


# iVECTOR

## PRODUCT DESCRIPTION




 **CONNECTIONS**  
**2-TUBE-MODEL**  
2 x 3/4" internal thread

 **CONNECTIONS**  
**4-TUBE-MODEL**  
4 x 3/4" internal thread

 **TEST OVERPRESSURE**  
20 bar

 **OPERATING OVERPRESSURE**  
10 bar

 **OPERATING TEMPERATURE**  
90 °C



*New App „LOOK INSIDE“  
Scan QR Code and experience  
innovative technology in 3D!*

# iVECTOR CONVECTOR FAN

### **FLEXIBLE SOLUTION:**

The new iVECTOR is mainly used in the housing area, i.e. in places where you need a high level of flexibility, especially for renovated buildings, high performance, superior comfort and cost-efficiency. It can either be used as a stand-alone unit or even integrated in a centrally controlled system (for building automation).

### **QUICK HEATING AND SIMPLE INSTALLATION:**

Due to the very low water content, the new iVECTOR works extremely quickly and is highly efficient. Conventional convectors are much more inert and provide lower efficiency. Thanks to its compact casing, the iVECTOR is very easy to install.

### **SMART CONTROL WITH YOUR SMART PHONE:**

The iVECTOR is suitable for being integrated into modern building management systems like no other convector and can be controlled centrally. It also offers individual access to control and programming options on the intuitive LCD display. In summer it can even operate as cooling device for cooling down rooms effectively without the need for an air-conditioning system.

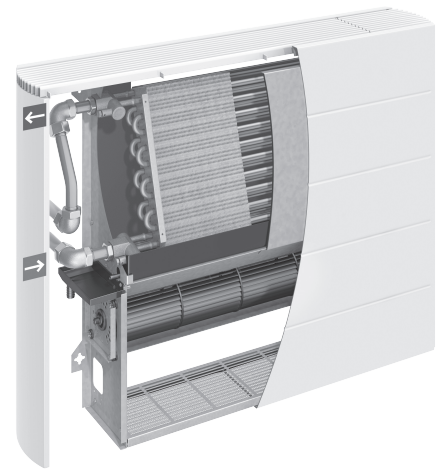
### **RELATIVE HUMIDITY**

Sensitive cooling output at 50%.

### **ELECTRICAL DATA:**

All iVECTOR models operate with power supply from 100-230V, 50/60 Hz with a 3A fuse.

## iVECTOR 2-TUBE MODEL



NOISE LEVEL (noise level test according to ISO 3741.)			
Model	Sound pressure level (dBA) (at 2,5 m)		
	Normal	Medium	Boost
iV60x080	20,3	34,5	43,8
iV60x100	19,7	32,1	41,4
iV60x120	21,9	33,3	41,6
iV60x140	21,4	35,2	43,9
iV60x160	20,3	34,6	43,8

WEIGHT, WATER CONTENT AND MOTOR OUTPUT			
Model	Net weight [kg]	Water content [l]	Motor output [W]
iV60x080	22,8	0,66	13
iV60x100	27,7	0,92	18,5
iV60x120	32,5	1,19	23
iV60x140	37,5	1,45	30
iV60x160	42,6	1,72	35

FLOW VOLUMES/PRESSURE LOSS – HEATING/COOLING					
Flow rate [l/h]	iV60x080	iV60x100	iV60x120	iV60x140	iV60x160
100	0,7	1	1,4	1,6	1,9
150	1,4	2,1	2,9	3,2	3,7
220	2,9	4,1	5,5	6,1	7,1
330	6,1	8,5	11,1	12,2	14,2
500	13	17,8	22,9	24,9	28,7
750	27,5	36,5	46,2	49,8	57,1

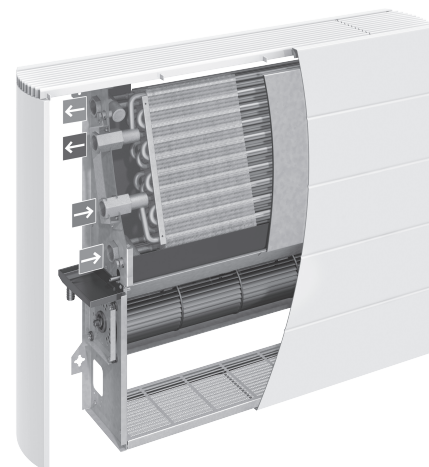
VOLUME FLOW						
Condition	Fan speed	Air flow m <sup>3</sup> /h				
		iV60x080	iV60x100	iV60x120	iV60x140	iV60x160
Heating	Normal	90	135	180	225	270
	Medium	148	221	295	369	443
	Boost	247	370	493	616	740
Cooling	Normal	65	98	130	163	195
	Medium	110	165	220	275	330
	Boost	202	302	403	504	605

# iVECTOR 4-TUBE MODEL

## TECHNICAL DESCRIPTION

### iVECTOR 4-TUBE MODEL

NOISE LEVEL (noise level test according to ISO 3741.)			
Model	Sound pressure level (dBA) (at 2,5 m)		
	Normal	Medium	Boost
iV60x080	20,3	34,5	43,8
iV60x100	19,7	32,1	41,4
iV60x120	21,9	33,3	41,6
iV60x140	21,4	35,2	43,9
iV60x160	20,3	34,6	43,8



WEIGHT, WATER CONTENT AND MOTOR OUTPUT				
Model	Net weight [kg]	Water Content [l]		Motor output [W]
		Heating	Cooling	
iV60x080	24,8	0,33	0,66	13
iV60x100	30,1	0,46	0,92	18,5
iV60x120	35,3	0,60	1,19	23
iV60x140	40,7	0,73	1,45	30
iV60x160	46,2	0,86	1,72	35

FLOW VOLUMES/PRESSURE LOSS - HEATING					
Flow rate [l/h]	iV60x080	iV60x100	iV60x120	iV60x140	iV60x160
100	1,4	2	2,8	3,2	3,8
150	2,8	4,2	5,8	6,4	7,4
220	5,8	8,2	11	12,2	14,2
330	12,2	17	22,2	24,4	28,4
500	26	35,6	45,8	49,8	57,4

FLOW VOLUMES/PRESSURE LOSS - COOLING					
Flow rate [l/h]	iV60x080	iV60x100	iV60x120	iV60x140	iV60x160
100	0,7	1	1,4	1,6	1,9
150	1,4	2,1	2,9	3,2	3,7
220	2,9	4,1	5,5	6,1	7,1
330	6,1	8,5	11,1	12,2	14,2
500	13	17,8	22,9	24,9	28,7
750	27,5	36,5	46,2	49,8	57,1

VOLUME FLOW						
Condition	Fan speed	Air flow m <sup>3</sup> /h				
		iV60x080	iV60x100	iV60x120	iV60x140	iV60x160
Heating	Normal	90	135	180	225	270
	Medium	148	221	295	369	443
	Boost	247	370	493	616	740
Cooling	Normal	65	98	130	163	195
	Medium	110	165	220	275	330
	Boost	202	302	403	504	605

## iVECTOR 2-TUBE MODEL

OUTPUT FIGURES											
Model	Nominal height [mm]	Design height [mm]	Design depth [mm]	Design length [mm]	Fan speed	Heating output [W]			Cooling [W]		Item number
						75/65/20	55/45/20	35/30/20*	Condition 7-12-27		
									Total	Sensitive	
iV60x080	600	595	153	800	Normal	1842	1014	386	707	527	F9PA02308002P40
					Medium	2550	1386	526	1126	829	
					Boost	3671	1960	739	1648	1227	
iV60x100	600	595	153	1000	Normal	2616	1420	539	1011	753	F9PA02310002P40
					Medium	3646	1948	735	1600	1178	
					Boost	5124	2835	1061	2304	1716	
iV60x120	600	595	153	1200	Normal	3220	1731	655	1250	931	F9PA02312002P40
					Medium	4448	2417	908	1960	1442	
					Boost	6521	3741	1390	2918	2173	
iV60x140	600	595	153	1400	Normal	3867	2069	780	1490	1110	F9PA02314002P40
					Medium	5265	2924	1093	2320	1707	
					Boost	7894	4531	1730	3533	2631	
iV60x160	600	595	153	1600	Normal	4460	2425	911	1729	1288	F9PA02316002P40
					Medium	6082	3450	1285	2679	1972	
					Boost	9266	5318	2053	4147	3088	

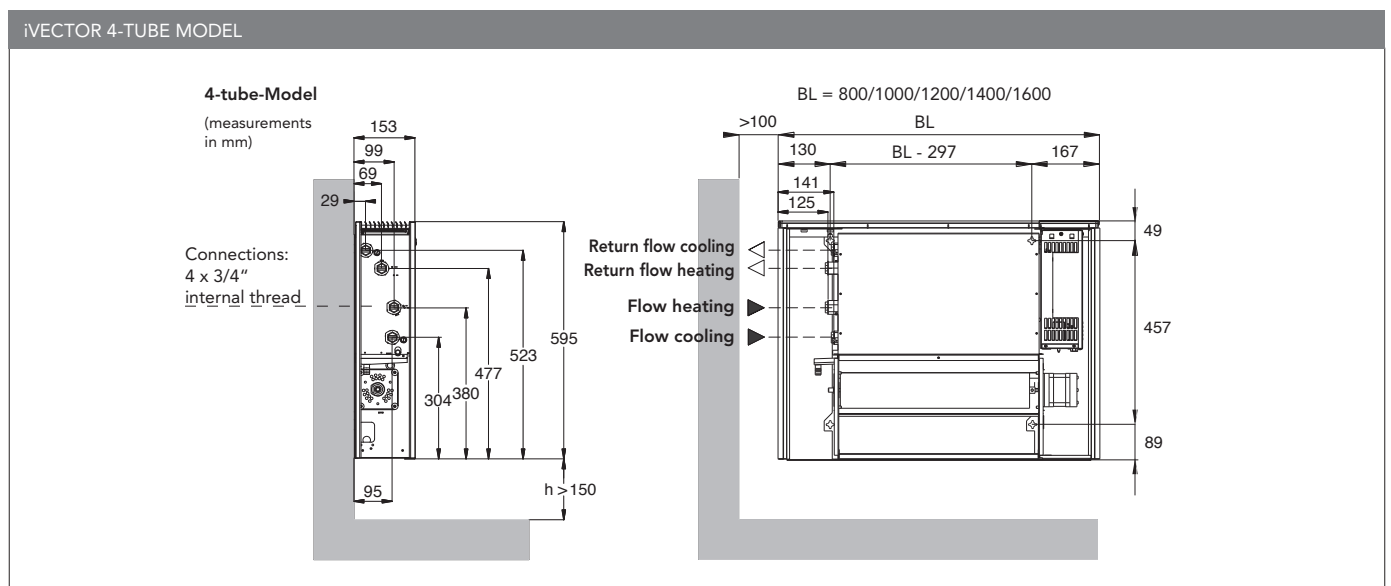
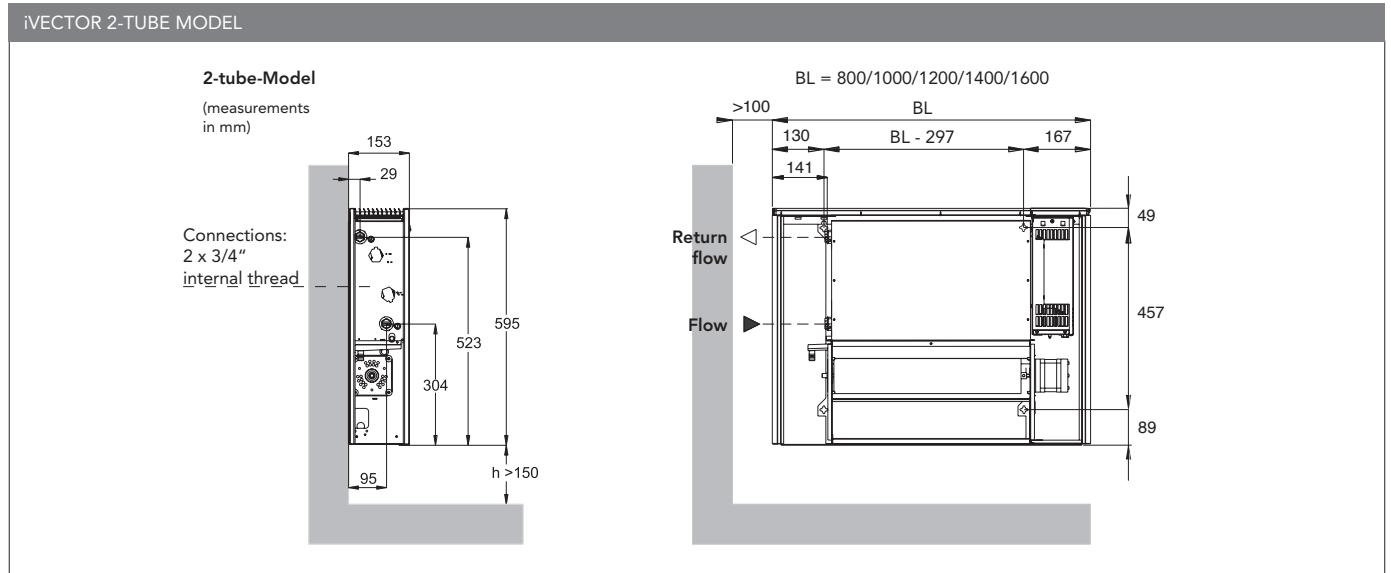
\*The minimum water temperature at the sensor set ex works is 32°C.

## iVECTOR 4-TUBE MODEL

OUTPUT FIGURES												
Model	Nominal height [mm]	Design height [mm]	Design depth [mm]	Design length [mm]	Fan speed	Heating output [W]			Cooling [W]			Item number
						75/65/20	55/45/20	35/30/20*	Condition 7-12-27			
									Flow rate [l/h]	Total	Sensitive	
iV60x080	600	595	153	800	Normal	1252	698	263	350	672	501	F9PA02308004P40
					Medium	1719	949	354	350	1070	788	
					Boost	2443	1330	491	350	1566	1166	
iV60x100	600	595	153	1000	Normal	1761	971	362	450	960	715	F9PA02310004P40
					Medium	2428	1322	488	450	1520	1119	
					Boost	3561	1904	691	450	2189	1630	
iV60x120	600	595	153	1200	Normal	2154	1179	437	600	1444	884	F9PA02312004P40
					Medium	3026	1632	597	600	1862	1370	
					Boost	4565	2489	889	600	2772	2064	
iV60x140	600	595	153	1400	Normal	2582	1402	516	700	1416	1055	F9PA02314004P40
					Medium	3675	1962	711	700	2204	1622	
					Boost	5526	3090	1088	700	3356	2499	
iV60x160	600	595	153	1600	Normal	3035	1636	598	800	1643	1224	F9PA02316004P40
					Medium	4257	2302	826	800	2545	1873	
					Boost	6486	3717	1290	800	3940	2934	

\*The minimum water temperature at the sensor set ex works is 32°C.

## MEASUREMENTS AND CONNECTIONS



## ACCESSORIES

iVECTOR ACCESSORIES	
<p><b>Condensate pump set</b> 230 V condensate pump set including mounting clamps, floating switch and 1,5 m of tube for condensate draining</p>	
<p><b>Valve set</b> 3/4" internal thread of valve casing and 24V actuator</p>	