

INFINAIR™

YFIMF

Inline mixed flow fan-wheel type F



- Wind Hunter® series patented full mixed-flow impeller design.
- The front disc and inlet venturi tube fit precisely to reduce gas leakage and turbulence.
- Mixed-flow noise characteristics: quiet at low frequencies.
- Airflow
- is smoother after rectification by the guide vanes, further improving static pressure efficiency and reducing noise.
- Impeller and flow-through components are mold-formed, with
- continuous welding using specialized positioning equipment, ensuring high consistency and reliability.
- Belt drive speed ratio allows for a wider performance range and
- optimized model selection.
- Certified by multiple authorities: AMCA, CCCf, CNEX, TUV.
- Balancing level up to G2.5 (AMCA 204)



Company Profile

Yingfei Tongren Fan Co., Ltd. was established in September 2003. It is a high-end system solution and service provider integrating R&D, manufacturing, and sales in the fields of building ventilation, industrial ventilation, heating, and air treatment.

Upholding the future development concepts of “Green Environmental Protection” and “Intelligent Interconnection,” Yingfei Tongren continuously invests in ventilation technology research and development, adheres to the core value of being “customer-centered,” and consistently provides customers with reliable, convenient, energy-efficient, environmentally friendly, and smart-connected products and services.

Shanghai Headquarters:

Yingfei Tongren Fan Co., Ltd.
Building Area: 31,865 m²
Address: No. 55 Jade Road, Jiading District, Shanghai

Haimen Production Base (Wholly-owned Subsidiary):

Yingfei Tongren (Jiangsu) Fan Co., Ltd.
Building Area: 67,841 m²
Address: No. 1833 Guangzhou Road, Economic Development Zone, Haimen District, Nantong City, Jiangsu Province

Service Network:

The company’s sales and service network covers major regions across China and worldwide, including Shanghai, Beijing, Guangzhou, Shenzhen, Guangxi, Anhui, Shaanxi, Henan, Hunan, Hubei, Fujian, Chengdu, Qingdao, Tianjin, Chongqing, Nanjing, Suzhou, Xinjiang, as well as Asia, North America, Europe, and the Middle East, providing customers with timely technical support and reliable after-sales service.

(Note: The company was previously known as Shanghai Tongren General Equipment Manufacturing Co., Ltd.)



Yingfei Vision:

To become a trusted professional brand in air transportation, control, and regulation.

Yingfei Mission:

To provide reliable and convenient air transportation, control, and regulation services.

Yingfei Dream:

Exceptional customer experience, a happy life for employees’ families, and an entrepreneurial platform for partners.

Honors & Qualifications:

- National-level “Little Giant” Enterprise (Specialized and Innovative SME)
- National High-Tech Enterprise
- Shanghai Famous Trademark: INFINAIR®
- Shanghai Brand Product
- Shanghai Technology-Based SME
- Shanghai “Specialized and Innovative” Enterprise
- Shanghai Enterprise Technology Center
- SGS ISO9001, ISO14001, ISO45001 Management System Certifications

Haimen Production Base (Wholly-owned Subsidiary):

National High-Tech Enterprise



Yingfei Intelligent Ventilation Technology

- **Intelligent Demand Perception:**
Operation goals are dynamically determined based on load variations and environmental changes.
- **Intelligent Operating Condition Adjustment:**
Inverter or EC smart control technology dynamically adapts performance to actual demand under smart speed control software.
- **Intelligent Real-time Communication:**
Seamless communication with central systems and mobile terminals via various technologies, connecting to Internet or local area networks.
- **Intelligent Early Warning:**
Reliable sensors provide early warning early warning signs of failure, ensuring stable system operation.

Green Intelligent Simulation Technology

- **Flow Field Simulation Analysis Technology:**
Predictive modeling of aerodynamic impeller performance (airflow, pressure, power consumption, noise) without the need for physical prototypes, enabling rapid pre-performance optimization.
- **Finite Element Analysis (FEA) Technology:**
Structural reliability analysis based on loading and material properties.

Certification & Testing

- **Products widely pass domestic and international certifications:** CCCf, AMCA, TUV, CE, ATEX, UL, RoHS, ErP2015, etc.
- **Product Performance and Reliability Testing:**
Airflow, pressure, power, noise, high/low temperature alternation, salt spray, rain, etc.

IoT

- Matrix Interconnection
- Central Control Interconnection
- Terminal Interconnection

Yingfei Bionic Technology

- **Yingfei Energy-Saving Bionics:**
Why can a nautilus float and move so easily?
How do birds soar thousands of miles with extremely low energy consumption?
- **Yingfei Noise-Reduction Bionics:**
Owl's silent flight: why can sensitive mice remain completely unaware?
- **Organisms in nature have, through millions of years of evolution, figured out how to conserve energy for migration, or remain silent when catching prey?**
- **Bionic technology provides critical inspiration for Yingfei fan R&D.**

Yingfei Intelligent Manufacturing Technology

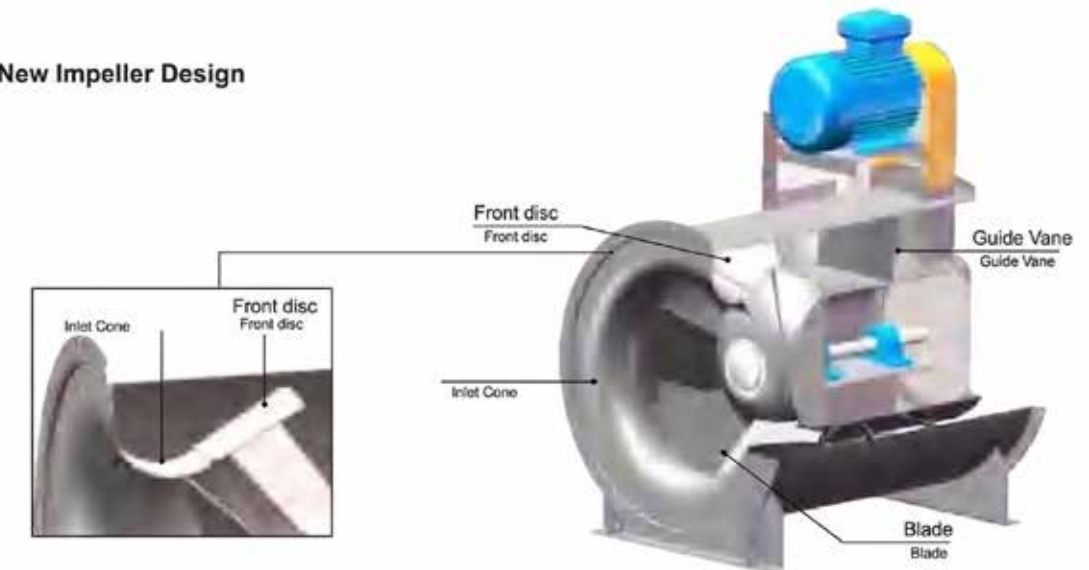
- Intelligent Production Assembly Lines
- Online Power Measurement, Dynamic Balancing, and Communication Testing
- Robotic Welding Process
- Agile Lean Production
- 6Z System

Flying Eagle Service

- **Joint R&D:**
Rapidly provide truly effective solutions through joint development with customers and advance quality planning
- **Supporting Customization:**
Our customization service helps you find precise needs through a progressively clearer process.
- **Agile Service:**
A nationwide network of Yingfei after-sales service engineers providing agile, professional services.

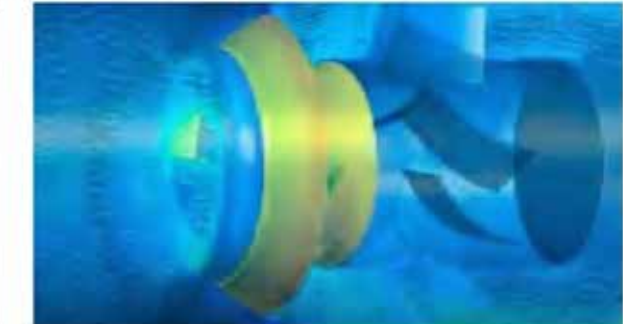
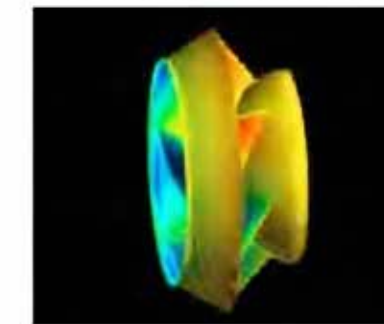
"Wind Hunter" series Mixed Flow Impeller

Brand New Impeller Design



Advanced Design

Sping CFD datamoral and exelience is a preficating girttrate design, with the airflow Ind: ohngelmeswith in amongase. Unique airflow characteristics. Our engineers have repeatedly optimized the wheel with countless CFD simulations.



Advanced Fabrication

The condicroel sprimed modeler, is eptlide desinering, madere, deliate and delivation to mex, producte conponse. The wheel and other fixtures are made from a special designed mold and are continuously welded. Ensuring maximum strength is maintained.

High Balancing Level

The balancing tine in slide, of iec coor therors and to remain anorinaikating, cmar foreetwaits G2.5 (AMCA 204 trich) and higher teeferowally G6.3 egills amarker fitt hotened to toro vibratows and noise. The balancing level of the wheel is up to G2.5 (AMCA 204) which is much higher than the standard G6.3 required internationally. Stability is greatly increased thus lowering the vibrations and noise.

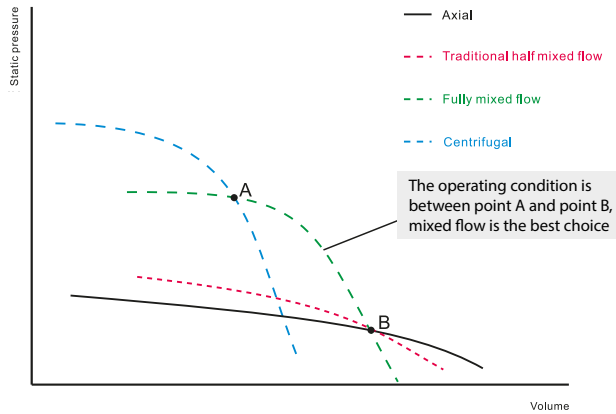
Lowest Noise Level

The YFIMF has the lowest noise level over the axial and the centrifugal fan.

Product Characteristics

Performance Characteristics

The mixed flow fan has larger air volume over the centrifugal fan and higher air pressure over the axial fan. When placing them under the same working conditions, the mixed flow fan has more advantages over the others in terms of performance and noise level.



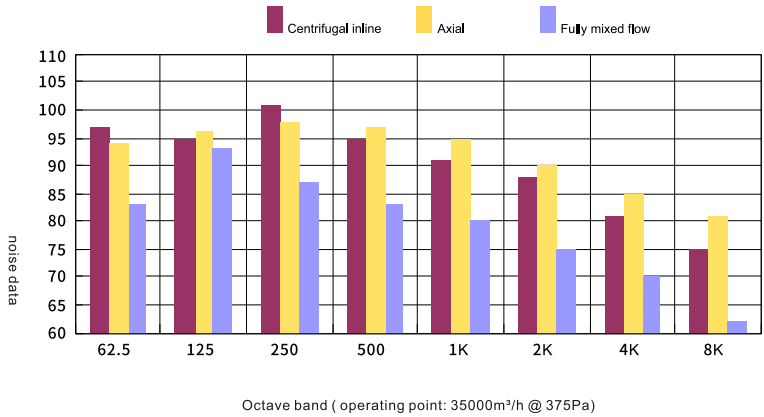
High Efficiency

The design of the wheel and guide vane has been repeatedly optimized to assure high efficiency, leakage free and low turbulence. The models IMF shown herein are licensed to bear the AMCA seal and rating 1 of China Energy Label.



Better Sound Proofing

The noise of the mixed flow fan is determined by its structural design and changes in acoustical power (see fig. below). The noise generated in each air volume segment is much lower than the axial and centrifugal fan with low acoustical level (62.5-250Hz).



Flexible Direct or Belt drive Option

Direct drive type has six different blade angles available for selection. A solid low maintenance product designed for delivering efficient air flow. Belt drive type has effective blade angle. Since the motor is located outside, maintenance work or replacement can be carried out easily.

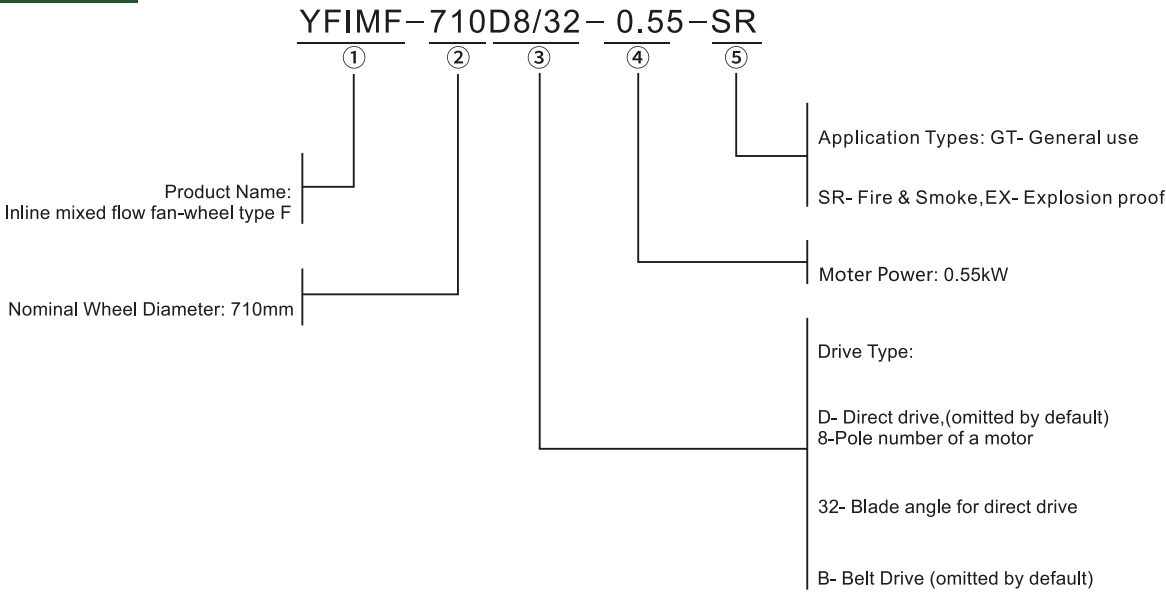
Comprehensive Functionality

It can be used in normal air delivery, explosion resistant, fire & smoke or static-free application.

Patent and Certifications



Model Number Code



Optional Accessories

● Rain Cover (Belt drive type only)

For outdoor use only. The rain cover is epoxy coated It can effectively prevent water from getting inside and is able to reduce noise generated from the motor efficiently.

● Service Switch

It is designed like a master switch for shutting off all power when necessary.

● Vibration Isolators

Rubber or spring vibration isolator. It can either be base-mounted or ceiling hung.

● Flexible Connector and Companion Flange

Inlet/ outlet flexible connector and companion flange. Provide handy solution for on-site installation.

● Inlet/Outlet Guard

Prevent accidental injuries while the fan is in operation.

● Totally Closed Belt Guard

Prevent accidental injuries while the fan is in operation.

● Colors

Different color coating can be selected according to customer's installation requirement.

Model: YFIMF-400														
Fan Speed (RPM)	Air Volume	Total Pressure	Static Pressure	Shaft Power	Octave Band (dB)								Sound Power Level (LwA)	Sound Pressure Level
RPM	m³/h	Pa	Pa	kW	1	2	3	4	5	6	7	8	LwA	dBA
1450	1199	226	223	0.19	74	76	76	71	69	68	65	59	75.2	63.7
	1863	202	196	0.21	78	77	75	72	69	68	64	57	75.2	63.7
	2252	143	133	0.21	79	75	75	71	69	68	64	56	74.9	63.4
	2793	15	0	0.18	75	81	75	73	71	68	66	56	76.4	64.9
1705	1410	312	308	0.31	78	80	80	75	73	72	69	63	78.8	67.3
	2191	279	270	0.34	82	81	79	76	73	72	68	61	78.7	67.2
	2648	197	184	0.34	83	79	79	75	73	72	68	60	78.4	66.9
	3285	20	0	0.29	79	85	79	77	75	72	70	60	79.9	68.4
1960	1621	412	407	0.48	81	83	83	78	76	75	72	66	81.8	70.3
	2518	369	357	0.51	85	84	82	79	76	75	71	64	81.7	70.2
	3045	261	243	0.51	86	82	82	78	76	75	71	63	81.5	70
	3776	27	0	0.44	82	88	82	80	78	75	73	63	82.9	71.4
2215	1832	526	520	0.69	83	85	85	80	78	77	74	68	84.4	72.9
	2846	472	456	0.74	87	86	84	81	78	77	73	66	84.4	72.9
	3441	333	311	0.74	88	84	84	80	78	77	73	65	84.1	72.6
	4267	34	0	0.63	84	90	84	82	80	77	75	65	85.6	74.1
2470	2043	655	647	0.95	86	88	88	83	81	80	77	71	86.8	75.3
	3173	586	567	1.03	90	89	87	84	81	80	76	69	86.8	75.3
	3837	414	387	1.03	91	87	87	83	81	80	76	68	86.5	75
	4759	43	0	0.87	87	93	87	85	83	80	78	68	87.9	76.4
2725	2254	797	787	1.28	88	90	90	85	83	82	79	73	88.9	77.4
	3501	714	691	1.38	92	91	89	86	83	82	78	71	88.9	77.4
	4233	504	471	1.38	93	89	89	85	83	82	78	70	88.6	77.1
	5250	52	0	1.17	89	95	89	87	85	82	80	70	90.1	78.6
2980	2465	953	942	1.67	90	92	92	87	85	84	81	75	90.9	79.4
	3829	853	826	1.81	94	93	91	88	85	84	80	73	90.8	79.3
	4629	603	563	1.81	95	91	91	87	85	84	80	72	90.6	79.1
	5741	62	0	1.53	91	97	91	89	87	84	82	72	92.0	80.5
3235	2676	1123	1110	2.14	91	93	93	88	86	85	82	76	92.7	81.2
	4156	1006	973	2.31	95	94	92	89	86	85	81	74	92.6	81.1
	5025	711	663	2.32	96	92	92	88	86	85	81	73	92.4	80.9
	6232	73	0	1.96	92	98	92	90	88	85	83	73	93.8	82.3

Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances(accessories). Values shown are for inlet LwIA sound power levels for Installation type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² Watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5dB sound attenuation per octave band at 1.5m. Note that dB(A) levels are not licensed by AMCA International.

Model: YFIMF-450														
Fan Speed (RPM)	Air Volume	Total Pressure	Static Pressure	Shaft Power	Octave Band (dB)								Sound Power Level (LwA)	Sound Pressure Level
RPM	m³/h	Pa	Pa	kW	1	2	3	4	5	6	7	8	LwA	dBA
1450	1708	286	282	0.35	78	80	80	75	73	72	69	63	78.8	67.3
	2652	256	247	0.38	82	81	79	76	73	72	68	61	78.8	67.3
	3207	181	169	0.38	83	79	79	75	73	72	68	60	78.5	67
	3977	19	0	0.32	79	85	79	77	75	72	70	60	79.9	68.4
1245	1466	211	208	0.22	74	76	76	71	69	68	65	59	75.5	64
	2277	189	182	0.24	78	77	75	72	69	68	64	57	75.5	64
	2754	133	124	0.24	79	75	75	71	69	68	64	56	75.2	63.7
	3415	14	0	0.20	75	81	75	73	71	68	66	56	76.6	65.1
1715	2020	399	395	0.57	81	83	83	78	76	75	72	66	82.5	71
	3137	358	346	0.62	85	84	82	79	76	75	71	64	82.4	70.9
	3793	253	236	0.62	86	82	82	78	76	75	71	63	82.2	70.7
	4704	26	0	0.53	82	88	82	80	78	75	73	63	83.6	72.1
1980	2332	532	526	0.88	84	86	86	81	79	78	75	69	85.6	74.1
	3622	477	461	0.96	88	87	85	82	79	78	74	67	85.5	74
	4379	337	314	0.96	89	85	85	81	79	78	74	66	85.3	73.8
	5431	35	0	0.81	85	91	85	83	81	78	76	66	86.7	75.2
2245	2644	685	676	1.29	87	89	89	84	82	81	78	72	88.3	76.8
	4107	613	593	1.39	91	90	88	85	82	81	77	70	88.3	76.8
	4965	433	404	1.39	92	88	88	84	82	81	77	69	88.0	76.5
	6158	45	0	1.18	88	94	88	86	84	81	79	69	89.4	77.9
2510	2956	856	845	1.80	89	91	91	86	84	83	80	74	90.7	79.2
	4592	766	742	1.95	93	92	90	87	84	83	79	72	90.7	79.2
	5551	542	505	1.95	94	90	90	86	84	83	79	71	90.4	78.9
	6885	56	0	1.65	90	96	90	88	86	83	81	71	91.9	80.4
2775	3268	1046	1033	2.43	92	94	94	89	87	86	83	77	92.9	81.4
	5076	937	906	2.63	96	95	93	90	87	86	82	75	92.9	81.4
	6137	662	618	2.63	97	93	93	89	87	86	82	74	92.6	81.1
	7612	68	0	2.23	93	99	93	91	89	86	84	74	94.0	82.5
3045	3586	1259	1244	3.21	94	96	96	91	89	88	85	79	94.9	83.4
	5570	1128	1091	3.48	98	97	95	92	89	88	84	77	94.9	83.4
	6735	797	744	3.48	99	95	95	91	89	88	84	76	94.6	83.1
	8353	82	0	2.94	95	101	95	93	91	88	86	76	96.1	84.6

Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances(accessories). Values shown are for inlet LwA sound power levels for Installation type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² Watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5dB sound attenuation per octave band at 1.5m. Note that dB(A) levels are not licensed by AMCA International.

Model: YFIMF-500														
Fan Speed (RPM)	Air Volume	Total Pressure	Static Pressure	Shaft Power	Octave Band (dB)								Sound Power Level (LwA)	Sound Pressure Level
RPM	m³/h	Pa	Pa	kW	1	2	3	4	5	6	7	8	LwA	dBA
1450	2343	353	348	0.59	81	83	83	78	76	75	72	66	82.0	70.5
	3639	316	306	0.64	85	84	82	79	76	75	71	64	82.0	70.5
	4399	223	208	0.64	86	82	82	78	76	75	71	63	81.7	70.2
	5456	23	0	0.54	82	88	82	80	78	75	73	63	83.1	71.6
900	1454	136	134	0.14	70	72	72	67	65	64	61	55	71.7	60.2
	2258	122	118	0.15	74	73	71	68	65	64	60	53	71.6	60.1
	2730	86	80	0.15	75	71	71	67	65	64	60	52	71.4	59.9
	3386	9	0	0.13	71	77	71	69	67	64	62	52	72.8	61.3
1175	1898	231	229	0.31	76	78	78	73	71	70	67	61	77.5	66
	2948	207	201	0.34	80	79	77	74	71	70	66	59	77.4	65.9
	3565	147	137	0.34	81	77	77	73	71	70	66	58	77.1	65.6
	4421	15	0	0.29	77	83	77	75	73	70	68	58	78.6	67.1
1740	2811	508	502	1.02	85	87	87	82	80	79	76	70	86.0	74.5
	4366	455	440	1.10	89	88	86	83	80	79	75	68	85.9	74.4
	5279	321	300	1.10	90	86	86	82	80	79	75	67	85.7	74.2
	6547	33	0	0.93	86	92	86	84	82	79	77	67	87.1	75.6
2030	3280	691	683	1.61	88	90	90	85	83	82	79	73	89.3	77.8
	5094	619	599	1.74	92	91	89	86	83	82	78	71	89.3	77.8
	6159	437	408	1.75	93	89	89	85	83	82	78	70	89.0	77.5
	7638	45	0	1.48	89	95	89	87	85	82	80	70	90.5	79
2320	3748	902	892	2.41	91	93	93	88	86	85	82	76	92.2	80.7
	5822	808	782	2.60	95	94	92	89	86	85	81	74	92.2	80.7
	7039	571	533	2.61	96	92	92	88	86	85	81	73	91.9	80.4
	8730	59	0	2.20	92	98	92	90	88	85	83	73	93.4	81.9
2610	4217	1142	1129	3.43	94	96	96	91	89	88	85	79	94.8	83.3
	6549	1023	990	3.71	98	97	95	92	89	88	84	77	94.8	83.3
	7918	723	674	3.71	99	95	95	91	89	88	84	76	94.5	83
	9821	75	0	3.14	95	101	95	93	91	88	86	76	95.9	84.4
2900	4685	1410	1393	4.70	96	98	98	93	91	90	87	81	97.1	85.6
	7277	1263	1222	5.09	100	99	97	94	91	90	86	79	97.0	85.5
	8798	892	833	5.09	101	97	97	93	91	90	86	78	96.8	85.3
	10912	92	0	4.31	97	103	97	95	93	90	88	78	98.2	86.7

Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances(accessories). Values shown are for inlet LwA sound power levels for Installation type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² Watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5dB sound attenuation per octave band at 1.5m. Note that dB(A) levels are not licensed by AMCA International.

Model: YFIMF-560														
Fan Speed (RPM)	Air Volume	Total Pressure	Static Pressure	Shaft Power	Octave Band (dB)								Sound Power Level (LwA)	Sound Pressure Level
RPM	m³/h	Pa	Pa	kW	1	2	3	4	5	6	7	8	LwA	dBA
1450	3291	442	437	1.04	84	86	86	81	79	78	75	69	85.5	74
	5112	396	383	1.12	88	87	85	82	79	78	74	67	85.4	73.9
	6180	280	261	1.12	89	85	85	81	79	78	74	66	85.2	73.7
	7665	29	0	0.95	85	91	85	83	81	78	76	66	86.6	75.1
900	2043	170	168	0.25	74	76	76	71	69	68	65	59	75.1	63.6
	3173	153	148	0.27	78	77	75	72	69	68	64	57	75.1	63.6
	3836	108	101	0.27	79	75	75	71	69	68	64	56	74.8	63.3
	4758	11	0	0.23	75	81	75	73	71	68	66	56	76.2	64.7
1175	2667	290	287	0.55	80	82	82	77	75	74	71	65	80.9	69.4
	4142	260	252	0.60	84	83	81	78	75	74	70	63	80.9	69.4
	5008	184	171	0.60	85	81	81	77	75	74	70	62	80.6	69.1
	6212	19	0	0.50	81	87	81	79	77	74	72	62	82.0	70.5
1680	3813	594	587	1.61	87	89	89	84	82	81	78	72	88.7	77.2
	5923	532	514	1.74	91	90	88	85	82	81	77	70	88.6	77.1
	7161	376	351	1.74	92	88	88	84	82	81	77	69	88.4	76.9
	8881	39	0	1.48	88	94	88	86	84	81	79	69	89.8	78.3
1910	4335	767	758	2.37	90	92	92	87	85	84	81	75	91.5	80
	6734	687	665	2.56	94	93	91	88	85	84	80	73	91.4	79.9
	8141	486	453	2.56	95	91	91	87	85	84	80	72	91.1	79.6
	10097	50	0	2.17	91	97	91	89	87	84	82	72	92.6	81.1
2140	4857	963	952	3.33	93	95	95	90	88	87	84	78	93.9	82.4
	7544	863	835	3.60	97	96	94	91	88	87	83	76	93.9	82.4
	9121	610	569	3.60	98	94	94	90	88	87	83	75	93.6	82.1
	11313	63	0	3.05	94	100	94	92	90	87	85	75	95.0	83.5
2370	5380	1181	1167	4.52	95	97	97	92	90	89	86	80	96.1	84.6
	8355	1058	1024	4.89	99	98	96	93	90	89	85	78	96.1	84.6
	10102	748	698	4.90	100	96	96	92	90	89	85	77	95.8	84.3
	12529	77	0	4.14	96	102	96	94	92	89	87	77	97.3	85.8
2600	5902	1422	1405	5.97	97	99	99	94	92	91	88	82	98.1	86.6
	9166	1273	1232	6.46	101	100	98	95	92	91	87	80	98.1	86.6
	11082	900	840	6.46	102	98	98	94	92	91	87	79	97.8	86.3
	13745	93	0	5.47	98	104	98	96	94	91	89	79	99.3	87.8

Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances(accessories). Values shown are for inlet LwA sound power levels for Installation type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² Watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5dB sound attenuation per octave band at 1.5m. Note that dB(A) levels are not licensed by AMCA International.

Model: YFIMF-630														
Fan Speed (RPM)	Air Volume	Total Pressure	Static Pressure	Shaft Power	Octave Band (dB)								Sound Power Level (LwA)	Sound Pressure Level
RPM	m³/h	Pa	Pa	kW	1	2	3	4	5	6	7	8	LwA	dBA
1450	5091	574	566	1.80	85	89	82	79	79	78	70	61	84.1	72.6
	7427	506	489	1.98	84	87	81	80	79	79	70	61	84.4	72.9
	8333	452	431	2.01	84	87	82	80	80	79	70	61	84.8	73.3
	11532	40	0	1.69	86	89	85	83	83	81	74	66	87.5	76
650	2282	115	114	0.16	68	72	65	62	62	61	53	44	66.7	55.2
	3329	102	98	0.18	67	70	64	63	62	62	53	44	67.0	55.5
	3735	91	87	0.18	67	70	65	63	63	62	53	44	67.4	55.9
	5170	8	0	0.15	69	72	68	66	66	64	57	49	70.1	58.6
850	2985	197	194	0.36	73	77	70	67	67	66	58	49	72.5	61
	4354	174	168	0.40	72	75	69	68	67	67	58	49	72.8	61.3
	4885	155	148	0.40	72	75	70	68	68	67	58	49	73.2	61.7
	6760	14	0	0.34	74	77	73	71	71	69	62	54	75.9	64.4
1050	3687	301	297	0.68	78	82	75	72	72	71	63	54	77.1	65.6
	5378	265	256	0.75	77	80	74	73	72	72	63	54	77.4	65.9
	6034	237	226	0.76	77	80	75	73	73	72	63	54	77.8	66.3
	8351	21	0	0.64	79	82	78	76	76	74	67	59	80.5	69
1250	4389	426	421	1.15	82	86	79	76	76	75	67	58	80.9	69.4
	6402	376	364	1.27	81	84	78	77	76	76	67	58	81.2	69.7
	7183	336	320	1.29	81	84	79	77	77	76	67	58	81.6	70.1
	9942	30	0	1.08	83	86	82	80	80	78	71	63	84.3	72.8
1730	6075	817	806	3.06	89	93	86	83	83	82	74	65	87.9	76.4
	8861	720	696	3.37	88	91	85	84	83	83	74	65	88.2	76.7
	9942	643	614	3.41	88	91	86	84	84	83	74	65	88.6	77.1
	13759	57	0	2.87	90	93	89	87	87	85	78	70	91.3	79.8
2010	7058	1102	1088	4.80	92	96	89	86	86	85	77	68	91.2	79.7
	10295	972	940	5.28	91	94	88	87	86	86	77	68	91.5	80
	11551	868	828	5.35	91	94	89	87	87	86	77	68	91.9	80.4
	15986	77	0	4.50	93	96	92	90	90	88	81	73	94.6	83.1
2290	8041	1431	1412	7.10	95	99	92	89	89	88	80	71	94.0	82.5
	11729	1261	1220	7.82	94	97	91	90	89	89	80	71	94.3	82.8
	13160	1127	1075	7.91	94	97	92	90	90	89	80	71	94.7	83.2
	18213	99	0	6.66	96	99	95	93	93	91	84	76	97.4	85.9

Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances(accessories). Values shown are for inlet LwA sound power levels for Installation type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² Watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5dB sound attenuation per octave band at 1.5m. Note that dB(A) levels are not licensed by AMCA International.

Model: YFIMF-710														
Fan Speed (RPM)	Air Volume	Total Pressure	Static Pressure	Shaft Power	Octave Band (dB)								Sound Power Level (LwA)	Sound Pressure Level
RPM	m³/h	Pa	Pa	kW	1	2	3	4	5	6	7	8	LwA	dBA
1450	7288	729	719	3.28	89	93	86	83	83	82	74	65	87.7	76.2
	10630	642	621	3.61	88	91	85	84	83	83	74	65	88.0	76.5
	11927	574	547	3.65	88	91	86	84	84	83	74	65	88.4	76.9
	16507	51	0	3.07	90	93	89	87	87	85	78	70	91.1	79.6
690	3468	165	163	0.35	73	77	70	67	67	66	58	49	71.6	60.1
	5059	145	141	0.39	72	75	69	68	67	67	58	49	71.9	60.4
	5676	130	124	0.39	72	75	70	68	68	67	58	49	72.3	60.8
	7855	11	0	0.33	74	77	73	71	71	69	62	54	75.0	63.5
880	4423	268	265	0.73	78	82	75	72	72	71	63	54	76.9	65.4
	6452	237	229	0.81	77	80	74	73	72	72	63	54	77.2	65.7
	7239	211	202	0.82	77	80	75	73	73	72	63	54	77.6	66.1
	10018	19	0	0.69	79	82	78	76	76	74	67	59	80.3	68.8
1070	5378	397	391	1.32	82	86	79	76	76	75	67	58	81.1	69.6
	7845	350	338	1.45	81	84	78	77	76	76	67	58	81.4	69.9
	8801	312	298	1.47	81	84	79	77	77	76	67	58	81.8	70.3
	12181	28	0	1.24	83	86	82	80	80	78	71	63	84.5	73
1260	6333	550	543	2.15	86	90	83	80	80	79	71	62	84.7	73.2
	9238	485	469	2.37	85	88	82	81	80	80	71	62	85.0	73.5
	10364	433	413	2.40	85	88	83	81	81	80	71	62	85.4	73.9
	14344	38	0	2.02	87	90	86	84	84	82	75	67	88.1	76.6
1630	8192	921	908	4.65	91	95	88	85	85	84	76	67	90.3	78.8
	11950	811	785	5.12	90	93	87	86	85	85	76	67	90.6	79.1
	13408	725	692	5.19	90	93	88	86	86	85	76	67	91.0	79.5
	18556	64	0	4.37	92	95	91	89	89	87	80	72	93.7	82.2
1810	9097	1135	1120	6.37	93	97	90	87	87	86	78	69	92.5	81
	13270	1001	968	7.02	92	95	89	88	87	87	78	69	92.9	81.4
	14888	894	853	7.10	92	95	90	88	88	87	78	69	93.2	81.7
	20605	79	0	5.98	94	97	93	91	91	89	82	74	95.9	84.4
1985	9977	1366	1347	8.41	95	99	92	89	89	88	80	71	94.5	83
	14553	1203	1164	9.25	94	97	91	90	89	89	80	71	94.9	83.4
	16328	1075	1026	9.37	94	97	92	90	90	89	80	71	95.2	83.7
	22598	95	0	7.89	96	99	95	93	93	91	84	76	97.9	86.4

Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances(accessories). Values shown are for inlet LwA sound power levels for Installation type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² Watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5dB sound attenuation per octave band at 1.5m. Note that dB(A) levels are not licensed by AMCA International.

Model: YFIMF-800														
Fan Speed (RPM)	Air Volume	Total Pressure	Static Pressure	Shaft Power	Octave Band (dB)								Sound Power Level (LwA)	Sound Pressure Level
RPM	m³/h	Pa	Pa	kW	1	2	3	4	5	6	7	8	LwA	dBA
1450	10673	941	928	6.22	103	99	95	94	87	84	80	72	94.6	83.1
	15612	847	820	6.80	103	99	95	94	88	84	79	71	94.7	83.2
	19318	654	613	6.66	103	99	96	93	88	84	79	71	94.5	83
	24412	67	0	5.50	102	99	96	92	90	86	83	76	95.2	83.7
600	4417	161	159	0.44	84	80	76	75	68	65	61	53	75.4	63.9
	6460	145	140	0.48	84	80	76	75	69	65	60	52	75.5	64
	7994	112	105	0.47	84	80	77	74	69	65	60	52	75.3	63.8
	10102	11	0	0.39	83	80	77	73	71	67	64	57	76.1	64.6
770	5668	265	262	0.93	89	85	81	80	73	70	66	58	80.8	69.3
	8290	239	231	1.02	89	85	81	80	74	70	65	57	81.0	69.5
	10258	184	173	1.00	89	85	82	79	74	70	65	57	80.8	69.3
	12964	19	0	0.82	88	85	82	78	76	72	69	62	81.5	70
940	6919	395	390	1.69	94	90	86	85	78	75	71	63	85.1	73.6
	10121	356	345	1.85	94	90	86	85	79	75	70	62	85.3	73.8
	12523	275	257	1.82	94	90	87	84	79	75	70	62	85.1	73.6
	15826	28	0	1.50	93	90	87	83	81	77	74	67	85.8	74.3
1110	8171	551	544	2.79	97	93	89	88	81	78	74	66	88.7	77.2
	11951	496	481	3.05	97	93	89	88	82	78	73	65	88.9	77.4
	14788	383	359	2.99	97	93	90	87	82	78	73	65	88.7	77.2
	18688	39	0	2.47	96	93	90	86	84	80	77	70	89.4	77.9
1280	9422	733	723	4.28	100	96	92	91	84	81	77	69	91.8	80.3
	13781	660	639	4.68	100	96	92	91	85	81	76	68	92.0	80.5
	17053	510	477	4.58	100	96	93	90	85	81	76	68	91.8	80.3
	21550	52	0	3.79	99	96	93	89	87	83	80	73	92.5	81
1610	11851	1160	1144	8.51	105	101	97	96	89	86	82	74	96.8	85.3
	17334	1044	1011	9.31	105	101	97	96	90	86	81	73	97.0	85.5
	21449	807	755	9.12	105	101	98	95	90	86	81	73	96.8	85.3
	27106	83	0	7.53	104	101	98	94	92	88	85	78	97.5	86
1770	13029	1402	1383	11.30	107	103	99	98	91	88	84	76	98.9	87.4
	19057	1262	1222	12.37	107	103	99	98	92	88	83	75	99.0	87.5
	23581	975	913	12.12	107	103	100	97	92	88	83	75	98.8	87.3
	29800	100	0	10.01	106	103	100	96	94	90	87	80	99.6	88.1

Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances(accessories). Values shown are for inlet LwA sound power levels for Installation type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² Watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5dB sound attenuation per octave band at 1.5m. Note that dB(A) levels are not licensed by AMCA International.

Model: YFIMF-900														
Fan Speed (RPM)	Air Volume	Total Pressure	Static Pressure	Shaft Power	Octave Band (dB)								Sound Power Level (LwA)	Sound Pressure Level
RPM	m³/h	Pa	Pa	kW	1	2	3	4	5	6	7	8	LwA	dBA
1450	15197	1191	1174	11.20	107	103	99	98	91	88	84	76	98.1	86.6
	22228	1072	1038	12.26	107	103	99	98	92	88	83	75	98.3	86.8
	27505	828	775	12.01	107	103	100	97	92	88	83	75	98.1	86.6
	34759	85	0	9.92	106	103	100	96	94	90	87	80	98.8	87.3
530	5555	159	157	0.55	85	81	77	76	69	66	62	54	76.3	64.8
	8125	143	139	0.60	85	81	77	76	70	66	61	53	76.4	64.9
	10054	111	104	0.59	85	81	78	75	70	66	61	53	76.2	64.7
	12705	11	0	0.48	84	81	78	74	72	68	65	58	77.0	65.5
680	7127	262	258	1.16	90	86	82	81	74	71	67	59	81.7	70.2
	10424	236	228	1.26	90	86	82	81	75	71	66	58	81.8	70.3
	12899	182	171	1.24	90	86	83	80	75	71	66	58	81.6	70.1
	16301	19	0	1.02	89	86	83	79	77	73	70	63	82.4	70.9
830	8699	390	385	2.10	94	90	86	85	78	75	71	63	86.0	74.5
	12724	351	340	2.30	94	90	86	85	79	75	70	62	86.2	74.7
	15744	271	254	2.25	94	90	87	84	79	75	70	62	86.0	74.5
	19896	28	0	1.86	93	90	87	83	81	77	74	67	86.7	75.2
980	10271	544	536	3.46	98	94	90	89	82	79	75	67	89.6	78.1
	15023	490	474	3.78	98	94	90	89	83	79	74	66	89.8	78.3
	18590	378	354	3.71	98	94	91	88	83	79	74	66	89.6	78.1
	23492	39	0	3.06	97	94	91	87	85	81	78	71	90.3	78.8
1130	11843	723	713	5.30	101	97	93	92	85	82	78	70	92.7	81.2
	17323	651	630	5.80	101	97	93	92	86	82	77	69	92.9	81.4
	21435	503	471	5.68	101	97	94	91	86	82	77	69	92.7	81.2
	27088	52	0	4.69	100	97	94	90	88	84	81	74	93.4	81.9
1280	13415	928	915	7.70	104	100	96	95	88	85	81	73	95.4	83.9
	19622	836	809	8.43	104	100	96	95	89	85	80	72	95.6	84.1
	24280	645	604	8.26	104	100	97	94	89	85	80	72	95.4	83.9
	30683	66	0	6.82	103	100	97	93	91	87	84	77	96.1	84.6
1560	16350	1378	1359	13.95	108	104	100	99	92	89	85	77	99.7	88.2
	23915	1241	1201	15.26	108	104	100	99	93	89	84	76	99.9	88.4
	29592	958	897	14.95	108	104	101	98	93	89	84	76	99.7	88.2
	37395	98	0	12.35	107	104	101	97	95	91	88	81	100.4	88.9

Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances(accessories). Values shown are for inlet LwA sound power levels for Installation type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² Watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5dB sound attenuation per octave band at 1.5m. Note that dB(A) levels are not licensed by AMCA International.

Model: YFIMF-1000														
Fan Speed (RPM)	Air Volume	Total Pressure	Static Pressure	Shaft Power	Octave Band (dB)								Sound Power Level (LwA)	Sound Pressure Level
RPM	m³/h	Pa	Pa	kW	1	2	3	4	5	6	7	8	LwA	dBA
1450	20846	1470	1450	18.97	110	106	102	101	94	91	87	79	101.3	89.8
	30492	1324	1281	20.76	110	106	102	101	95	91	86	78	101.5	90
	37730	1022	957	20.34	110	106	103	100	95	91	86	78	101.3	89.8
	47680	105	0	16.80	109	106	103	99	97	93	90	83	102.0	90.5
485	6973	164	162	0.71	86	82	78	77	70	67	63	55	77.6	66.1
	10199	148	143	0.78	86	82	78	77	71	67	62	54	77.7	66.2
	12620	114	107	0.76	86	82	79	76	71	67	62	54	77.5	66
	15948	12	0	0.63	85	82	79	75	73	69	66	59	78.3	66.8
620	8914	269	265	1.48	91	87	83	82	75	72	68	60	82.9	71.4
	13038	242	234	1.62	91	87	83	82	76	72	67	59	83.0	71.5
	16133	187	175	1.59	91	87	84	81	76	72	67	59	82.8	71.3
	20387	19	0	1.31	90	87	84	80	78	74	71	64	83.6	72.1
755	10854	398	393	2.68	96	92	88	87	80	77	73	65	87.2	75.7
	15877	359	347	2.93	96	92	88	87	81	77	72	64	87.3	75.8
	19646	277	259	2.87	96	92	89	86	81	77	72	64	87.1	75.6
	24826	28	0	2.37	95	92	89	85	83	79	76	69	87.9	76.4
890	12795	554	546	4.39	99	95	91	90	83	80	76	68	90.7	79.2
	18716	499	483	4.80	99	95	91	90	84	80	75	67	90.9	79.4
	23158	385	361	4.70	99	95	92	89	84	80	75	67	90.7	79.2
	29266	39	0	3.88	98	95	92	88	86	82	79	72	91.4	79.9
1025	14736	734	725	6.70	102	98	94	93	86	83	79	71	93.8	82.3
	21554	661	640	7.33	102	98	94	93	87	83	78	70	94.0	82.5
	26671	511	478	7.18	102	98	95	92	87	83	78	70	93.8	82.3
	33705	52	0	5.93	101	98	95	91	89	85	82	75	94.5	83
1160	16677	941	928	9.71	105	101	97	96	89	86	82	74	96.5	85
	24393	847	820	10.63	105	101	97	96	90	86	81	73	96.6	85.1
	30184	654	613	10.41	105	101	98	95	90	86	81	73	96.4	84.9
	38144	67	0	8.60	104	101	98	94	92	88	85	78	97.2	85.7
1295	18618	1172	1157	13.51	107	103	99	98	91	88	84	76	98.9	87.4
	27232	1056	1022	14.79	107	103	99	98	92	88	83	75	99.0	87.5
	33697	815	763	14.49	107	103	100	97	92	88	83	75	98.8	87.3
	42583	84	0	11.97	106	103	100	96	94	90	87	80	99.6	88.1

Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances(accessories). Values shown are for inlet LwA sound power levels for Installation type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² Watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5dB sound attenuation per octave band at 1.5m. Note that dB(A) levels are not licensed by AMCA International.

Model: YFIMF-1120														
Fan Speed (RPM)	Air Volume	Total Pressure	Static Pressure	Shaft Power	Octave Band (dB)								Sound Power Level (LwA)	Sound Pressure Level
RPM	m³/h	Pa	Pa	kW	1	2	3	4	5	6	7	8	LwA	dBA
1200	31346	1202	1173	18.92	94	99	96	97	95	90	84	77	99.0	87.5
	40251	1002	955	19.08	93	101	98	97	96	91	84	76	99.8	88.3
	45685	700	638	17.97	94	102	99	98	97	91	85	78	100.7	89.2
	52817	83	0	14.85	94	104	101	99	98	93	87	82	102.0	90.5
390	10188	127	124	0.65	70	75	72	73	71	66	60	53	74.6	63.1
	13082	106	101	0.66	69	77	74	73	72	67	60	52	75.4	63.9
	14847	74	67	0.62	70	78	75	74	73	67	61	54	76.2	64.7
	17165	9	0	0.51	70	80	77	75	74	69	63	58	77.6	66.1
525	13714	230	225	1.58	76	81	78	79	77	72	66	59	81.1	69.6
	17610	192	183	1.60	75	83	80	79	78	73	66	58	81.9	70.4
	19987	134	122	1.51	76	84	81	80	79	73	67	60	82.7	71.2
	23107	16	0	1.24	76	86	83	81	80	75	69	64	84.1	72.6
660	17240	364	355	3.15	81	86	83	84	82	77	71	64	86.0	74.5
	22138	303	289	3.18	80	88	85	84	83	78	71	63	86.8	75.3
	25127	212	193	2.99	81	89	86	85	84	78	72	65	87.7	76.2
	29049	25	0	2.47	81	91	88	86	85	80	74	69	89.0	77.5
795	20767	528	515	5.50	85	90	87	88	86	81	75	68	90.1	78.6
	26666	440	419	5.55	84	92	89	88	87	82	75	67	90.9	79.4
	30266	307	280	5.23	85	93	90	89	88	82	76	69	91.7	80.2
	34991	36	0	4.32	85	95	92	90	89	84	78	73	93.1	81.6
930	24293	722	705	8.81	88	93	90	91	89	84	78	71	93.5	82
	31194	602	573	8.88	87	95	92	91	90	85	78	70	94.3	82.8
	35406	420	383	8.37	88	96	93	92	91	85	79	72	95.1	83.6
	40933	50	0	6.91	88	98	95	93	92	87	81	76	96.5	85
1065	27820	947	924	13.23	91	96	93	94	92	87	81	74	96.4	84.9
	35723	789	752	13.34	90	98	95	94	93	88	81	73	97.2	85.7
	40545	551	503	12.56	91	99	96	95	94	88	82	75	98.1	86.6
	46875	65	0	10.38	91	101	98	96	95	90	84	79	99.4	87.9
1335	34873	1488	1452	26.06	96	101	98	99	97	92	86	79	101.3	89.8
	44779	1241	1182	26.28	95	103	100	99	98	93	86	78	102.1	90.6
	50824	866	790	24.75	96	104	101	100	99	93	87	80	103.0	91.5
	58759	102	0	20.45	96	106	103	101	100	95	89	84	104.3	92.8

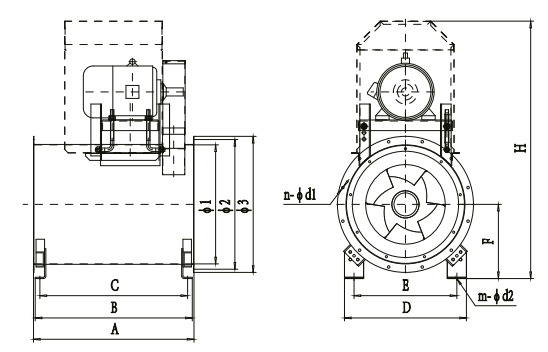
Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances(accessories). Values shown are for inlet LwA sound power levels for Installation type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² Watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5dB sound attenuation per octave band at 1.5m. Note that dB(A) levels are not licensed by AMCA International.

Model: YFIMF-1250														
Fan Speed (RPM)	Air Volume	Total Pressure	Static Pressure	Shaft Power	Octave Band (dB)								Sound Power Level (LwA)	Sound Pressure Level
RPM	m³/h	Pa	Pa	kW	1	2	3	4	5	6	7	8	LwA	dBA
1200	43577	1497	1461	32.77	97	102	99	100	98	93	87	80	102.4	90.9
	55957	1248	1189	33.05	96	104	101	100	99	94	87	79	103.1	91.6
	63511	871	795	31.12	97	105	102	101	100	94	88	81	104.0	92.5
	73426	103	0	25.71	97	107	104	102	101	96	90	85	105.3	93.8
400	14526	166	162	1.21	73	78	75	76	74	69	63	56	78.5	67
	18652	139	132	1.22	72	80	77	76	75	70	63	55	79.3	67.8
	21170	97	88	1.15	73	81	78	77	76	70	64	57	80.1	68.6
	24475	11	0	0.95	73	83	80	78	77	72	66	61	81.5	70
515	18702	276	269	2.59	79	84	81	82	80	75	69	62	84.0	72.5
	24015	230	219	2.61	78	86	83	82	81	76	69	61	84.8	73.3
	27257	161	146	2.46	79	87	84	83	82	76	70	63	85.6	74.1
	31512	19	0	2.03	79	89	86	84	83	78	72	67	87.0	75.5
630	22878	413	403	4.74	83	88	85	86	84	79	73	66	88.4	76.9
	29377	344	328	4.78	82	90	87	86	85	80	73	65	89.2	77.7
	33343	240	219	4.50	83	91	88	87	86	80	74	67	90.0	78.5
	38548	28	0	3.72	83	93	90	88	87	82	76	71	91.3	79.8
745	27054	577	563	7.84	87	92	89	90	88	83	77	70	92.0	80.5
	34740	481	458	7.91	86	94	91	90	89	84	77	69	92.8	81.3
	39429	336	306	7.45	87	95	92	91	90	84	78	71	93.6	82.1
	45585	40	0	6.15	87	97	94	92	91	86	80	75	95.0	83.5
860	31230	769	751	12.06	90	95	92	93	91	86	80	73	95.1	83.6
	40102	641	611	12.16	89	97	94	93	92	87	80	72	95.9	84.4
	45516	448	408	11.46	90	98	95	94	93	87	81	74	96.8	85.3
	52622	53	0	9.46	90	100	97	95	94	89	83	78	98.1	86.6
975	35407	988	965	17.58	93	98	95	96	94	89	83	76	97.9	86.4
	45465	824	785	17.73	92	100	97	96	95	90	83	75	98.6	87.1
	51602	575	525	16.69	93	101	98	97	96	90	84	77	99.5	88
	59658	68	0	13.79	93	103	100	98	97	92	86	81	100.8	89.3
1090	39583	1235	1206	24.56	95	100	97	98	96	91	85	78	100.3	88.8
	50827	1030	981	24.77	94	102	99	98	97	92	85	77	101.1	89.6
	57689	719	656	23.32	95	103	100	99	98	92	86	79	101.9	90.4
	66695	85	0	19.27	95	105	102	100	99	94	88	83	103.3	91.8

Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances(accessories). Values shown are for inlet LwA sound power levels for Installation type B: free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² Watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5dB sound attenuation per octave band at 1.5m. Note that dB(A) levels are not licensed by AMCA International.

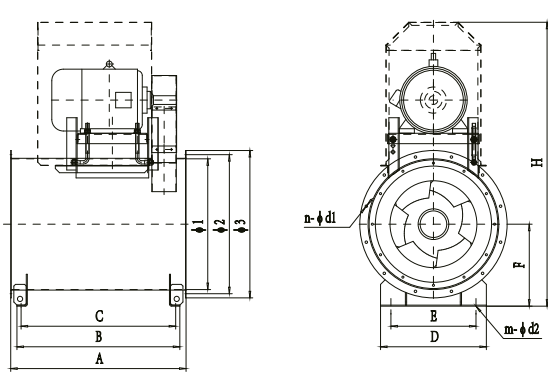
Dimension and weight

YFIMF-400~500
YFIMF-400~500 Belt drive (Base Mount)



Model	Z														
	φ1(内)	φ2	φ3	A	B	C	D	E	F	H(max)	n	φd1	m	φd2	(kg)
YFIMF-400	450	494	530	640	624	580	494	404	309	1051	8	12	4	18	66
YFIMF-450	510	554	590	715	699	655	538	448	331	1117	8	12	4	18	77
YFIMF-500	560	604	640	755	739	695	574	484	349	1212	8	12	4	18	94

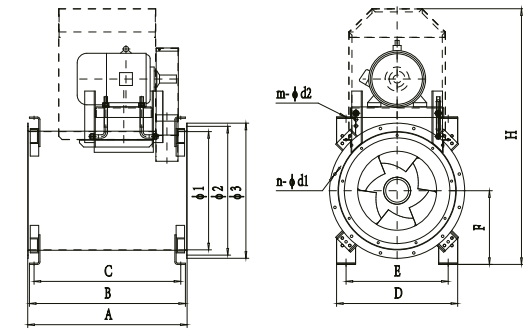
YFIMF-560~1250
YFIMF-560~1250 Belt drive (Base Mount)



Model															
	φ1(内)	φ2	φ3	A	B	C	D	E	F	H(max)	n	φd1	m	φd2	(kg)
YFIMF-560	630	674	710	845	785	745	550	450	395	1379	12	12	4	18	127
YFIMF-630	712	754	792	940	880	840	620	520	435	1442	12	12	4	18	169
YFIMF-710	809	854	889	990	940	890	700	600	485	1565	12	12	4	18	193
YFIMF-800	910	954	990	1110	1020	970	790	690	535	1683	16	14	4	18	234
YFIMF-900	1017	1059	1097	1255	1165	1115	890	790	590	1803	16	14	4	18	299
YFIMF-1000	1130	1182	1230	1300	1180	1130	990	870	655	1986	16	14	6	18	386
YFIMF-1120	1270	1322	1370	1450	1330	1280	1110	990	725	2216	20	14	6	18	499
YFIMF-1250	1421	1472	1521	1630	1510	1460	1240	1120	800	2432	20	14	6	18	627

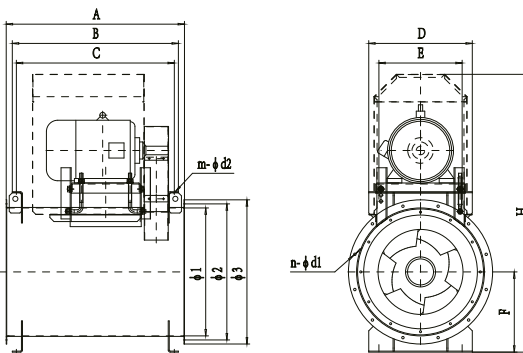
Note: 1. Dimension date is for reference only,subject to drawings confirmation with factory technical confirmation.
2. The fan weight in the above table does not include that of motor.

YFIMF-400~500 Belt drive (Ceiling Hung)



Model															
	φ1(内)	φ2	φ3	A	B	C	D	E	F	H(max)	n	φd1	m	φd2	(kg)
YFIMF-400	450	494	530	640	624	580	494	404	309	1051	8	12	4	12	72
YFIMF-450	510	554	590	715	699	655	538	448	331	1117	8	12	4	12	83
YFIMF-500	560	604	640	755	739	695	574	484	349	1212	8	12	4	12	99

YFIMF-560~1250 Belt drive (Ceiling Hung)



Model															
	φ1(内)	φ2	φ3	A	B	C	D	E	F	H(max)	n	φd1	m	φd2	(kg)
YFIMF-560	630	674	710	878	818	778	550	450	395	1379	12	12	4	12	135
YFIMF-630	712	754	792	975	915	875	620	520	435	1442	12	12	4	12	182
YFIMF-710	809	854	889	1023	973	923	700	600	485	1565	12	12	4	12	206
YFIMF-800	910	954	990	1165	1075	1025	790	690	535	1683	16	14	4	12	258
YFIMF-900	1017	1059	1097	1308	1218	1168	890	790	590	1803	16	14	4	12	320
YFIMF-1000	1130	1182	1230	1330	1298	1248	990	870	655	1986	16	14	6	12	408
YFIMF-1120	1270	1322	1370	1480	1442	1392	1110	990	725	2216	20	14	6	12	516
YFIMF-1250	1421	1472	1521	1660	1618	1568	1240	1120	800	2432	20	14	6	12	643

Note: 1. Dimension date is for reference only,subject to drawings confirmation with factory technical confirmation.
2. The fan weight in the above table does not include that of motor.

>> 技术规范

YFIMF Technical Specifications (Belt-Drive Type)

Fan Type

The fan shall be fully mixed-flow fan equipped with fully mixed-flow wheel, The drive type shall be belt drive. The mixed-flowed impellers shall be made of steel and must have front discs and dome-shaped hubs, and blades with 3D curved surface shall be adopted. Besides, after equilibrium calibration, the impellers shall conform to the Balance Quality Grade G2.5 as per AMCA 204 standard.

Quality Standards

Fan performance shall be tested in accordance with the International Air Movement and Control Association (AMCA) No. 210 and 300 standards. AMCA seal for sound, air performance and FEG shall be tagged on each fan before leaving the factory.The manufacturer shall pass the ISO9001, ISO14001 and ISO45001 system certifications issued by SGS.

Fan Structure

The fan shall be equipped with streamlined inlet Venturi tube, with straightening vanes mounted within the cylinder to reduce turbulent flow and improve efficiency.
Fan cynlinder: double-layer structure shall be adopted for the fan cylinder, i.e., straightening inner cylinder and straightening vanes shall be configured, and the straightening inner cylinder shall be connected with the inner wall of the outer cylinder thorough the straightening blade, which can both secure the straightening cylinder and improve the aerodynamic performance of the fan and the efficiency of static pressure; smoother air flow is required; and the blades of the straightening vanes shall be of 3D curved surface in compliance with flow field characteristics.
Access door: The fan shall be equipped with screw-type access door at the blade side for cleaning the impeller.

Fan Materials

The cylinder and impeller of the fan shall be continuously welded and made of quality carbon steel no less than 2mm thick to ensure the long-term safe and reliable use of the fan.

Coating

Fan surface shall be polished and cleaned up to remove particulates, welding slag, burrs, sharp edge, iron, oil, then epoxy coating [options: colour changes are available], fan surface shall be free of sags, wrinkle, blisters, exposed metal or peeling after coating. It shall be no corrosion and rust at least 10 years in allowable working condition.

Driving Type

The fan driving type shall be belt drive. The shaft shall be made of 40Cr and hot-treated with homogeneous furnace to ensure that the hardness grade reaches HB286 and the yield limit reaches 550MPa, and anti-corrosion hardening treatment shall be conducted on the surface, and whole dynamic balancing shall be conducted on such surface together with the impeller. The designed operation speed shall at least exceed 25% of the maximum operation speed of the fan.

Belt pulley: the belt pulley shall have specifications as per 150% of the drive power, be made of cast iron, and be fixed with taper lock bush to facilitate dismantlement.

Belt: the belt shall be resistant from oil, heat and electrostatic discharge.

Bearing: independent metal bearing shall be used for supporting the fan shaft to prevent vibration from directly applying onto the motor. The bearing shall be sealed-for-life, self-lubricating ball bearing of pillow block type and metal material. At the maximum rotation speed as indicated in the catalogue, the bearing life shall be no less than (L-10) 80000 hours. And international famous brands shall be selected, such as FYH, and SKF, etc.

Extension lubricating oil tube for bearing: the extended lubricating oil tube is used outside the machine for conveniently filling grease to the bearing without dismantling the fan. And the material of the oil tube shall be copper.

Support: the driving device shall be supported with powder-coated anti-corrosion steel plate, the belt shall be adjustable, and the design of the motor base shall ensure the parallelism of the fan shaft and the motor shaft.

Belt guard: semi-sealed belt guard shall be set to avoid personal injuries.

Motor: The motor shall match with the fan load, and B3 installation structure shall be adopted. The protection grade of the motor shall be IP54, while insulation class F and temperature rise B. The motor bearing shall be self-lubricating ball bearing. The power reserve coefficient of the motor shall be per 110% so as to improve the safety in using the motor; and TEFC, 2-SPD, EXP, VFD, 60Hz and other correct motor types must be selected according to the specific working conditions. And epoxy spray rain cover shall be provided for motors to be installed outdoors.

Options

Extension support: extension support accessories shall be provided for the users to select and meeting the requirements of field installation;

Other accessories: relevant accessories shall be provided according to the specific requirements for each set of equipment, such as air volume control damper, gravity-held air back draft damper , fireproof regulating damper, fire damper, vibration isolators, protection net for inlet and outlet, and flexible joints for inlet and outlet, etc.

Explosion-proof Structure [Only for explosion-proof type]

Fan shall conform to Spark C explosion-proof structure according to AMCA99 Standard. The inlet shall mount copper ring and the motor shall adopt explosion-proof type. The whole fan should own CNEX certification.

Fire Fighting Certification [Only for smoke removal duty]

The fan shall be tested OK in complying with the General Usage Axial Fan technical Specification (China National Standard JB/T 10562-2006). A test report issued by licensed authorities shall be provided. The fan must be tested according to China National Standard XF 211-2009, Fire Fighting Smoke Removal Fan High Temperature Testing Method, running continuously over 30 minutes when the main duct air temperature is 280 degrees centigrade. The high temperature resistance character must be qualified by presenting an official certificate.

Nameplate

Permanently fixed aluminum nameplate shall be fixed on fan body clearly display fan mark, product model and serial number (i.e.: unique ID for each fan), so that the customer can use this number to find out the parts used.

Acceptable Manufacturers

Qualified suppliers shall have an AAA credit rating. Providing INFINAIR or similar products, with their design based on YFIMF models of INFINAIR.