

# Technical data: HYFRA Alpha

HYFRA Alpha model no. (kW)	5	13	22	34	52	80
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## 400V/50Hz

### Performance data

Ambient °C / °F	Refrigerant °C / °F		Cooling capacity kW / Tons					
	Emulsion/Water	Oil	R134A		R410A		R410A	
32 / 90	15 / 59	20 / 68	4.0 / 1.1	11.5 / 3.3	20.0 / 5.7	29.9 / 8.5	45.5 / 12.9	71.3 / 20.3
	20 / 68	25 / 77	4.5 / 1.3	12.6 / 3.6	21.7 / 6.2	33.5 / 9.5	51.8 / 14.7	79.8 / 22.7

### Technical data

Refrigerant		R134A	R410A				
Max. power consumption (emulsion)	kW	3.4	6.9	10.2	13.4	19.5	31.6
Max. power consumption (oil)	kW	4.0	7.5	11.3	14.5	22.0	34.1
Max. airflow rate	m³/h / cfm	4500 / 2648			6800 / 4022	10800 / 6356	15500 / 9123

## 460V/60Hz

### Performance data

Ambient °C / °F	Refrigerant °C / °F		Cooling capacity kW / Tons					
	Emulsion/Water	Oil	R134A		R410A		R410A	
32 / 90	15 / 59	20 / 68	3.9 / 1.1	10.6 / 3.0	17.9 / 5.1	26.8 / 7.6	43.4 / 12.3	64.8 / 18.4
	20 / 68	25 / 77	4.7 / 1.3	13.1 / 3.7	22.2 / 6.3	49.8 / 14.2	74.1 / 21.1	60.0 / 17.1

### Technical data

Refrigerant		R134A	R410A				
Max. power consumption (emulsion/water)	kW	4.1	7.2	11.1	14.1	21.0	31.7
Max. power consumption (oil)	kW	4.5	7.6	11.2	14.2	23.9	34.6
Max. airflow rate	m³/h / cfm	4950 / 2913			7480 / 4403	11880 / 6692	17050 / 10035

### Dimensions and weight

Length	mm / in	715 / 28.1			1000 / 39.4		
Width	mm / in	715 / 28.1			1000 / 39.4		
Height	mm / in	1554 / 61.2			2055 / 80.9		
Empty weight (emulsion/water)	kg / lbs	160 / 353	190 / 419	250 / 551	310 / 683	370 / 816	480 / 1058
Empty weight (oil)	kg / lbs	165 / 364	195 / 430	255 / 562	315 / 694	375 / 827	485 / 1069

For detailed technical data, see: [www.hyfra.com](http://www.hyfra.com)

# Technical data: HYFRA Alpha

HYFRA Alpha c model no. (kW)	5	7	9	13	16
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## 400V/50Hz

### Performance data

Ambient °C / °F	Refrigerant °C / °F		Cooling capacity kW / Tons				
	Emulsion/Water	Oil					
32 / 89.6	15 / 59	20 / 68	4.0 / 1.1	6.2 / 1.8	7.8 / 2.2	11.5 / 3.3	13.9 / 4.0
	20 / 68	25 / 77	4.5 / 1.3	6.9 / 2.0	8.7 / 2.5	12.6 / 3.6	15.4 / 4.4

### Technical data

Refrigerant		R134A	R410A			
Max. power consumption (emulsion/water)	kW	3.1	4.2	4.9	6.6	8.0
Max. power consumption (oil)	kW	3.8	4.9	5.6	7.3	8.6
Max. airflow rate	m³/h / cfm	2900 / 1707				4500 / 2648

## 460V/60Hz

### Performance data

Ambient °C / °F	Refrigerant °C / °F		Cooling capacity kW / Tons				
	Emulsion/Water	Oil					
32 / 90	15 / 59	20 / 68	3.8 / 1.1	5.7 / 1.6	7.1 / 2.0	10.4 / 3.0	12.6 / 3.6
	20 / 68	25 / 77	4.6 / 1.3	6.9 / 2.0	8.4 / 2.4	13.0 / 3.7	14.4 / 4.1

### Technical data

Refrigerant		R134A			R410A	
Max. power consumption (emulsion/water)	kW	3.7	4.7	5.3	6.8	8.4
Max. power consumption (oil)	kW	4.1	5.1	5.7	7.2	8.8
Max. airflow rate	m³/h / cfm	3190 / 1877				4950 / 2913

### Dimensions and weight

Length	mm / in	720 / 28.3				
Width	mm / in	835 / 32.9				
Height	mm / in	930 / 36.6				
Empty weight (emulsion/water)	kg / lbs	119 / 262			125 / 275	
Empty weight (oil)	kg / lbs	124 / 273			130 / 286	

For detailed technical data, see: [www.hyfra.com](http://www.hyfra.com)