

AGRI-MAX HAF

Chimney Tube Fan

ELTA



AGRI-MAX HAF

Product Overview

Designed, built and distributed in the UK, the Agri-Max is a fan for round chimney installations. It follows industry-standard chimney sizing making it perfect for a new shed or as a direct replacement for your existing fan unit. Based on the proven agricultural Hydor HXP motor and Elta's high efficiency impeller, the components have been proven on farm for over 10 years with extensive support and next day cost-effective spares availability should the worst happen.

The Agri-Max has been designed based on not only 60 years experience of agricultural ventilation but also, the needs and wants from real customers on farm, seeing how they use our fans everyday.

The result is an efficient chimney fan constructed from quality components with agriculture in mind from the beginning. We assemble, balance and pack by hand at our UK manufacturing facility to ensure, at every stage, that your fan is built to the highest standard

- 3 Year warranty
- Fits standard ventilation chimneys from any manufacturer
- 3 & 4 arm configurations
- Available in AC & EC models
- 2 bracket types for easy replacement
- Complete unit and spares available next day from stock for minimum downtime and cost
- Designed and built for agriculture in Britain. Deployed extensively on farm for real-world usage testing
- Limitless diameters possible
- IP55 protection



AGRI-MAX HAF

Performance, SFP & Electrical Data

AC Single Phase 220V to 240V / 50Hz

Model Size	Speed (r/min)	Airflow SFP	Airflow m³/s @ Static Pressure (Pa)					At Best Efficiency Point				Peak Amps	dBA @ 3m	
			0	25	50	75	100	Overall Eff%	Motor Rating (kW)	Input (kW)	FMEG			
HAF50041A	1379	m³/s	2.204	2.097	1.968	1.813	1.626	32.8	0.5	0.539	40	2.53	Inlet	54
		W/(L/s)	0.20	0.22	0.25	0.28	0.32						Outlet	54
HAF50061A	954	m³/s	1.623	1.463	1.257	0.941	-	35.0	0.19	0.206	45	1.40	Inlet	45
		W/(L/s)	0.11	0.13	0.16	0.22	-						Outlet	44
HAF63061A	924	m³/s	3.365	3.163	2.934	2.677	2.355	37.0	0.55	0.653	44	3.12	Inlet	57
		W/(L/s)	0.16	0.18	0.21	0.24	0.28						Outlet	56
HAF71061A	913	m³/s	3.982	3.675	3.294	2.784	-	32.6	0.67	0.655	40	3.11	Inlet	62
		W/(L/s)	0.16	0.17	0.20	0.24	-						Outlet	62
HAF80061A	914	m³/s	5.450	4.989	4.544	4.073	3.477	36.3	0.67	0.959	42	4.22	Inlet	58
		W/(L/s)	0.16	0.18	0.21	0.24	0.28						Outlet	58

Data provided is at standard air density of 1.2 kg/m³.
Overall static efficiency, r/min and FMEG values are per ISO 12759. Installation Category A.
Peak Amps @ 230V / 1PH / 50Hz.
The overall A-weighted sound pressure level is at a distance of 3m with spherical free-field propagation. It is expressed in dB re-20µPa and is presented for comparative purposes only.

AC Three Phase 380V to 415V / 50Hz

Model Size	Speed (r/min)	Airflow SFP	Airflow m³/s @ Static Pressure (Pa)					At Best Efficiency Point				Peak Amps	dBA @ 3m	
			0	25	50	75	100	Overall Eff%	Motor Rating (kW)	Input (kW)	FMEG			
HAF50063A	926	m³/s	1.654	1.469	1.246	0.879	-	33.4	0.19	0.209	44	0.68	Inlet	46
		W/(L/s)	0.11	0.13	0.16	0.23	-						Outlet	46
HAF56063A	872	m³/s	2.254	1.985	1.689	-	-	31.5	0.19	0.291	41	0.74	Inlet	47
		W/(L/s)	0.12	0.14	0.17	-	-						Outlet	47
HAF63063A	912	m³/s	3.323	3.010	2.689	2.301	-	36.6	0.55	0.483	44	1.70	Inlet	57
		W/(L/s)	0.14	0.16	0.18	0.21	-						Outlet	56
HAF71063A	862	m³/s	4.498	4.138	3.678	3.117	-	35.4	0.55	0.354	42	1.41	Inlet	62
		W/(L/s)	0.14	0.16	0.19	0.22	-						Outlet	61
HAF80063A	896	m³/s	5.042	4.620	4.177	3.687	3.007	42.0	0.67	0.720	49	1.54	Inlet	56
		W/(L/s)	0.12	0.14	0.17	0.20	0.24						Outlet	55

Data shown for 6 pole models.

Data provided is at standard air density of 1.2 kg/m³.

Overall static efficiency, r/min and FMEG values are per ISO 12759. Installation Category A.

Peak Amps @ 400V / 3PH / 50Hz.

The overall A-weighted sound pressure level is at a distance of 3m with spherical free-field propagation. It is expressed in dB re-20µPa and is presented for comparative purposes only. The overall A-weighted sound pressure level is at a distance of 3m with spherical free-field propagation. It is expressed in dB re-20µPa and is presented for comparative purposes only.

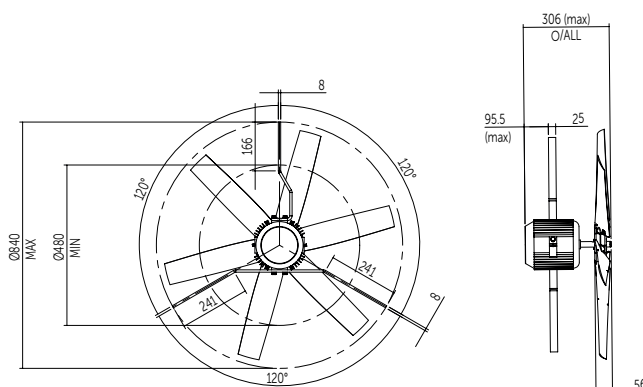
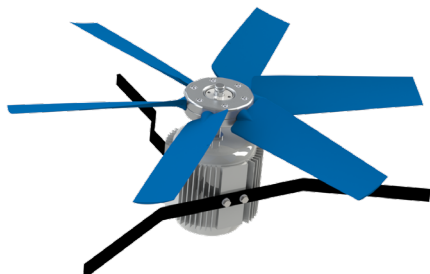
AGRI-MAX HAF

Configurations & Dimensions



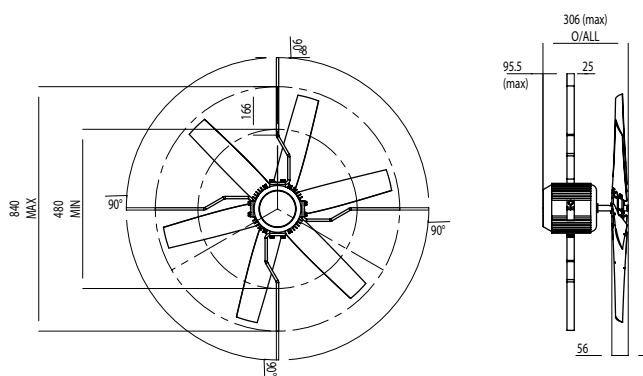
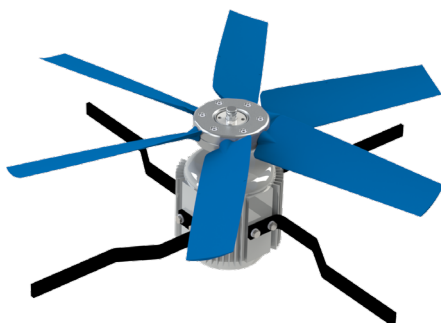
3 Arm

(Retro-fit Model,
to existing OEM
brackets)



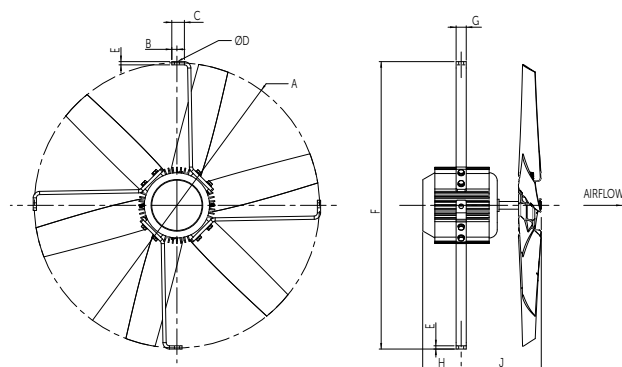
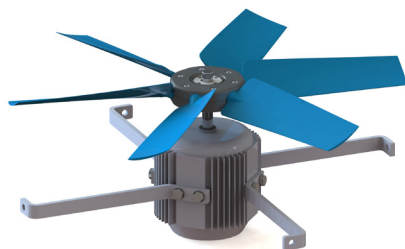
4 Arm

(Retro-fit Model,
to existing OEM
brackets)

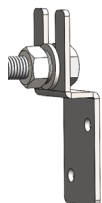


4 Arm, supplied with brackets

(Recommended
for new build)



630mm unit will fit any 630-650mm tube or chimney.
710mm unit will fit any 710-730mm tube or chimney.
800mm unit will fit any 817-840mm tube or chimney.



4 x bracket supplied with this fan model ONLY

Dimensions are in mm.

630mm unit will fit any 630-650mm tube or chimney.
710mm unit will fit any 710-730mm tube or chimney.
800mm unit will fit any 817-840mm tube or chimney.

You may need to use the included mounting hardware if the fan is not compatible with your existing mountings.

Model Size	A	B	C	ØD	E	F	G	H	J
500	Available on request								
560	Available on request								
630	627	15	31	11.5	6	630	25	95	198
710	704	15	31	11.5	8	709.5	25	95	198
800	794	15	31	11.5	8	799.5	25	95	198

EC Single Phase 220V to 277V / 50Hz or 60Hz

Model Size	Control Voltage (V)	Speed (r/min)	Airflow SFP	Airflow m³/s @ Static Pressure Pa											At Best Efficiency Point			Peak Amps	dBA @ 3m	
				0	25	50	75	100	150	200	250	300	350	400	Overall Eff%	Input (kW)	FMEG		Inlet	Outlet
500-1EC	10	1815	m³/s	2.874	2.797	2.718	2.636	2.548	2.352	2.087	-	-	-	-	46.5	1.168	52.2	9.95	Inlet	65
			W/(L/s)	0.37	0.39	0.41	0.43	0.45	0.50	0.57	-	-	-	-					Outlet	64
	8	1405	m³/s	2.236	2.145	2.041	1.919	1.769	-	-	-	-	-	-		0.562		5.42	Inlet	54
			W/(L/s)	0.23	0.25	0.27	0.29	0.32	-	-	-	-	-	-					Outlet	53
	5	805	m³/s	1.273	1.094	-	-	-	-	-	-	-	-	-		0.120		1.27	Inlet	43
			W/(L/s)	0.09	0.11	-	-	-	-	-	-	-	-	-					Outlet	42
	2	290	m³/s	0.441	-	-	-	-	-	-	-	-	-	-		0.013		0.18	Inlet	20'
			W/(L/s)	0.03	-	-	-	-	-	-	-	-	-	-					Outlet	20'
560-1EC	10	1810	m³/s	3.389	3.306	3.217	3.124	3.023	2.794	2.498	1.929	-	-	-	51.6	1.259	57.2	9.61	Inlet	66
			W/(L/s)	0.32	0.34	0.36	0.38	0.40	0.45	0.51	0.63	-	-	-					Outlet	65
	8	1405	m³/s	2.635	2.523	2.402	2.268	2.114	1.617	-	-	-	-	-		0.605		5.73	Inlet	60
			W/(L/s)	0.20	0.22	0.23	0.26	0.28	0.37	-	-	-	-	-					Outlet	59
	5	805	m³/s	1.498	1.287	0.913	-	-	-	-	-	-	-	-		0.127		1.65	Inlet	46
			W/(L/s)	0.08	0.10	0.14	-	-	-	-	-	-	-	-					Outlet	45
	2	290	m³/s	0.528	-	-	-	-	-	-	-	-	-	-		0.013		0.18	Inlet	20'
			W/(L/s)	0.02	-	-	-	-	-	-	-	-	-	-					Outlet	20'
630-1EC	10	1800	m³/s	4.161	4.057	3.950	3.838	3.723	3.473	3.191	2.848	2.344	-	-	58.3	1.341	63.8	10.45	Inlet	66
			W/(L/s)	0.22	0.24	0.26	0.28	0.30	0.35	0.40	0.47	0.57	-	-					Outlet	69
	8	1415	m³/s	3.283	3.143	3.003	2.857	2.700	2.309	1.435	-	-	-	-		0.656		5.38	Inlet	64
			W/(L/s)	0.14	0.16	0.18	0.20	0.22	0.28	0.43	-	-	-	-					Outlet	62
	5	805	m³/s	1.843	1.600	1.266	-	-	-	-	-	-	-	-		0.136		1.26	Inlet	50
			W/(L/s)	0.05	0.08	0.11	-	-	-	-	-	-	-	-					Outlet	49
	2	250	m³/s	0.542	-	-	-	-	-	-	-	-	-	-		0.012		0.15	Inlet	33
			W/(L/s)	0.02	-	-	-	-	-	-	-	-	-	-					Outlet	32
710-1EC	10	1555	m³/s	4.798	4.642	4.485	4.323	4.151	3.754	3.231	2.568	1.964	1.462	0.922	51.6	0.512	57.1	4.75	Inlet	71
			W/(L/s)	0.22	0.23	0.25	0.27	0.29	0.34	0.42	0.54	0.71	0.95	1.53					Outlet	71
	8	1240	m³/s	3.609	3.430	3.216	2.952	2.624	1.826	1.078	0.403	-	-	-		0.252		2.46	Inlet	66
			W/(L/s)	0.13	0.15	0.17	0.20	0.23	0.34	0.59	1.70	-	-	-					Outlet	66
	5	720	m³/s	2.079	1.695	1.070	0.416	-	-	-	-	-	-	-		0.059		0.65	Inlet	53
			W/(L/s)	0.05	0.08	0.13	0.36	-	-	-	-	-	-	-					Outlet	52
	2	200	m³/s	0.549	-	-	-	-	-	-	-	-	-	-		0.010		0.14	Inlet	32
			W/(L/s)	0.02	-	-	-	-	-	-	-	-	-	-					Outlet	32

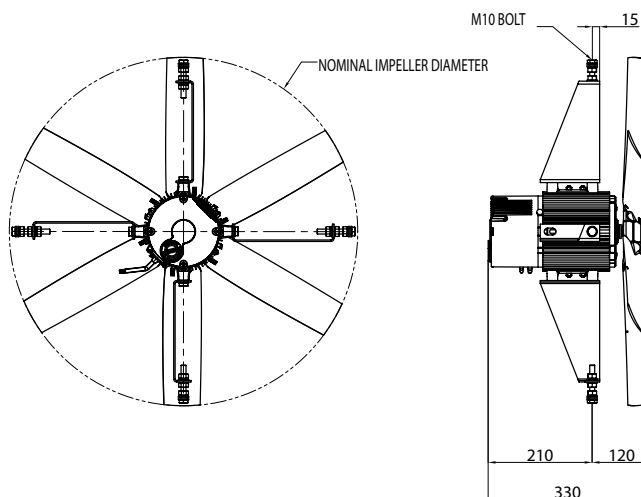
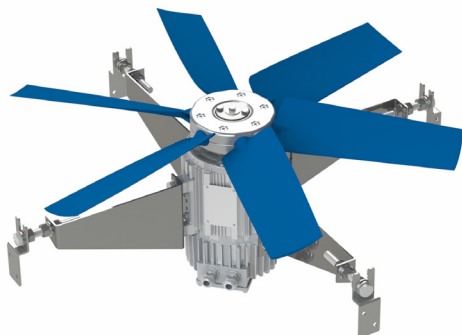
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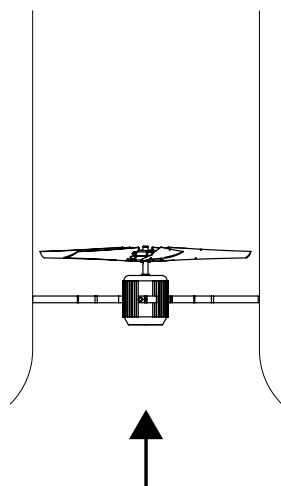
4 Arm

(New build)

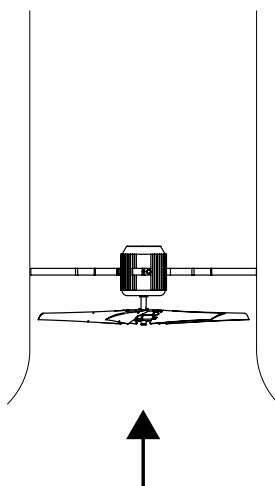


Dimensions in mm.

Airflow Direction



A airflow



B airflow

A airflow: air passes over motor then impeller
B airflow: air passes over impeller then motor



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