

30XW-P ZE

Nominal cooling capacity 270 - 1100 kW

NEW

30XW-V ZE

Nominal cooling capacity 440 - 1320 kW



AQUAFORCE
PUREtec

Carrier at the forefront of innovative technology

HFO R-1234ze

Long-term refrigerant choice

Nearly zero global warming potential

Zero impact on the ozone layer

Support HFC phase-down plan in Europe

Carrier has been working over the past years on selecting the right refrigerant for the future and has now taken the lead in introducing the next generation of refrigerants on screw units : PUREtec™. With PUREtec, Carrier offers a range of new customized solutions using a refrigerant with zero impact on the ozone layer and nearly zero global warming potential: HFO R-1234ze.

All the reliability, efficiency, adaptability of the AquaForce range combined with PUREtec refrigerant: HFO R-1234ze

PUREtec

Physical data

30XW-P ZE			30XW-P ZE0301	30XW-P ZE0401	30XW-P ZE0451	30XW-P ZE0551	30XW-P ZE0601
Cooling							
Performance Information							
Cooling Capacity*	kW		273	387	438	560	598
Cooling Efficiency	EER	kW/kW	5,31	5,79	5,71	5,90	5,69
Seasonal Efficiency	ESEER	kW/kW	5,69	6,21	6,26	6,54	6,36
Number of Refrigerant Circuit	--		1	1	1	1	1
Operating/Shipping Weight	kg		2072/1953	2981/2763	3020/2802	3912/3593	3947/3628
Unit Dimensions	LxWxH	mm	2724/927 /1617	3059/936/ 1743	3059/936/ 1743	3290/1065/ 1950	3290/1070/ 1950
Electrical Information							
Unit Voltage:	V-Ph-Hz		400(+/-10%) -3-50	400(+/-10%) -3-50	400(+/-10%) -3-50	400(+/-10%) -3-50	400(+/-10%) -3-50
Standby Power:	kW		0,05	0,05	0,05	0,05	0,05
Power Factor:	--		0,88	0,90	0,90	0,90	0,90
Amps (Un)							
Circuit 1							
Maximum Current	A		130	176	196	239	263
Start Up Current	A		303	414	414	587	587
Current at Eurovent Conditions	A		87	109	123	146	162
Circuit 2							
Maximum Current	A		--	--	--	--	--
Start Up Current	A		--	--	--	--	--
Current at Eurovent Conditions	A		--	--	--	--	--

30XW-P ZE			30XW-P ZE0651	30XW-P ZE0801	30XW-P ZE0901	30XW-P ZE1001	30XW-P ZE1101
Cooling							
Performance Information							
Cooling Capacity*	kW		654	789	879	1005	1103
Cooling Efficiency	EER	kW/kW	5,73	5,80	5,85	5,88	5,66
Seasonal Efficiency	ESEER	kW/kW	6,29	6,87	6,97	6,78	6,49
Number of Refrigerant Circuit	--		1	2	2	2	2
Operating/Shipping Weight	kg		3965/3646	6872/6218	6950/6296	7542/6682	7752/6892
Unit Dimensions	LxWxH	mm	3290/1070/ 1950	4795/1039/ 1997	4795/1039/ 1997	4730/1162/ 2051	4730/1162/ 2051
Electrical Information							
Unit Voltage:	V-Ph-Hz		400(+/-10%) -3-50	400(+/-10%) -3-50	400(+/-10%) -3-50	400(+/-10%) -3-50	400(+/-10%) -3-50
Standby Power:	kW		0,05	0,05	0,05	0,05	0,05
Power Factor:	--		0,82	0,89	0,90	0,90	0,90
Amps (Un)							
Circuit 1							
Maximum Current	A		284	176	196	239	239
Start Up Current	A		587	414	414	587	587
Current at Eurovent Conditions	A		176	109	123	146	146
Circuit 2							
Maximum Current	A		--	176	196	196	239
Start Up Current	A		--	414	414	414	587
Current at Eurovent Conditions	A		--	109	123	123	146

* Cooling mode conditions: Evaporator water heat exchanger, entering/leaving water temperature 12°C/7°C, fouling factor 0 m² K/W. Condenser water heat exchanger, entering/leaving water temperature 30°C/35°C, fouling factor 0m² K/W.

All performances are compliant with EN14511-3 : 2013. Sound power level according to ISO9614-1.

Unit is outside of the scope of AHRI Water-Cooled Water Chilling Packages Using Vapor Compression Cycle Certification Program, but is rated in accordance with AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI).

Preliminary product data for information only. Final product data will be submitted by Carrier to Eurovent company during 2016.

Physical data

30XW-V ZE

30XW-V
ZE0451

30XW-V
ZE0501

30XW-V
ZE0601

30XW-V
ZE0651

30XW-V
ZE0851

Cooling

Performance Information

Cooling Capacity*	kW	446	496	617	652	866
Cooling Efficiency	EER kW/kW	5,51	5,38	5,32	5,14	5,52
Seasonal Efficiency	ESEER kW/kW	7,96	7,75	8,20	7,92	7,95
Number of Refrigerant Circuit	--	1	1	1	1	2
Operating/Shipping Weight	kg	3152/2934	3190/2972	4157/3838	4161/3842	7417/6763
Unit Dimensions	LxWxH mm	3059/1087/ 1743	3059/1087/ 1743	3290/1137/ 1948	3290/1137/ 1948	4730/1165/ 1997

Electrical Information

Unit Voltage:	V-Ph-Hz	400(+/-10%) -3-50	400(+/-10%) -3-50	400(+/-10%) -3-50	400(+/-10%) -3-50	400(+/-10%) -3-50
Standby Power:	kW	0,05	0,05	0,05	0,05	0,05
Power Factor:	--	0,92	0,92	0,92	0,92	0,92

Amps (Un)

Circuit 1

Maximum Current	A	185	234	269	297	185
Start Up Current	A	<RLA	<RLA	<RLA	<RLA	<RLA
Current at Eurovent Conditions	A	132	152	182	201	132

Circuit 2

Maximum Current	A	--	--	--	--	185
Start Up Current	A	--	--	--	--	<RLA
Current at Eurovent Conditions	A	--	--	--	--	132

30XW-V ZE

30XW-V
ZE1001

30XW-V
ZE1101

30XW-V
ZE1201

30XW-V
ZE1301

Cooling

Performance Information

Cooling Capacity*	kW	992	1110	1219	1323
Cooling Efficiency	EER kW/kW	5,57	5,45	5,11	5,01
Seasonal Efficiency	ESEER kW/kW	7,74	7,45	7,29	6,99
Number of Refrigerant Circuit	--	2	2	2	2
Operating/Shipping Weight	kg	7493/6839	7671/7017	7872/7218	7910/7256
Unit Dimensions	LxWxH mm	4730/1165/ 1997	4730/1255/ 2051	4730/1255/ 2051	4730/1255/ 2051

Electrical Information

Unit Voltage:	V-Ph-Hz	400(+/-10%) -3-50	400(+/-10%) -3-50	400(+/-10%) -3-50	400(+/-10%) -3-50
Standby Power:	kW	0,05	0,05	0,05	0,05
Power Factor:	--	0,92	0,92	0,92	0,92

Amps (Un)

Circuit 1

Maximum Current	A	234	269	269	297
Start Up Current	A	<RLA	<RLA	<RLA	<RLA
Current at Eurovent Conditions	A	152	182	182	201

Circuit 2

Maximum Current	A	234	234	269	297
Start Up Current	A	<RLA	<RLA	<RLA	<RLA
Current at Eurovent Conditions	A	152	152	182	201

* Cooling mode conditions: Evaporator water heat exchanger, entering/leaving water temperature 12°C/7°C, fouling factor 0 m² K/W. Condenser water heat exchanger, entering/leaving water temperature 30°C/35°C, fouling factor 0m² K/W.

All performances are compliant with EN14511-3 : 2013. Sound power level according to ISO9614-1.
Unit is outside of the scope of AHRI Water-Cooled Water Chilling Packages Using Vapor Compression Cycle Certification Program, but is rated in accordance with AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI).
Preliminary product data for information only. Final product data will be submitted by Carrier to Eurovent company during 2016.

