

EPRA08-12EV
EPRA08-12EW

Rated data for certification programmes - heating mode

Tamb [°C]	EWc [°C]	LWC [°C]	EPRA08EAV3 HC [kW]	COP	EPRA10EAV3 HC [kW]	COP	EPRA12EAV3 HC [kW]	COP	EPRA08EAW1 HC [kW]	COP	EPRA10EAW1 HC [kW]	COP	EPRA12EAW1 HC [kW]	COP	Used for:
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
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	EHPA
-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	General
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
-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	MCS
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
-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	GET

Rated data for certification programmes - cooling mode

Nominal cooling capacity

Tamb [°C]	EWE [°C]	LWE [°C]	EPRA08EAV3 CC [kW]	EER	EPRA10EAV3 CC [kW]	EER	EPRA12EAV3 CC [kW]	EER	EPRA08EAW1 CC [kW]	EER	EPRA10EAW1 CC [kW]	EER	EPRA12EAW1 CC [kW]	EER	Used for:
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
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	DAPT General

Seasonal data - cooling

LWE 7°C

Low temperature

Application

		EPRA08EAV3	EPRA10EAV3	EPRA12EAV3	EPRA08EAW1	EPRA10EAW1	EPRA12EAW1
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
ηs,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	ETV*12S(U/-)18EA*		ETV*12S(U/-)23EA*		ETS(X/H)(B/-)12P30E*		ETS(X/H)(B/-)12P50E*		Used for:
Outdoor unit	EPRA*EAV3 EPRA*EAW1		EPRA*EAV3 EPRA*EAW1		EPRA*EAV3 EPRA*EAW1		EPRA*EAV3 EPRA*EAW1		
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		03:13:00		
θ _{wh} [°C]	52,5		52,5		47,2		44,5		
P _{es} [W]	51,7	50,7	44,8	43,9	38,1	37,4	32,7	32,1	
V _{d0} [l]	240		298		194,0		246,0		
η _{wh} [%]	116,7	120,3	126,4	130	116	119	128	131	
COP _{DHW} [-]	2,72	2,8	2,96	3,05	2,75	2,83	3,1	3,17	

Symbols

HC	Heating capacity measured according to EN 14511
CC	Cooling capacity, measured according to -EN 14511-.
COP/EER	Coefficient of Performance/Energy efficiency ratio according to EN 14511.
EWc	Entering water condenser temperature [°C]
LWC	Leaving water condensor temperature [°C]
EWE	Entering water evaporator temperature [°C]

LWE	Leaving water evaporator temperature [°C]
Tamb	Ambient temperature [°C DB/WB]
θ _{wh}	Reference Domestic hot water temperature [°C]
P _{es}	Standby power input
V _{eq40}	Equivalent domestic hot water volume [l]
η _{wh}	Efficiency [%] Domestic hot water heating mode
COP _{DHW}	Domestic hot water COP

According to EN16147.
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