

## TECHNICAL DATA



### YUKON B – BRINE VERSION

Brine chiller with remote gas cooler for outlet water temperatures from +4°C to -15°C, with optional heat recovery. The operating principle is equivalent to the Comfort version.

YUKON B		0111	0241	0392	0512	0693	0874	1024	1215
Cooling capacity <sup>(2) (3)</sup>	kW	20	45	72	93	126	159	185	221
Power consumption <sup>(2) (3)</sup>	kW	14	31	50	66	88	111	130	155
EER <sup>(2) (3)</sup>	-	1,44	1,46	1,45	1,42	1,43	1,44	1,42	1,42
Water flow rate <sup>(2) (3)</sup>	Kg/s	1,21	2,69	4,31	5,58	7,53	9,49	11,05	13,18
Water pressure drop <sup>(2) (3)</sup>	kPa	16,0	32,1	17,6	24,4	24,3	28,1	35,2	23,8
Water connections	"	1.1/4" ISO	1.1/2" ISO	2" ISO	2.1/2" ISO	2.1/2" ISO	3" Flanged	3" Flanged	4" Flanged
No. of compressors		1	1	2	2	3	4	4	5
No. of circuits		1	1	1	1	1	1	1	1
Lenght <sup>(7)</sup>	mm	1500	1500	3000	3000	4000	4500	4500	5700
Width <sup>(7)</sup>	mm	1060	1060	1150	1150	1250	1400	1400	1450
Height <sup>(7)</sup>	mm	1900	1900	2500	2500	2500	2500	2500	2500
Weight <sup>(7)</sup>	Kg	900	950	2700	2700	3400	4000	4000	5200
Sound power	dB(A)	75	78	80	81	82	84	84	85
Sound pressure <sup>(8)</sup>	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 B		1385	1586	1826	1904	2224	2605	3015
Cooling capacity <sup>(2) (3)</sup>	kW	250	287	331	356	417	488	560
Power consumption <sup>(2) (3)</sup>	kW	175	201	230	241	283	330	387
EER <sup>(2) (3)</sup>	-	1,43	1,43	1,44	1,48	1,47	1,48	1,45
Water flow rate <sup>(2) (3)</sup>	Kg/s	14,91	17,12	19,80	21,28	24,92	29,12	33,44
Water pressure drop <sup>(2) (3)</sup>	kPa	28,4	24,1	29,8	33,1	42,1	29,0	35,5
Water connections	"	4" Flanged	4" Flanged	5" Flanged	5" Flanged	5" Flanged	6" Flanged	6" Flanged
No. of compressors		5	6	6	4	4	5	5
No. of circuits		1	1	1	1	1	1	1
Lenght <sup>(7)</sup>	mm	5700	5800	5800	6700	6700	7500	7500
Width <sup>(7)</sup>	mm	1450	1550	1550	1750	1750	1750	1750
Height <sup>(7)</sup>	mm	2500	2500	2500	2500	2500	2500	2500
Weight <sup>(7)</sup>	Kg	5500	7000	7000	7500	7500	8500	8500
Sound power	dB(A)	86	86	88	92	93	94	95
Sound pressure <sup>(8)</sup>	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

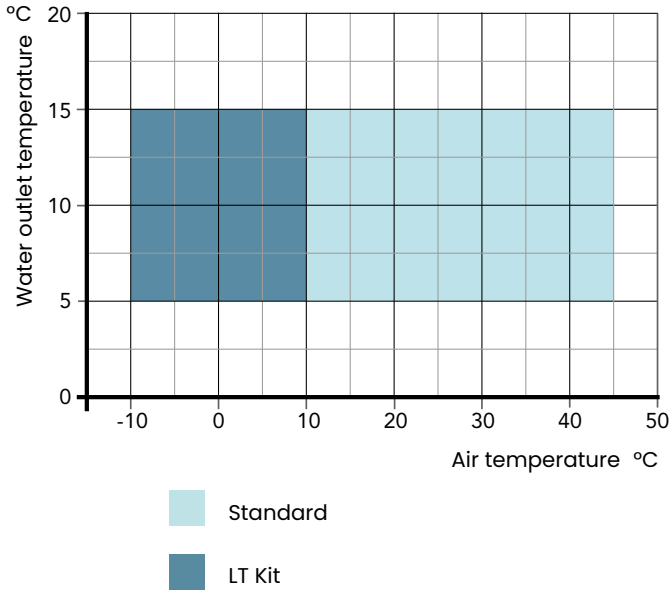
(6) Water temperature in/out: 35°C / 65°C. Outdoor air temperature: -5°C

(7) With cladding

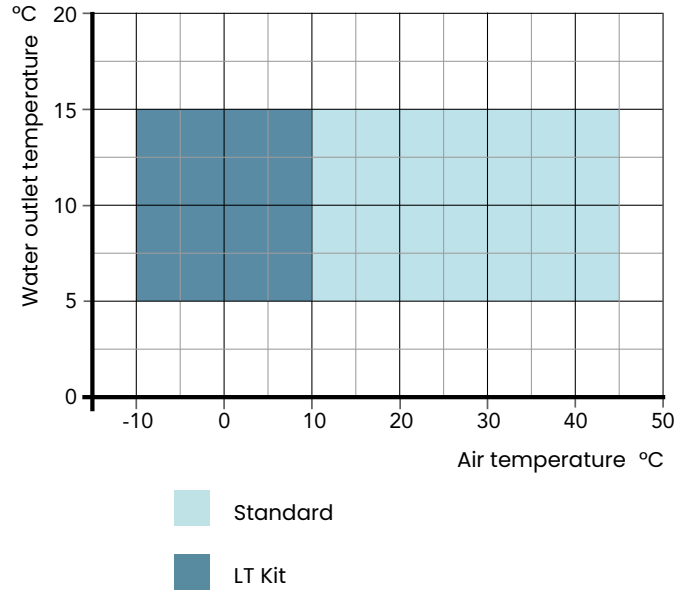
(8) Sound pressure level 10m with directivity factor Q=2

## OPERATING LIMITS

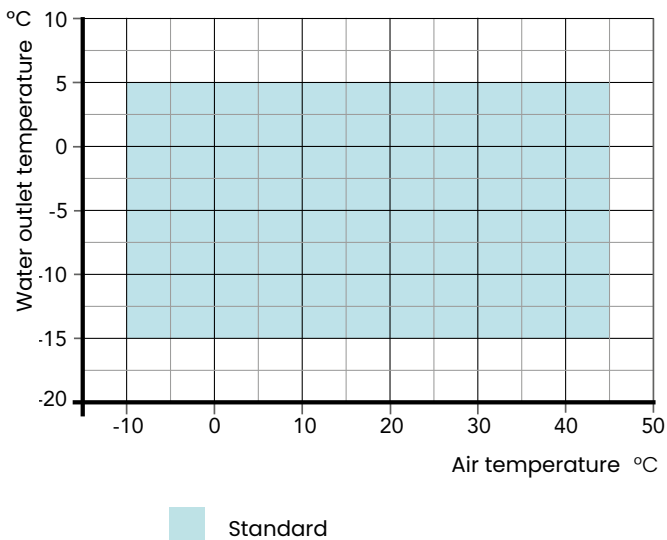
**YUKON C - Comfort version**



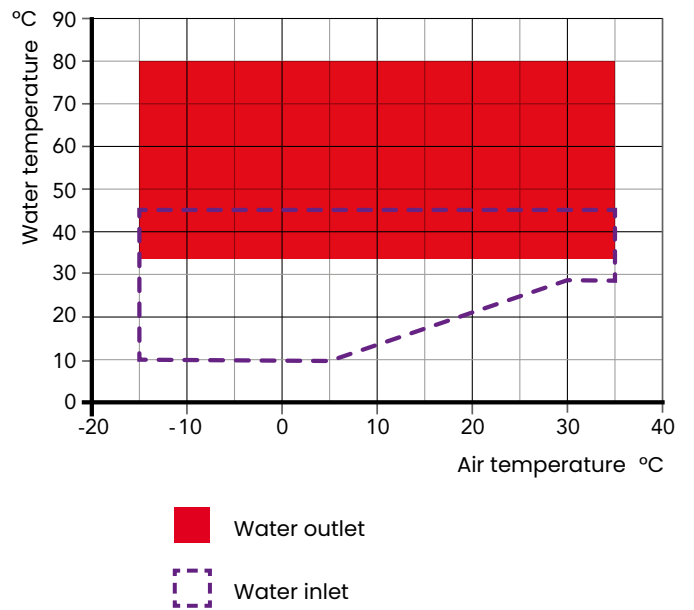
**YUKON R - 4-pipe reversible cooling version**



**YUKON B - Brine version**

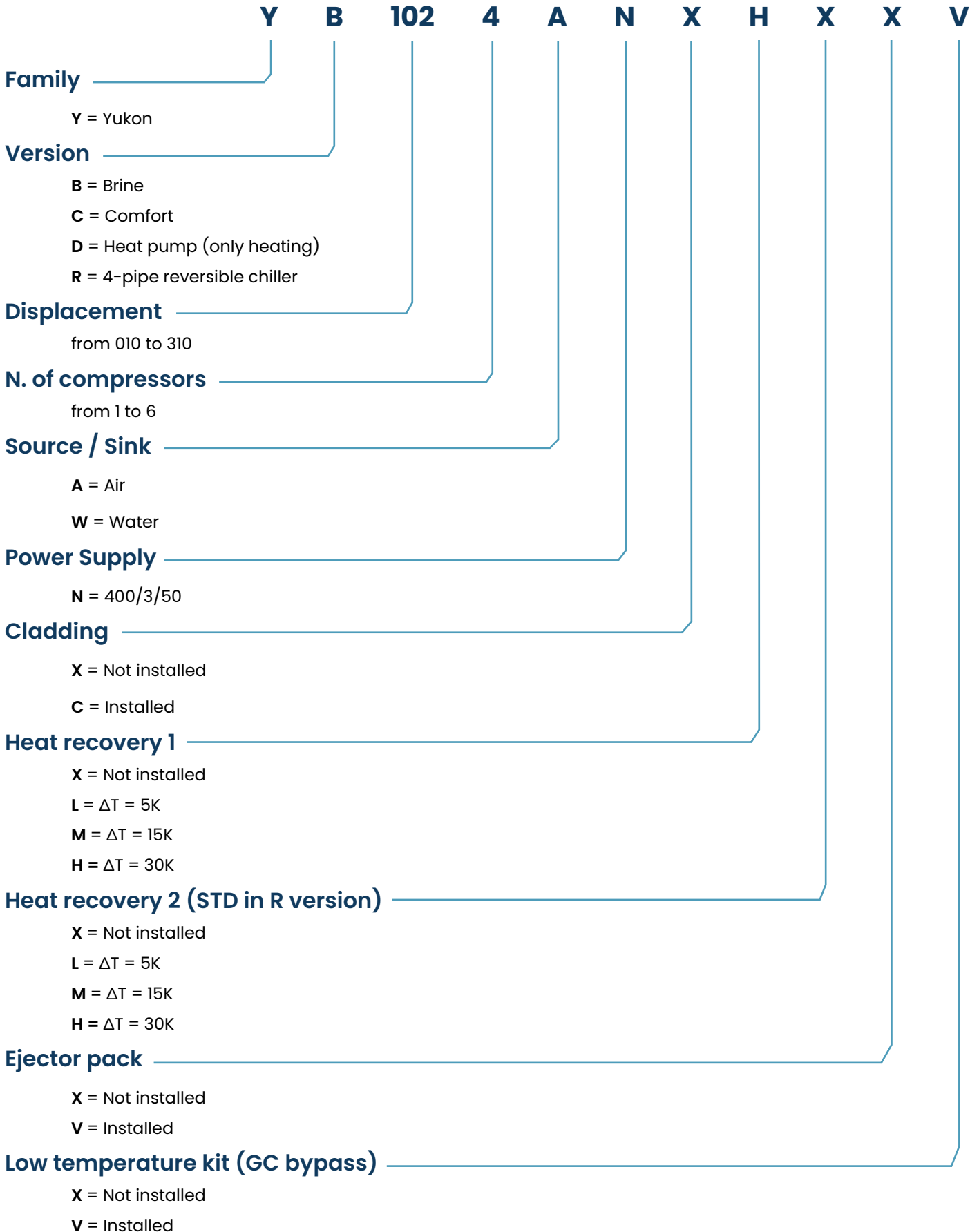


**YUKON D - Heat pump version**  
**YUKON R - 4-pipe reversible heating version**



## 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