

TECHNICAL DATA



YUKON C – COMFORT VERSION

Water chiller with remote gas cooler for outlet water temperatures from 5° to 15°C, with optional heat recovery. Hot water production is possible only if there is a request for cooling.

YUKON C		0111	0241	0392	0512	0693	0874	1024	1215
Cooling capacity ^{(1) (2)}	kW	33,9	74,7	120,3	154,8	209,5	264,2	306,8	366,0
Power consumption ^{(1) (2)}	kW	14,8	32,5	51,4	68,8	92,2	115,6	137,7	162,6
EER ^{(1) (2)}	-	2,3	2,3	2,3	2,3	2,3	2,3	2,2	2,3
Water flow rate ^{(1) (2)}	Kg/s	1,6	3,6	5,7	7,4	10,0	12,6	14,7	17,5
Water pressure drop ^{(1) (2)}	kPa	17,9	36,3	17,6	26,5	27,2	33,2	41,9	39,9
Water connections	"	1.1/2" ISO	2" ISO	2.1/2" ISO	3" Flanged	4" Flanged	4" Flanged	4" Flanged	5" Flanged
No. of compressors		1	1	2	2	3	4	4	5
No. of circuits		1	1	1	1	1	1	1	1
Lenght ⁽⁷⁾	mm	1500	1500	3000	3000	4000	4500	4500	5700
Width ⁽⁷⁾	mm	1060	1060	1150	1150	1250	1400	1400	1450
Height ⁽⁷⁾	mm	1900	1900	2500	2500	2500	2500	2500	2500
Weight ⁽⁷⁾	Kg	900	950	2700	2700	3400	4000	4000	5200
Sound power	dB(A)	75	78	80	81	82	84	84	85
Sound pressure ⁽⁸⁾	dB(A)	47	50	52	53	54	56	56	57
Power supply	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50

YUKON C		1385	1586	1826	1904	2224	2605	3015
Cooling capacity ^{(1) (2)}	kW	414,3	475,4	555,5	624,8	731,7	855,0	922,0
Power consumption ^{(1) (2)}	kW	190,0	216,0	254,3	272,2	320,2	373,5	426,0
EER ^{(1) (2)}	-	2,2	2,2	2,2	2,3	2,3	2,3	2,2
Water flow rate ^{(1) (2)}	Kg/s	19,8	22,7	26,5	29,8	35,0	40,9	46,3
Water pressure drop ^{(1) (2)}	kPa	48,5	30,5	40,5	44,0	58,5	42,6	53,5
Water connections	"	5" Flanged	6" Flanged	6" Flanged	6" Flanged	7" Flanged	7" Flanged	7" Flanged
No. of compressors		5	6	6	4	4	5	5
No. of circuits		1	1	1	1	1	1	1
Lenght ⁽⁷⁾	mm	5700	5800	5800	6700	6700	7500	7500
Width ⁽⁷⁾	mm	1450	1550	1550	1750	1750	1750	1750
Height ⁽⁷⁾	mm	2500	2500	2500	2500	2500	2500	2500
Weight ⁽⁷⁾	Kg	5500	7000	7000	7500	7500	8500	8500
Sound power	dB(A)	86	86	88	92	93	94	95
Sound pressure ⁽⁸⁾	dB(A)	58	58	60	64	65	66	67
Power supply	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50

(1) Water temperature in/out: 12°C / 7°C. Outdoor air temperature: 35°C

(2) Performances according to EN 14511

(3) Water temperature in/out: -4°C / -8°C with 35% ethylene glycol. Outdoor air temperature: 35°C

(4) Water temperature in/out: 35°C / 50°C. Outdoor air temperature: -5°C

(5) Water temperature in/out: 30°C / 35°C. Outdoor air temperature: -5°C

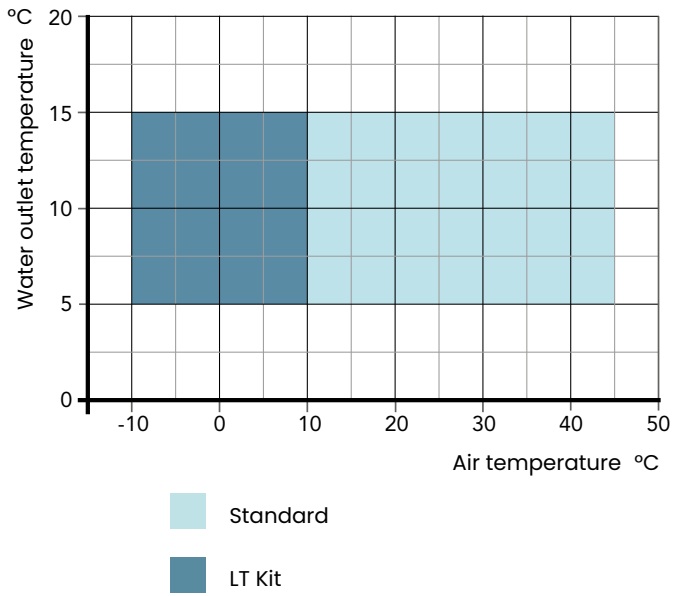
(6) Water temperature in/out: 35°C / 65°C. Outdoor air temperature: -5°C

(7) With cladding

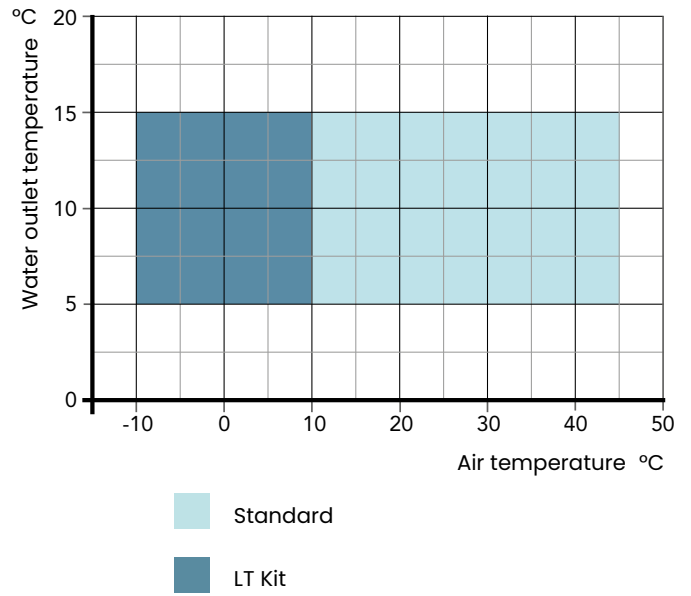
(8) Sound pressure level 10m with directivity factor Q=2

OPERATING LIMITS

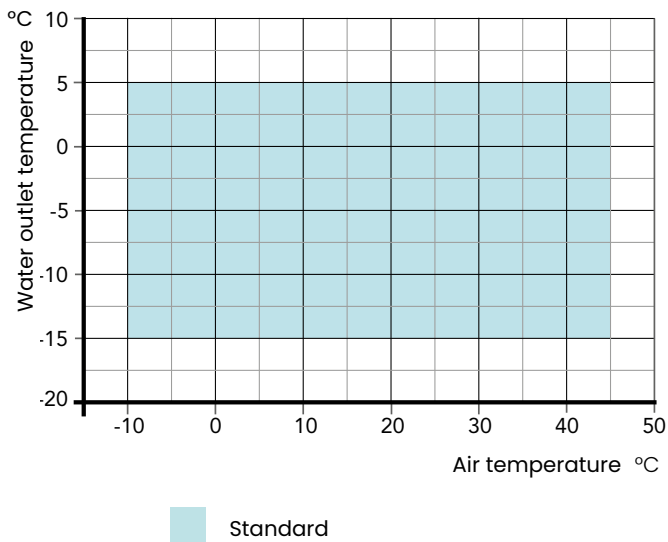
YUKON C - Comfort version



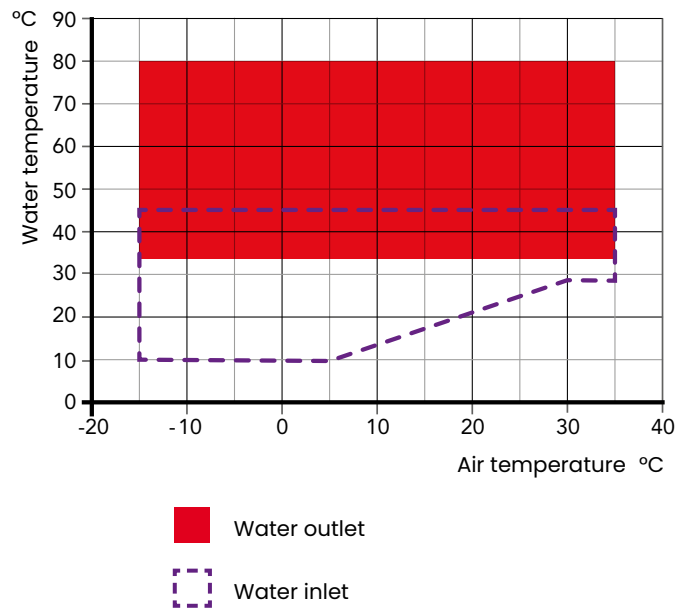
YUKON R - 4-pipe reversible cooling version



YUKON B - Brine version

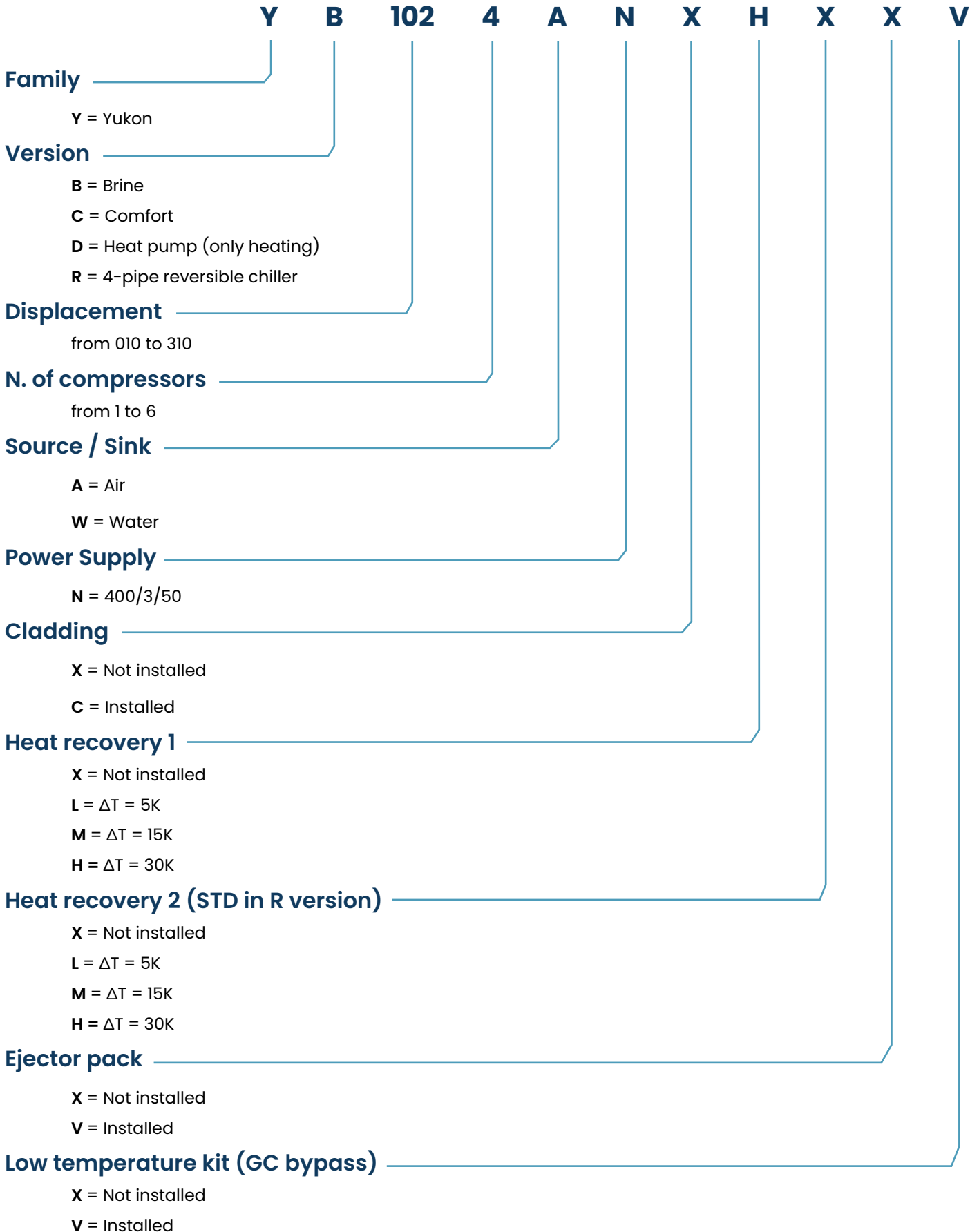


YUKON D - Heat pump version
YUKON R - 4-pipe reversible heating version



UNIT IDENTIFICATION & NOMENCLATURE

The simplest way to define in a clear way & in all details the yukon units for your plant



OPTION COMPATIBILITY

YUKON C	0111	0241	0392	0512	0693	0874	1024	1215	1385	1586	1826	1940	2224	2605	3015
Flooded evaporator	--	--	•	•	•	•	•	•	•	•	•	•	•	•	•
2nd heat recovery hx	--	--	o	o	o	o	o	o	o	o	o	o	o	o	o
Soft starter	--	--	--	--	--	--	--	--	--	--	--	--	--	o	o
Inverter	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Low noise opt./cladding	•	•	o	o	o	o	o	o	o	o	o	o	o	o	o
Ejector	--	--	o	o	o	o	--	--	--	--	--	--	--	--	--
Heat recovery 5K	o	o	o	o	o	o	o	o	o	o	o	o	o	o	--
Heat recovery 15K	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Heat recovery 30K	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Low temp.kit *	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Gas cooler	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Gas cooler LN	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Modbus TCP/IP	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Remote monitoring	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

• Standard, o Optional, -- Not available, □ On request
* Mandatory below 10°C of external operating temperature in chiller mode
LN = Low Noise

YUKON B	0111	0241	0392	0512	0693	0874	1024	1215	1385	1586	1826	1904	2224	2605	3015
Flooded evaporator	--	--	•	•	•	•	•	•	•	•	•	•	•	•	•
2nd heat recovery hx	--	--	o	o	o	o	o	o	o	o	o	o	o	o	o
Soft starter	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Inverter	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Low noise opt./cladding	•	•	o	o	o	o	o	o	o	o	o	o	o	o	o
Ejector **	--	--	o	o	o	o	--	--	--	--	--	--	--	--	--
Heat recovery 5K	o	o	o	o	o	o	o	o	o	o	o	o	o	o	--
Heat recovery 15K	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Heat recovery 30K	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Low temp.kit *	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Gas cooler	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Gas cooler LN	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Modbus TCP/IP	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Remote monitoring	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

• Standard, o Optional, -- Not available, □ On request
* Mandatory below 10°C of external operating temperature in chiller mode
LN = Low Noise
** Up to -5°C glycol temperature