

North American Retrofit Products

Local for local supply chain.

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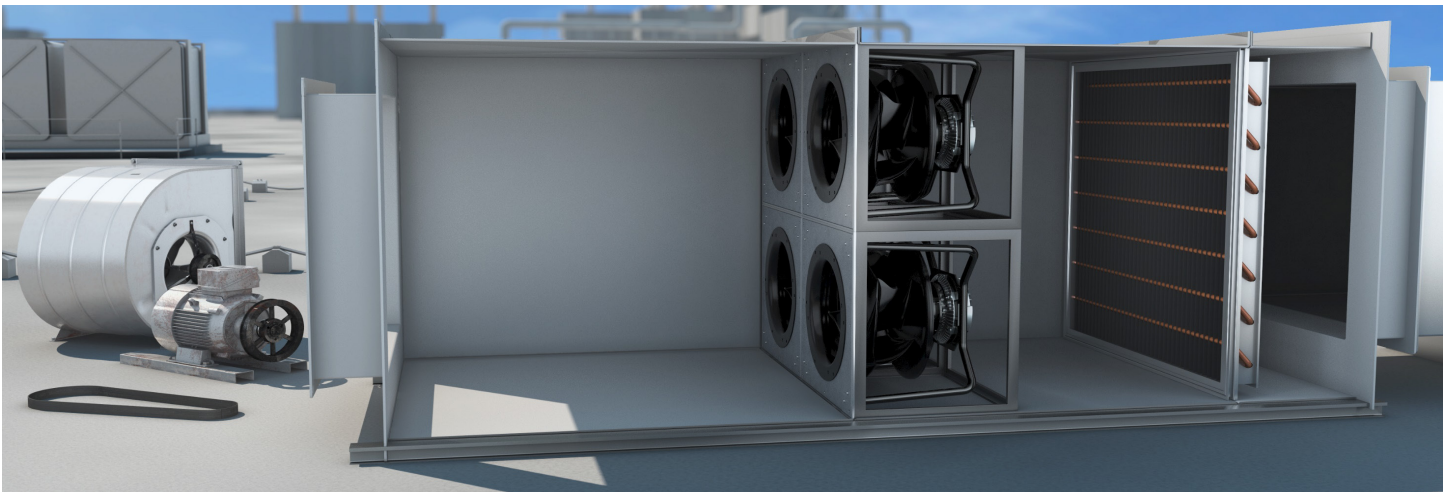
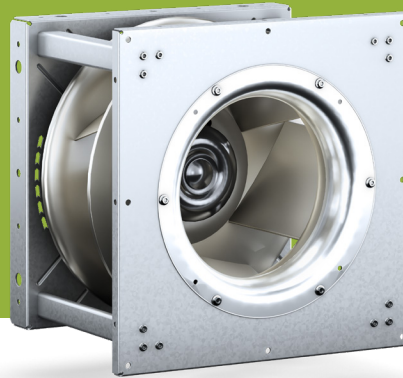


Air handling units (AHUs)

EC Radial fans



Scan here
for more



Plug fan

The EC Modular Plenum Fan (MPF) is the heart of every Air Handling Unit. *MPFs are smaller, lighter, and more efficient than traditional AC motor/fan combinations.

Modular plenum fans are available in various sizes, from 310 mm to 630mm in diameter, ensuring you can find the perfect fit for your project. Each module has internal drive electronics, an integral mounting plate, and a pressure tap.

Whether you want to take an N+1 or N-1 approach to your environmental needs, our engineers have the solution.



*Stackable fan wall

Chillers

EC axial fans



The EC Axial fan is crucial to efficient Chiller operation.

EC Axial fans are significantly smaller, quieter, and more efficient than traditional large AC motor/fan combinations. This makes ebm-papst EC fans easier to handle and install, in many instances without heavy equipment.

ebm-papst's axials are available in various sizes, from 630 mm to 910mm in diameter. Each module has internal drive electronics and integral housings and can be equipped with guards and guide vanes.

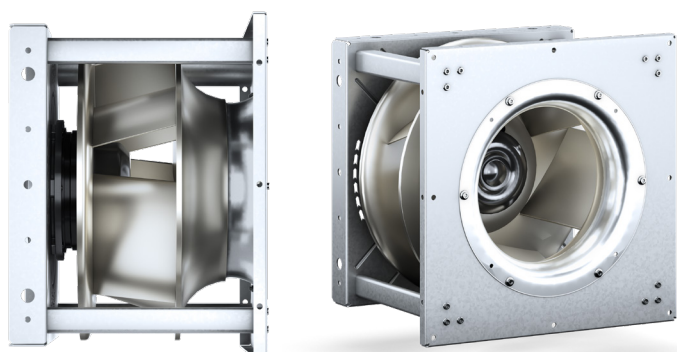
EC fans provide many advantages to traditional solutions.

Whether you want a N+1 or N-1 Air Handling System, our engineers will tailor a maintenance free solution for your project.

Available in 4 kW, with fan performances ranging from 7,600 to 18,900 CFM and 0.4 to 1.8 in. wg, Ebm-papst can design a system to meet your needs.

North American 4.5 + 8kW

EC modular plenum fans - Specifications



With over 500 employees and 427,000 sq. ft. in Connecticut and Tennessee, we're dedicated to serving our North American partners.

Our local-for-local supply chain philosophy enables us to significantly improve our service to meet our diverse Air Conditioning, Data Center, Heating, Refrigeration, and Ventilation customers' needs. Built at our TN and CT facilities, our Stackable Fan Cubes make upgrading your air handling system much less invasive and costly, and easily transported and installed.

Our cubes are designed to save you time and money, especially when resources are limited. While we've highlighted our most popular sizes, we offer a variety of other options as well. Reach out to ebm-papst to discover how we can assist with your retrofit project.

Nominal data

		Power	Speed	Max air flow	Max pressure	Nominal voltage	Current draw
Part number	Motor/Impeller	W	RPM	CFM	in. wg	VAC	A
EG1R480450A26	R3G450-PA31-03	4607	2240	6889	7.45	380-480	6.20
EG1R240450A26	R3G450-PA29-13	3924	2900	7130	6.45	200-240	10.40
EG1R480500A26	R3G500-PB24-03	4177	2000	8226	5.93	380-480	5.60
EG1R240500A26	R3G500-PA33-13	3911	1930	8085	5.59	200-240	10.40
EG1R480560A26	R3G560-PB31-03	4494	1675	10235	5.36	380-480	6.00
EG1R240560A26	R3G560-PB37-13	3802	1585	9241	4.68	200-240	10.10
EG1R480450B26	R3G450PB29L1	7011	2810	7870	9.1	380-480	9.9
EG1R240450B26	R3G450PB35Q1	5723	2610	7436	7.1	200-240	16.1
EG1R480500B26	R3G500PC16L1	7216	2410	9654	8.1	380-480	10.1
EG1R240500B26	R3G500PC18Q1	7201	2372	9509	8.3	200-240	19.2
EG1R480560B26	R3G560PC10L1	6055	1870	10120	6.1	380-480	8.3
EG1R240560B26	R3G560PC13Q1	5935	1835	10387	5.9	200-240	16

Weight data

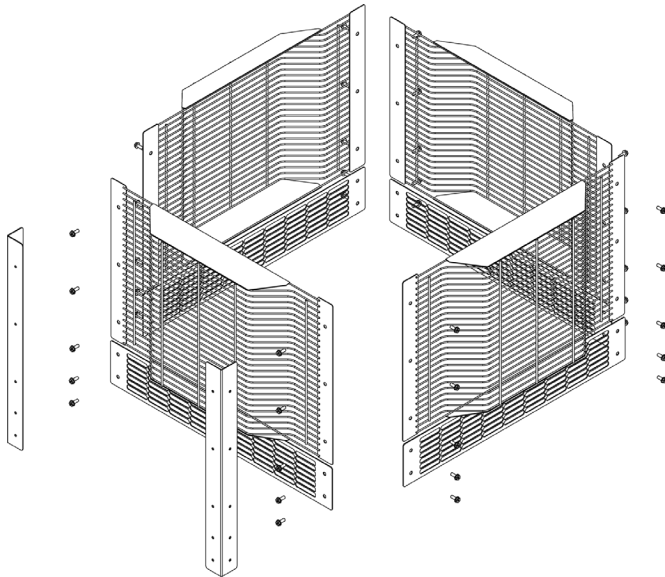
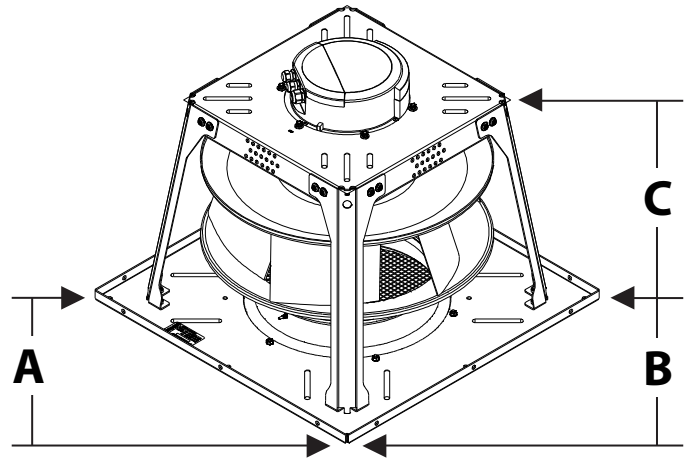
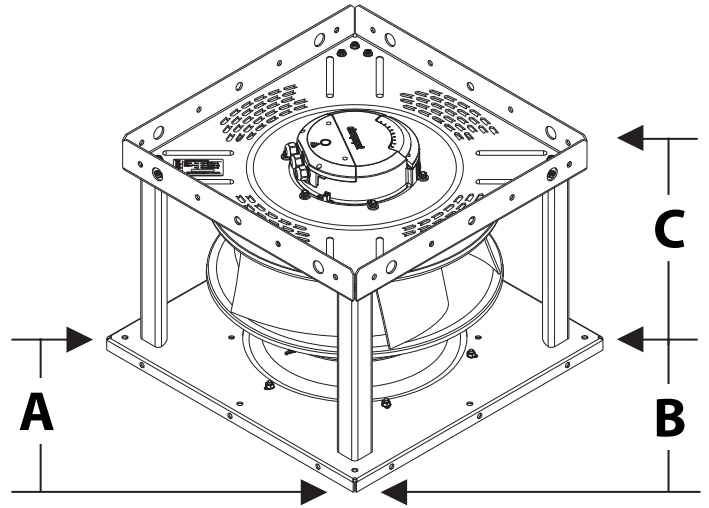
	Fan Weight	Fan Weight	Fans per Pallet	Total Pallet Weight	Total Pallet Weight	Pallet Dimensions	Pallet Dimensions
Part number	lbs.	kg		lbs	kg	LxWxH in	LxWxH mm
EG1R480450A26	99	45	3	297	135	32x32x57.98	813x813x1473
EG1R240450A26	97	44	3	291	132	32x32x57.98	813x813x1473
EG1R480500A26	110	50	3	330	150	32x32x63.38	813x813x1610
EG1R240500A26	110	50	3	330	150	32x32x63.38	813x813x1610
EG1R480560A26	140	64	3	420	191	36x36x65.3	915x915x1659
EG1R240560A26	140	64	3	420	191	36x36x65.3	915x915x1659
EG1R480450B26	108	49	3	359	163	32x32x62.34	813x813x1583
EG1R240450B26	108	49	3	359	163	32x32x62.34	813x813x1583
EG1R480500B26	110	50	2	251	114	32x32x44.68	813x813x1135
EG1R240500B26	110	50	2	251	114	32x32x44.68	813x813x1135
EG1R480560B26	150	68	2	340	154	36x36x47.52	915x915x1207
EG1R240560B26	150	68	2	340	154	36x36x47.52	915x915x1207

Table data and chart information subject to change. Please connect with your local applications engineer for additional details and full product / operation instructions.

North American 4.5 + 8kW

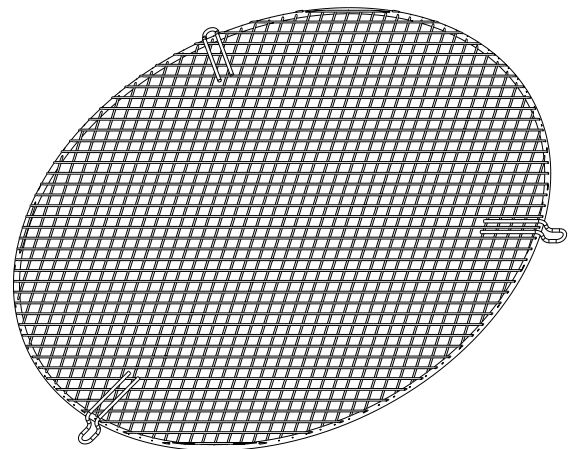
Dimensions

	Dim-A	Dim-B	Dim-C
Part number	In. (mm)	In. (mm)	In. (mm)
EG1R480450A26	24.8 (630)	24.8 (630)	17.66 (450)
EG1R240450A26	24.8 (630)	24.8 (630)	17.66 (450)
EG1R480500A26	24.8 (630)	24.8 (630)	19.46 (500)
EG1R240500A26	24.8 (630)	24.8 (630)	19.46 (500)
EG1R480560A26	31.5 (800)	31.5 (800)	20.1 (510)
EG1R240560A26	31.5 (800)	31.5 (800)	20.1 (510)
EG1R480450B26	24.8 (630)	24.8 (630)	21.58 (548)
EG1R240450B26	24.8 (630)	24.8 (630)	21.58 (548)
EG1R480500B26	24.8 (630)	24.8 (630)	24.19 (614)
EG1R240500B26	24.8 (630)	24.8 (630)	24.19 (614)
EG1R480560B26	31.5 (800)	31.5 (800)	25.61 (651)
EG1R240560B26	31.5 (800)	31.5 (800)	25.61 (651)



Exhaust guard kit

Part number	Size	Description
HX0K-000-450-04	450	450 4kW Exhaust Guard Kit
HX0K-000-500-04	500	500 4kW Exhaust Guard Kit
HX0K-000-560-04	560	560 4kW Exhaust Guard Kit
HX0K-000-450-08	450	450 8kW Exhaust Guard Kit
HX0K-000-500-08	500	500 8kW Exhaust Guard Kit
HX0K-000-560-08	560	560 8kW Exhaust Guard Kit

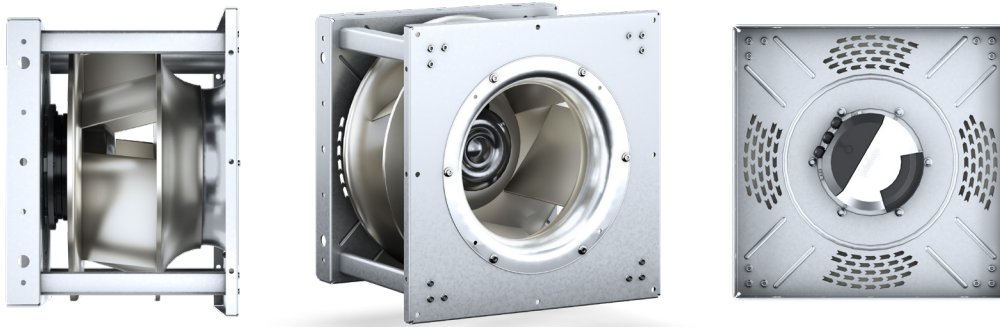


Intake guard

Part number	Size	Description
79500-2-4039	450-500	400-500 4kW / 8kW Intake Guard
79560-2-4039	560	560 4kW / 8kW Intake Guard

575 VAC 4.5 + 8kW

EC modular plenum fans - Specifications



Nominal data

		Power	Speed	Max air flow	Max pressure	Nominal voltage	Current draw
Part number	Motor/Impeller	W	RPM	CFM	in. wg	VAC	A
EG1R575310A26	R3G310PV65T1	3526	4170	4248	9.8	575	4.04
EG1R575355A26	R3G355PV72T1	3858	3550	5157	8.9	575	4.39
EG1R575400A26	R3G400PA28G1	4597	2965	7158	7.5	575	5.17
EG1R575450A26	R3G450PA25G1	4674	2477	8458	7.5	575	5.25
EG1R575500A26	R3G500PA38G1	4283	1990	9535	6	575	4.78
EG1R575560A26	R3G560PB21G1	4350	1700	6880	3.61	575	4.80
EG1R575450B26	R3G450PB33T1	6056	2685	8538	8.6	575	7.00
EG1R575500B26	R3G500PB31T1	5442	2174	9512	6.9	575	6.20
EG1R575560B26	R3G560PC08T1	5600	1840	12620	5.6	575	6.40

Weight data

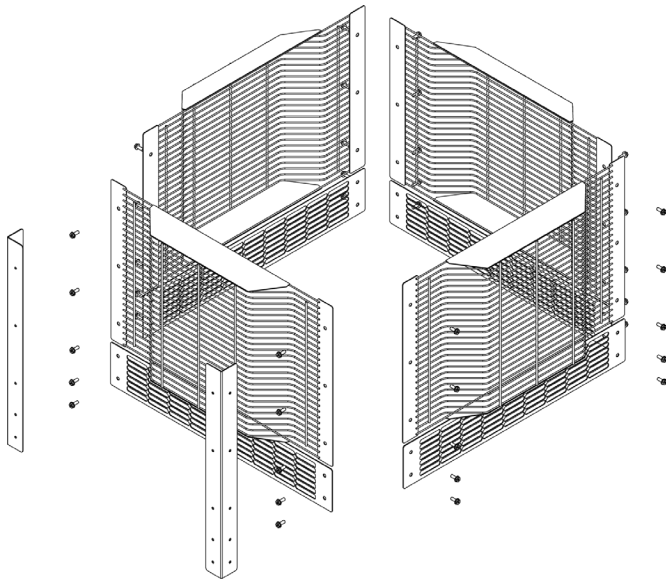
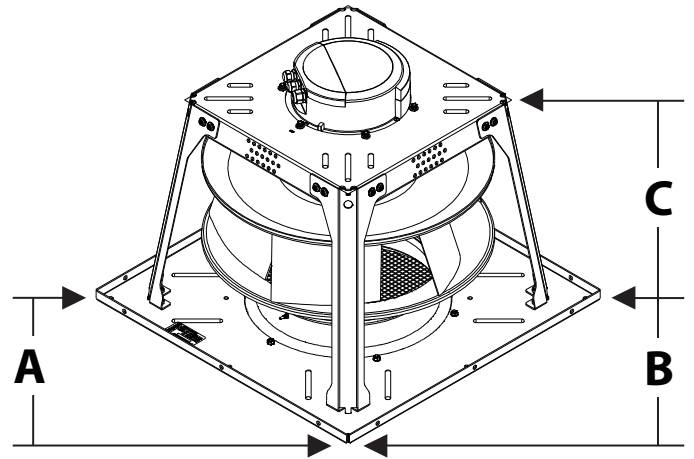
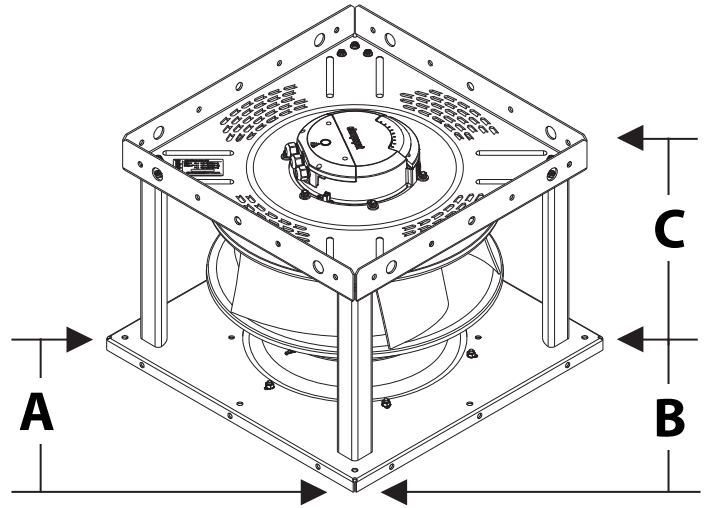
		Fan Weight	Fan Weight	Fans per Pallet	Total Pallet Weight	Total Pallet Weight	Pallet Dimensions	Pallet Dimensions
Part number		lbs.	kg		lbs	kg	LxWxH in	LxWxH mm
EG1R575310A26		62	28	3	216	98	32 x 32 x 48	813 x 813 x 1219
EG1R575355A26		64	29	3	222	101	32 x 32 x 52	813 x 813 x 1321
EG1R575400A26		79	36	3	267	121	32 x 32 x 55	813 x 813 x 1397
EG1R575450A26		108	49	3	354	161	32 x 32 x 60	813 x 813 x 1524
EG1R575500A26		101	46	3	333	151	32 x 32 x 63	813 x 813 x 1600
EG1R575560A26		150	68	3	490	222	36 x 36 x 67	915 x 915 x 1702
EG1R575450B26		108	49	3	354	161	32 x 32 x 60	813 x 813 x 1321
EG1R575500B26		110	50	2	260	118	36 x 36 x 45	915 x 915 x 1143
EG1R575560B26		167	76	2	391	177	36 x 36 x 48	915 x 915 x 1219

Table data and chart information subject to change. Please connect with your local applications engineer for additional details and full product / operation instructions.

575 VAC 4.5 + 8kW

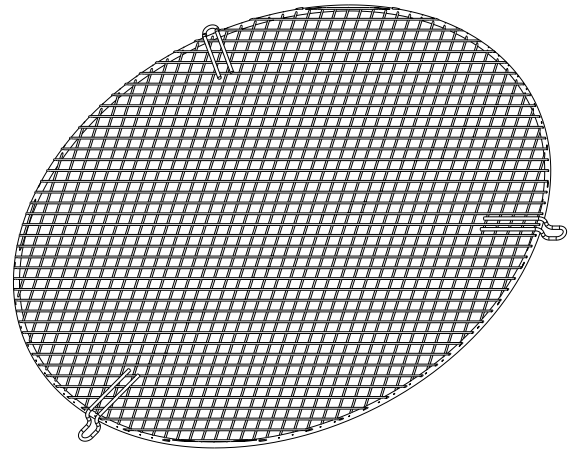
Dimensions

	Dim-A	Dim-B	Dim-C
Part number	In. (mm)	In. (mm)	In. (mm)
EG1R575310A26	19.7 (500)	19.7 (500)	15 (381)
EG1R575355A26	19.7 (500)	19.7 (500)	15.5 (394)
EG1R575400A26	19.7 (500)	19.7 (500)	16.6 (422)
EG1R575450A26	24.8 (630)	24.8 (630)	18.3 (465)
EG1R575500A26	24.8 (630)	24.8 (630)	19.3 (490)
EG1R575560A26	31.5 (800)	31.5 (800)	20.6 (523)
EG1R575450B26	24.8 (630)	24.8 (630)	21.57 (548)
EG1R575560B26	24.8 (630)	24.8 (630)	24.19 (614)
EG1R575560B26	31.5 (800)	31.5 (800)	25.59 (650)



Exhaust guard kit

Part number	Size	
HX0K-000-450-04	450	450 4kW Exhaust Guard Kit
HX0K-000-500-04	500	500 4kW Exhaust Guard Kit
HX0K-000-560-04	560	560 4kW Exhaust Guard Kit
HX0K-000-450-08	450	450 8kW Exhaust Guard Kit
HX0K-000-500-08	500	500 8kW Exhaust Guard Kit
HX0K-000-560-08	560	560 8kW Exhaust Guard Kit

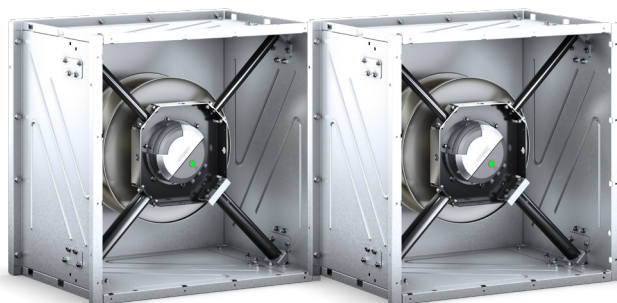


Intake guard

Part number	Size	Description
79500-2-4039	450-500	400-500 4kW / 8kW Intake Guard
79560-2-4039	560	560 4kW / 8kW Intake Guard

North American 4.5 + 8kW

EC Stackable fans (cubes) - Specifications



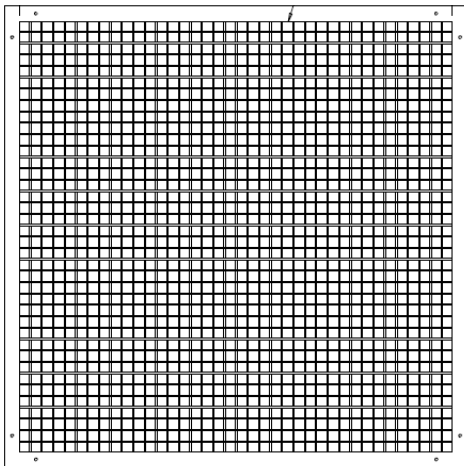
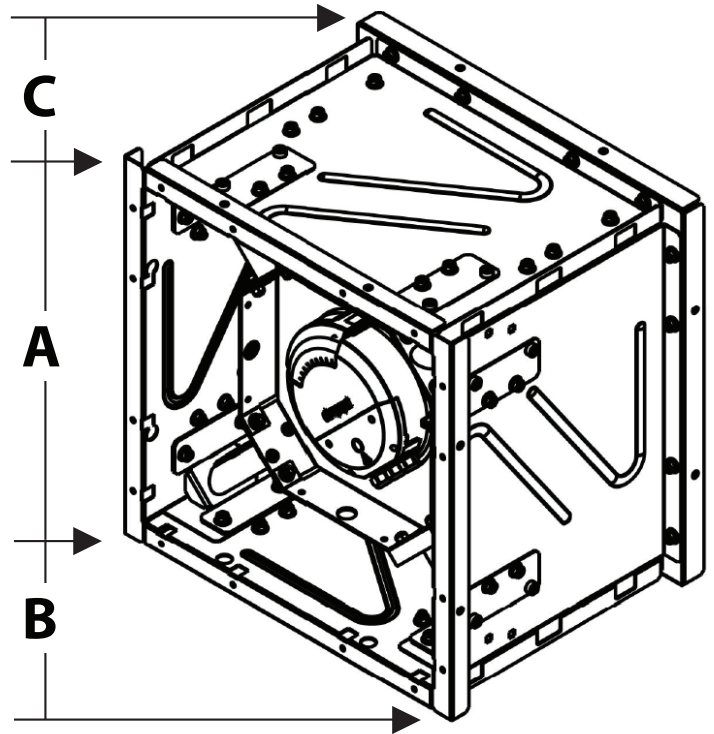
Nominal data		Power	Speed	Max air flow	Max pressure	Nominal voltage	Current draw
Part number	Motor/Impeller	W	RPM	CFM	in. wg	VAC	A
4.5kW	EG1R480310GA01	3153	3990	3689	9	380-480	4.30
	EG1R240310GA01	3233	3985	3653	9	200-240	8.60
	EG1R480400GA01	3817	2795	5780	7.1	380-480	5.10
	EG1R240400GA01	3927	2800	5774	7.1	200-240	10.43
	EG1R480450GA01	4545	2445	6457	7.1	380-480	6.10
	EG1R240450GA01	3922	2300	6893	6.2	200-240	10.41
	EG1R480500GA01	4017	1995	7861	5.5	380-480	5.40
	EG1R 240500GA01	3859	1940	7750	5.2	200-240	10.02
	EG1R480560GA01	4510	1685	9862	5.3	380-480	6.00
	EG1R240560GA01	3733	1585	8971	4.6	200-240	9.90
8kW	EG1R480450GB01	6800	2800	6250	6.02	380-480	10.3
	EG1R240450GB01	5600	2600	5710	5.22	200-240	16.5
	EG1R480500GB01	7000	2400	6875	5.62	380-480	10.7
	EG1R240500GB01	7150	2400	6375	6.02	200-240	21.5
	EG1R480560GB01	5950	1860	7705	4.22	380-480	9.2
	EG1R240560GB01	5850	1830	7020	4.42	200-240	17.7

Weight data		Fan Weight	Fan Weight	Fans per Pallet	Total Pallet Weight	Total Pallet Weight	Pallet Dimensions	Pallet Dimensions
Part number		lbs.	kg		lbs.	kg	LxWxH in	LxWxH mm
EG1R480310GA01		102	46.4	2	204	92.8	32x48x29	812.8x1219.2x736.6
EG1R240310GA01		102	46.4	2	204	92.8	32x48x29	812.8x1219.2x736.6
EG1R480400GA01		142	64.5	2	284	129	32x48x35	812.8x1219.2x889
EG1R240400GA01		142	64.5	2	284	129	32x48x35	812.8x1219.2x889
EG1R480450GA01		189	86	1	189	86	42x42x31.0	1066.8x1066.8x787.4
EG1R240450GA01		189	86	1	189	86	42x42x31.1	1066.8x1066.8x787.3
EG1R480500GA01		202	91.8	1	202	91.8	42x42x31.1	1066.8x1066.8x790
EG1R 240500GA01		192	87.3	1	192	87.3	42x42x31.0	1066.8x1066.8x789
EG1R480560GA01		255	116	1	255	116	42x42x33.6	1066.8x1066.8x853.44
EG1R240560GA01		228	103.6	1	228	103.6	42x42x33.5	1066.8x1066.8x853.43
EG1R480450GB01		207	93.9	1	264	119.7	42x42x31.0	1066.8x1066.8x787.4
EG1R240450GB01		207	93.9	1	264	119.7	42x42x31.1	1066.8x1066.8x787.3
EG1R480500GB01		219	99.3	1	276	125.2	42x42x31.1	1066.8x1066.8x790
EG1R240500GB01		219	99.3	1	276	125.5	42x42x31.0	1066.8x1066.8x789
EG1R480560GB01		275	124.7	1	335	152	42x42x33.6	1066.8x1066.8x853.44
EG1R240560GB01		245	111.1	1	305	138.3	42x42x33.5	1066.8x1066.8x853.43

Table data and chart information subject to change. Please connect with your local applications engineer for additional details and full product / operation instructions.

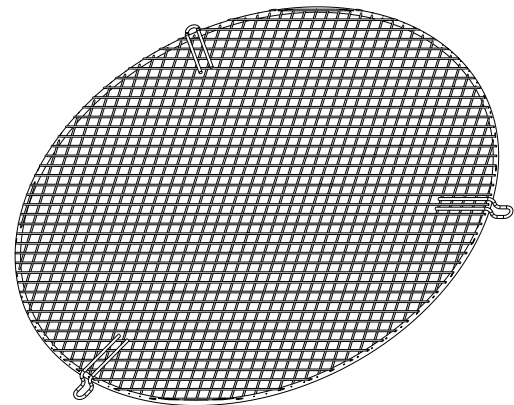
North American (cube) 4.5 - 8kW Dimensions

	Dim-A	Dim-B	Dim-C
Part number	In. (mm)	In. (mm)	In. (mm)
EG1R480310GA01	24 (610)	24 (610)	18.5 (470)
EG1R240310GA01	24 (610)	24 (610)	18.5 (470)
EG1R480400GA01	30 (762)	30 (762)	20.26 (514)
EG1R240400GA01	30 (762)	30 (762)	20.26 (514)
EG1R480450GA01	36.5 (927)	36.5 (927)	26 (660.5)
EG1R240450GA01	36.5 (927)	36.5 (927)	26 (660.5)
EG1R480500GA01	36.5 (927)	36.5 (927)	26 (660.5)
EG1R 240500GA01	36.5 (927)	36.5 (927)	26 (660.5)
EG1R480560GA01	40.5 (1029)	40.5 (1029)	28.6 (724)
EG1R240560GA01	40.5 (1029)	40.5 (1029)	28.6 (724)
EG1R480450GB01	36.5 (927)	36.5 (927)	26 (660.5)
EG1R240450GB01	36.5 (927)	36.5 (927)	26 (660.5)
EG1R480500GB01	36.5 (927)	36.5 (927)	26 (660.5)
EG1R240500GB01	36.5 (927)	36.5 (927)	26 (660.5)
EG1R480560GB01	40.5 (1029)	40.5 (1029)	28.6 (724)
EG1R240560GB01	40.5 (1029)	40.5 (1029)	28.6 (724)



Exhaust guard kit

Part number	Size
725-00-0026	310 Exhaust Guard Kit
725-00-0025	400 Exhaust Guard Kit
TBD	450 Exhaust Guard Kit
725-00-0024	500 Exhaust Guard Kit
725-00-0023	560 Exhaust Guard Kit



Intake guard

Part number	Size
TBD	310 Intake Guard Kit
79500-2-4039	450 Intake Guard Kit
	500 Intake Guard Kit
79560-2-4039	560 Intake Guard Kit

North American 4.5kW

EC Axial fans - Specifications



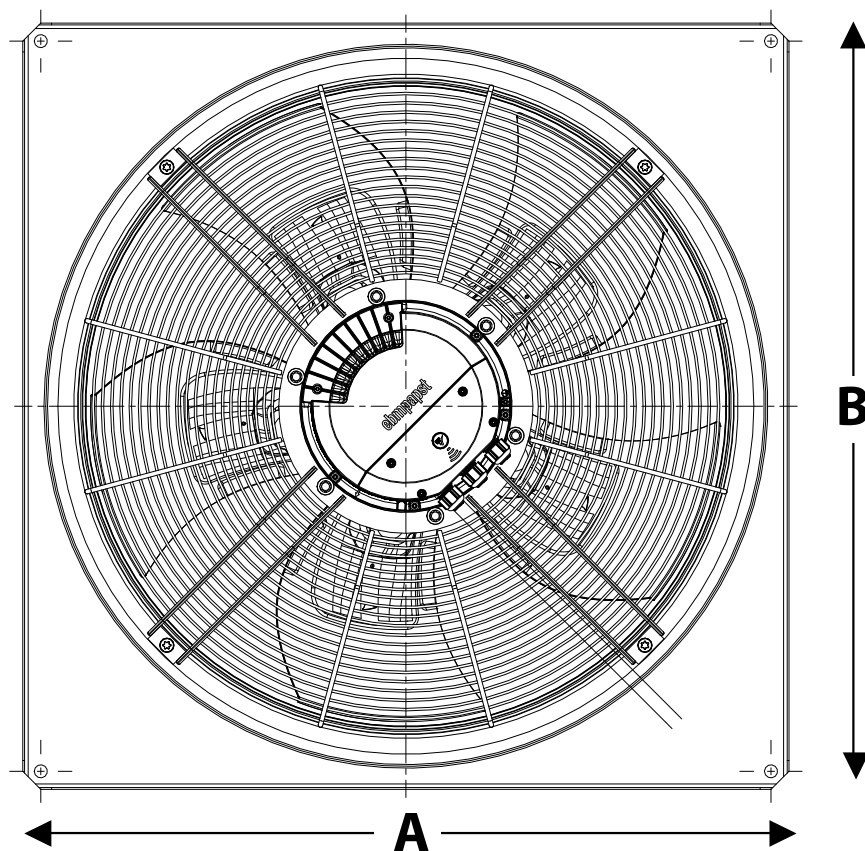
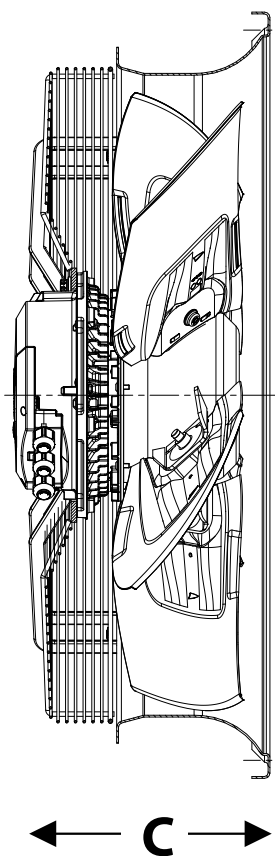
4.5kW

Nominal data		Power	Speed	Max air flow	Max pressure	Nominal voltage	Current draw
Part number	Type	W	RPM	CFM	in. wg	VAC	A
W3G630-GU31-03F	HyBlade	3700	1580	8695	1.36	380-480	5.60
W3G710-GU23-03F	HyBlade	3700	1360	9970	1.28	380-480	5.60
W3G800-LV05-03F	AxiBlade	3500	1190	18680	1.41	380-480	5.30
W3G910-KV12-03F	AxiBlade	3200	1050	21230	1.04	380-480	4.90
W3G800-KV05-D1F	AxiBlade	3400	1150	18490	1.32	380-480	5.20
W3G800-LV05-D1F	AxiBlade	3500	1190	10565	1.41	380-480	5.30
W3G910-KV12-D1F	AxiBlade	3250	1070	12855	1.2	380-480	5.00
W3G910-LV12-D1F	AxiBlade	3250	1070	21085	1.2	380-480	5.00

4.5kW

Weight data	Fan Weight		Fans per Pallet	Total Pallet Weight	Total Pallet Weight	Pallet Dimensions	Pallet Dimensions
Part number	lbs.	kg		lbs	kg	LxWxH in	LxWxH mm
W3G630-GU31-03F	83	38	4	389	176	36x36x45.6	915x915x1158.24
W3G710-GU23-03F	102	46	4	465	211	36x36x50	915x915x1270
W3G800-LV05-03F	113	51	4	452	204	42x42x60.4	1066.8x1066.8x1531.7
W3G910-KV12-03F	119	54	3	357	162	48x48x47.1	1219.2x1219.2x1198.87
W3G800-KV05-D1F	114	52	4	456	208	42x42x60.3	1066.8x1066.8x1531.6
W3G800-LV05-D1F	113	51	4	452	204	42x42x60.4	1066.8x1066.8x1531.7
W3G910-KV12-D1F	119	54	3	357	162	48x48x47.1	1219.2x1219.2x1198.87
W3G910-LV12-D1F	129	59	3	387	177	48x48x47.2	1219.2x1219.2x1198.88

Table data and chart information subject to change. Please connect with your local applications engineer for additional details and full product / operation instructions.



North American (axials) 4.5kW *Dimensions*

	Dim-A	Dim-B	Dim-C
Part number	In. (mm)	In. (mm)	In. (mm)
W3G630-GU31-03F	31.7 (805)	31.7 (805)	10.16 (258)
W3G710-GU23-03F	33.5 (850)	33.5 (850)	11.2 (284)
W3G800-LV05-03F	38.2 (970)	38.2 (970)	13.8 (350)
W3G910-KV12-03F	42.1 (1070)	42.1 (1070)	13.3 (338)
W3G800-KV05-D1F	38.2 (970)	38.2 (970)	13.8 (348)
W3G800-LV05-D1F	38.2 (970)	38.2 (970)	13.8 (348)
W3G910-KV12-D1F	42.1 (1070)	42.1 (1070)	13.9 (352)
W3G910-LV12-D1F	42.1 (1070)	42.1 (1070)	13.9 (352)

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