

Marine Catalog



2017

Air system

Functioning principals

Minimum air grille sections

To obtain acceptable noise levels at maximal blower speed levels the requirements for grille and ducts sections should be observed. The size of the transition box behind the supply air-grille is also important.

Capacity BlueCool A/C component	Duct size S-Series (mm)	Duct size A-Series (mm)	Supply air grill (cm ²)	Recommended supply air grill (")	Return air grill (cm ²)	Recommended return air grill (")
4,000 BTU/h	–	100	150	8 x 4	325	12 x 5
6,000 BTU/h	–	125	190	10 x 4	490	11 x 8
8,000 – 10,000 BTU/h	100 – 125	125	235	12 x 4	490	11 x 8
12,000 – 13,000 BTU/h	125 – 150	150	250	10 x 5	550	14 x 7
16,000 – 20,000 BTU/h	125 – 150	150	390	12 x 6	800	14 x 10
24,000 BTU/h	–	2 x 150	2 x 250	2 x 10 x 5	1000	14 x 12
27,000 BTU/h	2 x 150	–	650	2 x 12 x 6	1600	2 x 14 x 10
36,000 BTU/h	–	2 x 150	2 x 380	2 x 12 x 6	1600	2 x 14 x 10

Blower outlets

90° turns with flexible ducts directly from blower outlets should be avoided at all costs as they introduce severe restrictions in the air-flow. All WB blowers (except on 24,000 BTU/h models) can be rotated through 45° steps to obtain a straight-line outlet from the blower. This facility should be used whenever possible.

Return grille offset

It should be avoided to place a return air grille directly opposite the finned coil surface of an air handler, because this will allow propagation of direct blower-motor noise through the grille. The grille should be offsetted to chicane the return air to the coil inlet. Direct noise propagation will be reduced in a significant manner.

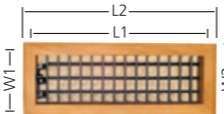

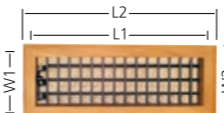
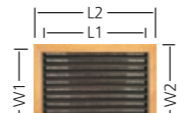
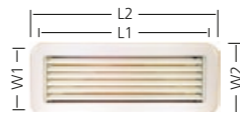
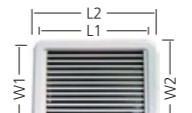

Duct type

To avoid accidental crushing, flexible air-ducts should be of high quality with sufficiently strong steel spiral reinforcement. Spiral type ducts should be extended to their maximum length for the best interior smoothness. For very long duct sections smooth bore ducts (in PVC for example) should be preferred. This offers better smoothness than flexible spiral type ducting and hence reduces internal friction. For very short lengths non-insulated ducts can be used. For greater lengths it is advisable to use insulated type ducts to avoid condensation on the outside of the air-ducts.

Big luxury yacht

In general requirements for megayachts and big luxury vessels are even more stringent than the table here above. These special requirements can be obtained from Webasto on request.

Air system

Air grille*	Model	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	Order number
	8 x 4 TS (supply air)	202	230	100	128	WBCL004000XA
	10 x 4 TS	252	281	100	128	WBCL004001XA
	12 x 4 TS	304	332	100	128	WBCL004002XA
	10 x 5 TS	252	281	125	152	WBCL004018XA
	12 x 5 TS	304	332	125	152	WBCL004004XA
	12 x 6 TS	304	332	152	179	WBCL0040240A
Wedge type supply air grille*	Model	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	Order number
	10 x 5 WGT (supply air)	–	280	–	150	WBCL004023XA
Air grille, closeable*	Model	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	Order number
	8 x 4 TSC (supply air)	202	230	100	128	WBCL004005XA
	10 x 4 TSC	252	281	100	128	WBCL004019XA
	12 x 4 TSC	304	332	100	128	WBCL004006XA
	10 x 5 TSC	252	281	125	152	WBCL004022XA
	12 x 5 TSC	304	332	125	152	WBCL004025XA
Air grille with filter*	Model	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	Order number
	12 x 5 TR (return air)	304	332	125	152	WBCL004020XA
	11 x 8 TR	280	306	204	230	WBCL004017XA
	14 x 7 TR	177	205	355	381	WBCL004007XA
	12 x 10 TR	304	332	254	281	WBCL004021XA
	14 x 10 TR	354	382	254	281	WBCL004008XA
	14 x 12 TR	354	382	304	332	WBCL004009XA
Air grille (ABS)	Model	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	Order number
	10 x 4 PS (ABS, supply air)	242	280	92	128	WBCL004030A
	12 x 4 PS	292	332	92	128	WBCL004031A
	10 x 5 PS	242	280	115	152	WBCL004032A
	10 x 6 PS	242	280	138	174	WBCL004033A
Air grille (ABS) with filter	Model	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	Order number
	10 x 8 PR (ABS, return air)	242	281	190	232	WBCL004076A
	10 x 10 PR	242	281	242	281	WBCL004077A
	12 x 12 PR	292	332	292	332	WBCL004078A
	14 x 10 PR	342	382	242	281	WBCL004080A
	14 x 12 PR	342	382	292	332	WBCL004081A
Round, adjustable plastic grille	Model					Order number
	Black, 100 mm			–		WBCL004090A
	Walnut brown, 100 mm			–		WBCL004091A
	White, 100 mm			–		WBCL004092A
	Off-white, 100 mm			–		WBCL004093A
	White, 75 mm			–		WBCL004094A
	White, 75 mm with hose ring			–		WBCL004095A
	Black, 75 mm with hose ring			–		WBCL004096A
	Black, 75 mm			–		WBCL004097

* Note: All teak grilles can be supplied in other wood qualities on demand. Please see table listing the special suffixes to the chosen grille item code in accordance with the wood type preference.

In order to customise the wooden air grilles, please choose from the following wood options:

Example: WBCL0040040 = Teak air grille 12 x 5 WBCL0040042 = Mahogany air grille 12 x 5

Suffix	Wood type	Description
0	Teak	Asian Teak
1	Cherry	American Cherry
2	Mahogany	Honduran Mahogany
4	Oak	American white Oak

Note: Teak versions on stock. Other wood options may have longer lead times or extra shipping costs.

Air system

T-piece (inside, D2 direct to A/C unit)	Model	D1/D2/D3 (mm)	L x H (mm)		Order number
	100/100 F/100	100/100 F/100	220 x 185	-	WBCL001549A
	100/125 F/100	125/100 F/100	220 x 185	-	WBCL001560A
	125/125 F/100	125/125 F/100	220 x 185	-	WBCL001550A
	125/125 F/125	125/125 F/125	220 x 185	-	WBCL001555A
T-piece (outside, D2 connected to hose)	Model	D1/D2/D3 (mm)	L x H (mm)		Order number
	100/100 M/100	100/100 M/100	220 x 185	-	WBCL001551A
	100/125 M/100	100/125 M/100	220 x 185	-	WBCL001552A
Y-piece (inside, D2 direct to A/C unit)	Model	D1/D2/D3 (mm)	L x H (mm)		Order number
NEW 	100/125 F/100	100/125 F/100	269 x 213	-	WBCL001576A
	100/125 F/125	100/125 F/125	269 x 213	-	WBCL001577A
Y-piece (outside, D2 connected to hoseunit)	Model	D1/D2/D3 (mm)	L x H (mm)		Order number
NEW 	100/100 M/100	100/110 M/100	250 x 200	-	WBCL001578A
	100/125 M/100	100/125 M/100	269 x 213	-	WBCL001574A
	100/125 M/125	100/125 M/125	269 x 213	-	WBCL001575A
	125/150 M/125	125/150 M/125	280 x 220	-	WBCL001580A
	150/150 M/150	150/150 M/150	280 x 220	-	WBCL001581A
Hose adapter	Model	D1/D2/D3 (mm)	L x H (mm)		Order number
	3" x 4"	106 x 70	106 x 70	-	WBCL001579A
90 degree elbow-piece, D2 connected to A/C unit	Model	D1/D2 (mm)	L x H (mm)		Order number
NEW 	100 M/100 F	100 M/100 F	173 x 172	-	WBCL001572A
	125 M/125 F	125 M/125 F	194 x 198	-	WBCL001573A
90 degree elbow-piece, D2 connected to hose	Model	D1/D2 (mm)	L x H (mm)		Order number
NEW 	100 M/100 M	100 M/100 M	170 x 170	-	WBCL001570A
	125 M/125 M	125 M/125 M	195 x 195	-	WBCL001571A
Standard transition box	Model		L x H (mm)	W (mm)	Order number
	8 x 4"	-	252 x 130	150	WBCL001501A
	10 x 4"	-	304 x 130	150	WBCL001502A
	12 x 4"	-	352 x 130	150	WBCL001503A
	12 x 5"	-	352 x 130	180	WBCL001505A
	10 x 5"	-	304 x 130	180	WBCL001506A
	12 x 6"	-	352 x 130	200	WBCL001507A
	10 x 6"	-	304 x 130	200	WBCL001508A
Standard hose rings	Model	D (mm)		W (mm)	Order number
	HR4 - 100	100	-	134	WBCL002502
	HR5 - 125	125	-	150	WBCL002503
	HR6 - 150	150	-	170	WBCL002504A
	HR7 - 178	175	-	200	WBCL002509A
Oval hose rings	Model	D x W2 (mm)	L x H (mm)	W1 (mm)	Order number
	HO4 - 100*	120 x 55	170	100	WBCL002505A
	HO5 - 125*	150 x 65	195	110	WBCL002506A
	HO6 - 150*	180 x 72	228	120	WBCL002507A
	HO7 - 175*	200 x 84	255	140	WBCL002508A
Transition box, round entry	Model	D (mm)	L x H (mm)	W (mm)	Order number
	8 x 4LN/100*	100	250 x 130	150	WBCL001520A
	10 x 4LN/100*	100	305 x 130	150	WBCL001521A
	12 x 4LN/100*	100	360 x 130	150	WBCL001522A
	10 x 5LN/125*	125	304 x 130	180	WBCL001523A

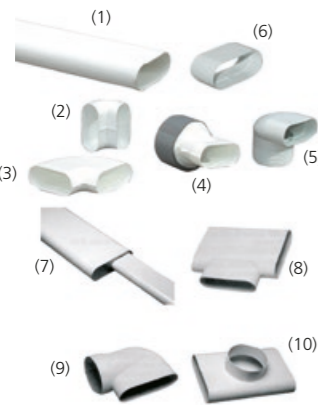
F = Female M = Male
* Equivalent diameter of air ducting in mm

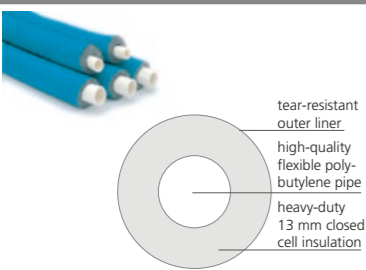
Air system

Transition box, lateral oval entry	Model	D x W2 (mm)	L x H (mm)	W (mm)	Order number
	8 x 4LT/OV100*	120 x 55	250 x 130	155	WBCL001510A
	10 x 4LT/OV100*	120 x 55	305 x 130	155	WBCL001530A
	10 x 4LT/OV125*	150 x 65	305 x 130	155	WBCL001529A
	12 x 4LT/OV125*	150 x 65	305 x 130	180	WBCL001528A
Transition box, back oval entry	Model	D x W2 (mm)	L x H (mm)	W (mm)	Order number
	8 x 4AR/OV100*	120 x 55	250 x 180	155	WBCL001524A
	10 x 4AR/OV100*	120 x 55	305 x 180	155	WBCL001525A
	10 x 4AR/OV125*	150 x 65	305 x 180	155	WBCL001531A
	10 x 5AR/OV125*	150 x 65	305 x 180	180	WBCL001526A
	10 x 6AR/OV125*	150 x 65	305 x 180	205	WBCL001533A
Y-piece	Model	D/D1/D2 (mm)	L x H (mm)		Order number
	YAS100	100/100/100	320 x 255	-	WBCL001562A
	YAS125	125/125/125	360 x 300	-	WBCL001563A
	YAS100/80/80	100/80/80	380 x 300	-	WBCL001548A
Insulated flexible air ducts	Model (mm)	D (mm)	L (m)		Order number
	80	IN = 80; A = 105	L = 6	-	WBCL007460B
	104	IN = 104; A = 128	L = 6	-	WBCL007461C
	130	IN = 130; A = 145	L = 6	-	WBCL007462C
Standard flexible air ducts	Model (mm)	D (mm)	L (m)		Order number
	Cflex 102	102	10	-	WBCL001804
	Cflex 127	127	10	-	WBCL001805
	Cflex 150	152	10	-	WBCL001806
Insulated flexible air ducts	Model	D (mm)	L (m)		Order number
	Cflexiso 102	102	10	-	WBCL001807
	Cflexiso 127	127	10	-	WBCL001808
	Cflexiso 152	152	10	-	WBCL001809
Tubular hose insulation	Model	D (mm)	L (m)		Order number
	Isosleeve 102	102	10	-	WBCL001810
	Isosleeve 127	127	10	-	WBCL001811
	Isosleeve 152	152	10	-	WBCL001812
	Isosleeve 180	180	10	-	WBCL001813
Extra silent insulated air ducts		D (mm)	L (m)		Order number
		102	10	-	WBCL010155A
		127	10	-	WBCL010156A
		160	10	-	WBCL010206A

* equivalent diameter of air ducting in mm.

Air system

Oval ducts	Description	Model (mm)	L (m)	Order number
	Oval duct (1)	100 x 40	3	WBCL007100
	Oval duct (1)	200 x 60	3	WBCL007106
	Elbow 90° (2)	100 x 40	-	WBCL007105
	Elbow 90° (2)	200 x 60	-	WBCL007108
	Elbow 90° – flat (3)	100 x 40	-	WBCL007104
	Elbow 90° – flat (3)	200 x 60	-	WBCL007111
	Junction oval/round (4)	100 x 40/100	-	WBCL007102A
	Junction oval/round (4)	100 x 40/80	-	WBCL007117
	Junction oval/round (4)	200 x 60/125	-	WBCL007109
	Junction oval/round (5)	100 x 40/100	-	WBCL007103A
	Junction oval/round (5)	200 x 60/125	-	WBCL007110
	Junction oval (6)	100 x 40	-	WBCL007101
	Junction oval (6)	200 x 60	-	WBCL007107
	Reduction (7)	200 to 100	-	WBCL007112
	Oval t (8)	200 x 60	-	WBCL007114
	Adapter oval/round (9)	200 x 60/125	-	WBCL007115
Oval/round t (10)	200 x 60/125	-	WBCL007116	

Water System	Chilled water pipes Webasto EasyPipe (mm)	Model (mm)	Packaging (m)	Order number
	d15/D4	15	50	WBCL010122B
	d22/D48	22	25	WBCL010123B
	d28/D54	28	25	WBCL010124B

Webasto EasyPipe

The solution to reduce installation time and save costs!

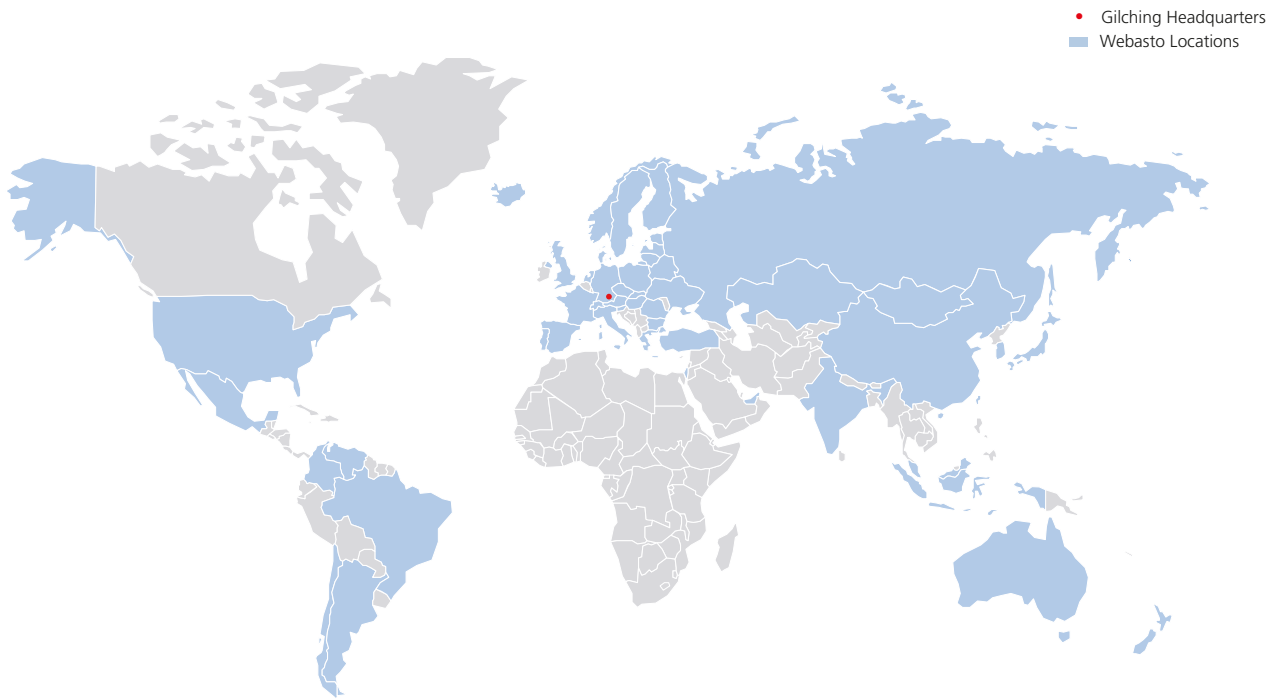
Benefits

- Easy assembly process, reliable application
- Pipes have pre-mounted insulation providing significant saving on installation time for boat builders
- Huge range of compatible quick-fitting components

Specifications

- Pipe material is high-quality polybutylene with a temperature range of -30°C up to 90°C at 6 bar
- Pipe insulation is high-quality closed cell polyethylen (PE-LD) with a temperature range of -30°C to 95°C and a lambda value of 0.0334 W/(m · K)
- O-ring sealed push fittings with stainless steel lockring
- Sold in rolls to be cut to length

Water System	Description	Model (mm)	Packaging (m)	Order number
	Hep_O PB Barrier Pipe	15	L = 50	WBCL010300B
	Hep_O PB Barrier Pipe	22	L = 50	WBCL010301B
	Hep_O PB Barrier Pipe	28	L = 25	WBCL010302B



Since its foundation in 1901 the Webasto group has continued to set new technological standards in the original equipment and aftermarket sector. Today, we are one of the 100 biggest suppliers in the automotive industry worldwide. We develop and produce roof, convertible as well as heating, cooling and ventilation systems. Our products help provide a better atmosphere on the road, more comfort and security, as well as increased efficiency for cars, commercial and special vehicles, motor homes and boats. An outstanding network of production facilities and dealers guarantees high-quality products, installation standards and services worldwide.

