HYFRA eChilly cooling water recooling chillers

Robust. Quiet. Compact.

The HYFRA eChilly series has a compact design that allows it to be integrated into almost any machine layout. Typical applications for HYFRA eChilly models are welding devices, milling technology, drill stations, tool changeover and laboratory technology.



Key data
HYFRA eChilly

Power range:
1 – 6 kW

Medium:
Water

Footprint:
1.4 kW on footprint of 0.4 m²
up to 6 kW power in only 0.5 m²

Application:
Welding devices, milling technology, drill stations, tool changeover and laboratory technology

Technical data HYFRA eChilly

HYFRA eChilly model no. (kW)			1	2	3	4	4[3]	5	5[3]	6[3]
Performance data										
Ambient °C	Refrigerant °C / Water [c]		Cooling capacity kW							
32	15		0.8	1.3	2.5	3.6	3.6	4.5	4.5	5.7
	20		1.0	1.7	2.8	4.4	4.4	5.5	5.5	6.8
37	15		0.6	1.1	2.1	3.1	3.1	4.4	4.4	5.5
	20		0.9	1.4	2.5	3.9	3.9	5.3	5.3	6.7
42	15		0.5	0.8	1.8	2.6	2.6	3.9	3.9	4.8
	20		0.8	1.1	2.2	3.4	3.4	4.7	4.7	5.9
Technical data										
Refrigerant			R407C						R410A	
Refrigerant charge		kg	0.35	0.40	0.55	0.85		0.95	0.85	0.90
Sound pressure level [a] user side		dB(A)	62	65						
Power consumption max. [b]		kW	0.9	1.4	1.8	2.4	4.4	3.2	3.9	4.5
Current consumption max. [b]		A	5.5	6.5	8.9	11.5	6.8	14.3	7.4	7.7
Electrical connection			230 V 1 Ph				400 V 3 Ph	230 V 1 Ph	400 V 3 Ph	
Max. airflow rate		m³/h	1290	2390	2390	2390	2390	2390	2390	2390
Tank capacity		l	6	20		26				
Water pressure		bar	3.6	3.1	3.3					
Nominal water flow		m³/h	4.3	10.0	12.9					
Water connections		inch	1/2							
Fresh water connection		inch	1/2							
Dimensions and weight										
Length		mm	570	720		770				
Width		mm	570	640		765				
Height		mm	370	465		515				
Empty weight		kg	55	81		90				

3) with three-phase power

a) Sound pressure level measured in free field at 1 m distance and 1.2 m (tolerance +/- 1 dB (A)) incl. compressor operation without start / stop phase

b) at 42 °C ambient temperature and 20 °C medium temperature

c) For outlet temperatures below 15 °C please contact your HYFRA sales representative.