

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	Cooling capacity kW								
	Water ^{c)}									
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	m ³ /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	m ³ /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.