

AirMMax

AMSR

THREE LOBE ROOTS BLOWER & BIOGAS BLOWER



www.AirMMaxBlower.com

SPAN
Surubanjaya Perkhidmatan Air Negara

EAC

CE



ABOUT US

We established AirMMax with the vision to develop the company into a leading roots blower manufacturer and supplier. We built a 10000 m2 modern production plant equipped with automatic production CNC machine and recruited experienced roots blower engineer and skilled assembly and installation worker to our team, which ensure AirMMax roots blower achieve a better operational performance and customer satisfaction.

We focus on the R&D, production, marketing and service of roots blower, biogas blower and stainless steel blower, we design and manufacture roots blower, biogas blower and stainless steel blower based on its unique application site and operating condition.

We have professional engineer who knows roots blower aeration system in water treatment plant, we have aquaculture expert who have 10 years experience in aquaculture aeration system in high density shrimp farming and hatchery, and we have biogas blower expert who is skilled in POME treatment to biogas power generation.

We work as solution provider on the basis of roots blower, our aquaculture technical team design aeration system for high density shrimp farming and hatchery, our purchase expert launch one-stop purchase package including aeration tube and diffuser, HDPE liner, shrimp feeder, paddle wheel for customer product quality and price reference.

Pursuit of "Customer Supreme, Quality First", we look forward to your continuous trust and support.



BIOGAS BLOWER

AirMMax biogas blower is specially designed and developed to boost biogas in biogas plant in the palm oil mill effluent (POME) treatment system.

AirMMax biogas blower is also good for gas conveying: Natural Gas, Coal Gas, Semi-water Gas, Methane(CH₄), Butane(C₄H₁₀), Ammonia(NH₃), Carbonic Oxide(CO), Carbon Dioxide(CO₂), Nitrogen(N₂), Sulfur Dioxide (SO₂), Hydrogen Sulfide(H₂S), Hydrogen(H) etc.

Blower pressure up to 1 bar with maximum air flow up to 500 m³/min.

VFD control box and VFD explosive proof motor is available.



AMSR Three Lobe Roots Blower

Pressure Performance Table

Qs: Inlet air flow (m³/min)

La: Blower shaft power (Kw)

Model	Bore	RPM	Pressure																							
			9.8KPA		14.7KPA		19.6KPA		24.5KPA		29.4KPA		34.3KPA		39.2KPA		44.1KPA		49KPA		53.9KPA		58.8KPA			
			Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La		
AMSR 50	50A	1100	1.23	0.30	1.15	0.41	1.13	0.52	1.04	0.67	0.99	0.78	0.93	0.91	0.90	1.04	0.84	1.16	0.79	1.32	0.70	1.54	0.68	1.60		
		1240	1.39	0.38	1.31	0.50	1.28	0.64	1.19	0.79	1.14	0.92	1.08	1.05	1.05	1.20	0.99	1.37	0.95	1.49	0.88	1.65	0.85	1.78		
		1350	1.54	0.44	1.46	0.61	1.43	0.74	1.33	0.85	1.28	1.04	1.26	1.17	1.19	1.34	1.16	1.53	1.10	1.65	1.03	1.80	1.00	1.95		
		1450	1.67	0.50	1.56	0.64	1.55	0.82	1.44	0.96	1.40	1.14	1.35	1.30	1.30	1.47	1.22	1.63	1.21	1.79	1.12	1.91	1.15	2.15		
		1530	1.76	0.56	1.67	0.75	1.64	0.90	1.54	1.07	1.49	1.24	1.46	1.41	1.39	1.58	1.34	1.74	1.31	1.92	1.28	2.12	1.25	2.29		
		1640	1.90	0.64	1.80	0.81	1.77	1.01	1.72	1.15	1.62	1.37	1.68	1.54	1.55	1.74	1.51	1.88	1.44	2.10	1.40	2.28	1.39	2.49		
		1730	2.01	0.71	1.92	0.95	1.88	1.10	1.83	1.25	1.73	1.48	1.80	1.68	1.62	1.86	1.71	2.03	1.54	2.25	1.64	2.47	1.49	2.66		
		1840	2.14	0.80	2.12	1.03	2.01	1.20	2.00	1.39	1.86	1.62	1.93	1.79	1.75	2.02	1.84	2.25	1.68	2.43	1.77	2.65	1.63	2.86		
AMSR 65	65A	1140	1.68	0.38	1.56	0.63	1.49	0.80	1.43	1.02	1.32	1.16	1.24	1.37	1.18	1.52	1.15	1.74	1.08	1.82	0.99	2.02	0.96	2.16		
		1240	1.93	0.48	1.85	0.72	1.74	0.92	1.64	1.14	1.58	1.33	1.53	1.55	1.44	1.74	1.36	1.94	1.33	2.10	1.25	2.32	1.22	2.48		
		1360	2.17	0.56	2.09	0.83	1.99	1.04	1.86	1.26	1.82	1.48	1.78	1.73	1.68	1.94	1.65	2.20	1.57	2.35	1.51	2.55	1.43	2.72		
		1450	2.32	0.63	2.25	0.85	2.15	1.12	2.06	1.36	2.00	1.60	1.96	1.83	1.86	2.10	1.83	2.34	1.75	2.54	1.70	2.75	1.64	3.00		
		1530	2.46	0.70	2.36	0.98	2.29	1.20	2.24	1.47	2.14	1.72	2.10	1.95	2.02	2.25	1.98	2.52	1.91	2.72	1.86	2.95	1.80	3.20		
		1640	2.67	0.80	2.60	1.05	2.50	1.33	2.45	1.62	2.36	1.89	2.33	2.15	2.24	2.41	2.21	2.75	2.13	2.95	2.08	3.24	2.02	3.46		
		1740	2.87	0.89	2.94	1.20	2.70	1.46	2.65	1.76	2.56	2.04	2.54	2.32	2.44	2.64	2.42	2.96	2.33	3.16	2.28	3.47	2.22	3.70		
		1820	3.03	0.96	3.02	1.25	2.86	1.56	2.84	1.88	2.72	2.16	2.69	2.44	2.60	2.79	2.57	3.12	2.49	3.33	2.44	3.65	2.38	3.90		
AMSR 80	80A	1140	3.10	1.04	3.03	1.34	2.91	1.60	2.83	1.95	2.78	2.14	2.69	2.45	2.63	2.69	2.53	3.02	2.49	3.22	2.38	3.45	2.37	3.74		
		1230	3.38	1.14	3.26	1.44	3.19	1.76	3.09	2.04	3.06	2.35	2.96	2.63	2.91	2.94	2.81	3.25	2.77	3.53	2.65	3.83	2.64	4.11		
		1300	3.60	1.22	3.53	1.55	3.42	1.89	3.36	2.23	3.27	2.51	3.23	2.85	3.12	3.14	3.06	3.47	2.98	3.77	2.92	4.07	2.85	4.41		
		1360	3.78	1.29	4.00	1.65	3.60	1.99	3.83	2.35	3.46	2.64	3.70	2.97	3.30	3.31	3.54	3.65	3.17	3.98	3.40	4.32	3.03	4.65		
		1460	4.09	1.40	4.01	1.80	3.91	2.17	3.89	2.53	3.76	2.87	3.73	3.22	3.62	3.60	3.57	3.91	3.47	4.32	3.42	4.65	3.35	5.06		
		1560	4.39	1.52	4.20	1.95	4.11	2.32	4.04	2.76	4.00	3.10	3.99	3.46	3.93	3.88	3.89	4.41	3.78	4.66	3.70	5.25	3.66	5.48		
		1650	4.67	1.62	4.56	2.13	4.49	2.50	4.44	2.94	4.36	3.31	4.23	3.75	4.16	4.14	4.11	4.74	4.06	4.98	4.00	5.62	3.93	5.85		
		1730	4.91	1.71	4.81	2.25	4.74	2.64	4.70	3.05	4.60	3.50	4.55	3.94	4.46	4.36	4.43	4.82	4.31	5.26	4.26	5.72	4.19	6.18		
1820	5.19	1.81	5.13	2.35	5.01	2.80	4.97	3.25	4.88	3.70	4.81	4.13	4.74	4.62	4.66	5.06	4.59	5.57	4.50	6.04	4.46	6.56				
AMSR 100	100A	1060	4.58	1.35	4.43	1.83	4.28	2.31	4.08	2.72	3.95	3.10	3.85	3.55	3.70	3.97	3.58	4.46	3.49	4.95	3.35	5.42	3.29	5.86		
		1140	4.98	1.52	4.83	2.03	4.66	2.46	4.53	2.94	4.36	3.41	4.26	3.93	4.12	4.38	4.04	4.86	3.91	5.38	3.83	5.85	3.72	6.38		
		1220	5.38	1.68	5.16	2.22	5.04	2.70	4.88	3.23	4.76	3.71	4.64	4.22	4.53	4.76	4.45	5.27	4.33	5.76	4.25	6.35	4.14	6.90		
		1310	5.74	1.87	5.61	2.43	5.45	2.96	5.35	3.52	5.18	4.05	5.06	4.63	4.95	5.18	4.87	5.77	4.75	6.30	4.66	6.95	4.56	7.48		
		1460	6.54	2.18	6.36	2.75	6.26	3.40	6.14	3.95	6.00	4.62	5.88	5.22	5.78	5.87	5.67	6.54	5.59	7.10	5.45	7.76	5.40	8.45		
		1560	6.92	2.40	6.80	3.04	6.65	3.67	6.56	4.32	6.40	4.98	6.31	5.65	6.19	6.30	6.08	6.97	6.00	7.61	5.89	8.35	5.82	9.00		
		1680	7.64	2.78	7.48	3.45	7.37	4.18	7.27	4.92	7.13	5.62	7.05	6.33	6.92	7.08	6.85	7.85	6.74	8.50	6.65	9.32	6.56	10.03		
		1780	8.10	3.05	7.95	3.83	7.85	4.56	7.76	5.35	7.62	6.10	7.55	6.84	7.42	7.63	7.35	8.45	7.24	9.15	7.16	9.95	7.07	10.71		
1880	8.58	3.33	8.44	4.15	8.37	4.93	8.24	5.77	8.15	6.55	8.04	7.35	7.95	8.18	7.89	9.03	7.78	9.80	7.65	10.64	7.61	11.42				
AMSR 125	125A	980	6.51	1.65	6.33	2.25	6.16	2.80	6.04	3.42	5.95	4.10	5.81	4.73	5.75	5.40	5.63	6.13	5.56	6.70	5.45	7.22	5.38	8.05		
		1050	6.96	1.90	6.76	2.53	6.64	3.15	6.53	3.83	6.42	4.53	6.33	5.22	6.22	5.95	6.14	6.63	6.04	7.30	5.93	7.93	5.86	8.75		
		1200	8.01	2.50	7.83	3.22	7.66	3.92	7.54	4.72	7.45	5.50	7.33	6.25	7.25	7.10	7.13	7.92	7.01	8.65	6.95	9.43	6.91	10.25		
		1300	8.76	2.90	8.54	3.63	8.41	4.50	8.26	5.33	8.19	6.20	8.08	7.03	8.00	7.90	7.94	8.83	7.83	9.65	7.76	10.03	7.65	11.40		
		1390	9.31	3.20	9.13	4.02	8.96	4.90	8.86	5.82	8.74	6.70	8.66	7.62	8.54	8.50	8.43	9.42	8.38	10.35	8.25	11.27	8.21	12.20		
		1450	9.73	3.45	9.49	4.23	9.36	5.20	9.24	6.13	9.15	7.10	9.04	8.03	8.95	9.00	8.83	9.93	8.78	10.90	8.73	11.82	8.61	12.80		
		1530	10.28	3.80	10.10	4.72	9.91	5.65	9.83	6.63	9.70	7.65	9.63	8.62	9.50	9.60	9.44	10.62	9.34	11.60	9.23	12.63	9.16	13.60		
		1630	10.97	4.30	10.74	5.23	10.58	6.25	10.46	7.23	10.37	8.35	10.26	9.33	10.17	10.35	10.09	11.33	10.02	12.40	9.95	13.53	9.86	14.60		
1750	11.79	4.90	11.53	5.82	11.39	6.95	11.28	7.93	11.18	9.18	11.08	10.22	10.99	11.26	10.94	12.35	10.84	13.38	10.73	14.72	10.67	15.80				
AMSR 125L	125A	1290	12.48	5.33	12.28	6.47	12.10	7.61	11.93	8.70	11.75	9.88	11.61	11.02	11.46	12.15	11.33	13.29	11.20	14.43	11.06	15.56	10.94	16.69		
		1350	13.11	5.57	12.91	6.75	12.72	7.94	12.55	9.12	12.39	10.31	12.24	11.49	12.08	12.68	11.95	13.86	11.82	15.05	11.68	16.23	11.57	17.42		
		1430	13.95	5.88	13.74	7.13	13.56	8.38	13.38	9.63	13.21	10.88	13.07	12.13	12.91	13.38	12.78	14.63	12.65	15.87	12.52	17.13	12.40	18.38		
		1530	14.99	6.26	14.78	7.59	14.59	8.93	14.43	10.25	14.25	11.58	14.13	12.92	13.96	14.25	13.83	15.58	13.69	16.91	13.56	18.25	13.45	19.58		
		1650	16.24	6.72	16.04	8.15	15.85	9.58	15.68	11.01	15.51	12.44	15.36	13.87	15.21	15.30	15.08	16.73	14.95	18.16	14.81	19.59	14.7	21.02		

AMSR Three Lobe Roots Blower

Pressure Performance Table

Qs: Inlet air flow (m³/min)

La: Blower shaft power (Kw)

Model	Bore	RPM	Pressure																							
			9.8KPA		14.7KPA		19.6KPA		24.5KPA		29.4KPA		34.3KPA		39.2KPA		44.1KPA		49KPA		53.9KPA		58.8KPA			
			Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La		
AMSR 150	150A	810	12.02	3.86	11.75	5.03	11.54	6.20	11.33	7.32	11.15	8.50	11.02	9.62	10.86	10.80	10.74	11.97	10.65	13.20	10.45	14.42	10.39	15.60		
		860	12.81	4.41	12.64	5.63	12.40	6.86	12.23	8.03	12.03	9.30	11.84	10.47	11.75	11.70	11.63	13.03	11.54	14.25	11.42	15.53	11.27	16.80		
		970	14.71	5.59	14.52	7.02	14.30	8.30	14.13	9.63	13.95	11.05	13.82	12.43	13.70	13.80	13.62	15.23	13.50	16.60	13.33	18.03	13.23	19.40		
		1110	17.08	7.01	16.92	8.62	16.70	10.15	16.54	11.72	16.37	13.10	16.23	14.84	16.15	16.50	16.07	18.03	15.95	19.60	15.82	21.23	15.70	22.80		
		1180	18.25	7.80	18.13	9.43	17.92	11.10	17.75	12.73	17.59	14.40	17.46	16.03	17.37	17.80	17.25	19.42	17.17	21.10	17.05	22.82	16.97	24.40		
		1240	19.27	8.45	19.12	10.21	18.95	11.90	18.75	13.62	18.63	15.40	18.55	17.05	18.43	18.90	18.35	20.72	18.23	22.40	18.15	24.23	18.03	25.80		
		1400	22.00	10.20	21.85	12.12	21.70	14.00	21.53	15.93	21.40	17.90	21.32	19.92	21.20	21.90	21.15	23.83	21.05	25.80	20.95	27.93	20.87	29.70		
		1450	22.85	10.70	22.70	12.75	22.58	14.68	22.45	16.68	22.33	18.70	22.23	20.80	22.12	22.90	22.01	24.85	21.92	26.88	21.83	29.00	21.74	30.90		
		1520	23.93	11.65	23.84	13.38	23.68	15.90	23.52	17.43	23.40	20.15	22.56	21.59	23.21	24.60	23.13	25.84	23.04	28.90	22.95	30.20	22.82	33.30		
		1620	25.42	13.40	25.32	15.62	25.15	18.00	25.02	20.42	24.86	22.60	24.74	25.03	24.68	27.40	24.55	29.63	24.48	32.05	24.32	34.42	24.27	36.90		
1730	27.05	15.30	26.94	17.63	26.77	20.20	26.63	22.92	26.48	25.30	26.33	27.92	26.27	30.40	26.15	33.02	26.08	35.55	25.95	38.02	25.87	40.89				
AMSR 175	150A	970	22.73	7.90	22.20	10.19	22.13	11.25	21.63	13.35	21.05	15.46	20.85	17.57	20.53	19.65	20.21	21.75	20.12	23.87	19.83	26.03	19.65	28.14		
		1110	26.75	12.21	26.54	11.94	26.33	13.14	25.83	15.53	25.50	17.93	25.24	20.33	24.83	22.73	24.55	25.10	24.23	27.53	24.07	29.93	23.95	32.33		
		1180	28.65	13.23	28.50	12.54	28.35	13.84	27.96	16.35	27.55	18.95	27.17	21.47	26.83	24.07	26.57	26.63	26.34	29.15	26.15	31.74	25.95	34.26		
		1240	30.25	12.65	30.10	13.43	29.94	14.75	29.53	17.47	29.15	20.16	28.85	22.58	28.55	25.54	28.27	28.24	28.05	30.93	27.84	33.65	27.63	36.26		
		1400	34.22	16.75	33.93	16.70	33.65	18.54	33.35	21.65	33.26	25.54	32.83	27.57	32.55	30.64	32.33	33.63	32.03	36.65	31.82	39.71	31.62	42.76		
		1460	35.26	17.47	35.10	17.25	35.04	19.09	34.69	22.45	34.50	25.79	34.09	28.55	33.86	31.74	33.64	34.85	33.34	38.01	33.18	41.68	32.94	44.36		
		1520	36.65	17.51	36.54	17.80	36.43	19.64	36.03	22.94	35.73	26.23	35.35	29.52	35.17	32.83	34.95	36.07	34.65	39.37	34.52	43.65	34.25	45.95		
1620	38.67	18.72	38.52	21.13	38.36	22.87	38.03	26.43	37.84	29.94	37.43	33.42	37.15	36.96	36.96	40.43	36.65	43.95	36.55	47.75	36.35	50.97				
AMSR 200S	200A	900	28.68	11.02	28.50	12.25	28.35	13.84	27.87	16.24	27.55	18.95	27.12	22.35	26.83	24.07	26.56	27.89	26.34	29.15	26.10	32.08	25.95	34.26		
		1070	34.18	17.16	33.90	17.85	33.65	18.54	33.40	22.10	33.26	24.54	32.88	28.75	32.55	30.64	32.28	34.01	49.00	32.03	53.90	31.79	58.80	31.62		
		1160	36.98	17.45	36.83	18.01	36.43	19.64	36.03	23.55	35.73	26.23	35.41	30.38	35.17	32.83	34.89	36.95	34.65	39.37	34.41	43.02	34.25	45.95		
		1240	39.64	18.32	39.01	20.25	38.36	22.87	38.05	28.58	37.84	29.94	37.49	33.87	37.15	36.69	36.80	40.18	36.65	43.95	36.44	47.30	36.35	50.97		
		1320	40.79	21.47	40.49	23.25	40.17	25.03	39.85	30.01	39.64	32.53	39.38	37.98	39.15	40.03	38.91	45.12	38.77	47.53	38.61	52.61	38.45	55.03		
		1450	51.30	13.00	49.20	17.50	49.11	22.00	49.03	26.30	48.80	31.30	48.20	35.00	47.70	40.00	47.20	45.00	46.90	49.10	46.60	53.20	46.30	58.10		
AMSR 200	200A	810	31.17	11.26	30.81	12.94	30.54	14.63	29.95	17.62	29.52	20.66	29.23	23.85	28.87	26.96	28.55	29.97	28.24	33.14	27.93	36.07	27.65	39.07		
		900	35.01	13.41	34.71	15.27	34.41	17.12	34.01	20.42	33.62	24.22	33.34	27.55	33.03	30.95	32.75	34.42	32.36	37.85	32.05	41.04	31.73	44.35		
		980	38.52	15.52	38.42	17.42	38.10	19.31	37.62	22.91	37.31	27.15	37.07	30.76	36.75	34.53	36.44	38.25	36.05	42.04	35.66	45.55	35.25	49.35		
		1070	42.53	17.81	42.29	19.52	42.03	21.22	41.63	25.82	41.43	30.12	41.11	34.45	40.95	38.66	40.58	42.63	40.17	46.84	39.75	50.73	39.45	54.97		
		1150	46.01	19.92	45.76	21.82	45.51	23.71	45.31	28.12	45.01	32.74	44.82	37.24	44.62	42.04	44.23	46.64	44.75	50.97	43.44	55.07	43.18	59.76		
		1230	49.13	21.91	48.93	24.16	48.72	26.42	48.42	31.23	48.23	36.22	48.11	41.23	47.71	46.02	47.41	46.02	47.41	55.52	46.82	59.81	46.62	64.81		
		1310	52.21	24.32	52.01	26.76	51.81	29.23	51.51	34.21	51.32	39.62	51.13	44.81	50.92	50.11	50.62	55.02	50.42	59.91	50.13	64.52	49.81	69.72		
		1390	55.33	26.61	54.43	29.22	54.73	31.82	54.63	37.41	54.41	42.92	54.31	48.53	54.12	54.22	53.93	59.21	53.61	64.42	53.42	69.11	53.22	74.62		
		1480	58.81	28.92	58.61	31.58	58.41	34.23	58.21	40.41	58.03	46.52	57.82	52.33	57.71	58.11	57.51	63.62	57.36	68.92	57.22	74.22	57.14	80.12		
AMSR 200L	200A	970	50.02	18.58	48.56	19.87	47.75	21.16	46.54	26.45	45.90	31.74	45.30	37.03	44.75	43.32	44.24	47.61	43.75	53.09	43.28	58.18	42.84	63.47		
		1250	65.84	21.64	64.88	23.45	64.08	28.67	63.37	36.08	62.72	44.90	62.13	42.72	61.58	54.53	61.06	61.35	60.57	68.16	60.11	74.98	59.66	81.79		
		1450	77.86	23.75	76.90	25.12	76.09	34.49	75.01	39.54	74.44	47.44	73.85	55.35	73.24	63.26	72.88	74.16	72.29	79.07	71.92	86.97	71.53	94.88		
		1600	86.37	24.25	85.72	26.18	84.88	34.90	84.40	43.63	83.35	53.35	82.86	61.06	82.11	73.80	81.89	78.52	81.16	87.25	80.84	95.97	80.39	106.70		
		1100	57.74	19.97	57.26	26.94	56.90	32.37	56.65	37.84	56.42	43.89	56.22	49.65	55.99	55.52	55.65	60.95	55.42	66.39	55.13	71.50	54.77	77.25		
AMSR 250S	250A	1210	63.52	23.95	63.00	29.64	62.60	35.62	62.32	41.64	62.08	48.29	61.86	54.62	61.60	61.08	61.23	67.06	60.99	73.04	60.65	78.65	60.25	84.99		
		1310	68.78	25.93	68.22	32.10	67.78	38.58	67.48	45.15	67.22	52.29	66.98	59.14	66.70	66.14	66.31	72.62	66.05	79.08						
		1390	72.83	28.12	72.35	34.98	71.85	42.00	71.61	49.38	71.38	56.65	71.13	64.05	70.98	71.57	70.74	78.15	70.57	85.03						
		1480	77.55	31.41	77.04	38.17	76.51	45.30	76.25	53.34	76.01	61.40	75.74	69.07	75.60	76.70	75.33	83.97	75.14	90.97						
		990	63.60	15.50	63.40	21.20	63.10	28.80	62.90	35.80	62.70	41.80	62.50	48.60	62.20	55.30	62.10	62.10	61.80	66.70	61.60	73.30	61.40	76.70		
AMSR 250	250A	1170	75.00	19.10	74.70	25.80	74.30	33.90	74.10	42.20	73.60	49.10	73.10	56.90	72.70	64.60	72.30	72.50	72.01	77.80	71.70	85.30	71.30	89.20		
		1250	80.30	19.60	80.00	26.80	79.60	36.30	79.20	45.20	78.80	52.60	78.50	61.10	78.20	69.50	77.90	78.10	77.40	83.60	77.10	91.70	76.80	96.10		
		1360	90.40	21.60	90.00	29.60	88.70	40.50	88.50	50.40	88.30	58.90	88.10	68.50	87.80	78.10	87.50	87.60	87.20	94.20	86.90	103.40	86.60	108.30		
		1480	97.10	23.20	96.50	31.50	96.50	44.10	96.20	54.80	96.00	64.10	95.80	74.50	95.50	84.90	95.20	95.80	95.10	102.60	94.50	112.50	94.40	117.30		
		990	89.30	21.90	89.20	30.10	88.90	32.10	88.70	46.10	88.50	55.30	88.30	64.30	88.10	73.40	87.90	73.20	87.60	77.10	87.40	94.30	87.1			

AMSR Three Lobe Roots Blower

Pressure Performance Table

Qs: Inlet air flow (m³/min)

La: Blower shaft power (Kw)

Model	Bore	RPM	Pressure															
			63.7KPA		68.6KPA		73.5KPA		78.4KPA		83.3KPA		88.2KPA		93.1KPA		98.0KPA	
			Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
AMSR 50	50A	1240	0.79	2.02	0.73	2.10	0.69	2.49	0.62	2.79	0.61	3.37	0.56	3.95	0.50	4.17	0.45	4.41
		1350	0.96	2.24	0.85	2.28	0.86	2.76	0.79	3.01	0.78	3.40	0.76	3.92	0.73	4.37	0.69	4.81
		1450	1.07	2.36	1.00	2.42	0.97	2.90	0.93	3.21	0.90	3.68	0.87	4.05	0.83	4.60	0.79	5.07
		1530	1.23	2.56	1.18	2.52	1.16	3.18	1.13	3.56	1.08	3.88	1.03	4.20	0.90	4.61	0.85	5.10
		1640	1.39	2.76	1.35	2.63	1.32	3.32	1.29	3.75	1.24	4.27	1.18	4.43	1.13	4.80	1.06	5.20
		1730	1.50	2.93	1.46	2.92	1.42	3.54	1.39	3.91	1.31	4.38	1.26	4.70	1.22	5.12	1.14	5.50
AMSR 65	65A	1240	1.13	2.89	1.10	2.88	1.03	3.49	0.98	4.01	0.89	4.20	0.88	4.56	0.83	4.92	0.78	5.28
		1360	1.39	3.08	1.31	3.05	1.28	3.76	1.19	4.12	1.17	4.40	1.15	5.02	1.12	5.40	1.08	5.87
		1450	1.60	3.35	1.51	3.42	1.47	4.05	1.40	4.21	1.41	4.85	1.38	5.23	1.35	5.51	1.31	5.96
		1530	1.74	3.50	1.70	3.60	1.64	4.14	1.57	4.39	1.53	5.10	1.48	5.40	1.42	5.62	1.35	6.01
		1640	1.98	3.74	1.90	3.94	1.86	4.42	1.79	4.54	1.75	5.25	1.70	5.40	1.65	5.78	1.60	6.10
		1740	2.18	4.13	2.10	4.27	2.06	5.05	2.00	4.65	1.92	5.80	1.84	6.10	1.75	6.35	1.70	6.50
AMSR 80	80A	1140	2.27	4.09	2.25	4.22	2.19	4.83	2.14	4.73	2.01	5.61	1.96	5.97	1.89	6.33	1.82	6.69
		1230	2.52	4.49	2.49	4.71	2.37	5.30	2.35	5.32	2.25	6.10	2.19	6.45	2.12	6.81	2.06	7.17
		1300	2.77	4.82	2.71	5.11	2.61	5.69	2.55	5.85	2.48	6.40	2.40	6.71	2.35	7.26	2.29	7.66
		1360	2.95	5.18	2.87	5.27	2.77	5.99	2.73	5.93	2.62	6.80	2.57	7.21	2.49	7.53	2.46	7.93
		1460	3.07	5.67	3.22	5.76	2.92	6.44	3.10	6.46	2.78	7.03	2.65	7.38	2.60	7.90	2.55	8.10
		1560	3.44	6.17	3.38	6.25	3.30	6.97	3.24	7.05	3.18	7.40	3.15	7.70	3.10	8.12	3.07	8.35
		1650	3.73	6.55	3.68	6.72	3.62	7.45	3.55	7.63	3.40	8.00	3.32	8.20	3.27	8.40	3.21	8.70
		1730	4.01	6.94	3.96	7.05	3.88	7.84	3.79	7.95	3.70	8.40	3.65	8.71	3.61	8.98	3.52	9.10
AMSR 100	100A	1060	3.17	6.36	3.07	6.71	3.01	7.51	2.87	7.62	2.87	8.53	2.79	8.89	2.72	9.25	2.65	9.61
		1140	3.65	6.90	3.59	7.32	3.51	8.15	3.46	8.35	3.40	8.90	3.36	9.10	3.54	9.50	3.48	9.86
		1220	4.06	7.52	3.93	8.02	3.90	8.88	3.82	9.12	3.75	10.10	3.68	10.40	3.61	11.32	3.55	11.96
		1310	4.43	8.15	4.36	8.56	4.26	9.62	4.18	9.65	4.10	10.82	4.03	11.50	3.90	11.71	3.82	12.10
		1460	5.28	9.23	5.19	9.37	5.10	10.44	5.00	10.06	4.78	11.32	4.61	11.85	4.48	12.30	4.30	12.75
		1560	5.70	9.75	5.63	10.35	5.55	11.12	5.45	11.75	5.38	11.98	5.32	12.21	5.24	12.80	5.15	13.20
		1680	6.44	10.77	6.37	11.50	6.25	12.21	6.20	12.61	6.00	12.90	5.85	13.20	5.71	13.67	5.49	14.10
		1780	6.95	11.52	6.88	11.98	6.83	13.07	6.70	13.45	6.55	13.92	6.38	14.10	6.10	14.52	5.91	14.88
AMSR 125	125A	980	5.24	8.92	5.19	9.34	5.08	10.98	5.01	10.65	4.86	13.20	4.78	14.10	4.71	15.30	4.64	16.40
		1050	5.54	9.71	5.42	10.15	5.32	11.98	5.27	11.60	5.11	14.08	5.01	15.11	4.92	16.01	4.80	16.71
		1200	6.83	11.05	6.77	11.84	6.66	12.56	6.45	13.44	6.21	14.23	6.06	15.38	5.80	16.26	5.55	16.91
		1300	7.55	12.22	7.45	13.15	7.38	13.92	7.26	14.93	7.01	15.66	6.53	16.43	6.56	17.01	6.22	17.85
		1390	8.14	13.14	8.03	13.95	7.92	14.91	7.85	15.72	7.61	16.20	7.32	17.15	7.06	17.68	6.71	18.03
		1450	8.50	13.73	8.42	14.62	8.33	15.62	8.24	16.53	8.08	17.10	7.90	17.72	7.73	18.20	7.46	19.21
		1530	9.05	14.63	8.97	15.60	8.87	16.63	8.80	17.52	8.61	18.01	8.48	18.71	8.21	19.40	8.00	21.10
		1630	9.75	15.65	9.68	16.81	9.55	17.82	9.50	19.01	9.31	19.60	9.15	20.30	8.93	20.98	8.80	21.60
		1750	10.55	16.94	10.46	18.18	10.35	19.14	10.29	20.53	10.05	21.00	9.87	21.80	9.80	22.35	9.62	23.10
AMSR 125L	125A	1290	10.79	18.09	10.65	19.48	10.52	20.87	10.39	22.26	10.26	23.66	10.14	25.05	10.02	26.44	9.90	27.83
		1350	11.42	18.87	11.28	20.32	11.14	21.77	11.01	23.23	10.88	24.68	10.76	26.13	10.64	27.58	10.53	29.03
		1430	12.25	19.91	12.11	21.44	11.98	22.97	11.85	24.51	11.72	26.04	11.60	27.57	11.48	29.10	11.36	30.63
		1530	13.29	21.21	13.15	22.83	13.12	24.48	12.88	26.11	12.67	27.74	12.64	29.37	12.52	31.00	12.40	32.64
		1650	14.54	22.76	14.40	24.53	14.27	26.28	14.14	28.03	14.01	29.78	13.89	31.54	13.77	33.28	13.65	35.04

AMSR Three Lobe Roots Blower

Pressure Performance Table

Qs: Inlet air flow (m³/min)

La: Blower shaft power (Kw)

Model	Bore	RPM	Pressure															
			63.7KPA		68.6KPA		73.5KPA		78.4KPA		83.3KPA		88.2KPA		93.1KPA		98.0KPA	
			Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
AMSR 150	150A	810	10.28	17.16	10.11	18.00	10.06	20.73	9.84	20.40	9.80	24.38	9.75	25.98	9.64	27.28	9.53	28.58
		860	11.18	17.77	11.00	19.42	10.85	20.87	10.37	22.03	10.62	25.67	10.51	26.97	10.40	28.27	10.29	29.57
		970	13.15	21.45	12.95	22.15	12.86	24.34	12.67	24.91	12.51	26.50	12.23	30.30	11.97	33.40	11.65	37.20
		1110	15.58	25.07	15.45	26.02	15.33	28.45	15.20	29.21	15.00	32.60	14.78	35.00	14.42	38.60	14.01	42.30
		1180	16.88	26.34	16.76	27.35	16.55	30.15	16.40	30.65	16.27	33.20	16.10	36.30	15.89	41.10	15.71	44.23
		1240	17.92	27.73	17.82	29.20	17.66	31.43	17.62	32.60	17.21	36.21	17.10	39.38	16.80	44.45	16.63	47.78
		1400	20.76	33.34	20.68	33.60	20.45	37.97	20.30	37.50	20.11	43.00	19.87	46.10	19.63	49.80	19.48	52.00
		1450	21.70	33.95	21.65	35.65	21.51	38.54	21.42	39.80	21.30	44.80	21.11	47.10	20.90	50.90	20.71	54.00
		1520	22.92	34.57	22.75	37.70	21.69	39.12	21.50	42.10	21.12	46.80	21.01	49.30	20.70	53.20	20.32	58.10
		1620	24.12	40.07	24.05	41.71	23.85	45.83	23.70	46.60	23.50	51.10	23.31	54.00	23.13	57.80	22.90	60.10
		1730	25.76	44.85	25.65	46.10	25.45	50.27	25.25	51.40	25.14	55.95	25.00	58.10	24.80	61.00	24.61	65.00
AMSR 200	200A	810	27.26	47.34	26.93	43.35	26.62	48.52	26.33	51.73	26.12	55.20	25.87	58.20	25.61	61.40	25.34	64.61
		900	31.45	47.64	31.14	51.23	30.85	54.52	30.54	57.85	30.21	60.80	29.90	64.01	29.58	67.20	29.26	70.41
		980	35.05	53.03	34.72	56.75	34.38	60.55	34.05	64.23	33.80	66.80	33.62	69.10	33.36	74.87	33.01	80.09
		1070	39.35	58.83	39.13	63.73	38.92	67.37	38.75	71.44	38.58	74.01	38.37	77.20	38.11	80.50	37.90	84.20
		1150	43.03	64.33	42.74	68.63	42.45	73.34	42.25	77.66	42.03	80.10	41.81	84.20	41.63	87.50	41.45	90.70
		1230	46.41	69.32	46.21	74.22	46.02	78.81	45.83	83.52	45.60	86.10	45.42	89.10	45.20	92.30	45.02	96.10
		1310	49.72	74.81	49.53	79.71	49.32	84.72	49.11	89.76	48.90	92.10	48.68	95.30	48.41	99.20	48.25	105.10
		1390	53.03	79.65	52.82	84.91	52.71	90.24	52.52	95.55	52.18	98.70	52.10	103.20	51.90	107.20	51.72	112.10
		1480	56.92	85.61	56.82	91.32	56.71	96.72	56.53	102.40	56.21	106.30	56.10	110.10	55.75	115.20	55.40	120.00
AMSR 250	250A	990	61.80	83.20	61.20	88.90	60.40	93.60	59.80	99.70	59.20	112.10	58.80	120.10	58.30	129.60	58.01	137.20
		1170	71.20	96.10	69.60	101.50	69.40	108.50	69.20	115.10	68.60	126.20	68.20	134.40	67.70	140.10	67.10	152.10
		1250	76.40	103.50	76.10	110.80	75.60	118.20	75.10	125.20	74.50	142.20	74.10	149.10	73.40	155.20	73.20	165.20
		1360	86.50	112.50	86.20	125.60	85.70	133.90	85.40	142.40	85.10	154.10	84.70	165.20	84.30	177.10	84.20	183.10
		1480	93.70	126.90	93.40	136.20	93.20	145.60	92.60	154.30	92.20	170.10	91.80	184.10	91.50	192.10	91.20	205.20
AMSR 300	300A	990	86.90	114.70	86.70	123.60	86.40	127.10	86.10	135.10	85.50	150.10	85.10	165.10	84.60	172.30	83.80	181.50
		1170	102.50	135.30	102.30	145.30	102.10	150.10	101.80	159.80	101.50	170.50	101.10	182.10	100.80	200.00	100.50	227.20
		1250	110.40	145.40	110.20	155.80	110.00	161.70	109.80	172.40	109.30	187.10	108.90	203.10	108.60	220.10	108.30	234.10
		1360	123.20	162.60	123.10	176.60	122.70	180.40	122.50	192.30	122.20	206.10	122.10	217.50	121.70	232.10	121.50	254.50
		1480	134.40	177.80	134.20	190.60	133.80	196.70	133.50	209.90	132.80	213.10	132.00	235.10	131.50	250.10	130.8	270.1
AMSR 350	350A	990	110.65	158.50	109.40	170.70	108.15	181.80	106.90	195.10	105.70	207.30	104.50	219.50	103.35	231.70	102.20	243.90
		1170	135.95	187.30	134.70	201.70	133.50	216.15	132.30	230.60	131.15	245.00	130.00	259.40	128.85	273.80	127.70	288.20
		1250	147.25	200.00	146.00	215.50	144.80	230.90	143.60	246.30	142.45	261.70	141.30	277.10	140.15	292.50	139.00	307.90
		1360	162.65	217.75	161.40	234.50	160.25	251.25	159.10	268.00	157.95	284.75	156.80	301.50	155.65	318.00	154.50	335.00
		1480	179.55	236.95	178.30	254.50	177.10	273.40	175.90	291.60	174.75	309.85	173.60	328.10	172.50	346.30	171.40	364.00

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