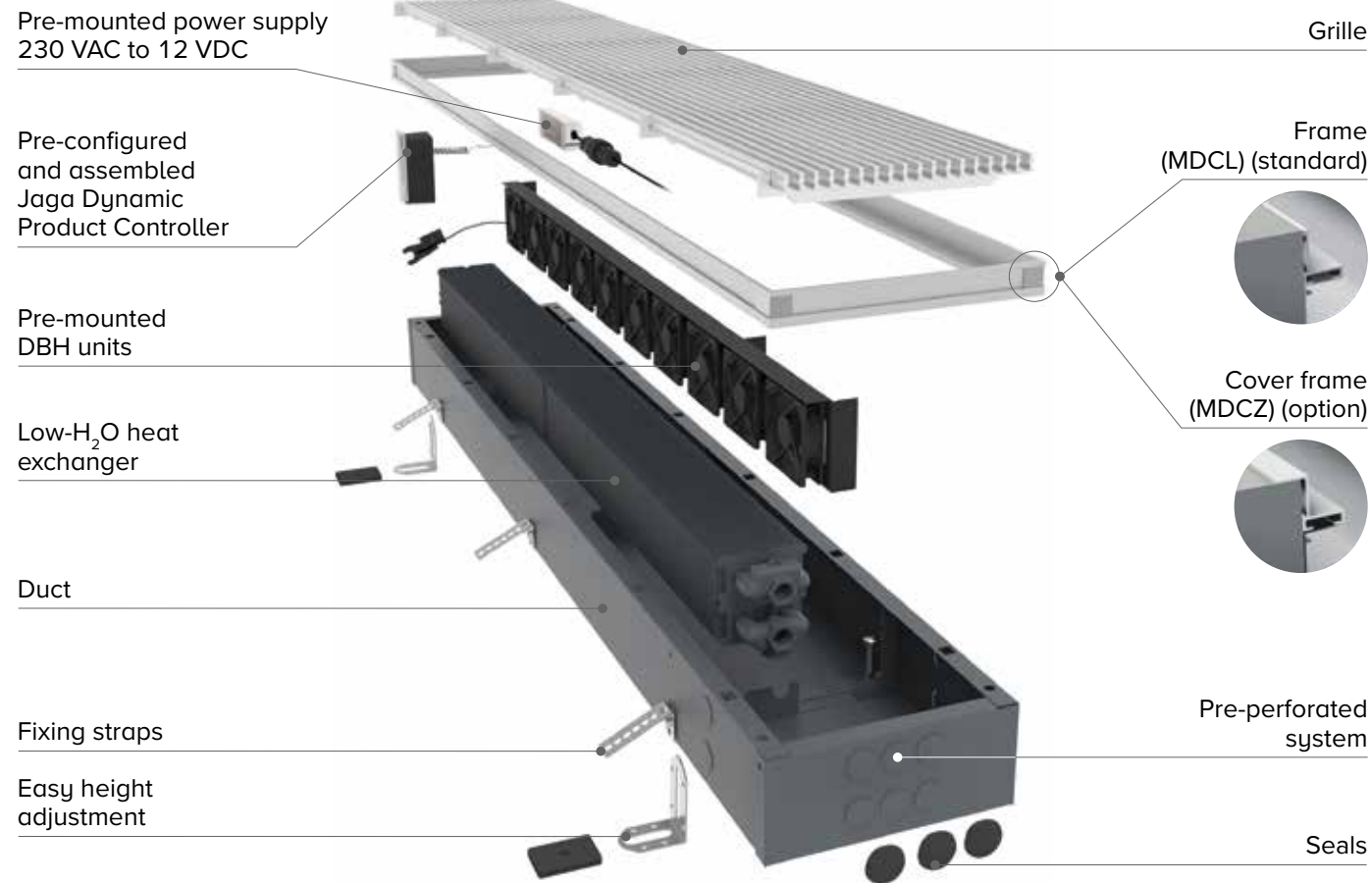


# COMPOSITION & DIMENSIONS - MINI CANAL HYBRID

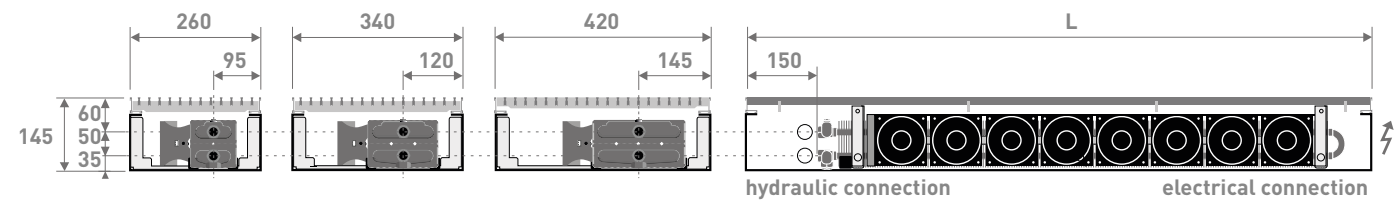
## COMPOSITION



**CONSTRUCTION**

- Heat exchanger and duct the same as Mini Canal
- Low noise 12 VDC activator set
- Equipped with Jaga Dynamic Product Controller, see below.

## DIMENSIONS in mm



## JAGA DYNAMIC PRODUCT CONTROLLER (JDPC)

Mini Canal Hybrid is supplied as standard with a Jaga Dynamic Product Controller (JDPC).

This is a multifunctional controller for heating and light cooling devices and is supplied preconfigured and assembled.

- Use standard thermostatic and lockshield valve
- Use thermostatic or remote head option for heating only
- Use Heimeier heating and cooling head for heating and light cooling (Note: senses temperature within the trench duct, not the room)
- Alternatively use thermoelectric drive via remote thermostat, remote control or BMS

- Indication of operating mode by LED's
- Control with touch operation and sensor for water temperature
- Power supply 230 VAC to 12 VDC pre-mounted (other options available - please contact Jaga for further information)
- Fan settings
  - Heating: 3 speeds (operates at water temperature >28°C – this can be modified)
  - Light cooling: 3 speeds (operates at water temperature <18°C – this can be modified)
- 0-10 V input for building management system (please contact Jaga for further information regarding BMS option)

# PERFORMANCE - MINI CANAL HYBRID

WIDTH 260

DIMENSIONS			FAN SPEED	HEATING				COOLING (Non-condensing)	SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION	WEIGHT	WATER CONTENT	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30	16/18						
mm	mm	mm		Watts	Watts	Watts	Watts	Watts	dB(A)	m³/h	Watts	kg	l	
145	1100	260	0	285	141	80	43	-	-	-	-	-	-	MDCL.014.110.026/XXX/VAC
			1	1409	788	492	293	92	26	166	8.4	13.9	0.72	
			2	1505	841	526	313	97	30	190	9.4	13.9	0.72	
			3	1568	877	548	326	97	35.7	230	11	13.9	0.72	
145	1200	260	0	335	154	82	41	-	-	-	-	-	-	MDCL.014.120.026/XXX/VAC
			1	1787	1012	639	385	108	26	212	9.6	15.2	0.78	
			2	1925	1090	689	414	115	30	242	10.6	15.2	0.78	
			3	2045	1158	732	440	117	37	306	13.9	15.2	0.78	
145	1300	260	0	359	178	101	54	-	-	-	-	-	-	MDCL.014.130.026/XXX/VAC
			1	1810	1012	633	376	120	26	212	10.8	16.4	0.85	
			2	1949	1090	681	405	128	30	242	12	16.4	0.85	
			3	2068	1156	723	430	129	37	306	14.7	16.4	0.85	
145	1500	260	0	430	213	120	64	-	-	-	-	-	-	MDCL.014.150.026/XXX/VAC
			1	2198	1229	768	457	147	26	257	13.2	19.0	0.98	
			2	2379	1330	832	494	158	30	293	14.6	19.0	0.98	
			3	2567	1435	897	533	161	38	383	18.3	19.0	0.98	
145	1700	260	0	503	249	141	75	-	-	-	-	-	-	MDCL.014.170.026/XXX/VAC
			1	2577	1441	901	536	173	26	301	15.5	21.5	1.11	
			2	2802	1567	979	582	188	30	343	17.2	21.5	1.11	
			3	3067	1715	1072	637	193	38.8	460	22	21.5	1.11	
145	1900	260	0	587	290	164	88	-	-	-	-	-	-	MDCL.014.190.026/XXX/VAC
			1	2960	1655	1035	615	199	26	343	17.8	24.0	1.24	
			2	3228	1805	1128	671	217	30	391	19.7	24.0	1.24	
			3	3578	2000	1251	744	225	39.4	536	25.7	24.0	1.24	
145	2100	260	0	644	319	180	96	-	-	-	-	-	-	MDCL.014.210.026/XXX/VAC
			1	3017	1687	1055	627	119	26	343	17.8	26.6	1.37	
			2	3285	1837	1148	683	217	30	391	19.7	26.6	1.37	
			3	3636	2033	1271	756	225	39.4	536	25.7	26.6	1.37	
145	2300	260	0	717	355	201	107	-	-	-	-	-	-	MDCL.014.230.026/XXX/VAC
			1	3345	1870	1169	695	224	26	385	20	29.1	1.50	
			2	3658	2045	1279	760	245	30	438	22.2	29.1	1.50	
			3	4100	2292	1433	852	258	40	613	29.3	29.1	1.50	
145	2500	260	0	788	390	221	118	-	-	-	-	-	-	MDCL.014.250.026/XXX/VAC
			1	3738	2090	1307	777	249	26	426	22.2	31.63	1.63	
			2	4095	2289	1431	851	273	30	485	24.6	31.63	1.63	
			3	4634	2591	1620	963	290	40.5	689	33	31.63	1.63	
145	2700	260	0	860	425	241	128	-	-	-	-	-	-	MDCL.014.270.026/XXX/VAC
			1	4089	2286	1429	850	273	26	467	24.4	34.16	1.76	
			2	4491	2511	1570	933	300	30	531	27	34.16	1.76	
			3	5134	2870	1795	1067	322	41	766	36.7	34.16	1.76	
145	2900	260	0	931	460	261	139	-	-	-	-	-	-	MDCL.014.290.026/XXX/VAC
			1	4434	2479	1550	921	297	26	506	26.5	36.69	1.89	
			2	4881	2729	1706	1014	328	30	576	29.4	36.69	1.89	
			3	5556	3106	1942	1155	362	38.1	757	36.8	36.69	1.89	
145	3100	260	0	1006	498	282	150	-	-	-	-	-	-	MDCL.014.310.026/XXX/VAC
			1	4779	2672	1670	993	320	26	546	28.7	39.22	2.02	
			2	5272	2947	1843	1096	355	30	621	31.8	39.22	2.02	
			3	5800	3243	2027	1205	386	35	733	36.4	39.22	2.02	

Part numbers: Replace MDCL with MDCZ if cover frame is required. Replace XXX with grille code. Output at 20°C room temperature. Mini Canal Hybrid is available in lengths from 700mm to 4900mm, please speak to Jaga or visit [www.jaga.co.uk](http://www.jaga.co.uk) for more information. Outputs shown at speed 0 are based on grille with minimum of 70% free air flow. For grille correction factors refer to page 40-42. Grille correction not needed for speed 1, 2 & 3. Power consumption at speed 0 assuming power supply has been switched off.

# PERFORMANCE - MINI CANAL HYBRID

WIDTH 340

DIMENSIONS			FAN SPEED	HEATING				COOLING (Non-condensing)	SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION	WEIGHT	WATER CONTENT	ORDER CODE	
H	L	B		75/65	55/45	45/35	35/30	16/18							
mm	mm	mm		Watts	Watts	Watts	Watts	Watts	dB(A)	m³/h	Watts	kg	l		
145	1100	340	0	376	186	105	56	-	-	-	-	-	-		
			1	1821	1030	650	390	104	26	158	8.4	16.8	1.08	MDCL01411034/XXX/VAC	
			2	1944	1099	694	417	113	30	180	9.4				
			3	1990	1125	710	426	113	35.7	218	11				
145	1200	340	0	442	204	109	54	-	-	-	-	-	-		
			1	2305	1305	825	496	120	26	201	9.6	18.4	1.18	MDCL01412034/XXX/VAC	
			2	2488	1409	890	535	133	30	230	10.6				
			3	2593	1469	982	558	137	37	291	13.9				
145	1300	340	0	473	234	132	71	-	-	-	-	-	-		
			1	2336	1321	833	501	133	26	201	10.8	19.9	1.27	MDCL01413034/XXX/VAC	
			2	2519	1425	899	540	148	30	230	12				
			3	2624	1484	936	562	151	37	291	14.7				
145	1500	340	0	566	280	159	85	-	-	-	-	-	-		
			1	2831	1601	1010	607	161	26	244	13.2	23.0	1.47	MDCL01415034/XXX/VAC	
			2	3076	1739	1097	659	181	30	278	14.6				
			3	3256	1841	1162	698	189	38	363	18.3				
145	1700	340	0	663	328	186	99	-	-	-	-	-	-		
			1	3315	1875	1183	711	188	26	286	15.5	26.0	1.67	MDCL01417034/XXX/VAC	
			2	3622	2048	1292	776	213	30	325	17.2				
			3	3890	2200	1388	834	226	38.8	436	22				
145	1900	340	0	773	382	217	115	-	-	-	-	-	-		
			1	3801	2150	1356	815	214	26	325	17.8	29.1	1.86	MDCL01419034/XXX/VAC	
			2	4171	2359	1488	894	245	30	371	19.7				
			3	4539	2566	1619	973	264	39.4	509	25.7				
145	2100	340	0	849	420	238	127	-	-	-	-	-	-		
			1	3877	2192	1383	831	214	26	325	17.8	32.1	2.06	MDCL01421034/XXX/VAC	
			2	4247	2401	1515	910	245	30	371	19.7				
			3	4614	2609	1646	989	264	39.4	509	25.7				
145	2300	340	0	945	467	265	141	-	-	-	-	-	-		
			1	4338	2453	1548	930	238	26	366	20	35.2	2.25	MDCL01423034/XXX/VAC	
			2	4772	2698	1703	1023	275	30	417	22.2				
			3	5248	2968	1872	1125	302	40	582	29.3				
145	2500	340	0	1039	514	291	155	-	-	-	-	-	-		
			1	4789	2708	1709	1026	262	26	405	22.2	38.3	2.45	MDCL01425034/XXX/VAC	
			2	5287	2990	1886	1133	305	30	461	24.6				
			3	5880	3325	2098	1260	339	40.5	655	33				
145	2700	340	0	1133	560	317	169	-	-	-	-	-	-		
			1	5230	2958	1866	1121	285	26	442	24.4	41.3	2.65	MDCL01427034/XXX/VAC	
			2	5794	3276	2067	1242	334	30	505	27				
			3	6511	3682	2323	1395	377	41	728	36.7				
145	2900	340	0	1227	607	344	183	-	-	-	-	-	-		
			1	5665	3204	2021	1214	308	26	481	26.5	44.4	2.84	MDCL01429034/XXX/VAC	
			2	6295	3560	2246	1349	362	30	548	29.4				
			3	7138	4037	2547	1530	424	38.1	719	36.8				
145	3100	340	0	1325	656	371	198	-	-	-	-	-	-		
			1	6097	3448	2175	1307	330	26	517	28.7	47.4	3.04	MDCL01431034/XXX/VAC	
			2	6793	3841	2424	1456	390	30	590	31.8				
			3	7495	4238	2674	1606	446	35	698	36.4				

Part numbers: Replace MDCL with MDCZ if cover frame is required. Replace XXX with grille code. Output at 20°C room temperature. Mini Canal Hybrid is available in lengths from 700mm to 4900mm, please speak to Jaga or visit [www.jaga.co.uk](http://www.jaga.co.uk) for more information. Outputs shown at speed 0 are based on grille with minimum of 70% free air flow. For grille correction factors refer to page 40-42. Grille correction not needed for speed 1, 2 & 3. Power consumption at speed 0 assuming power supply has been switched off.

# PERFORMANCE - MINI CANAL HYBRID

WIDTH 420

DIMENSIONS			FAN SPEED	HEATING				COOLING (Non-condensing)	SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION	WEIGHT	WATER CONTENT	ORDER CODE	
H	L	B		75/65	55/45	45/35	35/30	16/18							
mm	mm	mm		Watts	Watts	Watts	Watts	Watts	dB(A)	m³/h	Watts	kg	l		
145	1100	420	0	466	231	131	70	-	-	-	-	-	-		
			1	2141	1213	766	461	89	26	150	8.4	19.8	1.45	MDCL01411042/XXX/VAC	
			2	2279	1291	815	490	96	30	171	9.4				
			3	2332	1320	834	502	96	35.7	207	11				
145	1200	420	0	547	252	135	67	-	-	-	-	-	-		
			1	2711	1535	970	583	115	26	191	9.6	21.6	1.58	MDCL01412042/XXX/VAC	
			2	2915	1651	1043	627	126	30	219	10.6				
			3	3034	1718	1086	653	128	37	277	13.9				
145	1300	420	0	586	290	164	87	-	-	-	-	-	-		
			1	2749	1557	984	592	115	26	191	10.8	23.4	1.71	MDCL01413042/XXX/VAC	
			2	2953	1673	1057	636	126	30	219	12				
			3	3072	1740	1099	661	128	37	277	14.7				
145	1500	420	0	702	347	197	105	-	-	-	-	-	-		
			1	3334	1888	1193	718	140	26	232	13.2	27.0	1.98	MDCL01415042/XXX/VAC	
			2	3607	2043	1290	776	155	30	264	14.6				
			3	3810	2158	1363	820	160	38	346	18.3				
145	1700	420	0	821	406	230	123	-	-	-	-	-	-		
			1	3908	2213	1398	841	164	26	272	15.5	30.6	2.24	MDCL01417042/XXX/VAC	
			2	4249	2407	1520	914	183	30	309	17.2				
			3	4552	2578	1629	980	192	38.8	415	22				
145	1900	420	0	958	474	268	143	-	-	-	-	-	-		
			1	4485	2540	1605	965	164	26	310	17.8	34.2	2.50	MDCL01419042/XXX/VAC	
			2	4897	2773	1752	1054	183	30	353	19.7				
			3	5310	3008	1900	1143	192	39.4	484	25.7				
145	2100	420	0	1052	520	295	157	-	-	-	-	-	-		
			1	4579	2593	1638	985	187	26	309	17.8	37.9	2.77	MDCL01421042/XXX/VAC	
			2	4990	2826	1786	1074	210	30	353	19.7				
			3	5404	3061	1934	1163	224	39.4	484	25.7				
145	2300	420	0	1171	579	328	175	-	-	-	-	-	-		
			1	5126	2903	1834	1103	210	26	348	20	41.5	3.03	MDCL01423042/XXX/VAC	
			2	5609	3177	2007	1207	237	30	396	22.2				
			3	6144	3480	2198	1322	256	40	553	29.3				
145	2500	420	0	1287	637	361	192	-	-	-	-	-	-		
			1	5662	3207	2026	1219	231	26	385	22.2	45.1	3.30	MDCL01425042/XXX/VAC	
			2	6217	3521	2224	1338	263	30	438	24.6				
			3	6883	3898	2463	1481	288	40.5	622	33				
145	2700	420	0	1404	694	393	210	-	-	-	-	-	-		
			1	6188	3505	2214	1332	253	26	421	24.4	48.7	3.56	MDCL01427042/XXX/VAC	
			2	6816	3860	2439	1467	288	30	480	27				
			3	7622	4317	2727	1640	321	41	691	36.7				
145	2900	420	0	1520	752	426	227	-	-	-	-	-	-		
			1	6706	3798	2399	1443	273	26	457	26.5	52.3	3.82	MDCL01429042/XXX/VAC	
			2	7407	4195	2650	1594	313	30	520	29.4				
			3	8350	4729	2988	1797	359	38.1	683	36.8				
145	3100	420	0	1642	812	460	245	-	-	-	-	-	-		
			1	7222	4090	2584	1554	294	26	492	28.7	55.9	4.09	MDCL01431042/XXX/VAC	
			2	7997	4529	2861	1721	338	30	561	31.8				
			3	8779	4972	3141	1889	380	35	663	36.4				

Part numbers: Replace MDCL with MDCZ if cover frame is required. Replace XXX with grille code. Output at 20°C room temperature. Mini Canal Hybrid is available in lengths from 700mm to 4900mm, please speak to Jaga or visit [www.jaga.co.uk](http://www.jaga.co.uk) for more information. Outputs shown at speed 0 are based on grille with minimum of 70% free air flow. For grille correction factors refer to page 40-42. Grille correction not needed for speed 1, 2 & 3. Power consumption at speed 0 assuming power supply has been switched off.