

# Technical data HYFRA Sigma



HYFRA Sigma model no. (kW)	5	7	9	13	16	18	22	28	34	42	52	56	67	80	104	134	160	210	270	320
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## Performance data

Ambient °C	Refrigerant °C		Cooling capacity kW																			
	15	Water °C	15	20	25.3	29.9	37.0	45.5	50.7	59.9	71.3	91.0	119.8	142.6	182.0	239.6	285.2					
32	4.0	6.2	7.8	11.5	13.9	16.6	20.0	25.3	29.9	37.0	45.5	50.7	59.9	71.3	91.0	119.8	142.6	182.0	239.6	285.2		
	4.5	6.9	8.7	12.6	15.4	18.3	21.7	28.0	33.5	41.5	51.8	56.0	67.1	79.8	103.6	134.2	159.6	207.2	268.4	319.2		
37	3.6	6.1	7.2	10.7	13.0	15.7	19.2	23.9	28.2	34.9	42.1	47.8	56.5	67.2	84.2	113.0	134.4	168.4	226.0	268.8		
	4.1	6.7	7.9	11.8	14.4	17.2	20.5	26.2	31.1	37.9	49.0	52.4	62.4	73.0	98.0	124.8	146.0	196.0	249.6	292.0		
42	3.4	5.7	7.1	10.2	11.4	15.4	18.5	22.9	27.4	30.9	40.2	45.8	54.9	59.7	80.4	109.8	119.4	160.8	219.6	238.8		
	3.9	6.4	7.9	11.2	13.0	17.0	20.1	26.6	30.2	35.0	47.3	51.3	60.6	67.4	94.6	121.2	134.8	189.2	242.4	269.6		

## Technical data

Refrigerant	R134a	R410A																			
Refrigerant charge	kg	1.3	1.2	1.2	1.4	1.6	2.0	2.0	2.5	2.8	3.0	5.3	5.5	6.5	6.6	11.0	11.8	13.2	22.0	23.6	24.0
Sound pressure level <sup>a)</sup> user side	dB(A)	68		66		64		71		72		77		79		80					
Power consumption max. <sup>b)</sup>	kW	3.4	4.4	5.0	6.4	7.3	9.2	12.0	13.3	17.8	19.5	20.9	27.3	31.1	40.5	53.9	61.6	81.8	107.0	135.0	
Current consumption max. <sup>b)</sup>	A	6.6	8.4	8.7	11.7	14.0	19.1	23.0	22.6	30.4	34.4	36.6	46.8	52.0	70.6	92.1	102.5	160.0	200.0	250.0	
Condenser		1		2		1		2		1		2		4		8					
Max. airflow rate	m <sup>3</sup> /h	4500		5000		5500		10000		10800		15500		21600		31000		53000		64800	
Tank capacity	l	120		330		450		470													
Water pressure	bar	3.2	3.1	3.0	3.5	3.3	3.0	2.5	2.8	2.8	2.5	2.5	4.0	3.2	3.9	3.0	3.2	3.0	3.0	2.8	
Nominal water flow	m <sup>3</sup> /h	0.8	1.2	1.5	2.1	2.6	2.9	3.5	4.3	5.1	6.5	7.0	8.0	10.3	12.7	20.5	36.0	40.0	46.0		
Water connection	inch	3/4		1 1/4		1 1/2		2		2 1/2		4		4		4		4		4	
Fresh water connection	inch	3/4		3/8		3/8		3/8		3/8		3/8		3/8		3/8		3/8		3/8	

## Dimensions and weight

Length	mm	715	1000	2000	2200													
Width	mm	715	1000	2000	2000													
Height	mm	1554	2000	2000	2000													
Empty weight	kg	170	180	190	200	210	340	350	370	380	420	440	810	830	880	1800	1900	1980

a) Sound pressure level measured in free field at 1 m distance and 4.2 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.