

Prüfresultate Luft/Wasser-Wärmepumpen basierend auf der EN 14511 und EN 14825

Test results of air to water heat pumps based on EN 14511 and EN 14825

Auftraggeber Customer	Gerät Type	Prüfnummer Test number	Bauart Type of construction	Kältemittel Refrigerant	Kältemittelmenge [kg] Capacity of refrigerant	Prüfbedingungen Test conditions	low (35°C) - average										Bivalentpunkt [°] Bivalent point	Volumenstrom [m³/h] Volume flow	SCOP	Schalleistungspegel aussen [dB(A)] Sound power level outdoor	Schalleistungspegel innen [dB(A)] Sound power level indoor
							A7 / W30-35 (87% r. H.)	A2 / W35 (84% r. H.)	A-10 / W35 (-)	A-7 / W34 (74% r. H.)	A2 / W30 (84% r. H.)	A7 / W27 (87% r. H.)	A12 / W24 (89% r. H.)	Abiv / W— (0)							
HoKaTherm Heizsysteme Grüning Obergrundstrasse 13 CH - 5430 Wettingen	HM112-1	517-21-15	c,d	R410A	4.6	Heizleistung / Heat. cap. [kW]	6.0	9.5	10.9	10.6	6.0	3.7	4.0	10.9	-10 / 35	1.03	4.40	56.6	31.8		
						El. Leistung / Input power [kW]	1.3	2.8	4.4	3.9	1.4	0.6	0.5	4.4							
						COP [-]	4.5	3.4	2.5	2.7	4.4	6.4	7.6	2.5							
IDM Energiesysteme GmbH Seblas 16-18 A - 9971 Matri in Osttirol	AERO ILM 2-8 230V	314-17-41	a,d	R410A	3.2	Heizleistung / Heat. cap. [kW]	4.5	3.9	5.6	5.0	3.0	2.7	1.4	5.6	-10 / 35	0.79	4.59	50.9	43.9		
						El. Leistung / Input power [kW]	0.9	0.9	1.9	1.5	0.6	0.4	0.3	1.9							
						COP [-]	5.1	4.3	2.9	3.3	4.9	6.4	5.1	2.9							
	AERO ALM 2-8	436-19-49	b,d	R290	1.2	Heizleistung / Heat. cap. [kW]	4.1	3.5	7.7	6.8	4.2	2.8	2.8	7.7	-10 / 35	0.70	5.26	45.5	-		
						El. Leistung / Input power [kW]	0.7	0.8	3.1	2.3	0.8	0.4	0.3	3.1							
						COP [-]	5.4	4.6	2.5	3.0	5.2	7.1	9.1	2.5							
	AERO ALM 50 Max	580-22-31	b,d,e	R290	4.8	Heizleistung / Heat. cap. [kW]	33.0	51.9	41.9	36.7	22.1	14.7	10.6	41.9	-10 / 35	5.72	5.32	57.1	-		
						El. Leistung / Input power [kW]	6.1	17.1	16.1	11.9	4.2	2.2	1.1	16.1							
				R290	4.9	COP [-]	5.4	3.0	2.6	3.1	5.3	6.8	9.3	2.6							
	vampair eco 12/1	737-25-43	b, d	R290	1.2	Heizleistung / Heat. cap. [kW]	8.9	9.8	9.1	9.4	5.2	3.8	4.4	9.1	-10 / 35	1.56	5.47	55.9	40.6		
						El. Leistung / Input power [kW]	1.7	3.0	3.1	2.8	1.0	0.5	0.5	3.1							
						COP [-]	5.1	3.3	2.9	3.4	5.4	7.1	9.4	2.9							
Inova d.o.o. Bage 3 BA - 70101 Jajce	ACP15	612-23-24	b, d	R290	1.1	Heizleistung / Heat. cap. [kW]	7.4	12.7	13.1	11.8	7.3	5.0	5.4	13.1	-10 / 35	1.29	5.32	50.7	-		
						El. Leistung / Input power [kW]	1.3	3.6	4.8	3.8	1.4	0.7	0.6	4.8							
						COP [-]	5.5	3.6	2.7	3.1	5.2	7.1	8.5	2.7							
Lambda Wärmepumpen GmbH Perlmooserstrasse 5 A - 6322 Kirchbichl	EU10L	639-23-51	b, d	R290	1.4	Heizleistung / Heat. cap. [kW]	3.6	5.6	9.1	8.1	5.2	3.6	2.3	9.1	-10 / 35	0.69	5.96	47.4	-		
						El. Leistung / Input power [kW]	0.6	1.1	2.9	2.2	0.9	0.5	0.2	2.9							
						COP [-]	5.9	5.1	3.2	3.7	5.8	7.7	9.7	3.2							
	EU13L	711-25-17	b, d	R290	1.4	Heizleistung / Heat. cap. [kW]	3.7	7.8	10.9	9.8	6.0	4.3	3.4	10.9	-10 / 35	0.63	6.10	47.5	-		
						El. Leistung / Input power [kW]	0.6	1.5	3.3	2.6	1.0	0.5	0.3	3.3							
						COP [-]	6.0	5.2	3.3	3.8	5.9	8.1	10.1	3.3							
M-TEC GmbH Aumühlweg 20 A - 4812 Pinsdorf	WPLK 1030	504-21-02	b, d	R410A	9.0	Heizleistung / Heat. cap. [kW]	20.4	17.9	22.1	23.9	15.4	10.0	8.5	23.9	-7 / 34	3.49	5.16	53.3	-		
						El. Leistung / Input power [kW]	4.0	5.2	7.6	7.6	3.0	1.5	1.0	7.6							
						COP [-]	5.1	3.4	2.9	3.1	5.2	6.7	8.3	3.1							
Ochsner Wärmepumpen GmbH Krackowizerstrasse 4 A - 4020 Linz	Eagle 717	243-15-15	c,d	R410A	7.6	Heizleistung / Heat. cap. [kW]	7.1	7.1	13.5	12.8	9.2	6.6	7.5	10.3	-2 / 32	1.20	4.48	63.4	-		
						El. Leistung / Input power [kW]	1.5	1.7	4.2	4.1	1.9	1.2	1.1	2.7							
						COP [-]	4.8	4.2	3.2	3.1	4.8	5.6	6.8	3.8							