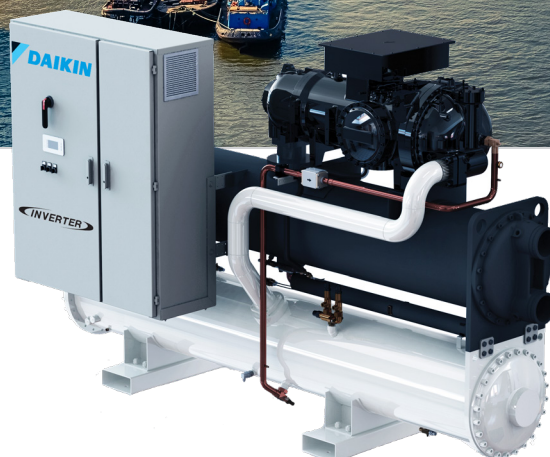


VZ

Water cooled Inverter Chiller



High efficiency chiller
for comfort and process
cooling with R134a or
R1234ze



AHUs

CHILLERS

PROJECTS

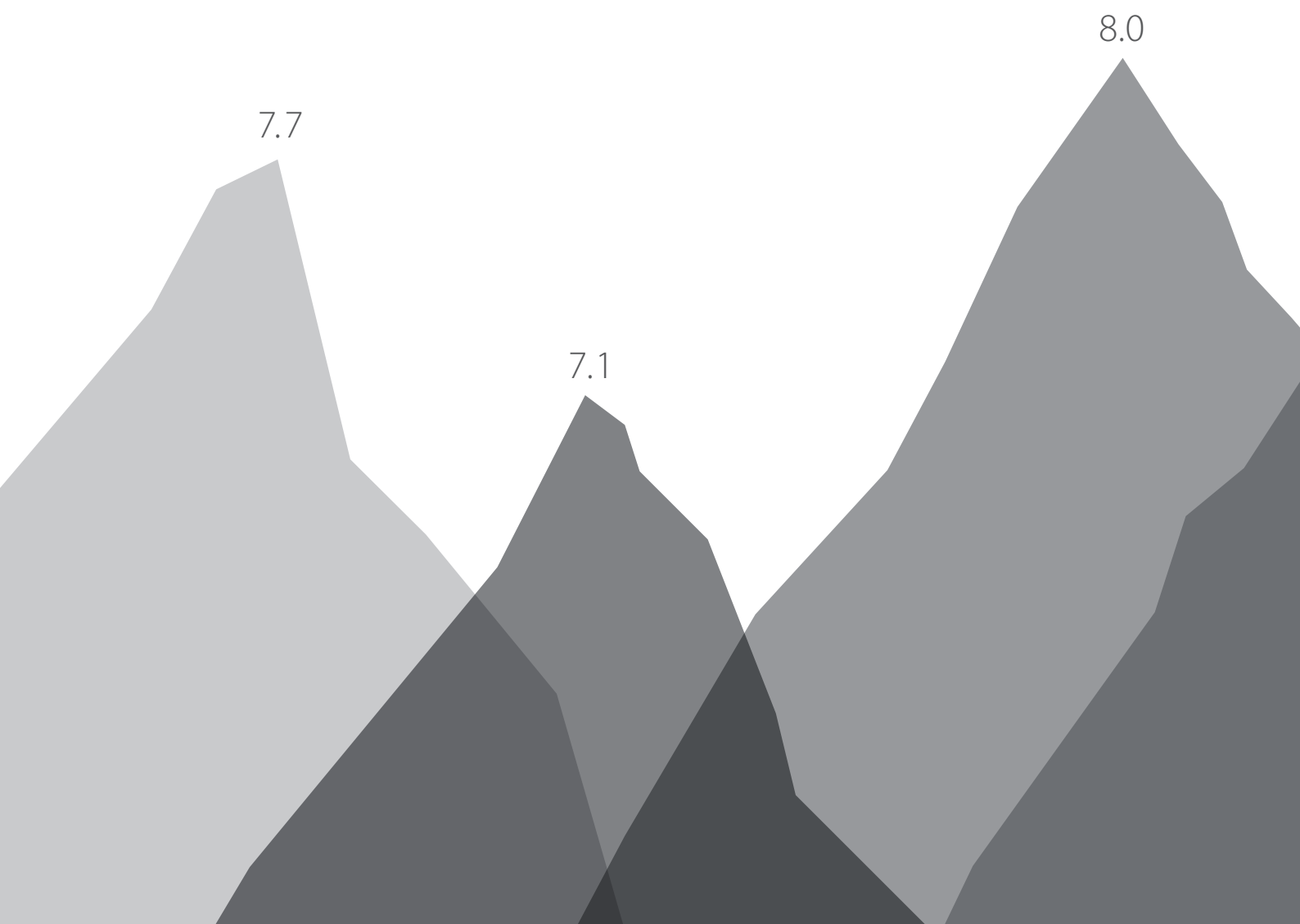
SERVICE



The highest peak in chiller technology

EWWD/EWWH-VZ chiller series

The EWWD/EWWH-VZ chiller series was developed and manufactured to answer the growing market demands for highly efficient chillers.





ESEER ¹
up to 8.7

7.9

Top efficiency ESEER

Thanks to the continuous evolution in components' technology, we are the first to reach the highest peak in chiller efficiency and technology.



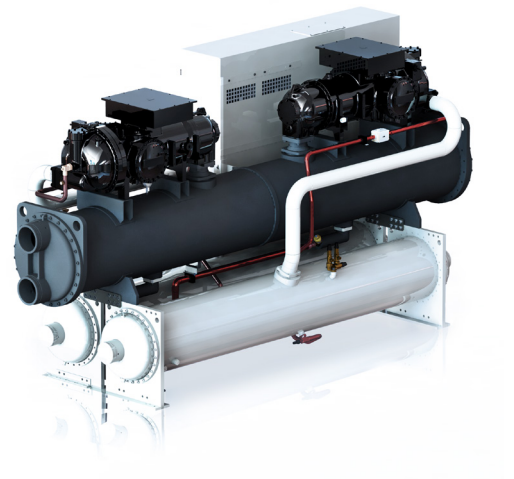
Single compressor

450 kW - 1,053 kW

Dual compressor & dual circuit unit

1,200 kW - 2,100 kW

2 compressors,
2 expansion valves,
2 condensers,...



Full inverter water cooled chiller



Highest efficiency in the market in
its category

Highly efficient flooded heat
exchangers



Unique Daikin Applied Inverter
single screw compressor
technology

New condenser design with
integral oil separator



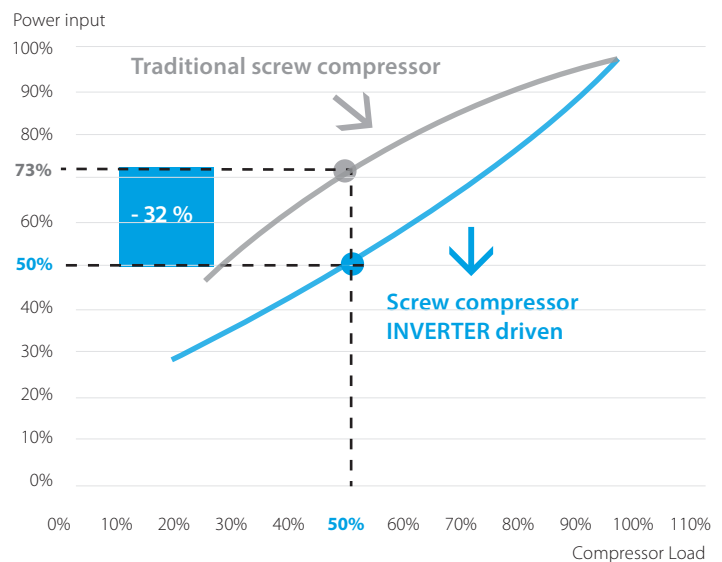


Why choose EWWD/EWWH-VZ chiller series?

1 Top class efficiency: ESEER up to 8.7 – EER up to 5.9

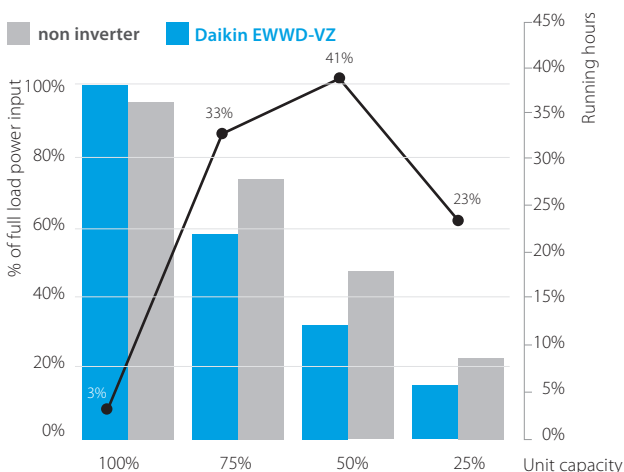
✓ New generation Daikin inverter single screw compressors

Importance of ESEER:
Power consumption significantly reduced at part loads where the machine will run for 97% of the operation hours (Eurovent load profile)



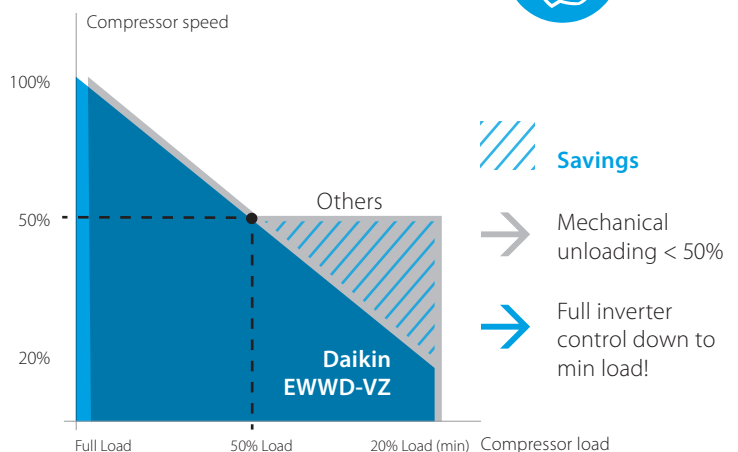
Why choose an inverter chiller?

- › -25% energy consumption
- › -25% CO₂ emissions
- › -25% running costs
- › Return on investment < 2 years vs non-inverter chiller



Why are we better than others?

- › Full inverter capacity control down to 20%
- › No inefficient mechanical unloading slides





✓ New generation high efficiency heat exchangers

- › Flooded type technology allowing maximizing unit performances
- › Latest technology enhanced surface tubes

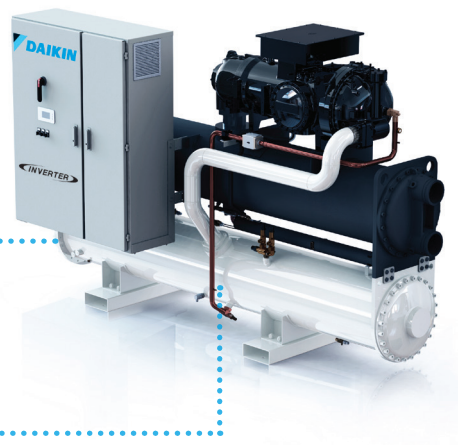
Evaporator tubes:

- › Outside: Cavities for optimized nucleate boiling
- › Inside: Helical structure



Condenser tubes:

- › Outside: Optimized for condensation
- › Inside: Helical structure



✓ Optimized design

Pressure drops reduced by half

- › meaning 1°C lower condensing temperature
- › + 3.5 % efficiency



Did you know that you can maximize your BREEAM and programme score and LEED green building programme score with the Daikin HVAC solutions?

2 Refrigerants: Be ready for the future!



R-134a refrigerant:

- › No phase out planned in F-GAS regulation.
- › Classified as non flammable

R-1234ze refrigerant:

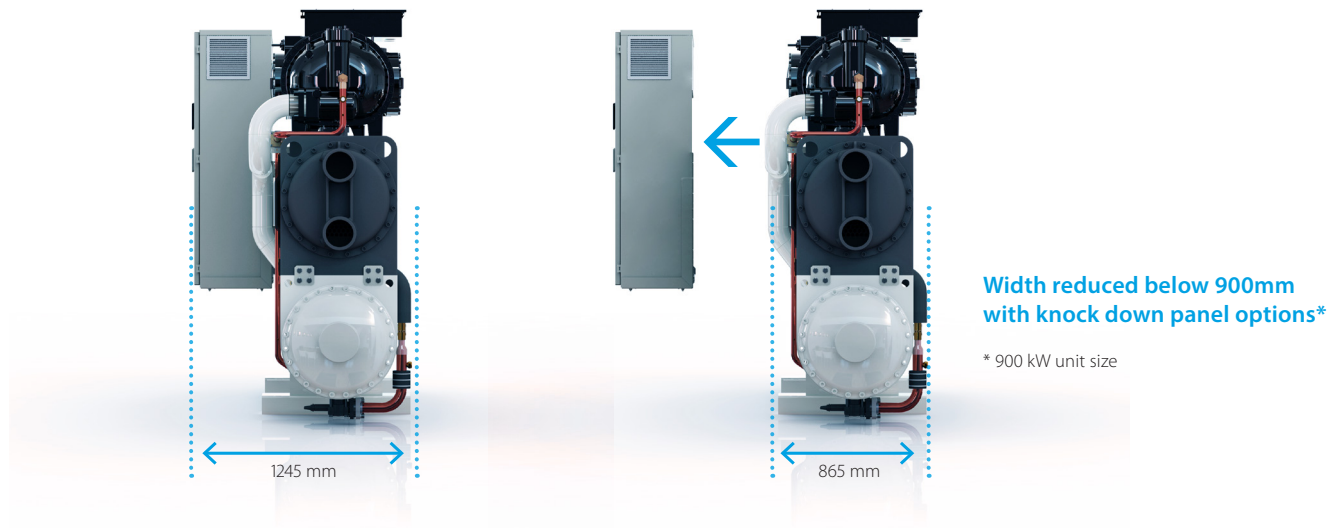
- › Low GWP refrigerant solution

All VZ units are 'new refrigerant ready'!

Possibility to retrofit them in the future with lower GWP refrigerants (HFO blends).

3 Compact unit

› Small footprint, ideal for installation through existing doorways



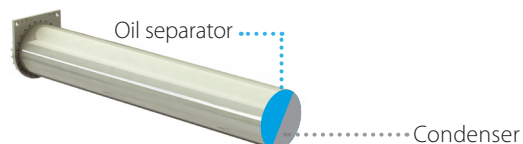
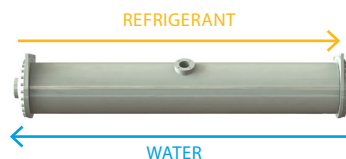
40 % footprint reduction in comparison to traditional water cooled series thanks to:

1. New single pass condenser technology

- High heat exchange performances thanks to counterflow design
- Low water pressure drops < 30 kPa

2. New integrated oil separator technology

- Low oil carry over
- Low refrigerant pressure drops



4 Application flexibility

Widest operating envelope in its range:
The large operation range makes this chiller ideal for a variety of applications:



Evaporator Water down to -12°C

Condenser water (°C)

Heat pump

Brine/Ice storage

Comfort

Data center

Evaporator water (°C)

Up to 75°C hot water production and with optimized efficiencies



Widest operating envelope in its category... not only for comfort cooling

Evaporator Water up to +20°C

5 Connectivity - Daikin on Site

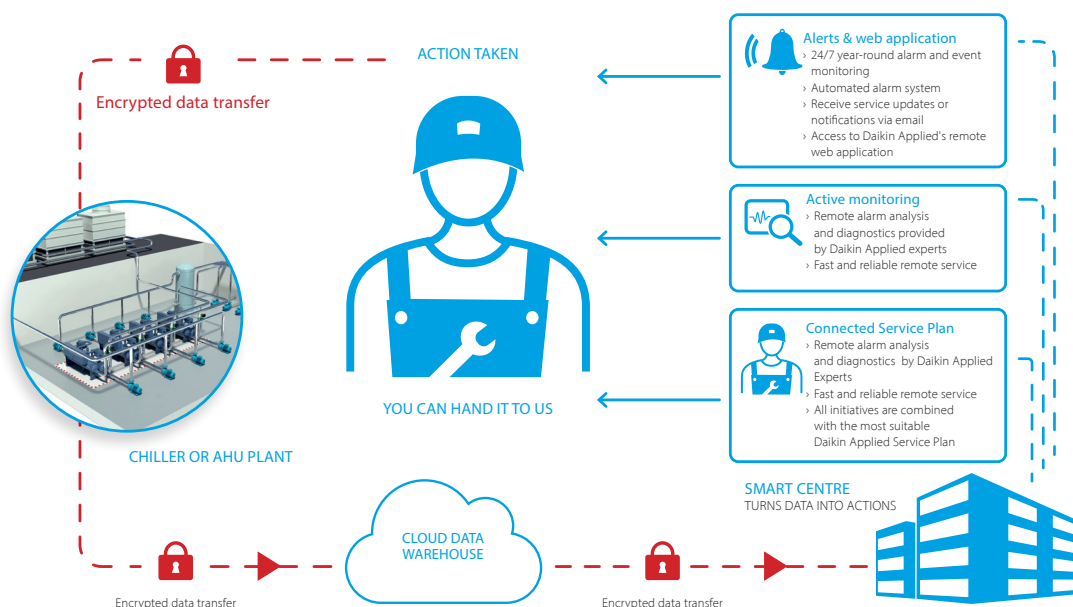
What is Daikin on Site?

Daikin on Site (DOS) is a web-based 24/7 remote monitoring system that collects complex operational data from the AHU or chiller control system.

Daikin's Smart Centre turns the operational data into useful information that allows the user to remotely monitor performance. It also allows Daikin professionals to remotely optimise and maintain the equipment.

Main benefits of DoS

- › Remote diagnostic support from Daikin experts
- › Enhanced reliability and reduced system downtime
- › Optimised energy efficiency and reduced operational costs over the systems lifetime
- › Insight into operational data to optimise the use of equipment via Trend Analysis



Cloud technology to hand

Remote maintenance allows your system to be accessed using any web-compatible devices any time and anywhere using cloud technology. Process data is collected automatically in real time and stored centrally.



Insight into operational data for enhanced control and reliability

Through enhanced operational data, Daikin engineers are able to remotely monitor system performance, run diagnostics and software upgrades. If an on-site visit is required, the service engineer will arrive already informed of the issue, reducing system downtime.



Simple, effective connection

Most Daikin Applied Chiller and AHU controllers have a built-in IP interface. This allows connection for remote monitoring either through LAN or with wireless modem communication.



High security

Secure in all aspects such as data privacy, data storage security and data transport.

- › All connections are encrypted (HTTPS) to prevent wiretapping and man-in-the-middle (MITM) attacks
- › CSA security attestation
- › Data privacy conforming to EU data privacy regulations
- › Geo-redundant data storage in Northern Europe

Technical Specifications - Standard efficiency, standard sound

R-134a

EWWD-VZSS

Cooling capacity	Nom. (kW)	610	704	757	894	1,039	1,173	1,288	1,381	1,552	1,722	1,876	2,051
Capacity control		Variable											
Minimum capacity	(%)	20	20	20	20	20	10	10	10	10	10	10	10
Cooling Power input	Nom. (kW)	110	132	142	162	196	231	252	276	315	339	380	404
EER		5.5	5.31	5.3	5.52	5.29	5.07	5.11	5	4.93	5.08	4.93	5.08
ESEER		7.62	7.5	7.63	7.54	7.52	7.86	7.81	7.9	7.46	7.99	7.49	7.95
IPLV		9.43	9.36	9.4	9.37	9.4	9.52	9.56	9.57	9.36	9.7	9.38	9.65
SEER		8.7	8.7	8.63	8.49	8.5	8.63	8.49	8.48	8.22	8.67	8.25	8.67
ηs,c	(%)	340	340	337.2	331.6	332	337.2	331.6	331.2	320.8	338.8	322	338.8
Dimensions	Depth (mm)	3,722	3,750	3,750	3,690	3,822	4,792	4,792	4,792	4,792	4,508	4,508	4,750
	Height (mm)	2,123	2,123	2,123	2,292	2,487	2,296	2,296	2,296	2,296	2,350	2,338	2,498
	Width (mm)	1,178	1,179	1,179	1,233	1,303	1,484	1,487	1,487	1,484	1,580	1,627	1,753
Weight	Shipping (kg)	2,892	2,928	2,941	3,451	4,237	5,570	5,790	5,820	6,220	6,890	7,260	8,260
	Operating (kg)	2,977	3,033	3,053	3,611	4,488	5,980	6,220	6,290	6,690	7,480	7,830	9,070
Water heat exchanger	Evaporator (Type)	Flooded shell and tube											
Water volume	l	88	88	96	134	156	230	230	270	270	320	320	380
Water flow rate	Nom. (l/s)	29.2	33.8	36.3	42.9	49.9	56.2	61.7	66.1	74.4	82.5	89.9	98.2
Water pressure drop	Nom (kPa)	79	106	88	98	102	69	84	70	89	78	92	80
Water heat exchanger	Condenser (Type)	Shell and tube											
Water volume	l	81	102	102	126	217	180	200	200	200	270	250	430
Water flow rate	Nom. (l/s)	35.3	41	44.1	51.9	60.6	69.1	75.8	81.5	91.9	101	111	120
Water pressure drop	Nom (kPa)	31	29	33	29	33	44	39	45	66	42	55	37
Compressor	(Type)	Inverter Driven Compressor											
Sound power level	(dBA)	101	105	105	105	107	106	106	107	107	108	108	110
Sound pressure level	(dBA)	82	86	86	86	88	87	87	88	88	89	89	90
Refrigerant	(Type)	R-134a											
Charge Quantity	9kg	100	110	110	170	180	250	260	290	290	320	320	350
No. of Circuits		1	1	1	1	1	2	2	2	2	2	2	2
Piping connections	Evaporator water inlet/outlet (mm)	139.7	139.7	139.7	168.3	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1
	Condenser water inlet/outlet (mm)	168.3	168.3	168.3	219.1	219.1	168.3 / 168.3	168.3 / 168.3	168.3 / 168.3	168.3 / 168.3	219.1 / 219.1	219.1 / 219.1	219.1 / 219.1
Unit Running current in Cooling	Nom. (A)	171	202	220	249	300	349	379	414	470	508	566	604

R-1234ze

EWWH-VZSS

Cooling capacity	Nom. (kW)	443	512	549	658	768	865	941	1,012	1,142	1,271	1,396	1,525
Capacity control		Variable											
Minimum capacity	(%)	20	20	20	20	20	10	10	10	10	10	10	10
Cooling Power input	Nom. (kW)	82.8	98.1	107	123	149	172	188	205	235	254	282	302
EER		5.35	5.22	5.15	5.34	5.14	5.02	5	4.93	4.87	5.01	4.95	5.04
ESEER		7.98	7.83	7.9	8.03	7.99	7.93	7.95	8.12	8	8.46	8	8.48
IPLV		9.25	9.25	9.24	9.48	9.32	8.94	9.08	9.13	9.14	9.3	9.13	9.34
SEER		8.61	8.66	8.62	8.91	8.83	8.16	8.38	8.69	8.48	8.7	8.84	9.03
ηs,c	(%)	336.4	338.4	336.8	348.4	345.2	318.4	327.2	339.6	331.2	340	345.6	353.2
Dimensions	Depth (mm)	3,722	3,750	3,750	3,690	3,822	4,792	4,792	4,792	4,792	4,508	4,508	4,750
	Height (mm)	2,123	2,123	2,123	2,292	2,487	2,296	2,296	2,296	2,296	2,350	2,338	2,498
	Width (mm)	1,178	1,179	1,179	1,233	1,303	1,484	1,487	1,487	1,484	1,580	1,627	1,753
Weight	Shipping (kg)	2,892	2,928	2,941	3,451	4,237	5,570	5,790	5,820	6,220	6,890	7,260	8,260
	Operating (kg)	2,977	3,033	3,053	3,611	4,488	5,980	6,220	6,290	6,690	7,480	7,830	9,070
Water heat exchanger	Evaporator (Type)	Flooded - Shell and Tube											
Water volume	l	88	88	96	134	156	230	230	270	270	320	320	380
Water flow rate	Nom. (l/s)	21.2	24.5	26.2	31.5	36.8	41.4	45	48.4	54.6	60.8	66.8	72.9
Water pressure drop	Nom (kPa)	46	61	52	59	64	39	46	39	50	44	53	45
Water heat exchanger	Condenser (Type)	Shell and tube											
Water volume	l	81	102	102	126	217	180	200	200	200	270	250	430
Water flow rate	Nom. (l/s)	25.5	29.6	31.8	38.1	44.8	50.3	54.8	59	66.8	74	81.4	88.7
Water pressure drop	Nom (kPa)	19	17	20	19	17	25	22	25	38	25	32	18
Compressor	(Type)	Inverter Driven Compressor											
Sound power level	(dBA)	101	105	105	105	107	106	106	107	107	108	108	110
Sound pressure level	(dBA)	82	86	86	86	88	87	87	88	88	89	89	90
Refrigerant	(Type)	R-1234(ze)											
Charge Quantity	9kg	100	110	110	170	180	250	260	290	290	320	320	350
No. of Circuits		1	1	1	1	1	2	2	2	2	2	2	2
Piping connections	Evaporator water inlet/outlet (mm)	139.7	139.7	139.7	168.3	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1
	Condenser water inlet/outlet (mm)	168.3	168.3	168.3	219.1	219.1	168.3 / 168.3	168.3 / 168.3	168.3 / 168.3	168.3 / 168.3	219.1 / 219.1	219.1 / 219.1	219.1 / 219.1
Unit Running current in Cooling	Nom. (A)	131.0	153.0	167.0	188.0	227.0	264.0	287.0	312.0	353.0	385.0	426.0	458.0

(1) All the performances (Cooling capacity, unit power input in cooling and EER) are based on the following conditions: evaporator 12.0/7.0°C; condenser 30/35.0°C, unit at full load operation, operating fluid: water, fouling factor = 0 | Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.

Technical specifications - High efficiency, standard sound

R-134a

EWWD-VZXS

Cooling capacity	Nom. (kW)	449	501	613	713	794	901	1,053	1,194	1,305	1,407	1,593	1,748	1,912	2,074
Capacity control		Variable													
Minimum capacity	(%)	20	20	20	20	20	20	20	10	10	10	10	10	10	10
Cooling Power input	Nom. (kW)	81.2	89.7	108	128	146	159	192	221	244	262	296	329	365	394
EER		5.53	5.58	5.64	5.54	5.43	5.67	5.46	5.38	5.34	5.36	5.38	5.31	5.23	5.25
ESEER		7.51	7.92	8.1	8.2	8.22	7.92	8.17	8.36	8.25	8.47	8.24	8.45	8.2	8.33
IPLV		9.42	9.59	9.52	9.66	9.64	9.48	9.58	9.66	9.67	9.76	9.74	9.82	9.68	9.7
SEER		8.32	8.43	8.88	8.95	8.84	8.64	8.81	8.89	8.76	8.9	8.88	8.89	8.63	8.81
ηs,c	(%)	324.8	329.2	347.2	350	345.6	337.6	344.4	347.6	342.4	348	347.2	347.6	337.2	344.4
Dimensions	Depth (mm)	3,722	3,722	3,750	3,690	3,690	3,822	3,822	4,792	4,792	4,508	4,508	4,750	4,874	4,874
	Height (mm)	2,135	2,135	2,123	2,235	2,235	2,487	2,487	2,296	2,296	2,301	2,350	2,500	2,469	2,493
	Width (mm)	1,178	1,178	1,179	1,189	1,189	1,303	1,303	1,484	1,639	1,579	1,580	1,610	1,704	1,769
Weight	Shipping (kg)	2,968	2,911	3,102	3,470	3,451	4,257	4,552	5,860	6,240	6,520	6,920	7,530	7,790	8,670
	Operating (kg)	3,098	3,006	3,274	3,648	3,611	4,518	4,860	6,370	6,760	7,130	7,530	8,300	8,560	9,630
Water heat exchanger	Evaporator (Type)	Flooded shell and tube													
Water volume	l	70	88	136	134	134	168	199	270	270	320	320	380	480	480
Water flow rate	Nom. (l/s)	21.5	24	29.3	34.1	38	43.2	50.4	57.1	62.5	67.3	76.3	83.6	91.4	99.2
Water pressure drop	Nom (kPa)	89	63	59	63	55	67	59	52	62	52	67	58	49	58
Water heat exchanger	Condenser (Type)	Shell and tube													
Water volume	l	81	92	126	145	126	217	241	240	250	290	290	390	290	480
Water flow rate	Nom. (l/s)	26.4	29.4	35.3	41.2	46.1	52	61	69.8	76.3	82.2	93.2	102	112	121
Water pressure drop	Nom (kPa)	31	28	22	20	24	25	25	28	28	21	32	27	37	28
Compressor	(Type)	Inverter Driven Compressor													
Sound power level	(dBA)	97	99	101	105	105	105	107	106	106	107	107	108	109	110
Sound pressure level	(dBA)	78	80	82	86	86	86	88	87	87	88	88	89	89	90
Refrigerant	(Type)	R-134a													
Charge Quantity	9kg)	95	95	100	110	170	170	180	250	260	290	290	320	320	350
No. of Circuits		1	1	1	1	1	1	1	2	2	2	2	2	2	2
Piping connections	Evaporator water inlet/outlet (mm)	139.7	139.7	139.7	168.3	168.3	219.1	219.1	219.1	219.1	219.1	219.1	219.1	273	273
	Condenser water inlet/outlet (mm)	168.3	168.3	219.1	219.1	219.1	219.1	219.1	168.3 / 219.1	219.1 / 219.1	219.1 / 219.1	219.1 / 219.1	219.1 / 219.1	219.1 / 219.1	219.1 / 219.1
Unit Running current in Cooling	Nom. (A)	126	140	171	201	229	249	299	340	372	400	450	498	554	596

R-1234ze

EWWH-VZXS

Cooling capacity	Nom. (kW)	329	365	448	521	579	665	788	877	952	1,029	1,169	1,288	1,422	1,540
Capacity control		Variable													
Minimum capacity	(%)	20	20	20	20	20	20	20	10	10	10	10	10	10	10
Cooling Power input	Nom. (kW)	60.5	66.6	81	96	109	121	147	168	185	198	224	248	276	298
EER		5.44	5.48	5.53	5.42	5.29	5.49	5.37	5.23	5.16	5.19	5.22	5.19	5.16	5.16
ESEER		7.14	7.56	8.32	8.32	8.34	8.46	8.55	8.26	8.26	8.5	8.54	8.81	8.61	8.72
IPLV		8.51	8.79	9.46	9.51	9.47	9.63	9.65	9.19	9.27	9.46	9.37	9.52	9.23	9.5
SEER		7.6	7.88	8.79	8.88	8.78	9.1	9.06	8.35	8.55	8.87	8.87	8.87	9.15	9.12
ηs,c	(%)	296	307.2	343.6	347.2	343.2	356	354.4	326	334	346.8	346.8	346.8	358	356.8
Dimensions	Depth (mm)	3,722	3,722	3,750	3,690	3,690	3,822	3,822	4,792	4,792	4,508	4,508	4,750	4,874	4,874
	Height (mm)	2,135	2,135	2,123	2,235	2,235	2,487	2,487	2,296	2,296	2,301	2,350	2,500	2,469	2,493
	Width (mm)	1,178	1,178	1,179	1,189	1,189	1,303	1,303	1,484	1,639	1,579	1,580	1,610	1,704	1,769
Weight	Shipping (kg)	2,968	2,911	3,102	3,470	3,451	4,257	4,552	5,860	6,240	6,520	6,920	7,530	7,790	8,670
	Operating (kg)	3,098	3,006	3,274	3,648	3,611	4,518	4,860	6,370	6,760	7,130	7,530	8,300	8,560	9,630
Water heat exchanger	Evaporator (Type)	Flooded - Shell and Tube													
Water volume	l	70	88	136	134	134	168	199	270	270	320	320	380	480	480
Water flow rate	Nom. (l/s)	15.8	17.5	21.4	24.9	27.7	31.8	37.7	41.9	45.5	49.1	55.9	61.6	67.9	73.6
Water pressure drop	Nom (kPa)	54	38	35	37	31	39	36	29	34	28	37	32	28	33
Water heat exchanger	Condenser (Type)	Shell and tube													
Water volume	l	81	92	126	145	126	217	241	240	250	290	290	390	290	480
Water flow rate	Nom. (l/s)	18.9	20.9	25.7	30	33.5	38.4	45.7	50.7	55.1	59.6	67.6	74.6	82.3	89.3
Water pressure drop	Nom (kPa)	19	16	13	12	15	13	16	16	16	13	19	16	23	16
Compressor	(Type)	Inverter Driven Compressor													
Sound power level	(dBA)	97	99	101	105	105	105	107	106	106	107	107	108	109	110
Sound pressure level	(dBA)	78	80	82	86	86	86	88	87	87	88	88	89	89	90
Refrigerant	(Type)	R-1234(ze)													
Charge Quantity	9kg)	95	95	100	110	170	170	180	250	260	290	290	320	320	350
No. of Circuits		1	1	1	1	1	1	1	2	2	2	2	2	2	2
Piping connections	Evaporator water inlet/outlet (mm)	139.7	139.7	139.7	168.3	168.3	219.1	219.1	219.1	219.1	219.1	219.1	219.1	273	273
	Condenser water inlet/outlet (mm)	168.3	168.3	219.1	219.1	219.1	219.1	219.1	168.3 / 219.1	219.1 / 219.1	219.1 / 219.1	219.1 / 219.1	219.1 / 219.1	219.1 / 219.1	219.1 / 219.1
Unit Running current in Cooling	Nom. (A)	96.0	106.0	129.0	151.0	173.0	187.0	226.0	259.0	284.0	304.0	341.0	379.0	421.0	454.0

(1) All the performances (Cooling capacity, unit power input in cooling and EER) are based on the following conditions: evaporator 12.0/7.0°C; condenser 30/35.0°C, unit at full load operation, operating fluid: water, fouling factor = 0 | Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.

Technical Specifications - Premium efficiency, standard sound

R-134a

EWWD-VZPS

Cooling capacity	Nom. (kW)	505	718	908	1,201	1,604	1,757
Capacity control		Variable					
Minimum capacity	(%)	20	20	20	10	10	10
Cooling Power input	Nom. (kW)	85.1	124	153	218	291	326
EER		5.93	5.77	5.91	5.49	5.5	5.39
ESEER		8.15	8.48	8.25	8.66	8.53	8.71
IPLV		9.61	9.68	9.57	9.79	9.82	9.92
SEER		8.69	9.08	8.81	9.04	9.05	8.95
ηs,c	(%)	339.6	355.2	344.4	353.6	354	350
Dimensions	Depth (mm)	3,750	3,822	3,822	4,508	4,750	4,874
	Height (mm)	2,108	2,430	2,487	2,302	2,500	2,493
	Width (mm)	1,179	1,287	1,303	1,579	1,610	1,769
Weight	Shipping (kg)	3,247	4,082	4,346	6,310	7,530	8,250
	Operating (kg)	3,375	4,349	4,660	6,900	8,300	9,200
Water heat exchanger	Evaporator (Type)	Flooded shell and tube					
Water volume	l	96	168	199	320	380	480
Water flow rate	Nom. (l/s)	24.2	34.3	43.4	57.4	76.7	84
Water pressure drop	Nom (kPa)	55	42	44	38	49	41
Water heat exchanger	Condenser (Type)	Shell and tube					
Water volume	l	126	217	241	270	390	470
Water flow rate	Nom. (l/s)	29.4	41.3	52.1	69.9	93.4	102
Water pressure drop	Nom (kPa)	16	17	19	21	21	28
Compressor	(Type)	Inverter Driven Compressor					
Sound power level	(dBA)	99	105	105	106	107	109
Sound pressure level	(dBA)	80	86	86	87	88	89
Refrigerant	(Type)	R-134a					
Charge Quantity	9kg)	100	150	180	290	320	350
No. of Circuits		1	1	1	2	2	2
Piping connections	Evaporator water inlet/outlet (mm)	139.7	219.1	219.1	219.1	219.1	273
	Condenser water inlet/outlet (mm)	219.1	219.1	219.1	219.1 / 219.1	219.1 / 219.1	219.1 / 219.1
Unit Running current in Cooling	Nom. (A)	138	200	247	338	447	497

R-1234ze

EWWH-VZPS

Cooling capacity	Nom. (kW)	369	525	677	884	1,180	1,295
Capacity control		Variable					
Minimum capacity	(%)	20	20	20	10	10	10
Cooling Power input	Nom. (kW)	64.7	94.9	119	166	221	247
EER		5.71	5.53	5.67	5.34	5.35	5.25
ESEER		7.9	8.64	8.83	8.54	8.85	9
IPLV		9.13	9.68	9.96	9.37	9.56	9.61
SEER		8.12	9.02	9.29	8.56	9.01	8.92
ηs,c	(%)	316.8	352.8	363.6	334.4	352.4	348.8
Dimensions	Depth (mm)	3,750	3,822	3,822	4,508	4,750	4,874
	Height (mm)	2,108	2,430	2,487	2,302	2,500	2,493
	Width (mm)	1,179	1,287	1,303	1,579	1,610	1,769
Weight	Shipping (kg)	3,247	4,082	4,346	6,310	7,530	8,250
	Operating (kg)	3,375	4,349	4,660	6,900	8,300	9,200
Water heat exchanger	Evaporator (Type)	Flooded - Shell and Tube					
Water volume	l	96	168	199	320	380	480
Water flow rate	Nom. (l/s)	17.7	25.1	32.3	42.2	56.4	61.9
Water pressure drop	Nom (kPa)	32	25	27	20	26	23
Water heat exchanger	Condenser (Type)	Shell and tube					
Water volume	l	126	217	241	270	390	470
Water flow rate	Nom. (l/s)	21.1	30.1	38.9	50.9	68	74.9
Water pressure drop	Nom (kPa)	9	9	12	13	12	16
Compressor	(Type)	Inverter Driven Compressor					
Sound power level	(dBA)	99	105	105	106	107	109
Sound pressure level	(dBA)	80	86	86	87	88	89
Refrigerant	(Type)	R-1234(ze)					
Charge Quantity	9kg)	100	150	180	290	320	350
No. of Circuits		1	1	1	2	2	2
Piping connections	Evaporator water inlet/outlet (mm)	139.7	219.1	219.1	219.1	219.1	273
	Condenser water inlet/outlet (mm)	219.1	219.1	219.1	219.1 / 219.1	219.1 / 219.1	219.1 / 219.1
Unit Running current in Cooling	Nom. (A)	104.0	150.0	185.0	257.0	338.0	378.0

(1) All the performances (Cooling capacity, unit power input in cooling and EER) are based on the following conditions: evaporator 12.0/7.0°C; condenser 30/35.0°C; unit at full load operation, operating fluid: water, fouling factor = 0 | Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.

Service & Maintenance

Daikin Applied Service offers maintenance, repairs and support on ALL brands of HVAC systems and applied system solutions; covering air handling units, chillers, split air conditioning, VRV and heat pumps.

Service capabilities

- › Flexible maintenance contracts tailored to your business needs
- › Maintenance of ALL brands of HVAC equipment
- › 24/7 emergency call out service
- › Up to four hour response time
- › Qualified site service engineers (F-Gas Registered)
- › Remote monitoring with Daikin On Site (DOS)
- › On site training for front-line personnel
- › Tailored Service Level Agreement (SLA)
- › Full chiller running logs taken on every service visit
- › Comprehensive spare parts availability & support on all brands
- › Retrofitting & refurbishment

Benefits of a maintained system

- › Lower operation costs and energy usage
- › Extended life-cycle of assets
- › Fast and reliable remote diagnostics with Daikin On Site
- › Reduced equipment downtime and costly repairs
- › Improved indoor air quality

	Service Packages	BUSINESS Saver	BUSINESS Standard	BUSINESS Plus
Conforms to SFG20 maintenance standard	✓	✓	✓	✓
F-Gas leak test	✓	✓	✓	✓
Unit controller set points, safeties and running conditions logged	✓	✓	✓	✓
Equipment condition report	✓	✓	✓	✓
Four visits per annum (1 major / 3 minor)		✓		
Calibration of all sensors, probes and safety switches		✓	✓	✓
System Diagnostics		✓	✓	✓
Oil Analysis			●	✓
Thermography	✓	●	●	●
Multi-site visits & bespoke offering				●
Daikin on Site remote monitoring				●
1 point vibration analysis				●
System water analysis				●
Condenser coil cleaning				●



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