

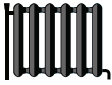


ENERG
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Y IJA
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Indoor unit E*ST30D-****D
Outdoor unit PUD-SWM80YAA(-BS)



A++



A



41 dB

56 dB



- 08 kW
- 08 kW
- 08 kW

2019

811/2013

BH79V003K32



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

		For medium-temperature application.												For low-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	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
PUD-SWM60VAA(BS)	EHST17D-****	✓	A++	A+	6.0	3618	798	130	136	41	-	6.0	6.0	4923	2065	968	709	109	148	112	154	55	✓	A+++	A+	6.0	2672	798	175	136	41	-	6.0	6.0	4012	1489	968	709	133	205	112	154	55
	ERST17D-****	✓	A++	A+	6.0	3618	798	130	136	41	-	6.0	6.0	4923	2065	968	709	109	148	112	154	55	✓	A+++	A+	6.0	2672	798	175	136	41	-	6.0	6.0	4012	1489	968	709	133	205	112	154	55
	EHST20D-****	✓	A++	A+	6.0	3618	736	130	148	41	-	6.0	6.0	4923	2065	900	675	109	148	120	162	55	✓	A+++	A+	6.0	2672	736	175	148	41	-	6.0	6.0	4012	1489	900	675	133	205	120	162	55
	ERST20D-****	✓	A++	A+	6.0	3618	736	130	148	41	-	6.0	6.0	4923	2065	900	675	109	148	120	162	55	✓	A+++	A+	6.0	2672	736	175	148	41	-	6.0	6.0	4012	1489	900	675	133	205	120	162	55
	EHST30D-****	✓	A++	A	6.0	3618	1431	130	121	41	-	6.0	6.0	4923	2065	1700	1203	109	148	102	145	55	✓	A+++	A	6.0	2672	1431	175	121	41	-	6.0	6.0	4012	1489	1700	1203	133	205	102	145	55
	ERST30D-****	✓	A++	A	6.0	3618	1431	130	121	41	-	6.0	6.0	4923	2065	1700	1203	109	148	102	145	55	✓	A+++	A	6.0	2672	1431	175	121	41	-	6.0	6.0	4012	1489	1700	1203	133	205	102	145	55
PUD-SWM80VAA(BS)	EHST17D-****	✓	A++	A+	8.0	4814	798	131	136	41	-	8.0	8.0	6507	2554	968	709	110	161	112	154	56	✓	A+++	A+	8.0	3529	798	178	136	41	-	8.0	8.0	5083	1879	968	709	139	218	112	154	56
	ERST17D-****	✓	A++	A+	8.0	4814	798	131	136	41	-	8.0	8.0	6507	2554	968	709	110	161	112	154	56	✓	A+++	A+	8.0	3529	798	178	136	41	-	8.0	8.0	5083	1879	968	709	139	218	112	154	56
	EHST20D-****	✓	A++	A+	8.0	4814	736	131	148	41	-	8.0	8.0	6507	2554	900	675	110	161	120	162	56	✓	A+++	A+	8.0	3529	736	178	148	41	-	8.0	8.0	5083	1879	900	675	139	218	120	162	56
	ERST20D-****	✓	A++	A+	8.0	4814	736	131	148	41	-	8.0	8.0	6507	2554	900	675	110	161	120	162	56	✓	A+++	A+	8.0	3529	736	178	148	41	-	8.0	8.0	5083	1879	900	675	139	218	120	162	56
	EHST30D-****	✓	A++	A	8.0	4814	1431	131	121	41	-	8.0	8.0	6507	2554	1700	1203	110	161	102	145	56	✓	A+++	A	8.0	3529	1431	178	121	41	-	8.0	8.0	5083	1879	1700	1203	139	218	102	145	56
	ERST30D-****	✓	A++	A	8.0	4814	1431	131	121	41	-	8.0	8.0	6507	2554	1700	1203	110	161	102	145	56	✓	A+++	A	8.0	3529	1431	178	121	41	-	8.0	8.0	5083	1879	1700	1203	139	218	102	145	56
PUD-SWM100VAA(BS)	EHST17D-****	✓	A++	A+	10.0	6040	736	131	148	41	-	10.0	10.0	8290	3390	900	675	109	159	112	154	56	✓	A+++	A+	10.0	4441	736	176	136	41	-	10.0	10.0	5083	1879	968	709	138	215	112	154	56
	ERST17D-****	✓	A++	A+	10.0	6040	736	131	148	41	-	10.0	10.0	8290	3390	900	675	109	159	112	154	56	✓	A+++	A+	10.0	4441	736	176	136	41	-	10.0	10.0	5083	1879	968	709	138	215	112	154	56
	EHST20D-****	✓	A++	A+	10.0	6040	736	130	148	41	-	10.0	10.0	8290	3390	900	675	109	159	120	162	56	✓	A+++	A+	10.0	4441	736	176	148	41	-	10.0	10.0	5083	1879	900	675	138	215	120	162	56
	ERST20D-****	✓	A++	A+	10.0	6040	736	130	148	41	-	10.0	10.0	8290	3390	900	675	109	159	120	162	56	✓	A+++	A+	10.0	4441	736	176	148	41	-	10.0	10.0	5083	1879	900	675	138	215	120	162	56
	EHST30D-****	✓	A++	A	10.0	6040	1431	131	121	41	-	10.0	10.0	8290	3390	1700	1203	109	159	102	145	56	✓	A+++	A	10.0	4441	1431	176	121	41	-	10.0	10.0	5083	1879	1700	1203	138	215	102	145	56
	ERST30D-****	✓	A++	A	10.0	6040	1431	131	121	41	-	10.0	10.0	8290	3390	1700	1203	109	159	102	145	56	✓	A+++	A	10.0	4441	1431	176	121	41	-	10.0	10.0	5083	1879	1700	1203	138	215	102	145	56
PUD-SWM120VAA(BS)	EHST17D-****	✓	A++	A+	12.0	7377	736	129	148	41	-	12.0	12.0	9994	4128	900	675	109	150	120	162	60	✓	A+++	A+	12.0	5371	736	177	148	41	-	12.0	12.0	7717	2864	900	675	140	217	120	162	60
	ERST17D-****	✓	A++	A+	12.0	7377	736	129	148	41	-	12.0	12.0	9994	4128	900	675	109	150	120	162	60	✓	A+++	A+	12.0	5371	736	177	148	41	-	12.0	12.0	7717	2864	900	675	140	217	120	162	60
	EHST20D-****	✓	A++	A+	12.0	7377	736	129	148	41	-	12.0	12.0	9994	4128	900	675	109	150	120	162	60	✓	A+++	A+	12.0	5371	736	177	148	41	-	12.0	12.0	7717	2864	900	675	140	217	120	162	60
	ERST20D-****	✓	A++	A+	12.0	7377	736	129	148	41	-	12.0	12.0	9994	4128	900	675	109	150	120	162	60	✓	A+++	A+	12.0	5371	736	177	148	41	-	12.0	12.0	7717	2864	900	675	140	217	120	162	60
	EHST30D-****	✓	A++	A	12.0	7377	1431	129	121	41	-	12.0	12.0	9994	4128	1700	1203	109	150	102	145	60	✓	A+++	A	12.0	5371	1431	177	121	41	-	12.0	12.0	7717	2864	1700	1203	140	217	102	145	60
	ERST30D-****	✓	A++	A	12.0	7377	1431	129	121	41	-	12.0	12.0	9994	4128	1700	1203	109	150	102	145	60	✓	A+++	A	12.0	5371	1431	177	121	41	-	12.0	12.0	7717	2864	1700	1203	140	217	102	145	60
PUD-SHM60VAA(BS)	EHST17D-****	✓	A++	A+	6.0	3535	798	134	136	41	-	6.0	6.0	4776	1919	968	709	113	159	112	154	55	✓	A+++	A+	6.0	2649	798	178	136	41	-	6.0	6.0	3903	1385	968	709	138	220	112	154	55
	ERST17D-****	✓	A++	A+	6.0	3535	798	134	136	41	-	6.0	6.0	4776	1919	968	709	113	159	112	154	55	✓	A+++	A+	6.0	2649	798	178	136	41	-	6.0	6.0	3903	1385	968	709	138	220	112	154	55
	EHST20D-****	✓	A++	A+	6.0	3535	736	134	148	41	-	6.0	6.0	4776	1919	900	675	113	159	120	162	55	✓	A+++	A+	6.0	2649	736	178	148	41	-	6.0	6.0	3903	1385	900	675	138	220	120	162	55
	ERST20D-****	✓	A++	A+	6.0	3535	736	134	148	41	-	6.0	6.0	4776	1919	900	675	113	159	120	162	55	✓	A+++	A+	6.0	2649	736	178	148	41	-	6.0	6.0	3903	1385	900	675	138	220	120	162	55
	EHST30D-****	✓	A++	A	6.0	3535	1431	134	121	41	-	6.0	6.0	4776	1919	1700	1203	113	159	102	145	55	✓	A+++	A	6.0	2649	1431	178	121	41	-	6.0	6.0	3903	1385	1700	1203	138	220	102	145	55
	ERST30D-****	✓	A++	A	6.0	3535	1431	134	121	41	-	6.0	6.0	4776	1919	1700	1203	113	159	102	145	55	✓	A+++	A	6.0	2649	1431	178	121	41	-	6.0	6.0	3903	1385	1700	1203	138	220	102	145	55
PUD-SHM80VAA(BS)	EHST17D-****	✓	A++	A+	8.0	4895	798	134	136	41	-	8.0	8.0	6335	2479	968	709	113	164	112	154	56	✓	A+++	A+	8.0	3500	798	179	136	41	-	8.0	8.0	4934	1820	968	709	143	222	112	154	56
	ERST17D-****	✓	A++	A+	8.0	4895	798	134	136	41	-	8.0	8.0	6335	2479	968	709	113	164	112	154	56	✓	A+++	A+	8.0	3500	798	179	136	41	-	8.0	8.0	4934	1820	968	709	143	222	112	154	56
	EHST20D-****	✓	A++	A+	8.0	4895	736	135	148	41	-	8.0	8.0	6335	2479	900	675	114	166	120	162	56	✓	A+++	A+	8.0	3500	736															

English	Deutsch	Français	Italiano	Espanol
Nederlands	Svenska	Polski	Português	Ελληνικά
suomi	Čeština	Български	Polski	Ελληνικά
Outdoor unit	Außengerät	unit extérieure	unità esterna	unidad exterior
1 built-in unit	Utløst enhed	Utløst enhed	unità esteriore	Εξωτερική μονάδα
Ulkokotkko	Vaikovi/jednotka	Външно тяло	jednostka zewnętrzna	μονάδα εξωτερική
Indoor unit	Innengerät	unit intérieure	unità interna	unidad interior
2 binnenunit	Innenventil	Innenventil	unità interiore	Εσωτερική μονάδα
Sisäyksyksikö	Vahinli/jednotka	Вътрешно тяло	jednostka wewnętrzna	μονάδα εσωτερική
Medium-temperature application	Mittlertemperaturanwendung	l'applicazioni a mezza temperatura	la aplicación a media temperatura	η εφαρμογή σε μετρίως θερμοκρασία
3 middle-temperature-cooling	mittlertemperaturabkühlung	middle-temperature-cooling	a aplicação a média temperatura	η εφαρμογή σε μετρίως ψύξης
Keskilämpötilan sovellus	středníteplotní aplikace	среднотемпературное применение	zaslouskavania w średnich temperaturach	-
Low-temperature application	Niedertemperaturanwendung	l'applicazioni a bassa temperatura	la aplicación a bassa temperatura	η εφαρμογή σε χαμηλή θερμοκρασία
4 laagtemperatuur-cooling	lagertemperatuurafkühlung	la aplicación a baja temperatura	a aplicação a baixa temperatura	-
malalämpötilan sovellus	nizkotéplotní aplikace	низкотемпературни приложения	zaslouskavania w niskich temperaturach	-
5 de seizoensgebonden energie-efficiëntieklassen voor ruimteverwarming	de seizoensgebonden energie-efficiëntieklassen voor ruimteverwarming	de classe de efficacité énergétique saisonnière, pour le chauffage des locaux	la classe de efficienza energética stagionale del riscaldamento d'ambiente	η τάξη ενεργειακής αποδοχής, της εποχικής θέρμανσης χώρου
6 de energie-efficiëntieklassen voor waterverwarming	de energie-efficiëntieklassen voor waterverwarming	la puissance thermique nominale dans les conditions climatiques moyennes	la potencia térmica nominal en condiciones climáticas medias	η ονομαστική θερμική ισχύς, υπό μετρίως κλιματικές συνθήκες
7 de nominale vermogen/groter gemiddelde klimaatomstandigheden	de nominale vermogen/groter gemiddelde klimaatomstandigheden	la puissance nominale (under gemiddeltliga klimatförhållanden)	A potencia calorífica nominal (en condiciones climáticas medias)	η ονομαστική θερμική ισχύς, υπό μετρίως κλιματικές συνθήκες
8 voor ruimteverwarming, het jaarlijkse energieverbruik(onder gemiddelde klimaatomstandigheden)	voor ruimteverwarming, het jaarlijkse energieverbruik(onder gemiddelde klimaatomstandigheden)	for programming del årlige energiforbruk(under gennemsnitlige klimaforhold)	Per il riscaldamento d'ambiente, il consumo annuo di energia(in condizioni climatiche medie)	για τη θέρμανση χώρου, η ετήσια καταναλωμένη ενέργεια(υπό μετρίως κλιματικές συνθήκες)
9 voor waterverwarming, het jaarlijkse elektriciteitsverbruik(onder gemiddelde klimaatomstandigheden)	voor waterverwarming, het jaarlijkse elektriciteitsverbruik(onder gemiddelde klimaatomstandigheden)	for waterheating, annual electricity consumption under average climate conditions	per il riscaldamento dell'acqua, il consumo annuo di energia(in condizioni climatiche medie)	για την θέρμανση ύδατος, η ετήσια καταναλωμένη ηλεκτρική ενέργεια(υπό μετρίως κλιματικές συνθήκες)
10 de seizoensgebonden energie-efficiëntie voor ruimteverwarming(onder gemiddelde klimaatomstandigheden)	de seizoensgebonden energie-efficiëntie voor ruimteverwarming(onder gemiddelde klimaatomstandigheden)	la puissance énergétique saisonnière pour le chauffage des locaux(dans les conditions climatiques moyennes)	per il riscaldamento dell'acqua, il consumo annuo di energia(in condizioni climatiche medie)	η ενεργειακή αποδοχή θέρμανσης ύδατος(υπό μετρίως κλιματικές συνθήκες)
11 de energie-efficiëntie voor waterverwarming(onder gemiddelde klimaatomstandigheden)	de energie-efficiëntie voor waterverwarming(onder gemiddelde klimaatomstandigheden)	la puissance énergétique saisonnière pour le chauffage des locaux(dans les conditions climatiques moyennes)	per il riscaldamento dell'acqua, il consumo annuo di energia(in condizioni climatiche medie)	η ενεργειακή αποδοχή θέρμανσης ύδατος(υπό μετρίως κλιματικές συνθήκες)
12 het gebruiksvolume/verbruik van binnen	gebruiksvolume/verbruik van binnen	la puissance nominale (under gemiddeltliga klimatförhållanden)	A potencia calorífica nominal (en condiciones climáticas medias)	η ονομαστική θερμική ισχύς, υπό μετρίως κλιματικές συνθήκες
13 de nominale vermogen/groter gemiddelde klimaatomstandigheden	de nominale vermogen/groter gemiddelde klimaatomstandigheden	la puissance nominale (under gemiddeltliga klimatförhållanden)	A potencia calorífica nominal (en condiciones climáticas medias)	η ονομαστική θερμική ισχύς, υπό μετρίως κλιματικές συνθήκες
14 de nominale vermogen/groter gemiddelde klimaatomstandigheden	de nominale vermogen/groter gemiddelde klimaatomstandigheden	la puissance nominale (under gemiddeltliga klimatförhållanden)	A potencia calorífica nominal (en condiciones climáticas medias)	η ονομαστική θερμική ισχύς, υπό μετρίως κλιματικές συνθήκες
15 nominale vermogen/groter gemiddelde klimaatomstandigheden	nominale vermogen/groter gemiddelde klimaatomstandigheden	la puissance nominale (under gemiddeltliga klimatförhållanden)	A potencia calorífica nominal (en condiciones climáticas medias)	η ονομαστική θερμική ισχύς, υπό μετρίως κλιματικές συνθήκες
16 voor ruimteverwarming, het jaarlijkse energieverbruik(onder koudeere klimaatomstandigheden)	voor ruimteverwarming, het jaarlijkse energieverbruik(onder koudeere klimaatomstandigheden)	for heating, annual energy consumption under cold climate conditions	per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più fredde	για θέρμανση χώρου, η ετήσια καταναλωμένη ενέργεια(υπό ψυχρότερες κλιματικές συνθήκες)
17 voor ruimteverwarming, het jaarlijkse energieverbruik(onder koudeere klimaatomstandigheden)	voor ruimteverwarming, het jaarlijkse energieverbruik(onder koudeere klimaatomstandigheden)	for heating, annual energy consumption under cold climate conditions	per il riscaldamento d'ambiente, il consumo annuo di energia, in condizioni climatiche più fredde	για θέρμανση χώρου, η ετήσια καταναλωμένη ενέργεια(υπό ψυχρότερες κλιματικές συνθήκες)
18 voor waterverwarming, het jaarlijkse elektriciteitsverbruik(onder koudeere klimaatomstandigheden)	voor waterverwarming, het jaarlijkse elektriciteitsverbruik(onder koudeere klimaatomstandigheden)	for waterheating, annual electricity consumption under cold climate conditions	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più fredde e più calde	για θέρμανση ύδατος, η ετήσια καταναλωμένη ηλεκτρική ενέργεια(υπό ψυχρότερες κλιματικές συνθήκες)
19 voor waterverwarming, het jaarlijkse elektriciteitsverbruik(onder warmeere klimaatomstandigheden)	voor waterverwarming, het jaarlijkse elektriciteitsverbruik(onder warmeere klimaatomstandigheden)	for waterheating, annual electricity consumption under warm climate conditions	per il riscaldamento dell'acqua, il consumo annuo di energia, in condizioni climatiche più calde e più fredde	για θέρμανση ύδατος, η ετήσια καταναλωμένη ηλεκτρική ενέργεια(υπό θερμότερες κλιματικές συνθήκες)
20 de seizoensgebonden energie-efficiëntie voor ruimteverwarming(onder koudeere klimaatomstandigheden)	de seizoensgebonden energie-efficiëntie voor ruimteverwarming(onder koudeere klimaatomstandigheden)	la puissance énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus froides	la eficiencia energética estacional de calefacción en condiciones climáticas más frías	η εποχιακή ενεργειακή αποδοχή θέρμανσης χώρου(υπό ψυχρότερες κλιματικές συνθήκες)
21 de seizoensgebonden energie-efficiëntie voor ruimteverwarming(onder warmeere klimaatomstandigheden)	de seizoensgebonden energie-efficiëntie voor ruimteverwarming(onder warmeere klimaatomstandigheden)	la puissance énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus chaudes	la eficiencia energética estacional de calefacción en condiciones climáticas más calidas	η εποχιακή ενεργειακή αποδοχή θέρμανσης χώρου(υπό θερμότερες κλιματικές συνθήκες)
22 de energie-efficiëntie voor waterverwarming(onder koudeere klimaatomstandigheden)	de energie-efficiëntie voor waterverwarming(onder koudeere klimaatomstandigheden)	la puissance énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus froides	la eficiencia energética de calefacción en condiciones climáticas más frías	η ενεργειακή αποδοχή θέρμανσης ύδατος(υπό ψυχρότερες κλιματικές συνθήκες)
23 de energie-efficiëntie voor waterverwarming(onder warmeere klimaatomstandigheden)	de energie-efficiëntie voor waterverwarming(onder warmeere klimaatomstandigheden)	la puissance énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus chaudes	la eficiencia energética de calefacción en condiciones climáticas más calidas	η ενεργειακή αποδοχή θέρμανσης ύδατος(υπό θερμότερες κλιματικές συνθήκες)
24 de energie-efficiëntie voor waterverwarming(onder warmeere klimaatomstandigheden)	de energie-efficiëntie voor waterverwarming(onder warmeere klimaatomstandigheden)	la puissance énergétique saisonnière pour le chauffage des locaux, dans les conditions climatiques plus chaudes	la eficiencia energética de calefacción en condiciones climáticas más calidas	η ενεργειακή αποδοχή θέρμανσης ύδατος(υπό θερμότερες κλιματικές συνθήκες)

Model(s):	Outdoor unit:	PUD-SWM80YAA
	Indoor unit:	EHST30D-****
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	130	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	7.1	kW	T _j = - 7 °C	COP _d	2.03	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	4.3	kW	T _j = + 2 °C	COP _d	3.19	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	5.3	kW	T _j = + 7 °C	COP _d	4.86	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	3.1	kW	T _j = +12 °C	COP _d	6.89	-
Degradation co-efficient (**)	C _{dh}	0.95	-				
T _j = bivalent temperature	P _{dh}	6.8	kW	T _j = bivalent temperature	COP _d	2.04	-
T _j = operation limit temperature	P _{dh}	4.7	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	P _{sup}	1.6	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	41/56	dB(A)				
Annual energy consumption	Q _{HE}	4814	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	121	%	
Daily electricity consumption	Q _{elec}	6.500	kWh				
Annual electricity consumption	AEC	1431	kWh				

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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-SWM80YAA
	Indoor unit:	EHST30D-****
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	176	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	7.1	kW	T _j = - 7 °C	COP _d	3.00	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	4.7	kW	T _j = + 2 °C	COP _d	4.52	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = + 7 °C	P _{dh}	5.1	kW	T _j = + 7 °C	COP _d	6.00	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	3.2	kW	T _j = +12 °C	COP _d	8.00	-
Degradation co-efficient (**)	C _{dh}	0.94	-				
T _j = bivalent temperature	P _{dh}	7.1	kW	T _j = bivalent temperature	COP _d	3.00	-
T _j = operation limit temperature	P _{dh}	4.8	kW	T _j = operation limit temperature	COP _d	1.45	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	P _{sup}	1.3	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	41/56	dB(A)				
Annual energy consumption	Q _{HE}	3529	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	121	%	
Daily electricity consumption	Q _{elec}	6.500	kW/h				
Annual electricity consumption	AEC	1431	kW/h				

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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-SWM80YAA
	Indoor unit:	EHST30D-****
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	109	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	4.9	kW	T _j = - 7 °C	COP _d	2.51	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 2 °C	P _{dh}	3.5	kW	T _j = + 2 °C	COP _d	3.07	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	4.3	kW	T _j = + 7 °C	COP _d	4.73	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	3.1	kW	T _j = +12 °C	COP _d	6.60	-
Degradation co-efficient (**)	C _{dh}	0.95	-				
T _j = bivalent temperature	P _{dh}	6.7	kW	T _j = bivalent temperature	COP _d	1.36	-
T _j = operation limit temperature	P _{dh}	4.7	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	6.9	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	1.35	-
Bivalent temperature	T _{biv}	-16	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	P _{sup}	2.6	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	41/56	dB(A)				
Annual energy consumption	Q _{HE}	6507	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	145	%	
Daily electricity consumption	Q _{elec}	5.500	kWh				
Annual electricity consumption	AEC	1203	kWh				

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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-SWM80YAA
	Indoor unit:	EHST30D-****
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	138	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	4.8	kW	T _j = - 7 °C	COP _d	3.40	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 2 °C	P _{dh}	3.8	kW	T _j = + 2 °C	COP _d	3.92	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = + 7 °C	P _{dh}	4.5	kW	T _j = + 7 °C	COP _d	5.49	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	3.1	kW	T _j = +12 °C	COP _d	7.38	-
Degradation co-efficient (**)	C _{dh}	0.94	-				
T _j = bivalent temperature	P _{dh}	6.7	kW	T _j = bivalent temperature	COP _d	2.09	-
T _j = operation limit temperature	P _{dh}	4.7	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	6.9	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	2.16	-
Bivalent temperature	T _{biv}	-16	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	P _{sup}	2.6	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	41/56	dB(A)				
Annual energy consumption	Q _{HE}	5083	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	145	%	
Daily electricity consumption	Q _{elec}	5.500	kW/h				
Annual electricity consumption	AEC	1203	kW/h				

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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-SWM80YAA
	Indoor unit:	EHST30D-****
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	159	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	8	kW	T _j = + 2 °C	COP _d	1.82	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	5.2	kW	T _j = + 7 °C	COP _d	3.40	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	4.5	kW	T _j = +12 °C	COP _d	5.92	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	1.0	kW	T _j = bivalent temperature	COP _d	0.94	-
T _j = operation limit temperature	P _{dh}	4.7	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	P _{sup}	27.0	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	41/56	dB(A)				
Annual energy consumption	Q _{HE}	2554	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	102	%	
Daily electricity consumption	Q _{elec}	7.700	kWh				
Annual electricity consumption	AEC	1700	kWh				

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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-SWM80YAA
	Indoor unit:	EHST30D-****
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	215	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	8	kW	T _j = + 2 °C	COP _d	3.56	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	5.1	kW	T _j = + 7 °C	COP _d	4.90	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	4.7	kW	T _j = +12 °C	COP _d	7.12	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	1.0	kW	T _j = bivalent temperature	COP _d	1.00	-
T _j = operation limit temperature	P _{dh}	4.7	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	P _{sup}	27.0	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	41/56	dB(A)				
Annual energy consumption	Q _{HE}	1879	kWh				

For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	η_{wh}	102	%
Daily electricity consumption	Q _{elec}	7.700	kW/h				
Annual electricity consumption	AEC	1700	kW/h				

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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-SWM80YAA
	Indoor unit:	ERST30D-****
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	130	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	7.1	kW	T _j = - 7 °C	COP _d	2.03	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	4.3	kW	T _j = + 2 °C	COP _d	3.19	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	5.3	kW	T _j = + 7 °C	COP _d	4.86	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	3.1	kW	T _j = +12 °C	COP _d	6.89	-
Degradation co-efficient (**)	C _{dh}	0.95	-				
T _j = bivalent temperature	P _{dh}	6.8	kW	T _j = bivalent temperature	COP _d	2.04	-
T _j = operation limit temperature	P _{dh}	4.7	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-25	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	P _{sup}	1.6	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input Electrical			
Standby mode	P _{SB}	0.022	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	41/56	dB(A)
Annual energy consumption	Q _{HE}	4814	kWh
Rated air flow rate, outdoors			
		-	2220 m ³ /h

For heat pump combination heater:			
Declared load profile		XL	
Daily electricity consumption	Q _{elec}	6.500	kWh
Annual electricity consumption	AEC	1431	kWh
Water heating energy efficiency			
		η_{wh}	121 %

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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-SWM80YAA
	Indoor unit:	ERST30D-****
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	176	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	7.1	kW	T _j = - 7 °C	COP _d	3.00	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	4.7	kW	T _j = + 2 °C	COP _d	4.52	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = + 7 °C	P _{dh}	5.1	kW	T _j = + 7 °C	COP _d	6.00	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	3.2	kW	T _j = +12 °C	COP _d	8.00	-
Degradation co-efficient (**)	C _{dh}	0.94	-				
T _j = bivalent temperature	P _{dh}	7.1	kW	T _j = bivalent temperature	COP _d	3.00	-
T _j = operation limit temperature	P _{dh}	4.8	kW	T _j = operation limit temperature	COP _d	1.45	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	P _{sup}	1.3	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	41/56	dB(A)				
Annual energy consumption	Q _{HE}	3529	kWh				

For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	η_{wh}	121	%
Daily electricity consumption	Q _{elec}	6.500	kW/h				
Annual electricity consumption	AEC	1431	kW/h				

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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SWM80YAA
	Indoor unit:	ERST30D-****
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	109	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	4.9	kW	T _j = - 7 °C	COP _d	2.51	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 2 °C	P _{dh}	3.5	kW	T _j = + 2 °C	COP _d	3.07	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	4.3	kW	T _j = + 7 °C	COP _d	4.73	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	3.1	kW	T _j = +12 °C	COP _d	6.60	-
Degradation co-efficient (**)	C _{dh}	0.95	-				
T _j = bivalent temperature	P _{dh}	6.7	kW	T _j = bivalent temperature	COP _d	1.36	-
T _j = operation limit temperature	P _{dh}	4.7	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	6.9	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	1.35	-
Bivalent temperature	T _{biv}	-16	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	P _{sup}	2.6	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	41/56	dB(A)				
Annual energy consumption	Q _{HE}	6507	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	145	%	
Daily electricity consumption	Q _{elec}	5.500	kWh				
Annual electricity consumption	AEC	1203	kWh				

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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SWM80YAA
	Indoor unit:	ERST30D-****
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	138	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	4.8	kW	T _j = - 7 °C	COP _d	3.40	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 2 °C	P _{dh}	3.8	kW	T _j = + 2 °C	COP _d	3.92	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = + 7 °C	P _{dh}	4.5	kW	T _j = + 7 °C	COP _d	5.49	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	3.1	kW	T _j = +12 °C	COP _d	7.38	-
Degradation co-efficient (**)	C _{dh}	0.94	-				
T _j = bivalent temperature	P _{dh}	6.7	kW	T _j = bivalent temperature	COP _d	2.09	-
T _j = operation limit temperature	P _{dh}	4.7	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	6.9	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	2.16	-
Bivalent temperature	T _{biv}	-16	°C	Operation limit temperature	TOL	-25	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	P _{sup}	2.6	kW
Thermostat-off mode	P _{TO}	0.022	kW	Type of energy input Electrical			
Standby mode	P _{SB}	0.022	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2220	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41/56	dB(A)				
Annual energy consumption	Q _{HE}	5083	kWh				

For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	η_{wh}	145	%
Daily electricity consumption	Q _{elec}	5.500	kW/h				
Annual electricity consumption	AEC	1203	kW/h				

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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SWM80YAA
	Indoor unit:	ERST30D-****
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	159	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	8	kW	T _j = + 2 °C	COP _d	1.82	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	5.2	kW	T _j = + 7 °C	COP _d	3.40	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	4.5	kW	T _j = +12 °C	COP _d	5.92	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = bivalent temperature	P _{dh}	1.0	kW	T _j = bivalent temperature	COP _d	0.94	-
T _j = operation limit temperature	P _{dh}	4.7	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	P _{sup}	27.0	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	41/56	dB(A)				
Annual energy consumption	Q _{HE}	2554	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	102	%	
Daily electricity consumption	Q _{elec}	7.700	kW/h				
Annual electricity consumption	AEC	1700	kW/h				

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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):	Outdoor unit:	PUD-SWM80YAA
	Indoor unit:	ERST30D-****
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	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.0	kW	Seasonal space heating energy efficiency	η_s	215	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-				
T _j = + 2 °C	P _{dh}	8	kW	T _j = + 2 °C	COP _d	3.56	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	5.1	kW	T _j = + 7 °C	COP _d	4.90	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	4.7	kW	T _j = +12 °C	COP _d	7.12	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	1.0	kW	T _j = bivalent temperature	COP _d	1.00	-
T _j = operation limit temperature	P _{dh}	4.7	kW	T _j = operation limit temperature	COP _d	1.44	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-25	°C
				Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	P _{sup}	27.0	kW
Thermostat-off mode	P _{TO}	0.022	kW				
Standby mode	P _{SB}	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2220	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	41/56	dB(A)				
Annual energy consumption	Q _{HE}	1879	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	102	%	
Daily electricity consumption	Q _{elec}	7.700	kW/h				
Annual electricity consumption	AEC	1700	kW/h				

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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.