

7 HEATING CAPACITY

Legend:

Δpw Pressure drop on water side
PT Heating capacity
Qw Water flow rate

Tbs₁ Inlet air temperature dry bulb
Tw₁ Inlet water temperature
Tw₂ Outlet water temperature
Vr Fan speed:
3 high
2 medium
1 low

Tbs₁		20°C								
Tw₁ / Tw₂		45 / 40°C			60°C / 50°C			70°C / 60°C		
	Vr	PT	Qw	Δpw	PT	Qw	Δpw	PT	Qw	Δpw
		W	l/h	kPa	W	l/h	kPa	W	l/h	kPa
WH 10	3	2640	459	16	4130	361	10	5340	468	15
	2	2380	413	13	3720	326	8	4820	423	13
	1	2250	392	12	3530	309	8	4570	401	12
WH 20	3	3850	669	19	6050	529	12	7820	685	18
	2	3490	607	16	5500	480	10	7090	622	15
	1	3220	560	14	5070	443	9	6550	575	13
WH 30	3	4920	856	20	7720	674	12	9960	873	19
	2	4290	746	16	6730	588	10	8670	760	15
	1	3960	688	14	6220	543	8	7990	701	13
Tbs₁		22°C								
Tw₁ / Tw₂		45 / 40°C			60°C / 50°C			70°C / 60°C		
	Vr	PT	Qw	Δpw	PT	Qw	Δpw	PT	Qw	Δpw
		W	l/h	kPa	W	l/h	kPa	W	l/h	kPa
WH 10	3	2390	415	13	3870	338	9	5080	446	14
	2	2150	374	11	3490	305	7	4590	402	12
	1	2040	355	10	3310	289	7	4350	382	11
WH 20	3	3480	605	16	5670	495	10	7430	652	16
	2	3160	549	13	5140	450	9	6750	592	14
	1	2910	507	11	4750	415	8	6230	547	12
WH 30	3	4470	777	17	7250	633	11	9480	831	17
	2	3890	677	13	6320	552	9	8250	724	14
	1	3590	624	11	5830	510	8	7610	668	12