

Actual Thermal Outputs, ErP Data and SCoPs

High Temperature Compact 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}	ErP	η_{sshee}	ErP
6.2	H062-S1H	BBA0055/21	Single	Single	A+	A+	141%	3.72	114%	3.07
7	H070-S1H	BBA0055/22	Single	Single	A++	A+	160%	4.21	123%	3.28
8.5	H085-S1H	BBA0055/23	Single	Single	A+	A+	146%	3.85	114%	3.06

ErP data

η_{sshee} — seasonal space heating energy efficiency

SCoP—Seasonal COP

* - Units are currently being ErP tested and will be available when complete.

Inlet Temperature 0°C

Nominal kW rating	Model Number	MCS Accreditation Number	Power Supply (Phases)	Compressor	35		45		55		60		65	
					kW	MCS SCoP	kW	MCS SCoP	kW	MCS SCoP	kW	MCS SCoP	kW	MCS SCoP
6.2	H062-S1H	BBA0055/21	Single	Single	6.4	3.51	6.1	3.18	5.8	2.86	5.7	2.71	5.5	2.56
7	H070-S1H	BBA0055/22	Single	Single	7.1	4.01	6.8	3.54	6.5	3.06	6.4	2.85	6.3	2.64
8.5	H085-S1H	BBA0055/23	Single	Single	8.7	3.64	8.3	3.25	7.9	2.85	7.7	2.73	7.5	2.61

Inlet Temperature 2°C

Nominal kW rating	Model Number	MCS Accreditation Number	Power Supply (Phases)	Compressor	35		45		55		60		65	
					kW	MCS SCoP	kW	MCS SCoP	kW	MCS SCoP	kW	MCS SCoP	kW	MCS SCoP
6.2	H062-S1H	BBA0055/21	Single	Single	6.8	3.69	6.5	3.34	6.2	3.00	6	2.96	5.9	2.67
7	H070-S1H	BBA0055/22	Single	Single	7.7	4.20	7.3	3.70	6.9	3.18	6.8	3.09	6.6	2.73
8.5	H085-S1H	BBA0055/23	Single	Single	9.4	3.83	8.9	3.42	8.4	2.98	8.2	2.97	8	2.72

Inlet Temperature 4°C

Nominal kW rating	Model Number	MCS Accreditation Number	Power Supply (Phases)	Compressor	35		45		55		60		65	
					kW	MCS SCoP	kW	MCS SCoP	kW	MCS SCoP	kW	MCS SCoP	kW	MCS SCoP
6.2	H062-S1H	BBA0055/21	Single	Single	7.4	3.85	7	3.47	6.6	3.13	6.4	2.96	6.3	2.78
7	H070-S1H	BBA0055/22	Single	Single	8.2	4.41	7.8	3.89	7.4	2.88	7.2	3.09	7	2.84
8.5	H085-S1H	BBA0055/23	Single	Single	10.1	4.03	9.5	3.58	9	2.69	7	2.97	8.5	2.82

All MCS SCOP figures quoted are calculated as per EN14511, EN14825, EU Directives and MCS

All MCS SCOP figures quoted above an inlet temperature of 0°C are estimates and should not be used in running cost calculations for MCS

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Inlet Temperature 6°C

Nominal kW rating	Model Number	MCS Accreditation Number	Power Supply (Phases)	Compressor	35		45		55		60		65	
					kW	MCS SCoP	kW	MCS SCoP	kW	MCS SCoP	kW	MCS SCoP	kW	MCS SCoP
6.2	H062-S1H	BBA0055/21	Single	Single	7.9	4.01	7.5	3.63	7.1	3.27	6.8	3.10	6.7	2.89
7	H070-S1H	BBA0055/22	Single	Single	8.8	4.63	8.3	4.07	7.9	3.48	7.6	3.23	7.5	2.95
8.5	H085-S1H	BBA0055/23	Single	Single	10.8	4.23	10.2	3.76	9.6	3.27	9.2	3.11	9	2.93

Inlet Temperature 8°C

Nominal kW rating	Model Number	MCS Accreditation Number	Power Supply (Phases)	Compressor	35		45		55		60		65	
					kW	MCS SCoP	kW	MCS SCoP	kW	MCS SCoP	kW	MCS SCoP	kW	MCS SCoP
6.2	H062-S1H	BBA0055/21	Single	Single	8.5	4.18	8	3.79	7.5	3.41	7.3	3.23	7.1	3.02
7	H070-S1H	BBA0055/22	Single	Single	9.4	4.85	8.9	4.25	8.4	3.63	8.1	3.36	7.9	3.06
8.5	H085-S1H	BBA0055/23	Single	Single	11.6	4.43	10.9	3.93	10.2	3.42	9.8	3.25	9.5	3.06

Inlet Temperature 10°C

Nominal kW rating	Model Number	MCS Accreditation Number	Power Supply (Phases)	Compressor	35		45		55		60		65	
					kW	MCS SCoP	kW	MCS SCoP	kW	MCS SCoP	kW	MCS SCoP	kW	MCS SCoP
6.2	H062-S1H	BBA0055/21	Single	Single	9.1	4.34	8.6	3.94	8	3.55	7.8	3.36	7.5	3.15
7	H070-S1H	BBA0055/22	Single	Single	10.1	5.09	9.5	4.46	8.9	3.79	8.6	3.50	8.4	3.18
8.5	H085-S1H	BBA0055/23	Single	Single	12.5	4.65	11.7	4.12	10.9	3.56	10.5	3.39	10.1	3.18

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