



Product Fiche

Heat pump space heater		EWYE019CZN-A1	EWYE022CZN-A1	EWYE025CZN-A1	EWYE030CZN-A1	EWYE035CZN-A1	EWYE050CZN-A2	EWYE060CZN-A2	EWYE070CZN-A2
Energy Efficiency Class 55°C (Medium temp. application)	-	A+	A+	A+	A++	A++	A+	A+	A+
Energy Efficiency Class 35°C (Low temp. application)	-	A++	A++	A++	A++	A++	A+	A+	A++
Sound power (*)	[dB(A)]	77	77	77	77	77	78	78	78

Average Climate (design temp=-10°C)

Space Heating 55°C	Prated (declared heating capacity) @ -10°C	[kW]	16,7	16,7	16,7	23,8	23,8	42,4	42,4	53,0
	Seasonal space heating efficiency (ηs)	[%]	110%	110%	110%	125,0%	125,0%	110%	110%	117%
	Annual energy consumption	[kWh]	11864,5	11864,5	11864,5	14459,9	14459,9	29527,0	29527,0	34532,7
Space Heating 35°C	Prated (declared heating capacity) @ -10°C	[kW]	16,8	16,8	16,8	24,7	24,7	43,3	43,3	53,1
	Seasonal space heating efficiency (ηs)	[%]	152%	152%	152%	169%	169%	146%	146%	157%
	Annual energy consumption	[kWh]	8946,1	8946,1	8946,1	11857,2	11857,2	24009,3	24009,3	27396,8
Off peak operation function integrated in Heat pump	[Y/N]	N	N	N	N	N	N	N	N	

Colder Climate (design temp=-22°C)

Space Heating 55°C	Prated (declared heating capacity) @ -22°C	[kW]	16,3	16,3	16,3	23,6	23,6	42,0	42,0	52,0
	Seasonal space heating efficiency (ηs)	[%]	93%	93%	93%	110%	110%	97%	97%	106%
	Annual energy consumption	[kWh]	13913,5	13913,5	13913,5	17153,2	17153,2	34576,3	34576,3	39278,0
Space Heating 35°C	Prated (declared heating capacity) @ -22°C	[kW]	16,0	16,0	16,0	23,8	23,8	41,6	41,6	51,4
	Seasonal space heating efficiency (ηs)	[%]	133%	133%	133%	153%	153%	135%	135%	144%
	Annual energy consumption	[kWh]	9750,8	9750,8	9750,8	12599,3	12599,3	24890,5	24890,5	28956,8

Warmer Climate (design temp=2°C)

Space Heating 55°C	Prated (declared heating capacity) @ +2°C	[kW]	16,7	16,7	16,7	24,8	24,8	42,8	42,8	52,2
	Seasonal space heating efficiency (ηs)	[%]	148%	148%	148%	167%	167%	150%	150%	162%
	Annual energy consumption	[kWh]	5931,7	5931,7	5931,7	7796,3	7796,3	14942,2	14942,2	16915,6
Space Heating 35°C	Prated (declared heating capacity) @ +2°C	[kW]	17,1	17,1	17,1	25,0	25,0	43,7	43,7	53,3
	Seasonal space heating efficiency (ηs)	[%]	224%	224%	224%	260%	260%	207%	207%	235%
	Annual energy consumption	[kWh]	4024,7	4024,7	4024,7	5067,6	5067,6	11124,2	11124,2	11962,2

Ecodesign Technical Data

Product Description	Air-to-water heat pump	[Y/N]	Y	Y	Y	Y	Y	Y	Y	Y
	Water-to-water heat pump	[Y/N]	N	N	N	N	N	N	N	N
	Brine-to-water heat pump	[Y/N]	N	N	N	N	N	N	N	N
	Low-temperature heat pump	[Y/N]	N	N	N	N	N	N	N	N
	Equipped with a supplementary heater	[Y/N]	N	N	N	N	N	N	N	N
	Heat pump combination heater	[Y/N]	N	N	N	N	N	N	N	N
Air to water unit	Rated airflow (outdoor)	m ³ /h	9972	11448	11448	19224	22068	29196	33516	38448
Water to water unit	Rated water/brine flow (outdoor H/E)	m ³ /h	NA	NA	NA	NA	NA	NA	NA	NA

Other	Capacity control	-	Variable	Variable	Variable	Variable	Variable	Variable	Variable	Variable
	Poff (Power consumption Off mode)	[kW]	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
	Pto (Power cons Thermostat off mode)	[kW]	0,148	0,148	0,148	0,146	0,146	0,296	0,296	0,289
	Psb (Power consumption Standby mode)	[kW]	0,070	0,070	0,070	0,070	0,070	0,140	0,140	0,140
	PCK (Power crankcase heater model)	[kW]	0,070	0,070	0,070	0,070	0,070	0,140	0,140	0,140
	Qelec (Daily electricity consumption)	[kWh]	NA	NA	NA	NA	NA	NA	NA	NA
	Qfuel (Daily fuel consumption)	[kWh]	NA	NA	NA	NA	NA	NA	NA	NA

Part Load Conditions Space Heating Average Climate, Medium Temperature Application

(A) Condition (-7°C)	Pdh (declared heating capacity)	[kWh]	14,8	14,8	14,8	21,0	21,0	37,6	37,6	46,9
	COPd (declared COP)	-	1,74	1,74	1,74	1,91	1,91	1,73	1,73	1,80
	Cdh (degradation coefficient)	-	-	-	-	-	-	-	-	-
(B) Condition (2°C)	Pdh (declared heating capacity)	[kWh]	9,0	9,0	9,0	13,2	13,2	23,5	23,5	28,7
	COPd (declared COP)	-	2,51	2,51	2,51	2,87	2,87	2,45	2,45	2,68
	Cdh (degradation coefficient)	-	-	-	-	-	-	-	-	-
(C) Condition (7°C)	Pdh (declared heating capacity)	[kWh]	5,9	5,9	5,9	8,3	8,3	14,6	14,6	18,4
	COPd (declared COP)	-	4,34	4,34	4,34	5,00	5,00	4,47	4,47	4,61
	Cdh (degradation coefficient)	-	0,95	1,95	2,95	3,95	4,95	5,95	6,95	7,95
(D) Condition (12°C)	Pdh (declared heating capacity)	[kWh]	2,5	2,5	2,5	3,6	3,6	6,4	6,4	8,0
	COPd (declared COP)	-	5,78	5,78	5,78	6,70	6,70	6,71	6,71	7,05
	Cdh (degradation coefficient)	-	0,94	1,94	2,94	3,94	4,94	5,94	6,94	7,94
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-10°C	-10°C	-10°C	-10°C	-10°C	-10°C	-10°C	-10°C
	Pdh (declared heating capacity)	[kW]	14,3	14,3	14,3	19,8	19,8	35,7	35,7	44,5
	COPd (declared COP)	-	1,58	1,58	1,58	1,74	1,74	1,59	1,59	1,65
	WTOL (Heating water Operation Limit)	[°C]	+70°C	+70°C	+70°C	+70°C	+70°C	+70°C	+70°C	+70°C
(F) Tbiivalent temperature	Tblv	[°C]	-7	-7	-7	-7	-7	-7	-7	-7
	Pdh (declared heating capacity)	[kW]	14,8	14,8	14,8	21,0	21,0	37,6	37,6	46,9
	COPd (declared COP)	-	1,74	1,74	1,74	1,91	1,91	1,73	1,73	1,80
Capacity of the back-up heater integrated in the unit	Psup back-up heater (@Tdesignh: -10°C)	[kW]	2,38	1,87	1,87	2,59	2,59	4,65	4,65	5,81

Energy Labelling Regulation: (EU) 811/2013

Ecodesign Regulation: (EU) 813/2013

Details and precautions on installation, maintenance and assembly can be found in the installation and/or operation manuals.

Energy labels and product fiches for additional combinations, packages and other products can be found on "www.daikinapplied.eu".

(*) Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825.

This data is for comparison of Energy efficiencies according to Energy label regulation (EU) 811/2013, for correct selection of products for your application, contact your dealer.

Depending on your application and the product selected an additional supplementary heater may have to be installed.