

EPR14-18DV7 / EPR14-18DV7

Rated data for certification programmes - heating mode

Tamb [°C]	EWC [°C]	LWC [°C]	EPR14D4DV3(7)		EPR16DAV3(7)		EPR18DAV3(7)		EPR14D4W1(7)		EPR16DAW1(7)		EPR18DAW1(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	5,69	4,67	9,00	5,00	9,00	5,00	9,90	4,79	9,00	5,00	9,00	5,00	Keymark, EHPA
0/1	(30)	35	7,88	4,31	7,88	4,31	7,88	4,31	7,88	4,09	7,52	4,09	7,52	4,09	EHPA
-7/8	(30)	35	10,81	3,27	11,78	3,21	12,78	3,15	10,18	3,21	11,40	3,13	12,67	3,05	General
7/6	40	45	7,92	3,42	7,92	3,42	7,92	3,42	7,92	3,42	7,92	3,42	7,92	3,42	General
0/1	47	55	7,24	3,01	7,24	3,01	7,24	3,01	7,24	2,84	7,24	2,84	7,24	2,84	Keymark, EHPA
-7/8	47	55	9,81	2,25	9,81	2,25	9,81	2,25	9,21	2,22	9,21	2,22	9,21	2,22	GET

Rated data for certification programmes - cooling mode

Nominal cooling capacity

Tamb [°C]	EWE [°C]	LWE [°C]	EPR14D4DV3(7)		EPR16DAV3(7)		EPR18DAV3(7)		EPR14D4W1(7)		EPR16DAW1(7)		EPR18DAW1(7)		Used for:
			CC [kW]	EER	CC [kW]	EER	CC [kW]	EER	CC [kW]	EER	CC [kW]	EER	CC [kW]	EER	
35	23	18	10,55	4,13	11,51	4,11	12,46	4,09	11,51	4,13	11,51	4,11	12,46	4,09	General
35	12	7	6,90	2,7	7,88	2,69	8,86	2,68	6,90	2,7	7,88	2,69	8,86	2,68	DAPT General

Seasonal data - cooling

LWE 7°C

Low temperature Application

	EPR14D4DV3(7)	EPR16DAV3(7)	EPR18DAV3(7)	EPR14D4W1(7)	EPR16DAW1(7)	EPR18DAW1(7)
Pdes [kW]	6,9	7,9	8,8	6,9	7,9	8,8
SEER [l]	3,99	4,08	4,17	3,87	3,98	4,07
PLC [h]	157	160	164	157	158	160
OCE [kWh/annum]	1038	1158	1266	1069	1166	1296

Rated data for certification programmes - domestic hot water performance

Indoor unit	ETV**16S18D/EJA*			ETV**16S23D/EJA*			ETSX/H/EB/16P3DDA			ETSX/H/16P5SDDA			ETSX/H/16P5SDDA			ETSX/H/16P3DEF			Used for:																													
	plm=0001	plm=0002	plm=0003	plm=0001	plm=0002	plm=0003	plm=0001	plm=0002	plm=0003	plm=0001	plm=0002	plm=0003	plm=0001	plm=0002	plm=0003	plm=0001	plm=0002	plm=0003																														
Outdoor unit	Average climate			Average climate			Average climate			Average climate			Average climate			Average climate																																
Domestic hot water tank volume [l]	180			230			294			477			477			477																																
Tapping pattern	01:06:36			01:19:36			01:25:00			01:41:00			02:18:00			01:46:00			02:11:00																													
Heat-up time (h:mm:ss)	L			L			L			L			L			L			L																													
Pa [°C]	52,5			52,5			47,0			47,0			48,0			47,0			44,4																													
Pb [W]	34,2			42,9			49,2			51,0			57,1			57,7			57,4			56,9			46,5	46,3	46,2	46,1																				
Va [l]	240,0			298			149			237,2			215,7			211,0			245			245																										
η _{th} [%]	109,5			105,7			108,3			106,6			101			111			115			108			124			125,5			124			126,1			125			126,9								
CDP _{HW} [l]	2,62			2,55			2,61			2,55			2,38			2,67			2,75			2,58			2,85			2,89			2,86			2,91			2,99			3,03			3			3,04		

Symbols

HC Heating capacity measured according to EN 14511

CE Cooling capacity, measured according to EN 14511

COP/SEER Coefficient of Performance/Energy efficiency ratio according to EN 14511

EWC Entering water condenser temperature [°C]

LWC Leaving water condenser temperature [°C]

EWE Entering water evaporator temperature [°C]

LWE Leaving water evaporator temperature [°C]

Tamb Ambient temperature [°C DB/WB]

φ_{int} Reference

P_{st} Standby power input

V_{HW} Equivalent domestic hot water volume [l]

η_{th} Efficiency [%]

CDP_{HW} Domestic hot water COP

Domestic hot water temperature [°C]

Domestic hot water heating mode

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 [%]	EPR14D4DV3(7)		EPR16DAV3(7)		EPR18DAV3(7)		EPR14D4W1(7)		EPR16DAW1(7)		EPR18DAW1(7)	
				HC [kW]	COP	HC [kW]	COP	HC [kW]	COP	HC [kW]	COP	HC [kW]	COP	HC [kW]	COP
A	-7/8	24	100	10,43	3,10	11,48	3,10	12,35	3,10	10,26	3,10	11,36	3,01	12,20	3,00
B	2/1	30	100	8,02	3,75	8,60	3,76	9,55	3,75	8,23	3,58	8,82	3,59	9,80	3,58
C	7/6	27	100	9,93	5,84	10,64	5,83	11,82	5,84	9,95	5,47	10,66	5,46	11,84	5,47
D	12/11	24	100	11,94	9,03	11,94	9,03	13,38	8,69	11,94	8,69	12,61	8,65	13,38	8,69
A	-7/8	52	100	10,43	2,36	11,68	2,35	12,43	2,36	10,89	2,24	12,19	2,24	12,96	2,42
B	2/1	42	100	8,35	2,97	8,95	2,98	9,95	2,97	8,79	2,94	9,41	2,94	10,46	2,94
C	7/6	36	100	10,18	4,72	10,91	4,72	12,13	4,71	9,78	4,38	10,48	4,39	11,64	4,39
D	12/11	30	100	9,29	6,59	9,95	6,59	11,06	6,58	9,49	6,37	10,17	6,40	11,30	6,38

Rated data for certification programmes - cooling mode

Measured according to UNI/TS 11300

Condition	Tamb [°C]	LWE [°C]	PLR [%]	EPR14D4DV3(7)		EPR16DAV3(7)		EPR18DAV3(7)		EPR14D4W1(7)		EPR16DAW1(7)		EPR18DAW1(7)	
				CC [kW]	EER	CC [kW]	EER	CC [kW]	EER	CC [kW]	EER	CC [kW]	EER	CC [kW]	EER
A	35	18	100	10,55	4,12	11,51	4,11	12,70	4,08	10,55	4,12	11,51	4,11	12,70	4,08
B	35	18	75	6,62	5,15	7,29	5,15	8,09	5,16	6,62	5,15	7,29	5,15	8,09	5,16
C	25	18	50	4,48	7,61	4,88	7,63	5,40	7,71	4,48	7,63	5,40	7,71	4,48	
D	20	18	25	3,27	5,74	3,27	5,74	3,27	5,74	3,27	5,74	3,27	5,74	3,27	5,74
A	35	7	100	6,90	2,68	7,88	2,69	8,86	2,69	6,90	2,68	7,88	2,69	8,86	2,69
B	35	7	75	4,94	3,47	5,44	3,47	6,04	3,47	4,94	3,47	5,44	3,47	6,04	3,47
C	25	7	50	4,10	4,41	4,31	4,31	4,76	4,33	4,10	4,41	4,31	4,31	4,76	4,33
D	20	7	25	2,78	4,80	2,78	4,80	2,78	4,80	2,78	4,80	2,78	4,80	2,78	4,80