ATTACK Inverter R32 heat pump

Technical data

Parameter	Unit	ATTACK 6	ATTACK 9	ATTACK 12	ATTACK 15	ATTACK 19
Power supply	V/Hz	220–240/50	220–240/50	220–240/50	380–420/50	380–420/50
Phase connection	phase	1	1	1	3	3
Maximum heating output (1)	kW	6.5	9.2	11.6	15.35	18.5
COP (1)	—	4.61	4.38	4.3	4.78	4.47
SCOP — average climate, low temperature	W/W	4.74	4.71	4.71	4.99	4.84
Minimum/maximum heating output (1)	kW	3.5 / 6.5	4.3/9.2	5.5 / 11.6	6/15.35	9.2/18.5
Minimum/maximum electrical input (1)	W	758 / 1410	927/2097	1107 / 2683	1222/3209	1834/4142
Minimum/maximum COP (1)	—	4.5 / 4.7	4.38/4.71	4.3 / 4.9	4.78/5.06	4.47/5.01
Maximum heating output (2)	kW	6	8.6	11.2	14.26	18.2
COP (2)	—	3.46	3.37	3.45	3.64	3.6
Minimum/maximum heating output (2)	kW	3.15 / 6	3.9/8.6	4.9 / 11.2	5.6/14.26	8.5/18.2
Minimum/maximum electrical input (2)	W	943 / 1732	1162/2550	1401 / 3263	1551/3913	2248/4998
Minimum/maximum COP (2)	—	3.34 / 3.56	3.37 / 3.58	3.3 / 3.5	3.64 / 3.82	3.6 / 3.82
Maximum cooling output (3)	kW	7.45	9.5	9.8	18.57	22.5

Parameter	Unit	ATTACK 6	ATTACK 9	ATTACK 12	ATTACK 15	ATTACK 19
EER (3)	—	4.05	4.23	3.9	3.78	3.58
Minimum/maximum cooling output (3)	kW	6.22/7.45	6.7/9.5	7.2/9.8	7.23/18.57	8.5/22.5
Minimum/maximum EER (3)	—	4.05/4.45	4.0/4.6	4.0/3.8	3.78/5.42	3.58/5.12
Maximum cooling output (4)	kW	4.5	7.2	6.5	13	16
EER (4)	—	2.7	2.8	2.7	2.96	2.85
Minimum/maximum cooling output (4)	kW	3.5/4.5	4.9/7.2	4.9 / 6.5	4.46/13	5.5/16
Minimum/maximum electrical input (4)	W	1330/1680	1451/2366	1358 / 2444	2592/4390	2970/5510
Minimum/maximum EER (4)	—	2.5/2.74	2.8/3.1	2.6 / 3.5	2.96/3.29	2.85/3.2
Outdoor operating temperature range	°C	−25 to 43	−25 to 43	−25 to 43	−25 to 43	−25 to 43
Minimum water temperature (heating/cooling)	°C	20 / 7	20 / 7	20 / 7	20 / 7	20 / 7
Control electronics fuses	—	Indoor unit: 65TS/T15AL/250V; outdoor unit: 65TS/T25AL/250V	Indoor unit: 65TS/T15AL/250V; outdoor unit: 65TS/T25AL/250V	Indoor unit: 65TS/T15AL/250V; outdoor unit: 65TS/T25AL/250V	Indoor unit: 65TS/T15AL/250V; outdoor unit: 51NM/10A/250V	Indoor unit: 65TS/T15AL/250V; outdoor unit: 51NM/10A/250V
Minimum floor area for installation and operation	m2	0.8	1.9	3.1	6.2	6.4
Maximum operating pressure — high-pressure circuit	MPa	4.2	4.2	4.2	4.2	4.2

Parameter	Unit	ATTACK 6	ATTACK 9	ATTACK 12	ATTACK 15	ATTACK 19
Maximum operating pressure — low-pressure circuit	MPa	1.2	1.2	1.2	1.2	1.2
Compressor	type / number	Twin rotary — 1	Twin rotary — 1	Twin rotary — 1	Twin rotary — 1	Twin rotary — 1
Refrigerant — type/charge	type / kg	R32 / 0.9 kg	R32 / 1.4 kg	R32 / 1.8 kg	R32 / 2.55 kg	R32 / 2.6 kg
Number of fans	pcs	1	1	1	2	2
Fan airflow	m3/h	2500	3150	3150	6200	7000
Fan power input	W	34	45	45	90	120
Indoor/outdoor unit sound level	dB(A)	44 / 52	44 / 53	44 / 52	44 / 55	44 / 59
Water-side heat exchanger type	—	Plate heat exchanger	Plate heat exchanger	Plate heat exchanger	Plate heat exchanger	Plate heat exchanger
Water-side heat exchanger pressure drop	kPa	26	26	26	26	26
Heat exchanger connection size	″	G1"	G1"	G1"	G1-1/4"	G1-1/4"
Minimum/nominal/maximum water flow	l/s	0.21/0.29/0.35	0.26/0.43/0.52	0.34/0.57/0.68	0.43/0.71/0.85	0.55/0.92/1.1
Indoor unit dimensions (W × H × D)	mm	570 × 550 × 255	570 × 550 × 255	570 × 550 × 255	570 × 550 × 255	570 × 550 × 255
Outdoor unit dimensions (W × H × D)	mm	1 010 × 370 × 700	1 165 × 370 × 845	1 165 × 370 × 845	1 085 × 390 × 1 450	1 085 × 390 × 1 450
Indoor unit weight	kg	25	25	25	25	25
Outdoor unit weight	kg	65	78	85	120	140