



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 ⁽¹⁾	500	550	600	650	750	800	850	900	1000	1100	1200	
30KAV												
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 ⁽³⁾	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	-
30XA												
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 ⁽³⁾	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
30GX												
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 ⁽³⁾	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 ⁽¹⁾		500	550	600	650	750	800	850	900	1000	1100	1200
30XBP												
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 ⁽³⁾	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
30XA												
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 ⁽³⁾	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
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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 ⁽³⁾	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

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* 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.

The flexibility & full support of these solutions based on your specific needs, secure and guarantee the performance of your cooling and heating production.

Present
in more than

60
countries

24/7
availability

More than

115 years
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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