

Rated data for certification programmes - heating mode

Tamb [°C]	EWC [°C]	LWC [°C]	ERRA08EAV3(7)		ERRA10EAV3(7)		ERRA12EAV3(7)		ERRA08EAW1(7)		ERRA10EAW1(7)		ERRA12EAW1(7)		Used for:
			HC [kW]	COP	HC [kW]	COP	HC [kW]	COP	HC [kW]	COP	HC [kW]	COP	HC [kW]	COP	
7/6	30	35	6,17	4,92	6,17	4,92	6,17	4,92	6,17	5,10	6,17	5,10	6,17	5,10	Keymark, EHPA EHPA General
2/1	(30)	35	5,74	4,08	5,74	4,08	5,74	4,08	5,74	4,23	5,74	4,23	5,74	4,23	
-7/-8	(30)	35	7,49	3,04	7,49	3,04	7,49	3,04	7,49	3,14	7,49	3,14	7,49	3,14	
7/6	40	45	7,73	3,57	7,73	3,57	7,73	3,57	7,73	3,70	7,73	3,70	7,73	3,70	General MCS
-2/-3	(40)	45	8,58	2,83	8,66	2,59	9,36	2,54	8,58	2,91	8,66	2,69	9,36	2,64	
7/6	47	55	7,72	2,94	7,72	2,94	7,72	2,94	7,72	3,05	7,72	3,05	7,72	3,05	Keymark, EHPA GET
-7/-8	47	55	7,55	2,05	9,02	2,11	9,02	2,11	7,55	2,13	9,02	2,19	9,02	2,19	

Rated data for certification programmes - cooling mode

Nominal cooling capacity

Tamb [°C]	EWE [°C]	LWE [°C]	ERRA08EAV3(7)		ERRA10EAV3(7)		ERRA12EAV3(7)		ERRA08EAW1(7)		ERRA10EAW1(7)		ERRA12EAW1(7)		Used for:
			CC [kW]	EER	CC [kW]	EER	CC [kW]	EER	CC [kW]	EER	CC [kW]	EER	CC [kW]	EER	
35	23	18	6,47	5,56	6,47	5,56	6,47	5,56	6,47	5,75	6,47	5,75	6,47	5,75	General DAPT General
35	12	7	6,81	3,17	7,97	3,00	8,62	2,91	6,81	3,28	7,97	3,10	8,62	3,01	

Seasonal data - cooling

LWE 7°C

Low temperature
Application

	ERRA08EAV3(7)	ERRA10EAV3(7)	ERRA12EAV3(7)	ERRA08EAW1(7)	ERRA10EAW1(7)	ERRA12EAW1(7)
Pdes [kW]	6,5	7,5	8,5	6,5	7,5	8,5
SEER [-]	5,38	5,34	5,31	5,42	5,41	5,41
η _{5,c} [%]	212	211	209	214	214	213
QCE [kWh/annum]	725	843	961	719	831	943

Rated data for certification programmes - domestic hot water performance

Indoor unit	ELV*12S18EJ*		ELV*12S23EJ*		ELS(X/H)(B/-)12P30EF		ELS(X/H)(B/-)12P50EF		Used for:
Outdoor unit	ERRA*EAV3(7)	ERRA*EAW1(7)	ERRA*EAV3(7)	ERRA*EAW1(7)	ERRA*EAV3(7)	ERRA*EAW1(7)	ERRA*EAV3(7)	ERRA*EAW1(7)	
Application	Average climate		Average climate		Average climate		Average climate		Keymark
Domestic hot water tank volume [l]	180		230		294		477		
Tapping pattern	L		L		L		XL		
Heat-up time (hh:mm:ss)	01:57:00		02:14:00		02:29:00		03:28:00		
θ _{wh} [°C]	52,5		52,5		46,1		44,7		
P _{es} [W]	51,7	50,7	44,8	43,9	38,1	37,4	32,7	32,5	
V _{eq40} [l]	240		298		172,6		260,0		
η _{wh} [%]	116,7	120,3	126,4	130	115,7	119,3	131,5	135,7	
COP _{DHW} [l]	2,72	2,8	2,96	3,05	2,75	2,83	3,19	3,29	

Symbols

HC	Heating capacity measured according to EN 14511	LWE	Leaving water evaporator temperature [°C]
CC	Cooling capacity, measured according to EN 14511.	Tamb	Ambient temperature [°C DB/WB]
COP/EER	Coefficient of Performance/Energy efficiency ratio according to EN 14511.	θ _{wh}	Reference Domestic hot water temperature [°C]
EWC	Entering water condenser temperature [°C]	P _{es}	Standby power input
LWC	Leaving water condenser temperature [°C]	V _{eq40}	Equivalent domestic hot water volume [l]
EWE	Entering water evaporator temperature [°C]	η _{wh}	Efficiency [%] Domestic hot water heating mode
		COP _{DHW}	Domestic hot water COP

According to EN16147.
According to EN16147.
According to EN16147.
According to EN16147.

Rated data for certification programmes - heating mode

Measured according to -UNI/TS 11300-

Condition	Tamb [°C]	LWC [°C]	PLR [%]	ERRA08EAV3(7)		ERRA10EAV3(7)		ERRA12EAV3(7)		ERRA08EAW1(7)		ERRA10EAW1(7)		ERRA12EAW1(7)	
				HC [kW]	COP	HC [kW]	COP	HC [kW]	COP	HC [kW]	COP	HC [kW]	COP	HC [kW]	COP
A	-7/-8	34	100	7,49	3,10	8,73	3,02	10,22	2,93	7,49	3,20	8,73	3,12	10,22	3,03
B	2/1	30	100	6,68	3,87	7,83	3,86	8,41	3,86	6,68	4,01	7,83	3,99	8,41	3,98
C	7/6	27	100	8,44	5,60	9,84	5,42	10,61	5,32	8,44	5,78	9,84	5,59	10,61	5,48
D	12/11	24	100	9,27	7,52	10,70	7,35	11,59	7,24	9,27	7,77	10,70	7,58	11,59	7,46
A	-7/-8	52	100	7,54	2,20	8,91	2,21	10,55	2,22	7,54	2,28	8,91	2,29	10,55	2,30
B	2/1	42	100	7,81	3,47	8,04	3,21	8,16	3,08	7,81	3,58	8,04	3,31	8,16	3,18
C	7/6	36	100	8,16	4,43	9,54	4,42	10,31	4,41	8,16	4,57	9,54	4,56	10,31	4,55
D	12/11	30	100	9,04	6,16	10,49	6,21	11,39	6,24	9,04	6,35	10,49	6,40	11,39	6,43

Rated data for certification programmes - cooling mode

Measured according to -UNI/TS 11300-

Condition	Tamb [°C]	LWE [°C]	PLR [%]	ERRA08EAV3(7)		ERRA10EAV3(7)		ERRA12EAV3(7)		ERRA08EAW1(7)		ERRA10EAW1(7)		ERRA12EAW1(7)	
				CC [kW]	EER	CC [kW]	EER	CC [kW]	EER	CC [kW]	EER	CC [kW]	EER	CC [kW]	EER
A	35	18	100	10,89	4,35	11,77	4,11	12,66	3,87	10,89	4,51	11,77	4,26	12,66	4,01
B	30	18	75	7,96	6,05	8,73	5,98	9,51	5,90	7,96	6,26	8,73	6,19	9,51	6,11
C	25	18	50	5,51	8,83	5,90	8,36	6,28	7,88	5,51	9,04	5,90	8,60	6,28	8,17
D	20	18	25	3,47	12,42	3,47	12,42	3,47	12,42	3,47	12,29	3,47	12,29	3,47	12,29
A	35	7	100	7,33	3,09	7,97	3,00	8,62	2,91	7,33	3,20	7,97	3,10	8,62	3,01
B	30	7	75	5,34	4,06	5,86	4,01	6,38	3,96	5,34	4,20	5,86	4,15	6,38	4,10
C	25	7	50	3,66	5,21	3,95	5,22	4,24	5,23	3,66	5,36	3,95	5,39	4,24	5,42
D	20	7	25	2,19	6,20	2,19	6,20	2,19	6,20	2,19	6,17	2,19	6,17	2,19	6,17