



United Technologies

DESIGNING INNOVATIVE SOLUTIONS

AIR CONDITIONING & HEATING SOLUTIONS

# UPGRADE YOUR HVAC SYSTEM WITH THE NEW AQUAFORCE® CHILLER GENERATION



Variable-speed and  
Fixed-speed screw chillers  
**30KAV & 30XBP**

**AQUAFORCE**

# As technology advances so does our performance

## 30KAV

The AquaForce® Vision 30KAV liquid chillers with Greenspeed™ Intelligence are the premium solution for commercial and industrial applications where installers, consultants and building owners require superior reliability and optimal performances, especially at part load.



UP TO  
**40%**  
ENERGY  
EFFICIENCY  
IMPROVEMENT \*



UP TO  
**25%**  
SMALLER \*\*



UP TO  
**40%**  
LESS  
REFRIGERANT  
CHARGE \*

Nominal Cooling Capacity kW <sup>(1)</sup>	500	550	600	650	750	800	850	900	1000	1100	1200	
<b>30KAV</b>												
MODELS	500	550	600	650	720	800	-	900	1000	1100	-	
SEER WITH OPTION 17	kW/kW	5.1	5.1	5.4	5.4	5.5	5.3	-	5.4	5.3	5.4	-
EER	kW/kW	3.0	2.9	3.1	3.0	3.2	3.0	-	3.1	3.0	3.1	-
SOUND POWER LEVEL <sup>(3)</sup>	dB(A)	90	90	90	92	94	92	-	94	93	94	-
LENGTH	mm	4350	4350	5540	5540	6735	6735	-	7925	7925	9120	-
WIDTH	mm	2253	2253	2253	2253	2253	2253	-	2253	2253	2253	-
HEIGHT	mm	2297	2297	2297	2297	2297	2297	-	2297	2297	2297	-
REFRIGERANT CHARGE	kg	103	103	113	127	141	140	-	170	179	199	-
<b>30XA</b>												
MODELS		502	-	602	702	752	802	852	902	1002	1102	1202
SEER	kW/kW	4.1	-	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.1
EER	kW/kW	2.9	-	3.0	3.1	2.9	2.9	3.0	2.9	3.0	3.0	3.0
SOUND POWER LEVEL <sup>(3)</sup>	dB(A)	89	-	91	90	91	92	91	93	92	93	93
LENGTH	mm	5992	-	7186	7186	7186	8380	8380	8380	9574	11962	11962
WIDTH	mm	2253	-	2253	2253	2253	2253	2253	2253	2253	2253	2253
HEIGHT	mm	2297	-	2297	2297	2297	2297	2297	2297	2297	2297	2297
REFRIGERANT CHARGE	kg	95	-	117	120	123	134	135	145	154	196	204
<b>30GX</b>												
MODELS		152	162	182	-	227	247	-	267	298	328	358
SEER	kW/kW	3.7	3.7	3.7	-	3.7	3.7	-	3.7	3.6	3.7	3.7
EER	kW/kW	2.7	2.8	2.7	-	2.8	2.7	-	2.7	2.7	2.8	2.7
SOUND POWER LEVEL <sup>(3)</sup>	dB(A)	90	90	90	-	92	92	-	92	93	93	93
LENGTH	mm	4340	4340	5994	-	5994	6909	-	6909	7824	8739	8739
WIDTH	mm	2254	2254	2254	-	2254	2254	-	2254	2254	2254	2254
HEIGHT	mm	2297	2297	2297	-	2297	2297	-	2297	2297	2297	2297
REFRIGERANT CHARGE	kg	137	143	220	-	205	242	-	273	311	313	336

(1) Nominal cooling capacity at Eurovent conditions. Evaporator inlet/outlet: 12°C/7°C, Air temperature 35°C.

(2) SEER of 30GX is based on estimated values.

(3) Unit with very low noise option - EER is slightly lower when very low noise option selected.

\* In comparison with 30GX

\*\* In comparison with 30XA



# 30XBP

The AquaForce® 30XBP liquid chillers are the economic solution for commercial and industrial applications where high reliability and economic operation in all climate conditions are key customer requirements.



UP TO  
**20%**  
ENERGY  
EFFICIENCY  
IMPROVEMENT \*



SAME  
FOOTPRINT \*\*



UP TO  
**40%**  
LESS  
REFRIGERANT  
CHARGE \*

Nominal Cooling Capacity kW <sup>(1)</sup>	500	550	600	650	750	800	850	900	1000	1100	1200
<b>30XBP</b>											
MODELS	500	-	600	700	750	800	850	900	1000	1100	1200
SEER	kW/kW 4.3	-	4.1	4.4	4.1	4.1	4.4	4.1	4.1	4.2	4.3
EER	kW/kW 3.0	-	3.1	3.2	3.0	2.9	3.1	3.0	3.0	3.1	3.1
SOUND POWER LEVEL <sup>(3)</sup>	dB(A) 91	-	93	92	94	94	94	95	94	94	94
LENGTH	mm 5992	-	7186	7186	7186	7186	8380	8380	9574	11962	11962
WIDTH	mm 2253	-	2253	2253	2253	2253	2253	2253	2253	2253	2253
HEIGHT	mm 2297	-	2297	2297	2297	2297	2297	2297	2297	2297	2297
REFRIGERANT CHARGE	kg 86	-	117	120	123	134	135	145	154	184	196
<b>30XA</b>											
MODELS	502	-	602	702	752	802	852	902	1002	1102	1202
SEER	kW/kW 4.1	-	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.1
EER	kW/kW 2.9	-	3.0	3.1	2.9	2.9	3.0	2.9	3.0	3.0	3.0
SOUND POWER LEVEL <sup>(3)</sup>	dB(A) 89	-	91	90	91	92	91	93	92	93	93
LENGTH	mm 5992	-	7186	7186	7186	8380	8380	8380	9574	11962	11962
WIDTH	mm 2253	-	2253	2253	2253	2253	2253	2253	2253	2253	2253
HEIGHT	mm 2297	-	2297	2297	2297	2297	2297	2297	2297	2297	2297
REFRIGERANT CHARGE	kg 95	-	117	120	123	134	135	145	154	196	204
<b>30GX</b>											
MODELS	152	162	182	-	227	247	-	267	298	328	358
SEER	kW/kW 3.7	3.7	3.7	-	3.7	3.7	-	3.7	3.6	3.7	3.7
EER	kW/kW 2.7	2.8	2.7	-	2.8	2.7	-	2.7	2.7	2.8	2.7
SOUND POWER LEVEL <sup>(3)</sup>	dB(A) 90	90	90	-	92	92	-	92	93	93	93
LENGTH	mm 4340	4340	5994	-	5994	6909	-	6909	7824	8739	8739
WIDTH	mm 2254	2254	2254	-	2254	2254	-	2254	2254	2254	2254
HEIGHT	mm 2297	2297	2297	-	2297	2297	-	2297	2297	2297	2297
REFRIGERANT CHARGE	kg 137	143	220	-	205	242	-	273	311	313	336

(1) Nominal cooling capacity at Eurovent conditions. Evaporator inlet/outlet: 12°C/7°C, Air temperature 35°C.

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(3) Unit with very low noise option - EER is slightly lower when very low noise option selected.

\* In comparison with 30GX

\*\* In comparison with 30XA

# Carrier Service beyond your expectations

## Carrier, your service partner

Carrier experts support you all along the lifecycle of your building, HVAC plant and equipment. We propose you turnkey solutions to replace and enhance equipment & systems.

Invest today to save on your future maintenance costs. Do not wait to replace your old installations with more efficient, less energy-consuming equipment that uses a reduced refrigerant charge with a reduced level noise.

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in more than

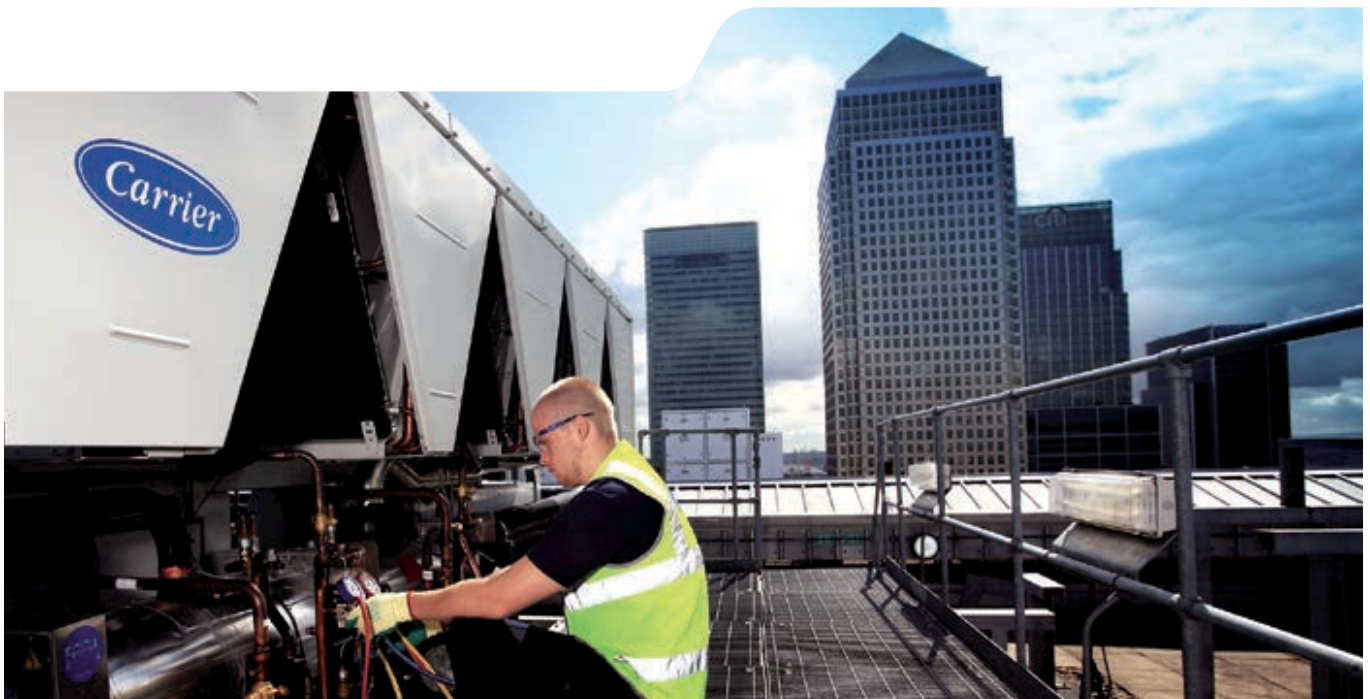
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countries

**24/7**  
availability

More than

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of experience

**Carrier** proposes an advanced service offer based on secure connectivity, allowing you to monitor your equipment in real time and receive recommendations from Carrier experts.



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