



Sustainable chiller HYFRA eChilly Propane

Technical data sheet 230V/50Hz & 400V/50Hz

Compact, high-efficiency chiller with natural refrigerant propane (R290) for industrial applications.

+ Your benefits at a glance

Future-proof in the long term with a natural refrigerant

Available as a propane version (R290) to meet EU requirements, with an extremely low GWP (~3) – ensuring long-term regulatory compliance.

High energy efficiency

Excellent thermodynamic properties of propane
→ maximum efficiency in continuous operation.

Compact & space-saving

Small footprint – suitable for a variety of applications.

Ready to plug in

Pre-assembled, tested and ready for immediate use – minimal installation effort and quick commissioning.

Clear investment security for the coming decades

Not only compliant today – but also operational tomorrow.



Key Data HYFRA eChilly Propane

- ✓ **Performance range:**
1–6 kW
- ✓ **Medium:**
Water or water-glycol mixture
- ✓ **Footprint:**
1.4 kW on just 0.4 m² footprint
Up to 6 kW on just 0.5 m²
- ✓ **Applications:**
Welding systems, milling technology, drilling stations, tool changing systems and laboratory equipment



Technical data HYFRA GCP-S Propane

HYFRA eChilly model no. (kW)		eChilly 1-4				eChilly 5-6	
Performance data		230 V / 50 Hz / 1 Ph ^{a)}				400 V / 50 Hz / 3 Ph ^{a)}	
Ambient temperature (°C)	Coolant outlet temperature in °C	Cooling capacity ^{b)}					
32	15	1.5	2.4	3.0	4.3	4.9	5.5
	20	1.7	2.8	3.4	4.9	5.7	6.3
37	15	1.4	2.3	2.8	4.1	4.7	5.2
	20	1.6	2.7	3.2	4.8	5.4	5.9
42	15	1.3	2.1	2.6	3.9	4.3	4.9
	20	1.5	2.5	3.0	4.5	5.1	5.5

Technical data							
Refrigerant		Propane					
Ambient temperature range ^{c)}	°C	10°C to 45°C			10°C to 42°C		
Sound pressure level at 1 m	dB(A)	62	63		65		
Max. power consumption ^{d)}	kW	0.9	1.5	1.8	2.5	2.8	3.1
Max. current consumption ^{d)}	A	4.4	7.2	8.2	12.3	5.3	6.4
Maximum upstream fuse rating	A	16					
Max. air flow rate	m³/h	560	900		2100		
Secondary coolant outlet temperature range ^{e)}	°C	13°C to +25°C					
Available pump head ^{f)}	bar	2.7	3		3 / 5		
Secondary coolant flow rate	m³/h	0.14	0.26	0.43	0.60	0.77	
Tank capacity	l	14	16		45		
Secondary coolant connection	Zoll	1/2" IG			3/4" IG		

Dimensions and weight							
Length	mm	580	720		737		
Width	mm	570	640		737		
Height	mm	370	465		1,300		
Net weight	kg	49	59	63	175	185	205

a) Voltage tolerance $\pm 10\%$; other voltage versions available upon request

b) Net cooling capacity without consideration of pump power losses at the design point
(Secondary coolant outlet temperature 15 / 20°C; ambient temperature 32°C / 37°C / 42°C)

c) Standard version: ambient temperature range +10°C to +42°C, indoor installation

d) Calculated maximum power / current consumption of all components (50 Hz, standard pump)

e) Standard version: medium temperature >15°C

f) Available pump head at nominal flow rate; additional pumps available within the standard portfolio