

General Information

Provide Myson iVector hydronic wall surface mount fan convector is sizes as scheduled.

- Each iVector is individually programmable
- 24/7 programmer with 1 hour time periods
- Night set-back function
- Lockable LCD backlit display
- Option to link to a building management system (BMS)
- Automatically adjusting fan speed, dependent upon room ambient temperature and user defined set point temperature
- Air intake is on the front of the cabinet. Washable air filter for cleaning
- Connections: 2 x 3/4" internal threads (2-pipe); 4 x 3/4" internal threads (4-pipe)
- Designed for use in central heating and cooling systems in residential and commercial environments. Models available with 2 or 4-pipe configurations
- Internal controller supports stand alone or integrated BMS operation
- Available finish: White (RAL 9016) – epoxy polyester powder coated cabinet, featuring *antibacterial* paint.
- Electrical requirements: 120VAC 60Hz
- Maximum continuous operating pressure: 145 psi (10 bar). Pressure testing at 290 psi (20 bar)
- Maximum continuous operating temperature: 185°F (85°C)
- Carries ETL mark and conforms to low voltage directive 2014/35/EU and the EMC Directive 2014/30/EU. Outputs are tested to BS 4856 Part 1 for heating and part 2 for cooling.



Certifications and Warranty



Warranty:
 Heat Exchanger - 10 Years
 Fan Assembly - 3 Years
 All Other parts - 1 Year

Project:
Approved by:
Submitted Date:

Approval Date:

APPROVED

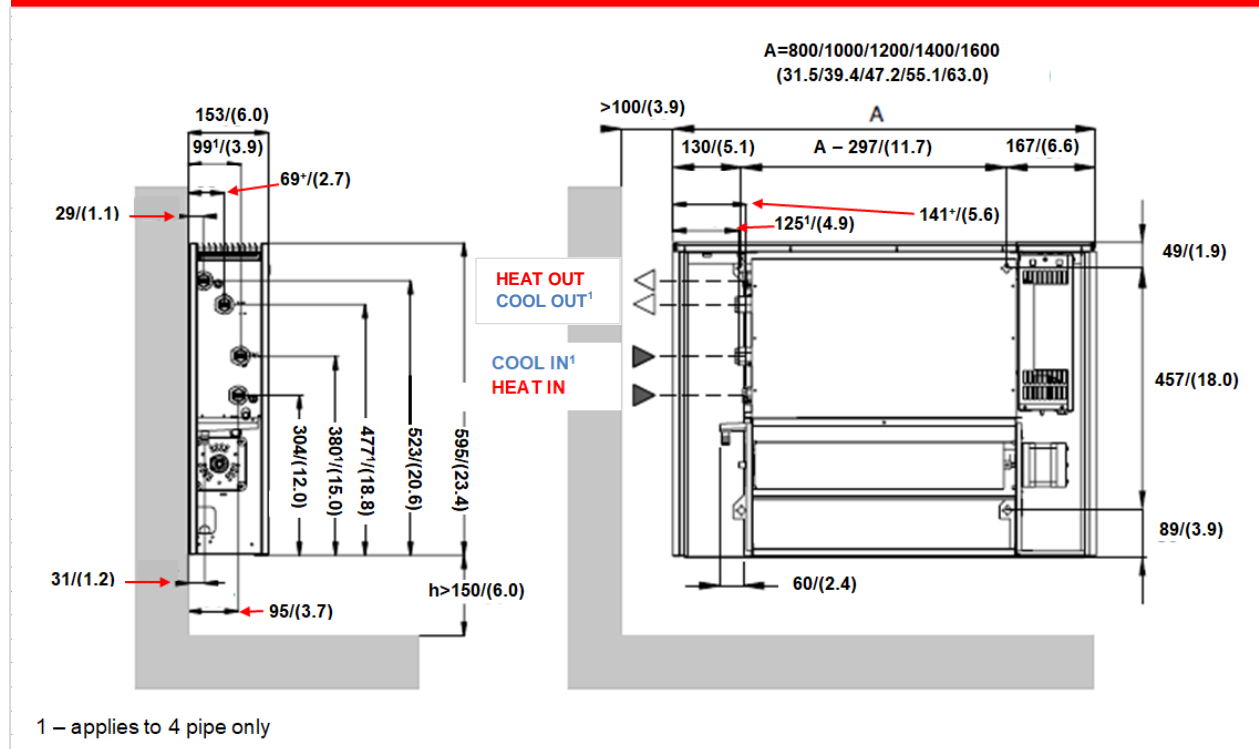
General Data

Parameter	Measurement	Fan Speed	IV60 FX 080	IV60 FX 100	Model IV60 FX 120	IV60 FX 140	IV60 FX 160
General Dimensions (see below for detail)	Height - mm/inches ¹	-	600/24	600/24	600/24	600/24	600/24
	Depth - mm/inches	-	153/6	153/6	153/6	153/6	153/6
	Length - mm/inches	-	800/32	1000/39	1200/47	1400/55	1600/63
Lab Tested Sound ²	Sound Pressure (dBA at 2.5 m/8.2 ft)	Min	21	23	21	22	22
		Max	40	42	42	45	44
Unpacked Weight & Water Volume ³	2-Pipe Weight – kg/lbs	-	23/51	28/62	33/73	38/84	43/95
	4-Pipe Weight – kg/lbs	-	25/55	30/66	35/77	41/90	46/101
	2-Pipe Volume – I/US gal	-	0.66/0.17	0.92/0.24	1.19/0.31	1.45/0.38	1.72/0.45
	4-Pipe Volume – I/US gal	-	0.33/0.09	0.46/0.12	0.6/0.16	0.73/0.19	0.86/0.23
Air Flow Rates	Heating – (m ³ /h)/cfm	Min	90/53	135/79	180/106	225/132	270/159
		Max	247/145	370/218	493/290	616/363	740/436
	Cooling - (m ³ /h)/cfm	Min	65/38	98/58	130/77	163/96	195/115
		Max	202/119	302/178	403/237	504/297	605/356
Fan Motor Power	Watts	Min	3.5	3.6	3.8	4.5	4.6
		Max	13.0	18.5	23.0	30.0	35.0
Flow Rate & Pressure Drop	2 pipe heat/cool 4 pipe cool 4 pipe heat	Flow: l/h / gpm	Pressure Drop through Unit (kPa/psi)				
		330/1.5	6.1/0.9	8.5/1.2	11.1/1.6	12.2/1.8	14.2/2.1
		500/2.2	13.0/1.9	17.8/2.6	22.9/3.3	24.9/3.6	28.7/4.2
		750/3.3	27.5/4.0	36.5/5.3	46.2/6.7	49.8/7.2	57.1/8.3
		330/1.5	12.2/1.8	17.0/2.5	22.2/3.2	24.4/3.5	28.4/4.1
500/2.2	26.0/3.8	35.6/5.2	45.8/6.6	49.8/7.2	57.4/8.3		

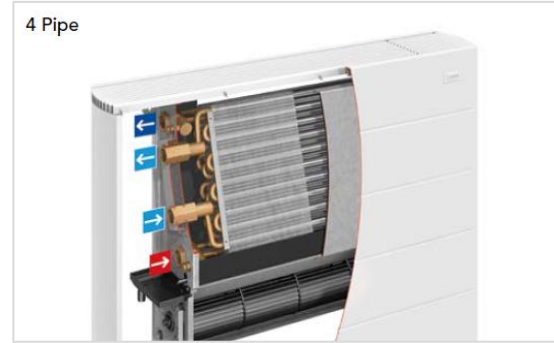
Notes:

- 1 – Unit dimensions in inches are nominal, converted from SI/metric units.
- 2 - Sound measured 3rd party laboratory and tested in accordance with ISO 3741 using onboard controller. Site conditions and unit location will impact sound levels perceived by occupants at installation site. Installation site sound pressure levels may be different.
- 3 - 2-pipe volume derived from 2 pipe heating or cooling, 4-pipe volume derived from 4-pipe heating

MOUNTING POSITIONS & DIMENSIONS mm/(nominal inches)



CONNECTION CONCEPT



Convector Output – US Imperial Units

iVector FX 2-Pipe Model	Fan Speed	Flow gpm	Heat Output – Btu/h										Cooling – Btu/h	
			Entering Water – 65°F Air Temperature										45°-54°-81°F	
			110	120	130	140	150	160	170	180	190	200	Total	Sensible
iV60 FX 080	Normal	1.5	3051	3791	4543	5304	6073	6850	7634	8423	9219	10020	2412	1798
	Medium	1.5	4023	4998	5988	6990	8003	9026	10058	11098	12146	13200	3842	2829
	Boost	1.5	5402	6709	8035	9377	10733	12102	13483	14874	16275	17684	5623	4187
iV60 FX 100	Normal	2.0	4176	4190	6218	7260	8313	9377	10450	11531	12620	13716	3450	2569
	Medium	2.0	5487	6817	8167	9533	10915	12310	13717	15134	16562	17999	5459	4019
	Boost	2.0	7481	9291	11126	12984	14862	16575	18668	20593	22532	24483	7861	5855
iV60 FX 120	Normal	2.6	5038	5261	7503	8761	10033	11317	12613	13919	15234	16559	5186	3177
	Medium	2.6	6708	8334	9984	11655	13345	15051	16771	18505	20251	22009	6688	4920
	Boost	2.6	9564	11876	14222	16597	18996	21419	23862	26323	28801	31295	9956	7414
iV60 FX 140	Normal	3.1	5923	7361	8821	10299	11795	13305	14829	16364	17911	19468	5084	3787
	Medium	3.1	7933	9856	11807	13783	15781	17798	19832	21882	23947	26025	7916	5824
	Boost	3.1	11539	14329	17158	20023	22918	25840	28787	31755	34744	37753	12055	8977
iV60 FX 160	Normal	3.5	6828	8486	10169	11874	13597	15338	17094	18864	20646	22441	5899	4395
	Medium	3.5	9157	11377	13630	15911	18217	20546	22895	25262	27646	30046	9141	6728
	Boost	3.5	13510	16776	20089	23443	26832	30253	33702	37178	40677	44199	14150	10536

Outputs as tested in accordance with BS 4856 part 1 (heating) and part 2 (cooling). Values above have been converted from IP/metric values and are rounded. Relative Humidity for testing @ 50%

iVector FX 4-Pipe Model	Fan Speed	Flow gpm	Heat Output – Btu/h										Cooling – Btu/h	
			Entering Water – 65°F Air Temperature										45°-54°-81°F	
			110	120	130	140	150	160	170	180	190	200	Total	Sensible
iV60 FX 080	Normal	1.3 ¹	2157	2681	3213	3752	4296	4846	5401	5961	6524	7091	2292	1708
	Medium	1.3 ¹	2854	3546	4249	4961	5681	6408	7141	7880	8625	9374	3650	2687
	Boost	1.3 ¹	3849	4782	5728	6686	7655	8633	9619	10613	11614	12621	5342	3977
iV60 FX 100	Normal	1.5 ²	2938	3652	4376	5109	5850	6599	7355	8116	8883	9655	3277	2441
	Medium	1.5 ²	3867	4804	5756	6720	7694	8678	9670	10671	11678	12692	5186	3818
	Boost	1.5 ²	5285	6564	7862	9175	10503	11843	13195	14557	15929	17309	7468	5562
iV60 FX 120	Normal	1.8 ³	3519	4373	5240	6118	7006	7903	8807	9719	10638	11562	4927	3018
	Medium	1.8 ³	4681	5816	6967	8133	9311	10501	11702	12911	14129	15355	6353	4674
	Boost	1.8 ³	6666	8277	9911	11565	13237	14925	16626	18340	20066	21803	9458	7044
iV60 FX 140	Normal	2.0 ⁴	4129	5131	6148	7179	8221	9273	10334	11404	12482	13567	4830	3598
	Medium	2.0 ⁴	5523	6861	8218	9593	10983	12386	13801	15227	16664	18109	7520	5533
	Boost	2.0 ⁴	8014	9949	11913	13901	15909	17937	19980	22040	24113	26200	11452	8528
iV60 FX 160	Normal	2.2 ⁵	4753	5907	7077	8263	9462	10673	11894	13125	14365	15613	5604	4175
	Medium	2.2 ⁵	6532	8118	9729	11360	13009	14674	16355	18048	19754	21471	8684	6392
	Boost	2.2 ⁵	9726	12082	14473	16895	19343	21815	24308	26820	29350	31897	13442	10009

Outputs as tested in accordance with BS 4856 part 1 (heating) and part 2 (cooling). Values above have been converted from IP/metric values and are rounded. Relative Humidity for testing @ 50%

Note: 1 – cooling @ 1.5 gpm 2 – cooling @ 2.0 gpm 3 – cooling @ 2.6 gpm 4 – cooling @ 3.1 gpm 5 – cooling @ 3.5 gpm

Convector Output – SI/Metric Units

iVector FX 2-Pipe Model	Fan Speed	Flow l/h	Heat Output – Watts										Cooling – Watts	
			Entering Water – 18°C Air Temperature										7°-12°-27°C	
			43	49	54	60	66	71	77	82	88	93	Total	Sensible
iV60 FX 080	Normal	341	894	1111	1331	1554	1780	2008	2237	2469	2702	2937	707	527
	Medium	341	1179	1465	1755	2049	2345	2645	2948	3253	3560	3869	1126	829
	Boost	341	1583	1966	2355	2748	3146	3547	3951	4359	4770	5183	1648	1227
iV60 FX 100	Normal	450	1224	1228	1822	2128	2436	2748	3063	3379	3699	4020	1011	753
	Medium	450	1608	1998	2394	2794	3199	3608	4020	4435	4854	5275	1600	1178
	Boost	450	2192	2723	3261	3805	4356	4858	5471	6035	6603	7175	2304	1716
iV60 FX 120	Normal	600	1476	1542	2199	2568	2940	3317	3697	4079	4465	4853	1520	931
	Medium	600	1966	2442	2926	3416	3911	4411	4915	5423	5935	6450	1960	1442
	Boost	600	2803	3481	4168	4864	5567	6277	6993	7715	8441	9172	2918	2173
iV60 FX 140	Normal	700	1736	2157	2585	3018	3457	3899	4346	4796	5249	5706	1490	1110
	Medium	700	2325	2889	3460	4039	4625	5216	5812	6413	7018	7627	2320	1707
	Boost	700	3382	4199	5029	5868	6717	7573	8437	9306	10182	11064	3533	2631
iV60 FX 160	Normal	800	2001	2487	2980	3480	3985	4495	5010	5528	6051	6577	1729	1288
	Medium	800	2684	3334	3995	4663	5339	6021	6710	7404	8102	8806	2679	1972
	Boost	800	3959	4917	5888	6870	7864	8866	9877	10896	11921	12953	4147	3088

Outputs as tested in accordance with BS 4856 part 1 (heating) and part 2 (cooling). Relative Humidity for testing @ 50%

iVector FX 4-Pipe Model	Fan Speed	Flow l/h	Heat Output – Watts										Cooling – Watts	
			Entering Water – 18°C Air Temperature										7°-12°-27°C	
			43	49	54	60	66	71	77	82	88	93	Total	Sensible
iV60 FX 080	Normal	300 ¹	632	786	942	1100	1259	1420	1583	1747	1912	2078	672	501
	Medium	300 ¹	836	1039	1245	1454	1665	1878	2093	2309	2528	2747	1070	787
	Boost	300 ¹	1128	1401	1679	1959	2243	2530	2819	3110	3404	3699	1566	1166
iV60 FX 100	Normal	350 ²	861	1070	1282	1497	1714	1934	2156	2379	2603	2830	960	715
	Medium	350 ²	1133	1408	1687	1969	2255	2543	2834	3127	3422	3799	1520	1119
	Boost	350 ²	1549	1924	2304	2689	3078	3471	3867	4266	4668	5073	2189	1630
iV60 FX 120	Normal	400 ³	1031	1282	1536	1793	2053	2316	2581	2848	3118	3388	1444	884
	Medium	400 ³	1372	1705	2042	2384	2729	3078	3430	3784	4141	4500	1862	1370
	Boost	400 ³	1954	2426	2905	3389	3879	4374	4873	5375	5881	6390	2772	2064
iV60 FX 140	Normal	450 ⁴	1210	1504	1802	2104	2409	2718	3029	3342	3658	3976	1416	1054
	Medium	450 ⁴	1619	2011	2408	2811	3219	3630	4045	4463	4884	5307	2204	1622
	Boost	450 ⁴	2349	2916	3491	4074	4662	5257	5856	6459	7067	7678	3356	2499
iV60 FX 160	Normal	500 ⁵	1393	1731	2074	2422	2773	3128	3486	3847	4210	4576	1642	1224
	Medium	500 ⁵	1914	2379	2851	3329	3813	4301	4793	5289	5789	6293	2545	1873
	Boost	500 ⁵	2850	3541	4242	4951	5669	6393	7124	7860	8602	9348	3939	2933

Outputs as tested in accordance with BS 4856 part 1 (heating) and part 2 (cooling). Relative Humidity for testing @ 50%
 Note: 1 – cooling @ 350 l/h 2 – cooling @ 450 l/h 3 – cooling @ 600 l/h 4 – cooling @ 700 l/h 5 – cooling 800 l/h

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