



Compact Actual Thermal Outputs, ErP Data and CoPs

Shoebox Heat Pumps—R134a

Nominal kW rating	Model Number	MCS Accreditation Number	Power Supply (Phases)	Compressor	Energy Rating @ 35C	Energy Rating @ 55C	35		55	
							η_{sshee}	SCoP	η_{sshee}	SCoP
3.0	S3-P0K	BBA0055/31	Single	Single	A+	A+	140%	3.7	113%	3.02
6.0	S6-P0K	BBA0055/35	Single	Twin	A+	A+	130%	3.46	111%	2.97

ErP data

η_{sshee} — seasonal space heating energy efficiency
SCoP—Seasonal COP

Inlet Temperature 0°C

Nominal kW rating	Model Number	MCS Accreditation Number	Power Supply (Phases)	Compressor	35		45		55		60		65	
					kW	CoP	kW	CoP	kW	CoP	kW	CoP	kW	CoP
3.0	S3-P0K	BBA0055/31	Single	Single	3.03	4.05	2.83	3.44	2.54	2.90	2.35	2.65	2.16	2.39
6.0	S6-P0K	BBA0055/35	Single	Twin	5.88	3.86	5.49	3.28	4.93	2.76	4.56	2.53	4.19	2.28

Inlet Temperature 2°C

Nominal kW rating	Model Number	MCS Accreditation Number	Power Supply (Phases)	Compressor	35		45		55		60		65	
					kW	CoP	kW	CoP	kW	CoP	kW	CoP	kW	CoP
3.0	S3-P0K	BBA0055/31	Single	Single	3.26	4.25	3.06	3.62	2.77	3.05	2.60	2.80	2.39	2.56
6.0	S6-P0K	BBA0055/35	Single	Twin	6.33	4.05	5.94	3.45	5.38	2.91	5.05	2.67	4.64	2.44

Inlet Temperature 4°C

Nominal kW rating	Model Number	MCS Accreditation Number	Power Supply (Phases)	Compressor	35		45		55		60		65	
					kW	CoP	kW	CoP	kW	CoP	kW	CoP	kW	CoP
3.0	S3-P0K	BBA0055/31	Single	Single	3.49	4.44	3.30	3.79	3.01	3.20	2.84	2.94	2.64	2.70
6.0	S6-P0K	BBA0055/35	Single	Twin	6.77	4.23	6.40	3.61	5.84	3.05	5.51	2.80	5.12	2.57

Inlet Temperature 6°C

Nominal kW rating	Model Number	MCS Accreditation Number	Power Supply (Phases)	Compressor	35		45		55		60		65	
					kW	CoP	kW	CoP	kW	CoP	kW	CoP	kW	CoP
3.0	S3-P0K	BBA0055/31	Single	Single	3.74	4.63	3.54	3.96	3.26	3.35	3.08	3.08	2.88	2.82
6.0	S6-P0K	BBA0055/35	Single	Twin	7.26	4.41	6.87	3.77	6.33	3.19	5.98	2.94	5.59	2.69

Inlet Temperature 8°C

Nominal kW rating	Model Number	MCS Accreditation Number	Power Supply (Phases)	Compressor	35		45		55		60		65	
					kW	CoP	kW	CoP	kW	CoP	kW	CoP	kW	CoP
3.0	S3-P0K	BBA0055/31	Single	Single	3.99	4.81	3.80	4.18	3.51	3.49	3.34	3.20	3.14	2.94
6.0	S6-P0K	BBA0055/35	Single	Twin	7.74	4.58	7.37	3.98	6.81	3.33	6.48	3.05	6.09	2.80

Inlet Temperature 10°C

Nominal kW rating	Model Number	MCS Accreditation Number	Power Supply (Phases)	Compressor	35		45		55		60		65	
					kW	CoP	kW	CoP	kW	CoP	kW	CoP	kW	CoP
3.0	S3-P0K	BBA0055/31	Single	Single	4.25	4.98	4.06	4.26	3.78	3.62	3.60	3.33	3.41	3.05
6.0	S6-P0K	BBA0055/35	Single	Twin	8.25	4.75	7.88	4.06	7.34	3.45	6.99	3.17	6.62	2.91

All COP figures quoted are calculated as per EN14511.