ENERG Y IJA IE IA

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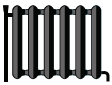
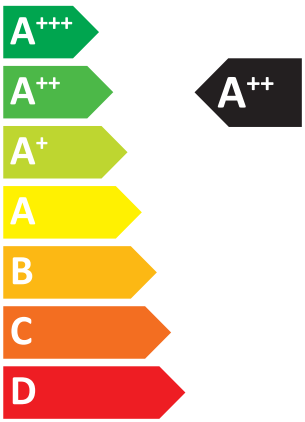
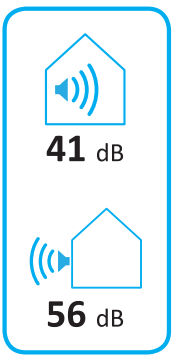
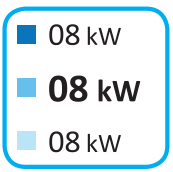
MITSUBISHI ELECTRIC

Indoor unit	E*ST17/20D-****D
Outdoor unit	PUD-SHWM80YAA(-BS)









2019

811/2013

BH79V003H12

Mitsubishi Electric ErP Directive Related Product Information: erp.mitsubishielectric.eu/erp

For medium-temperature application.

1	2	3	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Outdoor unit	Indoor unit	Medium-temperature application	Seasonal space heating energy efficiency class	Water heating energy efficiency class	Rated heat output under average climate conditions	For space heating, annual energy consumption under average climate conditions	For water heating, annual electricity consumption under average climate conditions	Seasonal space heating energy efficiency under average climate conditions	Water heating energy efficiency under average climate conditions	Sound power level L_{WA} indoor	Work only during off-peak hours	Rated heat output under colder climate conditions	Rated heat output under warmer climate conditions	For space heating, annual energy consumption under colder climate conditions	For space heating, annual energy consumption under warmer climate conditions	For water heating, annual energy consumption under colder climate conditions	For water heating, annual energy consumption under warmer climate conditions	Seasonal space heating energy efficiency under colder climate conditions	Seasonal space heating energy efficiency under warmer climate conditions	Water heating energy efficiency under colder climate conditions	Water heating energy efficiency under warmer climate conditions	Sound power level L_{WA} outdoor
					kW	kWh	kWh	%	%	dB		kW	kW	kWh	kWh	kWh	kWh	%	%	%	%	dB
PUD-SWM60VAA(-BS)	EHST17D-****D	✓	A++	A+	6.0	3618	798	130	136	41	-	6.0	6.0	4923	2065	968	709	109	148	112	154	55
	ERST17D-****D	✓	A++	A+	6.0	3618	798	130	136	41	-	6.0	6.0	4923	2065	968	709	109	148	112	154	55
	EHST20D-****D	✓	A++	A+	6.0	3618	736	130	148	41	-	6.0	6.0	4923	2065	900	675	109	148	120	162	55
	ERST20D-****D	✓	A++	A+	6.0	3618	736	130	148	41	-	6.0	6.0	4923	2065	900	675	109	148	120	162	55
	EHST30D-****D	✓	A++	A	6.0	3618	1431	130	121	41	-	6.0	6.0	4923	2065	1700	1203	109	148	102	145	55
	ERST30D-****D	✓	A++	A	6.0	3618	1431	130	121	41	-	6.0	6.0	4923	2065	1700	1203	109	148	102	145	55
	EHSD-****D	✓	A++	-	6.0	3618	-	130	-	41	-	6.0	6.0	4923	2065	-	-	109	148	-	-	55
	ERSD-****D	✓	A++	-	6.0	3618	-	130	-	41	-	6.0	6.0	4923	2065	-	-	109	148	-	-	55
PUD-SWM80VAA(-BS)	EHST17D-****D	✓	A++	A+	8.0	4814	798	131	136	41	-	8.0	8.0	6507	2554	968	709	110	161	112	154	56
	ERST17D-****D	✓	A++	A+	8.0	4814	798	131	136	41	-	8.0	8.0	6507	2554	968	709	110	161	112	154	56
	EHST20D-****D	✓	A++	A+	8.0	4814	736	131	148	41	-	8.0	8.0	6507	2554	900	675	110	161	120	162	56
	ERST20D-****D	✓	A++	A+	8.0	4814	736	131	148	41	-	8.0	8.0	6507	2554	900	675	110	161	120	162	56
	EHST30D-****D	✓	A++	A	8.0	4814	1431	131	121	41	-	8.0	8.0	6507	2554	1700	1203	110	161	102	145	56
	ERST30D-****D	✓	A++	A	8.0	4814	1431	131	121	41	-	8.0	8.0	6507	2554	1700	1203	110	161	102	145	56
	EHSD-****D	✓	A++	-	8.0	4814	-	131	-	41	-	8.0	8.0	6507	2554	-	-	110	161	-	-	56
	ERSD-****D	✓	A++	-	8.0	4814	-	131	-	41	-	8.0	8.0	6507	2554	-	-	110	161	-	-	56
PUD-SWM80YAA(-BS)	EHST17D-****D	✓	A++	A+	8.0	4814	798	130	136	41	-	8.0	8.0	6507	2554	968	709	109	159	112	154	56
	ERST17D-****D	✓	A++	A+	8.0	4814	798	130	136	41	-	8.0	8.0	6507	2554	968	709	109	159	112	154	56
	EHST20D-****D	✓	A++	A+	8.0	4814	736	130	148	41	-	8.0	8.0	6507	2554	900	675	109	159	120	162	56
	ERST20D-****D	✓	A++	A+	8.0	4814	736	130	148	41	-	8.0	8.0	6507	2554	900	675	109	159	120	162	56
	EHST30D-****D	✓	A++	A	8.0	4814	1431	130	121	41	-	8.0	8.0	6507	2554	1700	1203	109	159	102	145	56
	ERST30D-****D	✓	A++	A	8.0	4814	1431	130	121	41	-	8.0	8.0	6507	2554	1700	1203	109	159	102	145	56
	EHSD-****D	✓	A++	-	8.0	4814	-	130	-	41	-	8.0	8.0	6507	2554	-	-	109	159	-	-	56
	ERSD-****D	✓	A++	-	8.0	4814	-	130	-	41	-	8.0	8.0	6507	2554	-	-	109	159	-	-	56
PUD-SWM100VAA(-BS)	EHST20D-****D	✓	A++	A+	10.0	6040	736	131	148	41	-	10.0	10.0	8290	3390	900	675	109	152	120	162	59
	ERST20D-****D	✓	A++	A+	10.0	6040	736	131	148	41	-	10.0	10.0	8290	3390	900	675	109	152	120	162	59
	EHST30D-****D	✓	A++	A	10.0	6040	1431	131	121	41	-	10.0	10.0	8290	3390	1700	1203	109	152	102	145	59
	ERST30D-****D	✓	A++	A	10.0	6040	1431	131	121	41	-	10.0	10.0	8290	3390	1700	1203	109	152	102	145	59
	EHSD-****D	✓	A++	-	10.0	6040	-	131	-	41	-	10.0	10.0	8290	3390	-	-	109	152	-	-	59
	ERSD-****D	✓	A++	-	10.0	6040	-	131	-	41	-	10.0	10.0	8290	3390	-	-	109	152	-	-	59
PUD-SWM100YAA(-BS)	EHST20D-****D	✓	A++	A+	10.0	6040	736	130	148	41	-	10.0	10.0	8290	3390	900	675	109	151	120	162	59
	ERST20D-****D	✓	A++	A+	10.0	6040	736	130	148	41	-	10.0	10.0	8290	3390	900	675	109	151	120	162	59
	EHST30D-****D	✓	A++	A	10.0	6040	1431	130	121	41	-	10.0	10.0	8290	3390	1700	1203	109	151	102	145	59
	ERST30D-****D	✓	A++	A	10.0	6040	1431	130	121	41	-	10.0	10.0	8290	3390	1700	1203	109	151	102	145	59
	EHSD-****D	✓	A++	-	10.0	6040	-	130	-	41	-	10.0	10.0	8290	3390	-	-	109	151	-	-	59
	ERSD-****D	✓	A++	-	10.0	6040	-	130	-	41	-	10.0	10.0	8290	3390	-	-	109	151	-	-	59
PUD-SWM120VAA(-BS)	EHST20D-****D	✓	A++	A+	12.0	7377	736	129	148	41	-	12.0	12.0	9994	4128	900	675	109	150	120	162	60
	ERST20D-****D	✓	A++	A+	12.0	7377	736	129	148	41	-	12.0	12.0	9994	4128	900	675	109	150	120	162	60
	EHST30D-****D	✓	A++	A	12.0	7377	1431	129	121	41	-	12.0	12.0	9994	4128	1700	1203	109	150	102	145	60
	ERST30D-****D	✓	A++	A	12.0	7377	1431	129	121	41	-	12.0	12.0	9994	4128	1700	1203	109	150	102	145	60
	EHSD-****D	✓	A++	-	12.0	7377	-	129	-	41	-	12.0	12.0	9994	4128	-	-	109	150	-	-	60
	ERSD-****D	✓	A++	-	12.0	7377	-	129	-	41	-	12.0	12.0	9994	4128	-	-	109	150	-	-	60
PUD-SWM120YAA(-BS)	EHST20D-****D	✓	A++	A+	12.0	7377	736	128	148	41	-	12.0	12.0	9994	4128	900	675	108	149	120	162	60
	ERST20D-****D	✓	A++	A+	12.0	7377	736	128	148	41	-	12.0	12.0	9994	4128	900	675	108	149	120	162	60
	EHST30D-****D	✓	A++	A	12.0	7377	1431	128	121	41	-	12.0	12.0	9994	4128	1700	1203	108	149	102	145	60
	ERST30D-****D	✓	A++	A	12.0	7377	1431	128	121	41	-	12.0	12.0	9994	4128	1700	1203	108	149	102	145	60
	EHSD-****D	✓	A++	-	12.0	7377	-	128	-	41	-	12.0	12.0	9994	4128	-	-	108	149	-	-	60
	ERSD-****D	✓	A++	-	12.0	7377	-	128	-	41	-	12.0	12.0	9994	4128	-	-	108	149	-	-	60
PUD-SHWM60VAA(-BS)	EHST17D-****D	✓	A++	A+	6.0	3535	798	134	136	41	-	6.0	6.0	4776	1919	968	709	113	159	112	154	55
	ERST17D-****D	✓	A++	A+	6.0	3535	798	134	136	41	-	6.0	6.0	4776	1919	968	709	113	159	112	154	55
	EHST20D-****D	✓	A++	A+	6.0	3535	736	134	148	41	-	6.0	6.0	4776	1919	900	675	113	159	120	162	55
	ERST20D-****D	✓	A++	A+	6.0	3535	736	134	148	41	-	6.0	6.0	4776	1919	900	675	113	159	120	162	55
	EHST30D-****D	✓	A++	A	6.0	3535	1431	134	121	41	-	6.0	6.0	4776	1919	1700	1203	113	159	102	145	55
	ERST30D-****D	✓	A++	A	6.0	3535	1431	134	121	41	-	6.0	6.0	4776	1919	1700	1203	113	159	102	145	55
	EHSD-****D	✓	A++	-	6.0	3535	-	134	-	41	-	6.0	6.0	4776	1919	-	-	113	159	-	-	55
	ERSD-****D	✓	A++	-	6.0	3535	-	134	-	41	-	6.0	6.0	4776	1919	-	-	113	159	-	-	55
PUD-SHWM80VAA(-BS)	EHST17D-****D	✓	A++	A+	8.0	4695	798	135	136	41	-	8.0	8.0	6335	2479	968	709	114	166	112	154	56
	ERST17D-****D	✓	A++	A+	8.0	4695	798	135	136	41	-	8.0	8.0	6335	2479	968	709	114	166	112	154	56
	EHST20D-****D	✓	A++	A+	8.0	4695	736	135	148	41	-	8.0	8.0	6335	2479	900	675	114	166	120	162	56
	ERST20D-****D	✓	A++	A+	8.0	4695	736	135	148	41	-	8.0	8.0	6335	2479	900	675	114	166	120	162	56
	EHST30D-****D	✓	A++	A	8.0	4695	1431	135	121	41	-	8.0	8.0	6335	2479	1700	1203	114	166	102	145	56
	ERST30D-****D	✓	A++	A	8.0	4695	1431	135	121	41	-	8.0	8.0	6335	2479	1700	1203	114	166	102	145	56
	EHSD-****D	✓	A++	-	8.0	4695	-	135	-	41	-	8.0	8.0	6335	2479	-	-	114	166	-	-	56
	ERSD-****D	✓	A++	-	8.0	4695	-	135	-	41	-	8.0	8.0	6335	2479	-	-	114	166	-	-	56
PUD-SHWM80YAA(-BS)	EHST17D-****D	✓	A++	A+	8.0	4695	798	134	136	41	-	8.0	8.0	6335	2479	968	709	113	164	112	154	56
	ERST17D-****D	✓	A++	A+	8.0	4695	798	134	136	41	-	8.0	8.0	6335	2479	968	709	113	164	112	154	56
	EHST20D-****D	✓	A++	A+	8.0	4695	736	134	148	41	-	8.0	8.0	6335	2479	900	675	113	164	120	162	56
	ERST20D-****D	✓	A++	A+	8.0	4695	736	134	148	41	-	8.0	8.0	6335	2479	900	675	113	164	120	162	56
	EHST30D-****D	✓	A++	A	8.0	4695	1431	134	121	41	-	8.0	8.0	6335	2479	1700	1203	113	164	102	145	56
	ERST30D-****D	✓	A++	A	8.0	4695	1431	134	121	41	-	8.0	8.0	6335	2479	1700	1203	113	164	102	145	56
	EHSD-****D	✓	A++	-	8.0	4695	-	134	-	41	-	8.0	8.0	6335	2479	-	-	113	164	-	-	56
	ERSD-****D	✓	A++	-	8.0	4695	-	134	-	41	-	8.0	8.0	6335	2479	-	-	113	164	-	-	56
PUD-SHWM100VAA(-BS)	EHST20D-****D	✓	A++	A+	10.0	5836	736	136	148	41	-	10.0	10.0	7924	3169	900	675	115	163	120	162	59
	ERST20D-****D	✓	A++	A+	10.0	5836	736	136	148	41	-	10.0	10.0	7924	3169	900	675	115	163	120	162	59
	EHST30D-****D	✓	A++	A	10.0	5836	1431	136	121	41	-	10.0	10.0	7924	3169	1700	1203	115	163	102	145	59
	ERST30D-****D	✓	A++	A	10.0	5836	1431	136	121	41	-	10.0	10.0	7924	3169	1700	1203	115	163	102	145	59
	EHSD-****D	✓	A++	-	10.0	5836	-	136	-	41	-	10.0	10.0	7924	3169	-	-	115	163	-	-	59
	ERSD-****D	✓	A++	-	10.0	5836	-	136	-	41	-	10.0	10.0	7924	3169	-	-	115	163	-	-	59
PUD-SHWM100YAA(-BS)	EHST20D-****D	✓	A++	A+	10.0	5836	736	135	148	41	-	10.0	10.0	7924	3169	900	675	114	161	120	162	59
	ERST20D-****D	✓	A++	A+	10.0	5836	736	135	148	41	-	10.0	10.0	7924	3169	900	675	114	161	120	162	59
	EHST30D-****D	✓	A++	A	10.0	5836	1431	135	121	41	-	10.0	10.0	7924	3169	1700	1203	114	161	102	145	59
	ERST30D-****D	✓	A++	A	10.0	5836	1431	135	121	41	-	10.0	10.0	7924	3169	1700	1203	114	161	102	145	59
	EHSD-****D	✓	A++	-	10.0	5836	-	135	-	41	-	10.0	10.0	7924	3169	-	-	114	161	-	-	59
	ERSD-****D	✓	A++	-	10.0	5836	-	135	-	41	-	10.0	10.0	7924	3169	-	-	114	161	-	-	59
PUD-SHWM120VAA(-BS)	EHST20D-****D	✓	A++	A+	12.0	7068	736	135	148	41	-	12.0	12.0	9563	3901	900	675	115	159	120	162	60
	ERST20D-****D	✓	A++	A+	12.0	7068	736	135	148	41	-	12.0	12.0	9563	3901	900	675	115	159	120	162	60
	EHST30D-****D	✓	A++	A	12.0	7068	1431	135	121	41	-	12.0	12.0	9563	3901	1700	1203	115	159	102	145	60
	ERST30D-****D	✓	A++	A	12.0	7068	1431	135	121	41	-	12.0	12.0	9563	3901	1700	1203	115	159	102	145	60
	EHSD-****D	✓	A++	-	12.0	7068	-	135	-	41	-	12.0	12.0	9563	3901	-	-	115	159	-	-	60
	ERSD-****D	✓	A++	-	12.0	7068	-	135	-	41	-	12.0	12.0	9563	3901	-	-	115	159	-	-	60
PUD-SHWM120YAA(-BS)	EHST20D-****D	✓	A++	A+	12.0	7068	736	134	148	41	-	12.0	12.0	9563	3901	900	675	114	158	120	162	60
	ERST20D-****D	✓	A++	A+	12.0	7068	736	134	148	41	-	12.0	12.0	9563	3901	900	675	114	158	120	162	60
	EHST30D-****D	✓	A++	A	12.0	7068	1431	134	121	41	-	12.0	12.0	9563	3901	1700	1203	114	158	102	145	60
	ERST30D-****D	✓	A++	A	12.0	7068	1431	134	121	41	-	12.0	12.0	9563	3901	1700	1203	114	158	102	145	60
	EHSD-****D	✓	A++	-	12.0	7068	-	134	-	41	-	12.0	12.0	9563	3901	-	-	114	158	-	-	60
	ERSD-****D	✓	A++	-	12.0	7068	-	134	-	41	-	12.0	12.0	9563	3901	-	-	114	158	-	-	60
PUD-SHWM140VAA(-BS)	EHST20D-****D	✓	A++	A+	14.0	8315	736	134	148	41	-	14.0	14.0	11287	4667	900	675	112	155	120	162	62
	ERST20D-****D	✓	A++	A+	14.0	8315	736	134	148	41	-	14.0	14.0	11287	4667	900	675	112	155	120	162	62
	EHST30D-****D	✓	A++	A	14.0	8315	1443	134	121	41	-	14.0	14.0	11287	4667	1706	1255	112	155	102	139	62
	ERST30D-****D	✓	A++	A	14.0	8315	1443	134	121	41	-	14.0	14.0	11287	4667	1706	1255	112	155	102	139	62
	EHSD-****D	✓	A++	-	14.0	8315	-	134	-	41	-	14.0	14.0	11287	4667	-	-	112	155	-	-	62
	ERSD-****D	✓	A++	-	14.0	8315	-	134	-	41	-	14.0	14.0	11287	4667	-	-	112	155	-	-	62
PUD-SHWM140YAA(-BS)	EHST20D-****D	✓	A++	A+	14.0	8315	736	134	148	41	-	14.0	14.0	11287	4667	900	675	112	155	120	162	62
	ERST20D-****D	✓	A++	A+	14.0	8315	736	134	148	41	-	14.0	14.0	11287	4667	900	675	112	155	120	162	62
	EHST30D-****D	✓	A++	A	14.0	8315	1443	134	121	41	-	14.0	14.0	11287	4667	1706	1255	112	155	102	139	62
	ERST30D-****D	✓	A++	A	14.0	8315	1443	134	121	41	-	14.0	14.0	11287	4667	1706	1255	112	155	102	139	62
	EHSD-****D	✓	A++	-	14.0	8315	-	134	-	41	-	14.0	14.0	11287	4667	-	-	112	155	-	-	62
	ERSD-****D	✓	A++	-	14.0	8315	-	134	-	41	-	14.0	14.0	11287	4667	-	-	112	155	-	-	62

For low-temperature application.

1	2	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Outdoor unit	Indoor unit	Low-temperature application	Seasonal space heating energy efficiency class	Water heating energy efficiency class	Rated heat output under average climate conditions	For space heating, annual energy consumption under average climate conditions	For water heating, annual electricity consumption under average climate conditions	Seasonal space heating energy efficiency under average climate conditions	Water heating energy efficiency under average climate conditions	Sound power level L_{WA} indoor	Work only during off-peak hours	Rated heat output under colder climate conditions	Rated heat output under warmer climate conditions	For space heating, annual energy consumption under colder climate conditions	For space heating, annual energy consumption under warmer climate conditions	For water heating, annual energy consumption under colder climate conditions	For water heating, annual energy consumption under warmer climate conditions	Seasonal space heating energy efficiency under colder climate conditions	Seasonal space heating energy efficiency under warmer climate conditions	Water heating energy efficiency under colder climate conditions	Water heating energy efficiency under warmer climate conditions	Sound power level L_{WA} outdoor
					kW	kWh	kWh	%	%	dB		kW	kW	kWh	kWh	kWh	kWh	%	%	%	%	dB
PUD-SWM60VAA(-BS)	EHST17D-****D	✓	A+++	A+	6.0	2672	798	175	136	41	-	6.0	6.0	4012	1489	968	709	133	205	112	154	55
	ERST17D-****D	✓	A+++	A+	6.0	2672	798	175	136	41	-	6.0	6.0	4012	1489	968	709	133	205	112	154	55
	EHST20D-****D	✓	A+++	A+	6.0	2672	736	175	148	41	-	6.0	6.0	4012	1489	900	675	133	205	120	162	55
	ERST20D-****D	✓	A+++	A+	6.0	2672	736	175	148	41	-	6.0	6.0	4012	1489	900	675	133	205	120	162	55
	EHST30D-****D	✓	A+++	A	6.0	2672	1431	175	121	41	-	6.0	6.0	4012	1489	1700	1203	133	205	102	145	55
	ERST30D-****D	✓	A+++	A	6.0	2672	1431	175	121	41	-	6.0	6.0	4012	1489	1700	1203	133	205	102	145	55
	EHSD-****D	✓	A+++	-	6.0	2672	-	175	-	41	-	6.0	6.0	4012	1489	-	-	133	205	-	-	55
	ERSD-****D	✓	A+++	-	6.0	2672	-	175	-	41	-	6.0	6.0	4012	1489	-	-	133	205	-	-	55
PUD-SWM80VAA(-BS)	EHST17D-****D	✓	A+++	A+	8.0	3529	798	178	136	41	-	8.0	8.0	5083	1879	968	709	139	218	112	154	56
	ERST17D-****D	✓	A+++	A+	8.0	3529	798	178	136	41	-	8.0	8.0	5083	1879	968	709	139	218	112	154	56
	EHST20D-****D	✓	A+++	A+	8.0	3529	736	178	148	41	-	8.0	8.0	5083	1879	900	675	139	218	120	162	56
	ERST20D-****D	✓	A+++	A+	8.0	3529	736	178	148	41	-	8.0	8.0	5083	1879	900	675	139	218	120	162	56
	EHST30D-****D	✓	A+++	A	8.0	3529	1431	178	121	41	-	8.0	8.0	5083	1879	1700	1203	139	218	102	145	56
	ERST30D-****D	✓	A+++	A	8.0	3529	1431	178	121	41	-	8.0	8.0	5083	1879	1700	1203	139	218	102	145	56
	EHSD-****D	✓	A+++	-	8.0	3529	-	178	-	41	-	8.0	8.0	5083	1879	-	-	139	218	-	-	56
	ERSD-****D	✓	A+++	-	8.0	3529	-	178	-	41	-	8.0	8.0	5083	1879	-	-	139	218	-	-	56
PUD-SWM80YAA(-BS)	EHST17D-****D	✓	A+++	A+	8.0	3529	798	176	136	41	-	8.0	8.0	5083	1879	968	709	138	215	112	154	56
	ERST17D-****D	✓	A+++	A+	8.0	3529	798	176	136	41	-	8.0	8.0	5083	1879	968	709	138	215	112	154	56
	EHST20D-****D	✓	A+++	A+	8.0	3529	736	176	148	41	-	8.0	8.0	5083	1879	900	675	138	215	120	162	56
	ERST20D-****D	✓	A+++	A+	8.0	3529	736	176	148	41	-	8.0	8.0	5083	1879	900	675	138	215	120	162	56
	EHST30D-****D	✓	A+++	A	8.0	3529	1431	176	121	41	-	8.0	8.0	5083	1879	1700	1203	138	215	102	145	56
	ERST30D-****D	✓	A+++	A	8.0	3529	1431	176	121	41	-	8.0	8.0	5083	1879	1700	1203	138	215	102	145	56
	EHSD-****D	✓	A+++	-	8.0	3529	-	176	-	41	-	8.0	8.0	5083	1879	-	-	138	215	-	-	56
	ERSD-****D	✓	A+++	-	8.0	3529	-	176	-	41	-	8.0	8.0	5083	1879	-	-	138	215	-	-	56
PUD-SWM100VAA(-BS)	EHST20D-****D	✓	A+++	A+	10.0	4441	736	178	148	41	-	10.0	10.0	6181	2334	900	675	146	221	120	162	59
	ERST20D-****D	✓	A+++	A+	10.0	4441	736	178	148	41	-	10.0	10.0	6181	2334	900	675	146	221	120	162	59
	EHST30D-****D	✓	A+++	A	10.0	4441	1431	178	121	41	-	10.0	10.0	6181	2334	1700	1203	146	221	102	145	59
	ERST30D-****D	✓	A+++	A	10.0	4441	1431	178	121	41	-	10.0	10.0	6181	2334	1700	1203	146	221	102	145	59
	EHSD-****D	✓	A+++	-	10.0	4441	-	178	-	41	-	10.0	10.0	6181	2334	-	-	146	221	-	-	59
	ERSD-****D	✓	A+++	-	10.0	4441	-	178	-	41	-	10.0	10.0	6181	2334	-	-	146	221	-	-	59
PUD-SWM100YAA(-BS)	EHST20D-****D	✓	A+++	A+	10.0	4441	736	177	148	41	-	10.0	10.0	6181	2334	900	675	145	218	120	162	59
	ERST20D-****D	✓	A+++	A+	10.0	4441	736	177	148	41	-	10.0	10.0	6181	2334	900	675	145	218	120	162	59
	EHST30D-****D	✓	A+++	A	10.0	4441	1431	177	121	41	-	10.0	10.0	6181	2334	1700	1203	145	218	102	145	59
	ERST30D-****D	✓	A+++	A	10.0	4441	1431	177	121	41	-	10.0	10.0	6181	2334	1700	1203	145	218	102	145	59
	EHSD-****D	✓	A+++	-	10.0	4441	-	177	-	41	-	10.0	10.0	6181	2334	-	-	145	218	-	-	59
	ERSD-****D	✓	A+++	-	10.0	4441	-	177	-	41	-	10.0	10.0	6181	2334	-	-	145	218	-	-	59
PUD-SWM120VAA(-BS)	EHST20D-****D	✓	A+++	A+	12.0	5371	736	177	148	41	-	12.0	12.0	7717	2864	900	675	140	217	120	162	60
	ERST20D-****D	✓	A+++	A+	12.0	5371	736	177	148	41	-	12.0	12.0	7717	2864	900	675	140	217	120	162	60
	EHST30D-****D	✓	A+++	A	12.0	5371	1431	177	121	41	-	12.0	12.0	7717	2864	1700	1203	140	217	102	145	60
	ERST30D-****D	✓	A+++	A	12.0	5371	1431	177	121	41	-	12.0	12.0	7717	2864	1700	1203	140	217	102	145	60
	EHSD-****D	✓	A+++	-	12.0	5371	-	177	-	41	-	12.0	12.0	7717	2864	-	-	140	217	-	-	60
	ERSD-****D	✓	A+++	-	12.0	5371	-	177	-	41	-	12.0	12.0	7717	2864	-	-	140	217	-	-	60
PUD-SWM120YAA(-BS)	EHST20D-****D	✓	A+++	A+	12.0	5371	736	176	148	41	-	12.0	12.0	7717	2864	900	675	139	215	120	162	60
	ERST20D-****D	✓	A+++	A+	12.0	5371	736	176	148	41	-	12.0	12.0	7717	2864	900	675	139	215	120	162	60
	EHST30D-****D	✓	A+++	A	12.0	5371	1431	176	121	41	-	12.0	12.0	7717	2864	1700	1203	139	215	102	145	60
	ERST30D-****D	✓	A+++	A	12.0	5371	1431	176	121	41	-	12.0	12.0	7717	2864	1700	1203	139	215	102	145	60
	EHSD-****D	✓	A+++	-	12.0	5371	-	176	-	41	-	12.0	12.0	7717	2864	-	-	139	215	-	-	60
	ERSD-****D	✓	A+++	-	12.0	5371	-	176	-	41	-	12.0	12.0	7717	2864	-	-	139	215	-	-	60
PUD-SHWM60VAA(-BS)	EHST17D-****D	✓	A+++	A+	6.0	2649	798	178	136	41	-	6.0	6.0	3903	1385	968	709	138	220	112	154	55
	ERST17D-****D	✓	A+++	A+	6.0	2649	798	178	136	41	-	6.0	6.0	3903	1385	968	709	138	220	112	154	55
	EHST20D-****D	✓	A+++	A+	6.0	2649	736	178	148	41	-	6.0	6.0	3903	1385	900	675	138	220	120	162	55
	ERST20D-****D	✓	A+++	A+	6.0	2649	736	178	148	41	-	6.0	6.0	3903	1385	900	675	138	220	120	162	55
	EHST30D-****D	✓	A+++	A	6.0	2649	1431	178	121	41	-	6.0	6.0	3903	1385	1700	1203	138	220	102	145	55
	ERST30D-****D	✓	A+++	A	6.0	2649	1431	178	121	41	-	6.0	6.0	3903	1385	1700	1203	138	220	102	145	55
	EHSD-****D	✓	A+++	-	6.0	2649	-	178	-	41	-	6.0	6.0	3903	1385	-	-	138	220	-	-	55
	ERSD-****D	✓	A+++	-	6.0	2649	-	178	-	41	-	6.0	6.0	3903	1385	-	-	138	220	-	-	55
PUD-SHWM80VAA(-BS)	EHST17D-****D	✓	A+++	A+	8.0	3500	798	181	136	41	-	8.0	8.0	4934	1820	968	709	145	225	112	154	56
	ERST17D-****D	✓	A+++	A+	8.0	3500	798	181	136	41	-	8.0	8.0	4934	1820	968	709	145	225	112	154	56
	EHST20D-****D	✓	A+++	A+	8.0	3500	736	181	148	41	-	8.0	8.0	4934	1820	900	675	145	225	120	162	56
	ERST20D-****D	✓	A+++	A+	8.0	3500	736	181	148	41	-	8.0	8.0	4934	1820	900	675	145	225	120	162	56
	EHST30D-****D	✓	A+++	A	8.0	3500	1431	181	121	41	-	8.0	8.0	4934	1820	1700	1203	145	225	102	145	56
	ERST30D-****D	✓	A+++	A	8.0	3500	1431	181	121	41	-	8.0	8.0	4934	1820	1700	1203	145	225	102	145	56
	EHSD-****D	✓	A+++	-	8.0	3500	-	181	-	41	-	8.0	8.0	4934	1820	-	-	145	225	-	-	56
	ERSD-****D	✓	A+++	-	8.0	3500	-	181	-	41	-	8.0	8.0	4934	1820	-	-	145	225	-	-	56
PUD-SHWM80YAA(-BS)	EHST17D-****D	✓	A+++	A+	8.0	3500	798	179	136	41	-	8.0	8.0	4934	1820	968	709	143	222	112	154	56
	ERST17D-****D	✓	A+++	A+	8.0	3500	798	179	136	41	-	8.0	8.0	4934	1820	968	709	143	222	112	154	56
	EHST20D-****D	✓	A+++	A+	8.0	3500	736	179	148	41	-	8.0	8.0	4934	1820	900	675	143	222	120	162	56
	ERST20D-****D	✓	A+++	A+	8.0	3500	736	179	148	41	-	8.0	8.0	4934	1820	900	675	143	222	120	162	56
	EHST30D-****D	✓	A+++	A	8.0	3500	1431	179	121	41	-	8.0	8.0	4934	1820	1700	1203	143	222	102	145	56
	ERST30D-****D	✓	A+++	A	8.0	3500	1431	179	121	41	-	8.0	8.0	4934	1820	1700	1203	143	222	102	145	56
	EHSD-****D	✓	A+++	-	8.0	3500	-	179	-	41	-	8.0	8.0	4934	1820	-	-	143	222	-	-	56
	ERSD-****D	✓	A+++	-	8.0	3500	-	179	-	41	-	8.0	8.0	4934	1820	-	-	143	222	-	-	56
PUD-SHWM100VAA(-BS)	EHST20D-****D	✓	A+++	A+	10.0	4430	736	180	148	41	-	10.0	10.0	6106	2191	900	675	149	235	120	162	59
	ERST20D-****D	✓	A+++	A+	10.0	4430	736	180	148	41	-	10.0	10.0	6106	2191	900	675	149	235	120	162	59
	EHST30D-****D	✓	A+++	A	10.0	4430	1431	180	121	41	-	10.0	10.0	6106	2191	1700	1203	149	235	102	145	59
	ERST30D-****D	✓	A+++	A	10.0	4430	1431	180	121	41	-	10.0	10.0	6106	2191	1700	1203	149	235	102	145	59
	EHSD-****D	✓	A+++	-	10.0	4430	-	180	-	41	-	10.0	10.0	6106	2191	-	-	149	235	-	-	59
	ERSD-****D	✓	A+++	-	10.0	4430	-	180	-	41	-	10.0	10.0	6106	2191	-	-	149	235	-	-	59
PUD-SHWM100YAA(-BS)	EHST20D-****D	✓	A+++	A+	10.0	4430	736	178	148	41	-	10.0	10.0	6106	2191	900	675	148	232	120	162	59
	ERST20D-****D	✓	A+++	A+	10.0	4430	736	178	148	41	-	10.0	10.0	6106	2191	900	675	148	232	120	162	59
	EHST30D-****D	✓	A+++	A	10.0	4430	1431	178	121	41	-	10.0	10.0	6106	2191	1700	1203	148	232	102	145	59
	ERST30D-****D	✓	A+++	A	10.0	4430	1431	178	121	41	-	10.0	10.0	6106	2191	1700	1203	148	232	102	145	59
	EHSD-****D	✓	A+++	-	10.0	4430	-	178	-	41	-	10.0	10.0	6106	2191	-	-	148	232	-	-	59
	ERSD-****D	✓	A+++	-	10.0	4430	-	178	-	41	-	10.0	10.0	6106	2191	-	-	148	232	-	-	59
PUD-SHWM120VAA(-BS)	EHST20D-****D	✓	A+++	A+	12.0	5354	736	179	148	41	-	12.0	12.0	7333	2688	900	675	149	231	120	162	60
	ERST20D-****D	✓	A+++	A+	12.0	5354	736	179	148	41	-	12.0	12.0	7333	2688	900	675	149	231	120	162	60
	EHST30D-****D	✓	A+++	A	12.0	5354	1431	179	121	41	-	12.0	12.0	7333	2688	1700	1203	149	231	102	145	60
	ERST30D-****D	✓	A+++	A	12.0	5354	1431	179	121	41	-	12.0	12.0	7333	2688	1700	1203	149	231	102	145	60
	EHSD-****D	✓	A+++	-	12.0	5354	-	179	-	41	-	12.0	12.0	7333	2688	-	-	149	231	-	-	60
	ERSD-****D	✓	A+++	-	12.0	5354	-	179	-	41	-	12.0	12.0	7333	2688	-	-	149	231	-	-	60
PUD-SHWM120YAA(-BS)	EHST20D-****D	✓	A+++	A+	12.0	5354	736	177	148	41	-	12.0	12.0	7333	2688	900	675	148	229	120	162	60
	ERST20D-****D	✓	A+++	A+	12.0	5354	736	177	148	41	-	12.0	12.0	7333	2688	900	675	148	229	120	162	60
	EHST30D-****D	✓	A+++	A	12.0	5354	1431	177	121	41	-	12.0	12.0	7333	2688	1700	1203	148	229	102	145	60
	ERST30D-****D	✓	A+++	A	12.0	5354	1431	177	121	41	-	12.0	12.0	7333	2688	1700	1203	148	229	102	145	60
	EHSD-****D	✓	A+++	-	12.0	5354	-	177	-	41	-	12.0	12.0	7333	2688	-	-	148	229	-	-	60
	ERSD-****D	✓	A+++	-	12.0	5354	-	177	-	41	-	12.0	12.0	7333	2688	-	-	148	229	-	-	60
PUD-SHWM140VAA(-BS)	EHST20D-****D	✓	A+++	A+	14.0	6265	736	179	148	41	-	14.0	14.0	8726	3236	900	675	145	224	120	162	62
	ERST20D-****D	✓	A+++	A+	14.0	6265	736	179	148	41	-	14.0	14.0	8726	3236	900	675	145	224	120	162	62
	EHST30D-****D	✓	A+++	A	14.0	6265	1443	179	121	41	-	14.0	14.0	8726	3236	1706	1255	145	224	102	139	62
	ERST30D-****D	✓	A+++	A	14.0	6265	1443	179	121	41	-	14.0	14.0	8726	3236	1706	1255	145	224	102	139	62
	EHSD-****D	✓	A+++	-	14.0	6265	-	179	-	41	-	14.0	14.0	8726	3236	-	-	145	224	-	-	62
	ERSD-****D	✓	A+++	-	14.0	6265	-	179	-	41	-	14.0	14.0	8726	3236	-	-	145	224	-	-	62
PUD-SHWM140YAA(-BS)	EHST20D-****D	✓	A+++	A+	14.0	6265	736	177	148	41	-	14.0	14.0	8726	3236	900	675	144	223	120	162	62
	ERST20D-****D	✓	A+++	A+	14.0	6265	736	177	148	41	-	14.0	14.0	8726	3236	900	675	144	223	120	162	62
	EHST30D-****D	✓	A+++	A	14.0	6265	1443	177	121	41	-	14.0	14.0	8726	3236	1706	1255	144	223	102	139	62
	ERST30D-****D	✓	A+++	A	14.0	6265	1443	177	121	41	-	14.0	14.0	8726	3236	1706	1255	144	223	102	139	62
	EHSD-****D	✓	A+++	-	14.0	6265	-	177	-	41	-	14.0	14.0	8726	3236	-	-	144	223	-	-	62
	ERSD-****D	✓	A+++	-	14.0	6265	-	177	-	41	-	14.0	14.0	8726	3236	-	-	144	223	-	-	62

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	English	Deutsch	Français	Italiano	Español
	Nederlands	Svenska	Dansk	Português	Ελληνικά
	suomi	Čeština	Български	Polski	-
1	Outdoor unit	Außengerät	unité extérieure	unità esterna	unidad exterior
	buitenunit	Utomhusenhet	Udendørs enhed	unidade exterior	Εξωτερική μονάδα
	Ulkoyksikkö	Venkovní jednotka	Външно тяло	jednostka zewnętrzna	-
2	Indoor unit	Innengerät	unité intérieure	unità interna	unidad interior
	binnenunit	Inomhusenhet	Indendørs enhed	unidade interior	Εσωτερική μονάδα
	Sisäyksikkö	Vnitřní jednotka	Вътрешно тяло	jednostka wewnętrzna	-
3	Medium-temperature application	Mitteltemperaturanwendung	l'application à moyenne température	le applicazioni a media temperatura	la aplicación de media temperatura
	middentemperatuur-toepassing	mediumtemperaturapplikation	middeltemperaturanvendelsen	a aplicação a média temperatura	η εφαρμογή σε μέση θερμοκρασία
	keskilämpötilan sovellus	střednëteplotní aplikace	среднотемпературното приложение	zastosowania w średnich temperaturach	-
4	Low-temperature application	Niedertemperaturanwendung	l'application à basse température	le applicazioni a bassa temperatura	la aplicación de baja temperatura
	lagetemperatuur-toepassing	lågtemperaturapplikation	lavtemperaturanvendelsen	a aplicação a baixa temperatura	η εφαρμογή σε χαμηλή θερμοκρασία
	matalanlämpötilan sovellus	nízkoteplotní aplikace	нискотемпературни приложения	zastosowania w niskich temperaturach	-
5	Seasonal space heating energy efficiency class	die Klasse für die jahreszeitbedingte Raumheizungs-Energieeffizienz	la classe d'efficacité énergétique saisonnière, pour le chauffage des locaux	la classe di efficienza energetica stagionale del riscaldamento d'ambiente	la clase de eficiencia energética estacional de calefacción
	de seizoensgebonden energie-efficiëntieklasse voor ruimteverwarming	säsongsrelaterade energieffektivitetsklass vid rumsuppvärmning	klassen for årsvirkningsgrad ved rumopvarmning	A classe de eficiência energética do aquecimento ambiente sazonal	η τάξη ενεργειακής απόδοσης της εποχιακής θέρμανσης χώρου
	tilalämmityksen kausittainen energiatehokkuusluokka	třída sezonní energetické účinnosti vytápění	класът на сезонната отоплителна енергийна ефективност	klasa sezonowej efektywności energetycznej ogrzewania pomieszczeń	-
6	Water heating energy efficiency class	die Klasse für die Warmwasserbereitungs-Energieeffizienz	la classe d'efficacité énergétique, pour le chauffage de l'eau	la classe di efficienza energetica del riscaldamento dell'acqua	la clase de eficiencia energética del caldeo de agua
	de energie-efficiëntieklasse voor waterverwarming	energieffektivitetsklass vid vattenuppvärmning	klassen for årsvirkningsgrad ved vandopvarmning	A classe de eficiência energética do aquecimento de água	η τάξη ενεργειακής απόδοσης θέρμανσης νερού
	vedenlämmityksen energiatehokkuusluokka	třída energetické účinnosti ohřevu vody	класът на енергийната ефективност при подгряване на вода	klasa efektywności energetycznej podgrzewania wody	-
7	Rated heat output under average climate conditions	die Wärmenennleistung bei durchschnittlichen Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques moyennes	la potenza termica nominale(in condizioni climatiche medie)	la potencia calorífica nominal(en condiciones climáticas medias)
	de nominale warmteafgifte(onder gemiddelde klimaatomstandigheden)	Den nominella avgivna värmeeffekten(under genomsnittliga klimatförhållanden)	den nominelle nytteeffekt(under gennemsnitlige klimaforhold)	A potência calorífica nominal(em condições climáticas médias)	η ονομαστική θερμική ισχύς(υπό μέσες κλιματικές συνθήκες)
	nimellislämpöteho(keskimääräisissä ilmasto-olosuhteissa)	jmenovitý tepelný výkon(za průměrných klimatických podmínek)	номиналната топлинна мощност(при средни климатични условия)	znamionowa moc cieplna(w warunkach klimatu umiarkowanego)	-
8	For space heating, annual energy consumption under average climate conditions	für die Raumheizung, den jährlichen Energieverbrauch bei durchschnittlichen Klimaverhältnissen	pour le chauffage des locaux, la consommation annuelle d'énergie(dans les conditions climatiques moyennes)	per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche medie)	para calentar espacios, el consumo anual de energía(en condiciones climáticas medias)
	voor ruimteverwarming, het jaarlijkse energieverbruik(onder gemiddelde klimaatomstandigheden)	För rumsuppvärmning, årlig energiförbrukning(vid genomsnittliga klimatförhållanden)	for rumopvarmning det årlige energiforbrug(under gennemsnitlige klimaforhold)	Para o aquecimento ambiente, o consumo anual de energia(em condições climáticas médias)	για τη θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας(υπό μέσες κλιματικές συνθήκες)
	tilalämmityksestä vuotuinen energiankulutus(keskimääräisissä ilmasto-olosuhteissa)	pro vytápění – roční spotřeba energie za průměrných klimatických podmínek	за отопление, годишното потребление на енергия(при средни климатични условия)	w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii(w warunkach klimatu umiarkowanego)	-
9	For water heating, annual electricity consumption under average climate conditions	für die Warmwasserbereitung, den jährlichen Stromverbrauch bei durchschnittlichen Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'électricité(dans les conditions climatiques moyennes)	per il riscaldamento dell'acqua, il consumo annuo di energia(in condizioni climatiche medie)	para calentar agua, el consumo anual de electricidad(en condiciones climáticas medias)
	voor waterverwarming, het jaarlijkse elektriciteitsverbruik(onder gemiddelde klimaatomstandigheden)	För vattenuppvärmning, årlig elförbrukning(vid genomsnittliga klimatförhållanden)	for vandopvarmning det årlige elforbrug(under gennemsnitlige klimaforhold)	para o aquecimento de água, o consumo anual de eletricidade(em condições climáticas médias)	για την θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας(υπό μέσες κλιματικές συνθήκες)
	vedenlämmityksestä vuotuinen sähkönkulutus(keskimääräisissä ilmasto-olosuhteissa)	pro ohřev vody – roční spotřeba elektrické energie za průměrných klimatických podmínek	за подгряване на вода, годишното потребление(при средни климатични условия)	w odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej(w warunkach klimatu umiarkowanego)	-
10	Seasonal space heating energy efficiency under average climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	l'efficacité énergétique saisonnière pour le chauffage des locaux(dans les conditions climatiques moyennes)	l'efficienza energetica stagionale di riscaldamento d'ambiente(in condizioni climatiche medie)	la eficiencia energética estacional de calefacción(en condiciones climáticas medias)
	de seizoensgebonden energie-efficiëntie voor ruimteverwarming(onder gemiddelde klimaatomstandigheden)	Säsongsmedelverkningsgrad för rumsuppvärmning(vid genomsnittliga klimatförhållanden)	årsvirkningsgraden ved rumopvarmning(under gennemsnitlige klimaforhold)	A eficiência energética do aquecimento ambiente sazonal(em condições climáticas médias)	η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου(υπό μέσες κλιματικές συνθήκες)
	tilalämmityksen kausittainen energiatehokkuus(keskimääräisissä ilmasto-olosuhteissa)	sezonní energetická účinnost vytápění za průměrných klimatických podmínek	сезонната енергийна ефективност при отопление(при средни климатични условия)	sezonowa efektywność energetyczna ogrzewania pomieszczeń(w warunkach klimatu umiarkowanego)	-
11	Water heating energy efficiency under average climate conditions	die Warmwasserbereitungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	l'efficacité énergétique pour le chauffage de l'eau(dans les conditions climatiques moyennes)	l'efficienza energetica di riscaldamento dell'acqua(in condizioni climatiche medie)	la eficiencia energética del caldeo de agua(en condiciones climáticas medias)
	de energie-efficiëntie voor waterverwarming(onder gemiddelde klimaatomstandigheden)	Energieffektivitet vid vattenuppvärmning(vid genomsnittliga klimatförhållanden)	energieffektiviteten ved vandopvarmning(under gennemsnitlige klimaforhold)	a eficiência energética do aquecimento de água(em condições climáticas médias)	η ενεργειακή απόδοση θέρμανσης νερού(υπό μέσες κλιματικές συνθήκες)
	vedenlämmityksen energiatehokkuus(keskimääräisissä ilmasto-olosuhteissa)	energetická účinnost ohřevu vody za průměrných klimatických podmínek	енергийната ефективност при подгряване на вода(при средни климатични условия)	efektywność energetyczna podgrzewania wody(w warunkach klimatu umiarkowanego)	-
12	Sound power level L_{WA} indoor	der Schallleistungspegel L_{WA}, in Gebäuden	le niveau de puissance acoustique L_{WA} , à l'intérieur	il livello di potenza sonora L_{WA} all'interno	el nivel de potencia acústica L_{WA} en interiores
	het geluidsvermogensniveau L_{WA} binnen	Ljudeffektnivå L_{WA} i inomhus	lydeffektniveauet L_{WA} i inde	O nível de potência sonora L_{WA} no interior	η στάθμη ηχητικής ισχύος L_{WA} εσωτερικού χώρου
	äänitehotaso L_{WA} sisällä	hladina akustického výkonu L_{WA} ve vnitřním prostoru	нивото на звуковата мощност L_{WA} на закрито	poziom mocy akustycznej L_{WA} w pomieszczeniu	-
13	Work only during off-peak hours	dass ein ausschließlicher Betrieb des Kombiheizgerätes zu Schwachlastzeiten	fonctionner qu'en heures creuses	funzione soltanto durante le ore morte	funcionar solamente durante las horas de baja demanda
	werken uitsluitend in de daluren	drivas uteslutande under perioder med låg belastning	fungere uden for spidsbelastningsperioder	de funcionar unicamente fora das horas de pico	λειτουργία μόνο εκτός των ωρών αιχμής
	toimimaan ainoastaan kulutushuippujen ulkopuolella	provozu pouze mimo špičku	работи само в часовете извън върховото натоварване	pracować jedynie w godzinach poza szczytowym obciążeniem	-
14	Rated heat output under colder climate conditions	die Wärmenennleistung bei kälteren Klimaverhältnissen	la puissance thermique nominale, dans les conditions climatiques plus froides	la potenza termica nominale, in condizioni climatiche più fredde	la potencia calorífica nominal en condiciones climáticas más frías
	de nominale warmteafgifte, onder koudere klimaatomstandigheden	Nominell avgiven värmeeffekt vid kallare klimatförhållanden	den nominelle nytteeffekt under koldere klimaforhold	A potência calorífica nominal em condições climáticas mais frias	η ονομαστική θερμική ισχύς υπό ψυχρότερες κλιματικές συνθήκες
	nimellislämpöteho, kylmissä ilmasto-olosuhteissa	jmenovitý tepelný výkon za chladnějších klimatických podmínek	номиналната топлинна мощност при по-студени климатични условия	znamionowa moc cieplna w warunkach klimatu chłodnego	-
15	Rated heat output under warmer climate conditions	die Wärmenennleistung bei wärmeren Klimaverhältnissen	la puissance thermique nominale, dans les conditions climatiques plus chaudes	la potenza termica nominale, in condizioni climatiche più calde	la potencia calorífica nominal en condiciones climáticas más cálidas
	de nominale warmteafgifte, onder warmere klimaatomstandigheden	Nominell avgiven värmeeffekt vid varmare klimatförhållanden	den nominelle nytteeffekt under varmere klimaforhold	A potência calorífica nominal em condições climáticas mais quentes	η ονομαστική θερμική ισχύς υπό θερμότερες κλιματικές συνθήκες
	nimellislämpöteho, lämpimissä ilmasto-olosuhteissa	jmenovitý tepelný výkon za teplejších klimatických podmínek	номиналната топлинна мощност при по-топли климатични условия	znamionowa moc cieplna w warunkach klimatu ciepłego	-
16	For space heating, annual energy consumption under colder climate conditions	für die Raumheizung, der jährliche Energieverbrauch bei kälteren Klimaverhältnissen	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus froides	per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più fredde	para calentar espacios, el consumo anual de energía en condiciones climáticas más frías
	voor ruimteverwarming, het jaarlijkse energieverbruik onder koudere klimaatomstandigheden	För rumsuppvärmning, årlig energiförbrukning under kallare klimatförhållanden	for rumopvarmning det årlige energiforbrug under koldere klimaforhold	Para o aquecimento ambiente, o consumo anual de energia em condições climáticas mais frias	για θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας υπό ψυχρότερες κλιματικές συνθήκες
	tilalämmityksestä vuotuinen energiankulutus kylmissä ilmasto-olosuhteissa	pro vytápění – roční spotřeba energie za teplejších klimatických podmínek	за отопление, годишното потребление на енергия при по-студени климатични условия	w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii w warunkach klimatu chłodnego	-
17	For space heating, annual energy consumption under warmer climate conditions	für die Raumheizung, der jährliche Energieverbrauch bei wärmeren Klimaverhältnissen	pour le chauffage des locaux, la consommation annuelle d'énergie, dans les conditions climatiques plus chaudes	per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più calde	para calentar espacios, el consumo anual de energía en condiciones climáticas más cálidas
	voor ruimteverwarming, het jaarlijkse energieverbruik onder warmere klimaatomstandigheden	För rumsuppvärmning, årlig energiförbrukning under varmare klimatförhållanden	for rumopvarmning det årlige energiforbrug under varmere klimaforhold	Para o aquecimento ambiente, o consumo anual de energia em condições climáticas mais quentes	για θέρμανση χώρου, η ετήσια κατανάλωση ενέργειας υπό θερμότερες κλιματικές συνθήκες
	tilalämmityksestä vuotuinen energiankulutus lämpimissä ilmasto-olosuhteissa	pro vytápění – roční spotřeba energie za teplejších klimatických podmínek	за отопление, годишното потребление на енергия при по-топли климатични условия	w odniesieniu do ogrzewania pomieszczeń, roczne zużycie energii w warunkach klimatu ciepłego	-
18	For water heating, annual energy consumption under colder climate conditions	für die Warmwasserbereitung, der jährliche Stromverbrauch bei kälteren Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions climatiques plus froides	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più calde	para calentar agua, el consumo anual de electricidad en condiciones climáticas más frías
	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder koudere klimaatomstandigheden	För vattenuppvärmning, årlig elförbrukning under kallare klimatförhållanden	for vandopvarmning det årlige elforbrug under koldere klimaforhold	para o aquecimento de água, o consumo anual de eletricidade em condições climáticas mais frias	για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό ψυχρότερες κλιματικές συνθήκες
	vedenlämmityksestä vuotuinen sähkönkulutus kylmissä ilmasto-olosuhteissa	pro ohřev vody – roční spotřeba elektrické energie za chladnějších klimatických podmínek	за подгряване на вода, годишното потребление на електроенергия при по-студени климатични условия	w odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej w warunkach klimatu chłodnego	-
19	For water heating, annual energy consumption under warmer climate conditions	für die Warmwasserbereitung, der jährliche Stromverbrauch bei wärmeren Klimaverhältnissen	pour le chauffage de l'eau, la consommation annuelle d'électricité, dans les conditions climatiques plus chaudes	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più calde	para calentar agua, el consumo anual de electricidad en condiciones climáticas más cálidas
	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder warmere klimaatomstandigheden	För vattenuppvärmning, årlig elförbrukning under varmare klimatförhållanden	for vandopvarmning det årlige elforbrug under varmere klimaforhold	para o aquecimento de água, o consumo anual de eletricidade em condições climáticas mais quentes	για θέρμανση νερού, η ετήσια κατανάλωση ηλεκτρικής ενέργειας υπό θερμότερες κλιματικές συνθήκες
	vedenlämmityksestä vuotuinen sähkönkulutus lämpimissä ilmasto-olosuhteissa	pro ohřev vody – roční spotřeba elektrické energie za teplejších klimatických podmínek	за подгряване на вода, годишното потребление на електроенергия при по-топли климатични условия	w odniesieniu do podgrzewania wody, roczne zużycie energii elektrycznej w warunkach klimatu ciepłego	-
20	Seasonal space heating energy efficiency under colder climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnissen	l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus froides	l'efficienza energetica stagionale di riscaldamento d'ambiente in condizioni climatiche più fredde	la eficiencia energética estacional de calefacción en condiciones climáticas más frías
	de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder koudere klimaatomstandigheden	Säsongsmedelverkningsgrad för rumsuppvärmning under kallare klimatförhållanden	årsvirkningsgraden ved rumopvarmning under koldere klimaforhold	A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais frias	η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό ψυχρότερες κλιματικές συνθήκες
	tilalämmityksen kausittainen energiatehokkuus kylmissä ilmasto-olosuhteissa	sezonní energetická účinnost vytápění za chladnějších klimatických podmínek	сезонната енергийна ефективност при отопление при по-студени климатични условия	sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu chłodnego	-
21	Seasonal space heating energy efficiency under warmer climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	l'efficacité énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus chaudes	l'efficienza energetica stagionale di riscaldamento d'ambiente in condizioni climatiche più calde	la eficiencia energética estacional de calefacción en condiciones climáticas más cálidas
	de seizoensgebonden energie-efficiëntie voor ruimteverwarming onder warmere klimaatomstandigheden	Säsongsmedelverkningsgrad för rumsuppvärmning under varmare klimatförhållanden	årsvirkningsgraden ved rumopvarmning under varmere klimaforhold	A eficiência energética do aquecimento ambiente sazonal em condições climáticas mais quentes	η ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου υπό θερμότερες κλιματικές συνθήκες
	tilalämmityksen kausittainen energiatehokkuus lämpimissä ilmasto-olosuhteissa	sezonní energetická účinnost vytápění za teplejších klimatických podmínek	сезонната енергийна ефективност при отопление при по-топли климатични условия	sezonowa efektywność energetyczna ogrzewania pomieszczeń w warunkach klimatu ciepłego	-
22	Water heating energy efficiency under colder climate conditions	die Warmwasserbereitungs-Energieeffizienz bei kälteren Klimaverhältnissen	l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus froides	l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più fredde	la eficiencia energética de caldeo de agua en condiciones climáticas más frías
	de energie-efficiëntie voor waterverwarming onder koudere klimaatomstandigheden	Energieffektivitet vid vattenuppvärmning under kallare klimatförhållanden	energieffektiviteten ved vandopvarmning under koldere klimaforhold	a eficiência energética do aquecimento de água em condições climáticas mais frias	η ενεργειακή απόδοση της θέρμανσης νερού υπό ψυχρότερες κλιματικές συνθήκες
	vedenlämmityksen energiatehokkuus kylmissä ilmasto-olosuhteissa	energetická účinnost ohřevu vody za chladnějších klimatických podmínek	енергийната ефективност при подгряване на вода при по-топли климатични условия	efektywność energetyczna podgrzewania wody w warunkach klimatu chłodnego	-
23	Water heating energy efficiency under warmer climate conditions	die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen	l'efficacité énergétique pour le chauffage de l'eau, dans les conditions climatiques plus chaudes	l'efficienza energetica di riscaldamento dell'acqua in condizioni climatiche più calde	la eficiencia energética de caldeo de agua en condiciones climáticas más cálidas
	de energie-efficiëntie voor waterverwarming onder warmere klimaatomstandigheden	Energieffektivitet vid vattenuppvärmning under varmare klimatförhållanden	energieffektiviteten ved vandopvarmning under varmere klimaforhold	a eficiência energética do aquecimento de água em condições climáticas mais quentes	η ενεργειακή απόδοση της θέρμανσης νερού υπό θερμότερες κλιματικές συνθήκες
	vedenlämmityksen energiatehokkuus kylmissä ilmasto-olosuhteissa	energetická účinnost ohřevu vody za teplejších klimatických podmínek	енергийната ефективност при подгряване на вода при по-топли климатични условия	efektywność energetyczna podgrzewania wody w warunkach klimatu ciepłego	-
24	Sound power level L_{WA} outdoor	der Schallleistungspegel L_{WA} im Freien	le niveau de puissance acoustique L_{WA} à l'extérieur	il livello di potenza sonora L_{WA} all'esterno	el nivel de potencia acústica L_{WA} en exteriores
	het geluidsvermogensniveau L_{WA} buiten	Ljudeffektnivån L_{WA} i utomhus	lydeffektniveau L_{WA} i ude	O nível de potência sonora L_{WA} no exterior	η στάθμη ηχητικής ισχύος L_{WA} εξωτερικού χώρου
	äänitehotaso L_{WA} ulkona	hladina akustického výkonu L_{WA} ve venkovním prostoru	нивото на звуковата мощност L_{WA} на открито	poziom mocy akustycznej L_{WA} na zewnątrz	-

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	EHST17D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		medium-temperature application.
Parameters shall be declared for		average climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	7.1	kW
Degradation co-efficient (**)	Cdh	0.99	-
Tj = + 2 °C	Pdh	4.3	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = + 7 °C	Pdh	5.3	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = +12 °C	Pdh	3.1	kW
Degradation co-efficient (**)	Cdh	0.95	-
Tj = bivalent temperature	Pdh	8.0	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-10	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	134	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	2.14	-
Tj = + 2 °C	COPd	3.26	-
Tj = + 7 °C	COPd	4.91	-
Tj = +12 °C	COPd	7.05	-
Tj = bivalent temperature	COPd	1.97	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	0.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	4695	kWh

Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	3.600	kW/h
Annual electricity consumption	AEC	798	kW/h

Water heating energy efficiency	ηwh	136	%

Contact details

MITSUBISHI ELECTRIC AIR CODITIONING SYSTEM EUROPE LTD Nettlehill Road, Houston Industrial Estate, Livingston, EH54 5EQ, Scotland, U.K.

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	EHST17D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		low-temperature application.
Parameters shall be declared for		average climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW

Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature T j

Tj = - 7 °C	Pdh	7.1	kW
Degradation co-efficient (**)	Cdh	0.99	-
Tj = + 2 °C	Pdh	4.7	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = + 7 °C	Pdh	5.1	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = +12 °C	Pdh	3.2	kW
Degradation co-efficient (**)	Cdh	0.94	-
Tj = bivalent temperature	Pdh	8.0	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-10	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	179	%

Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = - 7 °C	COPd	3.11	-
Tj = + 2 °C	COPd	4.52	-
Tj = + 7 °C	COPd	6.00	-
Tj = +12 °C	COPd	8.21	-
Tj = bivalent temperature	COPd	3.09	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode

Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater

Rated heat output (*)	Psup	0.0	kW
Type of energy input		Electrical	

Other items

Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	3500	kWh

Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:

Declared load profile	L		
Daily electricity consumption	Qelec	3.600	kW/h
Annual electricity consumption	AEC	798	kW/h

Water heating energy efficiency	ηwh	136	%

Contact details

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	EHST17D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		medium-temperature application.
Parameters shall be declared for		colder climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	4.9	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = + 2 °C	Pdh	3.5	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = + 7 °C	Pdh	4.3	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = +12 °C	Pdh	3.1	kW
Degradation co-efficient (**)	Cdh	0.95	-
Tj = bivalent temperature	Pdh	6.7	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	6.8	kW
Bivalent temperature	Tbiv	-16	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	113	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	2.59	-
Tj = + 2 °C	COPd	3.18	-
Tj = + 7 °C	COPd	4.78	-
Tj = +12 °C	COPd	6.74	-
Tj = bivalent temperature	COPd	1.51	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	1.52	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	2.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	6335	kWh

Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	3.200	kW/h
Annual electricity consumption	AEC	709	kW/h

Water heating energy efficiency	ηwh	154	%

Contact details

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	EHST17D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		low-temperature application.
Parameters shall be declared for		colder climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	4.8	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = + 2 °C	Pdh	3.8	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = + 7 °C	Pdh	4.5	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = +12 °C	Pdh	3.1	kW
Degradation co-efficient (**)	Cdh	0.94	-
Tj = bivalent temperature	Pdh	6.7	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	6.8	kW
Bivalent temperature	Tbiv	-16	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	143	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	3.53	-
Tj = + 2 °C	COPd	4.04	-
Tj = + 7 °C	COPd	5.56	-
Tj = +12 °C	COPd	7.56	-
Tj = bivalent temperature	COPd	2.23	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	2.30	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	2.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	4934	kWh

Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	3.200	kW/h
Annual electricity consumption	AEC	709	kW/h

Water heating energy efficiency	ηwh	154	%

Contact details

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	EHST17D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		medium-temperature application.
Parameters shall be declared for		warmer climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	-	kW
Degradation co-efficient (**)	Cdh	-	-
Tj = + 2 °C	Pdh	8	kW
Degradation co-efficient (**)	Cdh	0.99	-
Tj = + 7 °C	Pdh	5.2	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = +12 °C	Pdh	4.5	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = bivalent temperature	Pdh	1.0	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-7	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	164	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	-	-
Tj = + 2 °C	COPd	1.88	-
Tj = + 7 °C	COPd	3.51	-
Tj = +12 °C	COPd	6.08	-
Tj = bivalent temperature	COPd	0.95	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	34.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	2479	kWh
Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	4.400	kW/h
Annual electricity consumption	AEC	968	kW/h
Water heating energy efficiency	ηwh	112	%

Contact details

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	EHST17D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		low-temperature application.
Parameters shall be declared for		warmer climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	-	kW
Degradation co-efficient (**)	Cdh	-	-
Tj = + 2 °C	Pdh	8	kW
Degradation co-efficient (**)	Cdh	0.99	-
Tj = + 7 °C	Pdh	5.1	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = +12 °C	Pdh	4.7	kW
Degradation co-efficient (**)	Cdh	0.96	-
Tj = bivalent temperature	Pdh	1.0	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-7	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	222	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	-	-
Tj = + 2 °C	COPd	3.74	-
Tj = + 7 °C	COPd	5.05	-
Tj = +12 °C	COPd	7.34	-
Tj = bivalent temperature	COPd	1.00	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	34.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	1820	kWh

Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	4.400	kW/h
Annual electricity consumption	AEC	968	kW/h

Water heating energy efficiency	ηwh	112	%

Contact details

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	EHST20D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		medium-temperature application.
Parameters shall be declared for		average climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	7.1	kW
Degradation co-efficient (**)	Cdh	0.99	-
Tj = + 2 °C	Pdh	4.3	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = + 7 °C	Pdh	5.3	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = +12 °C	Pdh	3.1	kW
Degradation co-efficient (**)	Cdh	0.95	-
Tj = bivalent temperature	Pdh	8.0	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-10	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	134	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	2.14	-
Tj = + 2 °C	COPd	3.26	-
Tj = + 7 °C	COPd	4.91	-
Tj = +12 °C	COPd	7.05	-
Tj = bivalent temperature	COPd	1.97	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	0.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	4695	kWh

Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	3.300	kW/h
Annual electricity consumption	AEC	736	kW/h

Water heating energy efficiency	ηwh	148	%

Contact details

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	EHST20D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		low-temperature application.
Parameters shall be declared for		average climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	7.1	kW
Degradation co-efficient (**)	Cdh	0.99	-
Tj = + 2 °C	Pdh	4.7	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = + 7 °C	Pdh	5.1	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = +12 °C	Pdh	3.2	kW
Degradation co-efficient (**)	Cdh	0.94	-
Tj = bivalent temperature	Pdh	8.0	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-10	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	179	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	3.11	-
Tj = + 2 °C	COPd	4.52	-
Tj = + 7 °C	COPd	6.00	-
Tj = +12 °C	COPd	8.21	-
Tj = bivalent temperature	COPd	3.09	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	0.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	3500	kWh

Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	3.300	kW/h
Annual electricity consumption	AEC	736	kW/h

Water heating energy efficiency	ηwh	148	%

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	EHST20D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		medium-temperature application.
Parameters shall be declared for		colder climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	4.9	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = + 2 °C	Pdh	3.5	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = + 7 °C	Pdh	4.3	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = +12 °C	Pdh	3.1	kW
Degradation co-efficient (**)	Cdh	0.95	-
Tj = bivalent temperature	Pdh	6.7	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	6.8	kW
Bivalent temperature	Tbiv	-16	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	113	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	2.59	-
Tj = + 2 °C	COPd	3.18	-
Tj = + 7 °C	COPd	4.78	-
Tj = +12 °C	COPd	6.74	-
Tj = bivalent temperature	COPd	1.51	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	1.52	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	2.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	6335	kWh

Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	3.100	kW/h
Annual electricity consumption	AEC	675	kW/h

Water heating energy efficiency	ηwh	162	%

Contact details

MITSUBISHI ELECTRIC AIR CODITIONING SYSTEM EUROPE LTD Nettlehill Road, Houston Industrial Estate, Livingston, EH54 5EQ, Scotland, U.K.

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	EHST20D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		low-temperature application.
Parameters shall be declared for		colder climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW

Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j

Tj = - 7 °C	Pdh	4.8	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = + 2 °C	Pdh	3.8	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = + 7 °C	Pdh	4.5	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = +12 °C	Pdh	3.1	kW
Degradation co-efficient (**)	Cdh	0.94	-
Tj = bivalent temperature	Pdh	6.7	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	6.8	kW
Bivalent temperature	Tbiv	-16	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	143	%

Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = - 7 °C	COPd	3.53	-
Tj = + 2 °C	COPd	4.04	-
Tj = + 7 °C	COPd	5.56	-
Tj = +12 °C	COPd	7.56	-
Tj = bivalent temperature	COPd	2.23	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	2.30	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode

Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater

Rated heat output (*)	Psup	2.0	kW
Type of energy input		Electrical	

Other items

Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	4934	kWh

Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:

Declared load profile	L		
Daily electricity consumption	Qelec	3.100	kW/h
Annual electricity consumption	AEC	675	kW/h

Water heating energy efficiency	ηwh	162	%

Contact details

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	EHST20D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		medium-temperature application.
Parameters shall be declared for		warmer climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	-	kW
Degradation co-efficient (**)	Cdh	-	-
Tj = + 2 °C	Pdh	8	kW
Degradation co-efficient (**)	Cdh	0.99	-
Tj = + 7 °C	Pdh	5.2	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = +12 °C	Pdh	4.5	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = bivalent temperature	Pdh	1.0	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-7	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	164	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	-	-
Tj = + 2 °C	COPd	1.88	-
Tj = + 7 °C	COPd	3.51	-
Tj = +12 °C	COPd	6.08	-
Tj = bivalent temperature	COPd	0.95	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	2.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	2479	kWh
Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	4.100	kW/h
Annual electricity consumption	AEC	900	kW/h
Water heating energy efficiency	ηwh	120	%

Contact details

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	EHST20D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		low-temperature application.
Parameters shall be declared for		warmer climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	-	kW
Degradation co-efficient (**)	Cdh	-	-
Tj = + 2 °C	Pdh	8	kW
Degradation co-efficient (**)	Cdh	0.99	-
Tj = + 7 °C	Pdh	5.1	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = +12 °C	Pdh	4.7	kW
Degradation co-efficient (**)	Cdh	0.96	-
Tj = bivalent temperature	Pdh	1.0	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-7	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	222	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	-	-
Tj = + 2 °C	COPd	3.74	-
Tj = + 7 °C	COPd	5.05	-
Tj = +12 °C	COPd	7.34	-
Tj = bivalent temperature	COPd	1.00	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	2.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	1820	kWh
Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	4.100	kW/h
Annual electricity consumption	AEC	900	kW/h
Water heating energy efficiency	ηwh	120	%

Contact details

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	ERST17D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		medium-temperature application.
Parameters shall be declared for		average climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	7.1	kW
Degradation co-efficient (**)	Cdh	0.99	-
Tj = + 2 °C	Pdh	4.3	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = + 7 °C	Pdh	5.3	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = +12 °C	Pdh	3.1	kW
Degradation co-efficient (**)	Cdh	0.95	-
Tj = bivalent temperature	Pdh	8.0	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-10	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	134	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	2.14	-
Tj = + 2 °C	COPd	3.26	-
Tj = + 7 °C	COPd	4.91	-
Tj = +12 °C	COPd	7.05	-
Tj = bivalent temperature	COPd	1.97	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	0.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	4695	kWh

Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	3.600	kW/h
Annual electricity consumption	AEC	798	kW/h

Water heating energy efficiency	ηwh	136	%

Contact details

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	ERST17D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		low-temperature application.
Parameters shall be declared for		average climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	7.1	kW
Degradation co-efficient (**)	Cdh	0.99	-
Tj = + 2 °C	Pdh	4.7	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = + 7 °C	Pdh	5.1	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = +12 °C	Pdh	3.2	kW
Degradation co-efficient (**)	Cdh	0.94	-
Tj = bivalent temperature	Pdh	8.0	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-10	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	179	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	3.11	-
Tj = + 2 °C	COPd	4.52	-
Tj = + 7 °C	COPd	6.00	-
Tj = +12 °C	COPd	8.21	-
Tj = bivalent temperature	COPd	3.09	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	0.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	3500	kWh
Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	3.600	kW/h
Annual electricity consumption	AEC	798	kW/h
Water heating energy efficiency	ηwh	136	%

Contact details

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	ERST17D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		medium-temperature application.
Parameters shall be declared for		colder climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW

Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j

Tj = - 7 °C	Pdh	4.9	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = + 2 °C	Pdh	3.5	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = + 7 °C	Pdh	4.3	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = +12 °C	Pdh	3.1	kW
Degradation co-efficient (**)	Cdh	0.95	-
Tj = bivalent temperature	Pdh	6.7	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	6.8	kW
Bivalent temperature	Tbiv	-16	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	113	%

Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = - 7 °C	COPd	2.59	-
Tj = + 2 °C	COPd	3.18	-
Tj = + 7 °C	COPd	4.78	-
Tj = +12 °C	COPd	6.74	-
Tj = bivalent temperature	COPd	1.51	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	1.52	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode

Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater

Rated heat output (*)	Psup	2.0	kW
Type of energy input		Electrical	

Other items

Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	6335	kWh

Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:

Declared load profile		L	
Daily electricity consumption	Qelec	3.200	kW/h
Annual electricity consumption	AEC	709	kW/h

Water heating energy efficiency	ηwh	154	%

Contact details

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	ERST17D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		low-temperature application.
Parameters shall be declared for		colder climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW

Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j

Tj = - 7 °C	Pdh	4.8	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = + 2 °C	Pdh	3.8	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = + 7 °C	Pdh	4.5	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = +12 °C	Pdh	3.1	kW
Degradation co-efficient (**)	Cdh	0.94	-
Tj = bivalent temperature	Pdh	6.7	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	6.8	kW
Bivalent temperature	Tbiv	-16	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	143	%

Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = - 7 °C	COPd	3.53	-
Tj = + 2 °C	COPd	4.04	-
Tj = + 7 °C	COPd	5.56	-
Tj = +12 °C	COPd	7.56	-
Tj = bivalent temperature	COPd	2.23	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	2.30	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode

Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater

Rated heat output (*)	Psup	2.0	kW
Type of energy input		Electrical	

Other items

Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	4934	kWh

Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:

Declared load profile		L	
Daily electricity consumption	Qelec	3.200	kW/h
Annual electricity consumption	AEC	709	kW/h

Water heating energy efficiency	ηwh	154	%

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	ERST17D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		medium-temperature application.
Parameters shall be declared for		warmer climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	-	kW
Degradation co-efficient (**)	Cdh	-	-
Tj = + 2 °C	Pdh	8	kW
Degradation co-efficient (**)	Cdh	0.99	-
Tj = + 7 °C	Pdh	5.2	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = +12 °C	Pdh	4.5	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = bivalent temperature	Pdh	1.0	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-7	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	164	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	-	-
Tj = + 2 °C	COPd	1.88	-
Tj = + 7 °C	COPd	3.51	-
Tj = +12 °C	COPd	6.08	-
Tj = bivalent temperature	COPd	0.95	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	34.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	2479	kWh
Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	4.400	kW/h
Annual electricity consumption	AEC	968	kW/h
Water heating energy efficiency	ηwh	112	%

Contact details

MITSUBISHI ELECTRIC AIR CODITIONING SYSTEM EUROPE LTD Nettlehill Road, Houston Industrial Estate, Livingston, EH54 5EQ, Scotland, U.K.

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	ERST17D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		low-temperature application.
Parameters shall be declared for		warmer climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	-	kW
Degradation co-efficient (**)	Cdh	-	-
Tj = + 2 °C	Pdh	8	kW
Degradation co-efficient (**)	Cdh	0.99	-
Tj = + 7 °C	Pdh	5.1	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = +12 °C	Pdh	4.7	kW
Degradation co-efficient (**)	Cdh	0.96	-
Tj = bivalent temperature	Pdh	1.0	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-7	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	222	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	-	-
Tj = + 2 °C	COPd	3.74	-
Tj = + 7 °C	COPd	5.05	-
Tj = +12 °C	COPd	7.34	-
Tj = bivalent temperature	COPd	1.00	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	34.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	1820	kWh

Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	4.400	kW/h
Annual electricity consumption	AEC	968	kW/h

Water heating energy efficiency	ηwh	112	%

Contact details

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	ERST20D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		medium-temperature application.
Parameters shall be declared for		average climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	7.1	kW
Degradation co-efficient (**)	Cdh	0.99	-
Tj = + 2 °C	Pdh	4.3	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = + 7 °C	Pdh	5.3	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = +12 °C	Pdh	3.1	kW
Degradation co-efficient (**)	Cdh	0.95	-
Tj = bivalent temperature	Pdh	8.0	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-10	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	134	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	2.14	-
Tj = + 2 °C	COPd	3.26	-
Tj = + 7 °C	COPd	4.91	-
Tj = +12 °C	COPd	7.05	-
Tj = bivalent temperature	COPd	1.97	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	0.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	4695	kWh

Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	3.300	kW/h
Annual electricity consumption	AEC	736	kW/h

Water heating energy efficiency	ηwh	148	%

Contact details

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	ERST20D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		low-temperature application.
Parameters shall be declared for		average climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	7.1	kW
Degradation co-efficient (**)	Cdh	0.99	-
Tj = + 2 °C	Pdh	4.7	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = + 7 °C	Pdh	5.1	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = +12 °C	Pdh	3.2	kW
Degradation co-efficient (**)	Cdh	0.94	-
Tj = bivalent temperature	Pdh	8.0	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-10	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	179	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	3.11	-
Tj = + 2 °C	COPd	4.52	-
Tj = + 7 °C	COPd	6.00	-
Tj = +12 °C	COPd	8.21	-
Tj = bivalent temperature	COPd	3.09	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	0.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	3500	kWh

Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	3.300	kW/h
Annual electricity consumption	AEC	736	kW/h

Water heating energy efficiency	ηwh	148	%

Contact details

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	ERST20D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		medium-temperature application.
Parameters shall be declared for		colder climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	4.9	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = + 2 °C	Pdh	3.5	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = + 7 °C	Pdh	4.3	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = +12 °C	Pdh	3.1	kW
Degradation co-efficient (**)	Cdh	0.95	-
Tj = bivalent temperature	Pdh	6.7	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	6.8	kW
Bivalent temperature	Tbiv	-16	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	113	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	2.59	-
Tj = + 2 °C	COPd	3.18	-
Tj = + 7 °C	COPd	4.78	-
Tj = +12 °C	COPd	6.74	-
Tj = bivalent temperature	COPd	1.51	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	1.52	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	2.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	6335	kWh

Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	3.100	kW/h
Annual electricity consumption	AEC	675	kW/h

Water heating energy efficiency	ηwh	162	%

Contact details

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	ERST20D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		low-temperature application.
Parameters shall be declared for		colder climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW

Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j

Tj = - 7 °C	Pdh	4.8	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = + 2 °C	Pdh	3.8	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = + 7 °C	Pdh	4.5	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = +12 °C	Pdh	3.1	kW
Degradation co-efficient (**)	Cdh	0.94	-
Tj = bivalent temperature	Pdh	6.7	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	6.8	kW
Bivalent temperature	Tbiv	-16	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	143	%

Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = - 7 °C	COPd	3.53	-
Tj = + 2 °C	COPd	4.04	-
Tj = + 7 °C	COPd	5.56	-
Tj = +12 °C	COPd	7.56	-
Tj = bivalent temperature	COPd	2.23	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	2.30	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode

Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater

Rated heat output (*)	Psup	2.0	kW
Type of energy input		Electrical	

Other items

Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	4934	kWh

Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:

Declared load profile		L	
Daily electricity consumption	Qelec	3.100	kW/h
Annual electricity consumption	AEC	675	kW/h

Water heating energy efficiency	ηwh	162	%

Contact details

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	ERST20D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		medium-temperature application.
Parameters shall be declared for		warmer climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor ☐ temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	-	kW
Degradation co-efficient (**)	Cdh	-	-
Tj = + 2 °C	Pdh	8	kW
Degradation co-efficient (**)	Cdh	0.99	-
Tj = + 7 °C	Pdh	5.2	kW
Degradation co-efficient (**)	Cdh	0.98	-
Tj = +12 °C	Pdh	4.5	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = bivalent temperature	Pdh	1.0	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-7	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	164	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	-	-
Tj = + 2 °C	COPd	1.88	-
Tj = + 7 °C	COPd	3.51	-
Tj = +12 °C	COPd	6.08	-
Tj = bivalent temperature	COPd	0.95	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	2.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	2479	kWh
Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	4.100	kW/h
Annual electricity consumption	AEC	900	kW/h
Water heating energy efficiency	ηwh	120	%

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SHWM80YAA
	Indoor unit:	ERST20D-****
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters shall be declared for		low-temperature application.
Parameters shall be declared for		warmer climate conditions.

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j			
Tj = - 7 °C	Pdh	-	kW
Degradation co-efficient (**)	Cdh	-	-
Tj = + 2 °C	Pdh	8	kW
Degradation co-efficient (**)	Cdh	0.99	-
Tj = + 7 °C	Pdh	5.1	kW
Degradation co-efficient (**)	Cdh	0.97	-
Tj = +12 °C	Pdh	4.7	kW
Degradation co-efficient (**)	Cdh	0.96	-
Tj = bivalent temperature	Pdh	1.0	kW
Tj = operation limit temperature	Pdh	5.3	kW
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-7	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	222	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd	-	-
Tj = + 2 °C	COPd	3.74	-
Tj = + 7 °C	COPd	5.05	-
Tj = +12 °C	COPd	7.34	-
Tj = bivalent temperature	COPd	1.00	-
Tj = operation limit temperature	COPd	1.41	-
Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Operation limit temperature	TOL	-28	°C
Heating water operating limit temperature	WTOL	60	°C

Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.022	kW
Thermostat-off mode	P_{TO}	0.022	kW
Standby mode	P_{SB}	0.022	kW
Crankcase heater mode	P_{CK}	0.000	kW

Supplementary heater			
Rated heat output (*)	Psup	2.0	kW
Type of energy input		Electrical	

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L_{WA}	41/56	dBA
Annual energy consumption	Q_{HE}	1820	kWh
Rated air flow rate, outdoors	-	2220	m^3/h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Qelec	4.100	kW/h
Annual electricity consumption	AEC	900	kW/h
Water heating energy efficiency	ηwh	120	%

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.