2	10	12,9	10	12,9	12,9
water connections *(3)	inch	1/2 (6 or 9mm also available)							
width	mm	560	710		760				
depth	mm	475	545		610				
height	mm	355	455		500				
net weight (approx.)	kg	49	55	65	81	90	81	90	90

*(1) in 1 meter distance

Technical data temporarily

*(2) at 42°C ambient temp. and 20°C water temp.

eChilly 1 - 3 also available without digital thermostat

TECHNICAL DESCRIPTION:

- Stainless steel cover
- Metal mesh filter
- Micro-channel condenser, pure aluminum
- Copper evaporator
- Water level indication
- Digital thermostat with hysteresis of +/- 1K
- Bypass for pump protection
- Common alarm
- Ambient temperature > 42° C

OPTIONS, some:

- Alarm water loss
- Manometer in water circuit
- Flow control switch
- 2 x water IN/OUT
- Stronger pumps available
- Automatic water refill
- Several standard power supplies available
- Harting-plug connectors
- Single marking
- Wheel version available
- Water cooled condenser
- Winter start option; outside use kit
- More accurate temperature hysteresis