



WINFAN (M) SDN. BHD.

(1063911-K)





About the company

- WinFan Malaysia was established in Oct, 2013 to promote WinFan Technology (Taiwan) products in Malaysia.
- Corrosion Resistant FRP fans from WinFan Taiwan is certified by AMCA (Air Movement and Control Association International. Inc.)
- We offer centrifugal fan servicing such as Fan Balancing, Bearing and Pulley Replacement, Impeller Cleaning etc.
- We promote air treatment related products and spares such as scrubber PP packing, PP spray nozzles, scrubber PP grating, FRP grating, Differential Pressure gauge, Thermometer, PP diaphragm pressure gauge, PP Float valves etc
- We also marketing locally produced FRP Pultrusion products.
- We are agent for HORIMEM UF Module in this region.



WINFAN TECHNOLOGY CO., LTD.

AMCA 品質認證



專業 FRP 風機設備
設計, 規劃, 製造, 服務



WINFAN Corrosion Resistant FRP FAN



WINFAN FRP Fans Advantages

- AMCA Certified rating – stable air performance.
- Cost efficiency – use WINFAN FRP Fan reduce production cost.
- Free wooden crate packing- most of the other suppliers don't offer free wooden crate packing.
- Fast delivery – we deliver shipments in two weeks.
- Free test report –we provide free test report for each FRP Fan . Test items include performance curve, vibration, noise and bearing temperature.
- Every FRP fan is tested before delivery.
- Quick service parts replacement-sufficiency service parts are kept in local distributors.

Product Features

- All fiberglass components are made in accordance with ASTM D4167 specifications (American Society for Testing Materials).
- Ratings shown are based on tests made in accordance with AMCA Publication 211.
- The back-pulling design makes WINFAN FRP Fan easy to install and maintain.

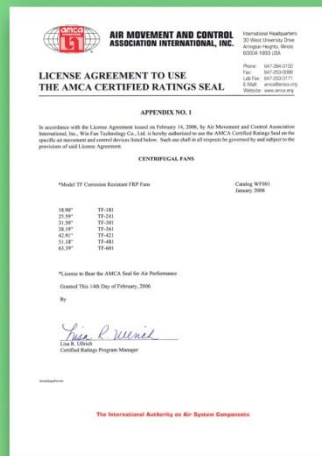
Applications

- Semiconductor manufacturing
- TFT- LCD manufacturing
- Petrol chemical manufacturing
- Circuit board manufacturing
- Chemical manufacturing & processing
- Metal plating & finishing
- Power plants
- Waste treatment facilities

Design Features

- Static Pressure to 325mmAq / 12.8" W.G.
- Capacities to 2200CMM / 77500CFM
- Temperatures to 80°C/ 176°F

FanCertificates



Win-Fan Quality Assurance Plan

A. Product quality assurance process

1. Provide specification check-list according to customers requirement

2. Provide technical document for examination:

2.1 Fan performance chart

2.2 Fan material list and dimension diagram

2.3 Fan shaft horse power calculation

2.4 Fan bearing life calculation

3. Fan inspection and standard conformation

3.1 Performance: AMCA 210-99

3.2 Vibration : ISO 1940-1, ISO 10816-1

3.3 Noise : AMCA 301-90, AMCA 300-96

4. Factory inspection

4.1 Test each event of fan's function according to the check-list and provide the report

4.2 Provide Measurement Machines and Tools Calibration Records

B. Delivery and after-sales service

- Fan erection, transportation, installation and testing assistance
- Provide operation and maintenance service
- Provide on-site inspection and testing

Advantages of WinFan fans:

Description	WinFan	Europe/American Fan
(1) Fan Appearance	Fan Cover are make from UV resistance smooth surface FRP resin, not easy to stick dust or foreign matter.	Fan Cover are make from exposed FRP material, easy to stick dust or foreign matter.
(2) Fan characteristic	1. Oil bath type bearing design-low wearout, long life, easy maintainance.	1. UKP type bearing design-high wearout, need to add lubricant frequently.
	2. Circular flow cover - matching air flow character	2. Flat long flow cover - affect air flow
	3. Fan material is Viny Ester anti-corrosion resin.	3. Fan material is FRP anti-corrosion resin.
	4. Fan base is U-beam design, good strength for long performance and life time.	4. Fan base is angle beam design, poor rigidity and will affect performance and life time
(3) Fan Performance	According AMCA210-99 Standard, performance quality test before shipping and provided test report.	Dealer only provide fan selection performance data.
(4) Fan Vibration	Rotor dynamic balancing G2.5 grade (Std. ISO 1940)	Rotor dynamic balancing G6.3 grade (Std. ISO 1940)
	Unit set vibration G4.5 below or G2.8 below (Std. ISO 10816)	Unit set vibration G6.3 (Std. ISO 10816)
(5) Technical Skills	In house R & D, provide pre-planning and after sales/technical services.	Dealer only provide technical specification data.
(6) After Sales Service	Completed after sales service system and arrange regular fan checking service.	Dealer only provide consulting services

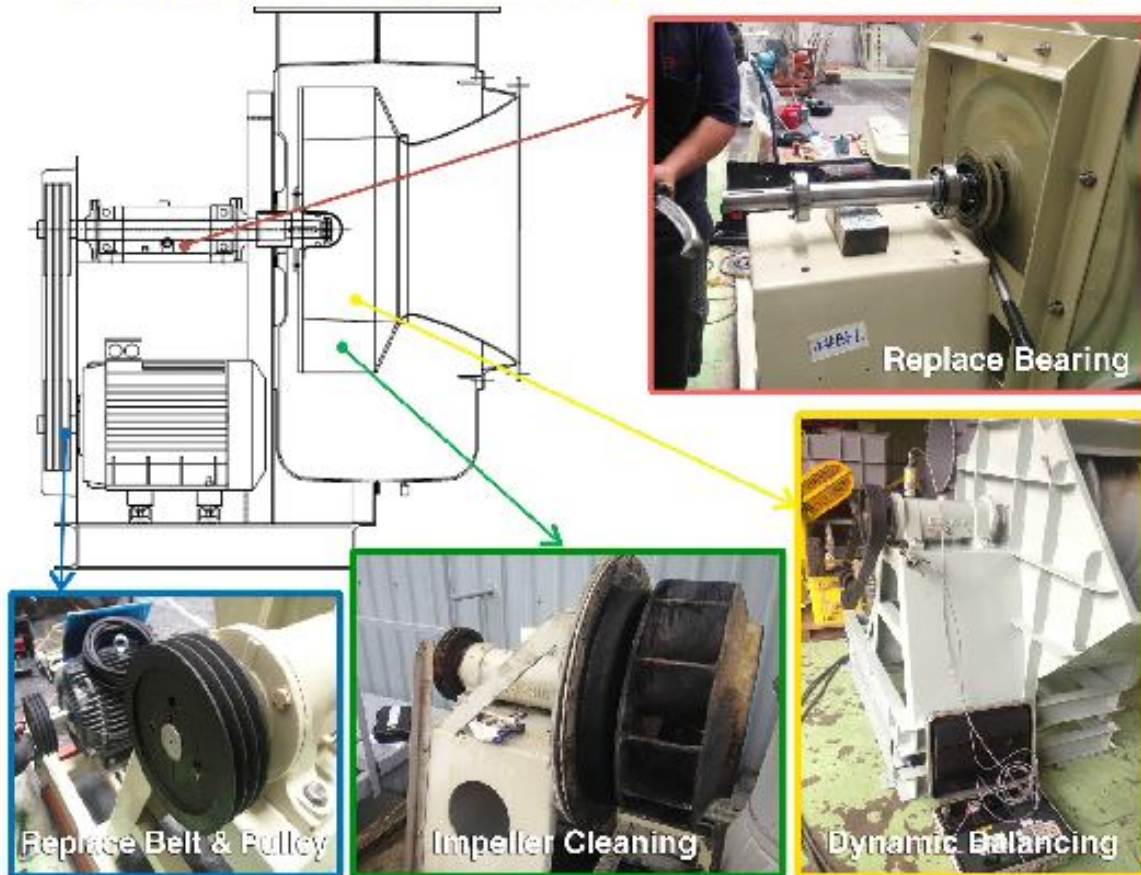
WinFan Malaysia scrubber fan proposal will consist of :

- Proposal that detail on material used in it construction.
- Fan efficiency/performance curve
- We will provide electricity calculation if requested by customers
- Our standard warranty is 12 months after delivery



WinFan (M) Sdn. Bhd.
CORROSION RESISTANT FRP FAN

CENTRIFUGAL FANS SERVICING



WinFan Malaysia is pleased to provide the following fans servicing scopes to the industry:

- Fan Balancing
- Impeller Cleaning
- Bearing Replacement
- Belt and Pulley Replacement
- Others related services upon discussion

Servicing Equipments Available:

- Balancing Machine
- Vibration Tester
- Bearing Heater
- Bearing Hydraulic Puller
- Belt Tension Tester
- Air Flow Anemometer
- Sound Level Meter
- High Pressure Cleaner

MALAYSIA Exclusive Distributor:

WinFan (M) Sdn. Bhd.
(1063911-K)

TEL: +604-5021335 / FAX: +604-5023991

EMAIL: winfaneng@gmail.com

ADDRESS: No.3383 MK 14, Bukit Minyak, 14000 Bkt. Mertajam, Penang, MALAYSIA

<http://winfan.my>

Sample of quotation and performance curve.

- Sample Fan Quote

	WINFAN FRP Centrifugal Fan	
1	Fan Type: HF-241 Belt Drive	Set
	Capacity: 4000 cfm	
	Static Pressure: 16 in wg	
	Fan Speed : 2387 rpm	
	Casing material : FRP (Vinyl Ester + UV Resin)	
	Impeller material : FRP (Vinyl Ester Resin)	
	Shaft material : S45C	
	Fan Support Frame Material:SS41+EPOXY+PAINT	
	Bearing combination : OIL Bearing seat (NSK)	
	Impeller Balance : ISO1940-Standard G2.5mm/s Rank	
	Mechanical Vibration : ISO2372-Standard 4.5mm/s Rank	
	Sound Level: < 85dB at 1.5M	
	Motor Power: 4P-15kW/3-phase/415V/50Hz	
	Motor Brand : TECO High Efficiency Type (Eff class 1 @ IE 2)	
Optional Spring isolator and spring base	Set	
	Ocean freight: Penang/Klang/Pasir Gudang Port	Lot
	CIF Price	
	Import Duty - 20% of Fan CIF Price	Lot
	Local clearance excluded import duty	Lot

WINFAN TECHNOLOGY co., LTD.

Description

Performance Curve

2013/11/18

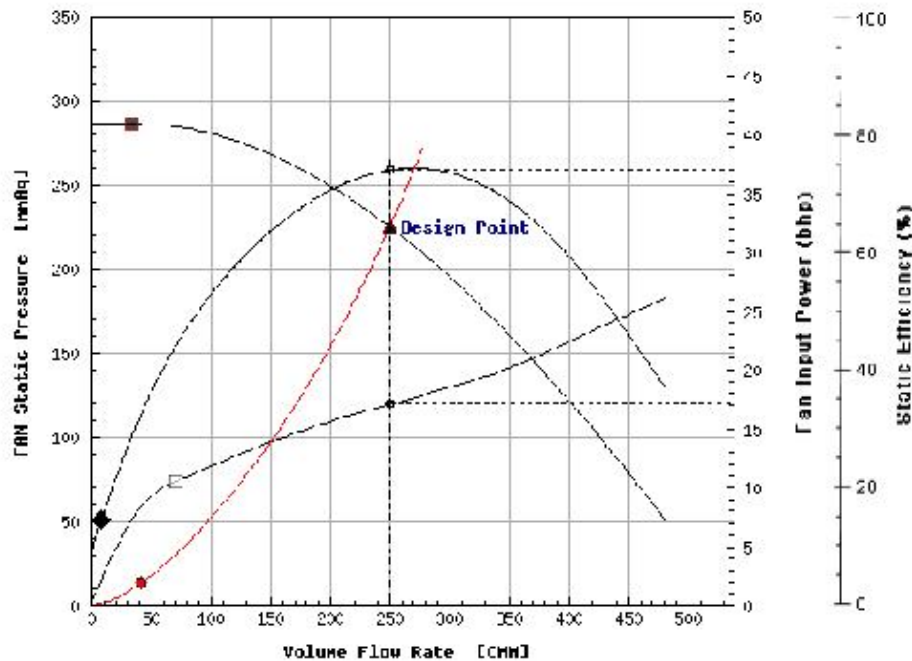
Job Description:	250CMMX225mmAq	頂裕科技股份有限公司
Performance:	Q=250 cmm SP=225 mmaq	Tel: 03-2120031
Fan Model:	TF-241-01	Fax: 03-2120032
Fan Type:	FRP CENTRIFUGAL FAN	Http://www.winfan.com.tw
Fan Size:	24	E-mail: frpfan@seed.net.tw

Performance

Values are in accordance with AMCA Standard 210-99

Volume Flow Rate (CMM)	250 cmm	Motor		
Static Pressure (mmAq)20°C	225 mmaq			
Temperature(°C)	20 °C	Power	25	HP
Total Efficiency (%)	75.8 %	Voltage	415	V
Total Brake Horsepower (BHP)	17.08 bhp	Motor speed	1455	rpm
FAN Speed (RPM)	1963 rpm	Frequency	50	Hz
Max FAN Speed (RPM)	2200 rpm	Frame size IEC	180MC	
Outlet Velocity (MS)	14.8 MS			

▲ -Design Point ● -System Curve ◆ -SE vs vol ■ -SP vs vol □ -power vs vol



Winfan fan job referance since 2013

WinFan FRP fan installation sold by WinFan Malaysia since Oct, 2013

Item	Model /motor HP	Quantity	Capacity	Customer	Area
1	TF-241B/25HP	1	10000 cfm/8.5" wg	KIJ/Pratt & Whitney Services	Singapore
2	TF-241B/20HP	1	9000 cfm/8" wg	Alloyplas/Qdos	Penang
3	TF-181B/7.5HP	2	5000 cmh/200mmAq	KIJ/First Solar	Kedah
4	TF-181B/15HP	2	5000 cfm/8' wg	Alloyplas/Aruman	Penang
5	TF-301B/30kW	2	24000 cmh/2000Pa	Master Jaya Environmental	Selangor
6	TF-151B/7.5HP	1	3500 cfm/6" wg	Alloyplas	KL
7	TF-301B/37kw	1	20000 cfm/9" wg	KIJ/Pratt & Whitney Services	Singapore
8	TF-301B/37kw	2	600 cmm/200mmAq	Glory Enviromental	Bangkok
9	TF-121B/2.2kw	2	1000 cfm/7" wg	KIJ/ First Solar	Kedah
10	TF-361B/45kw	1	20000 cfm /10" wg	Kubota Kasui Malaysia	Sarawak







Scrubbers parts

- We are selling scrubbers parts such as scrubber PP packing, PP spray nozzles and scrubber PP grating.
- We also supply Differential Pressure Gauge, Thermometer, PVC mesh demister, PP pressure gauge, PP bolt and nuts, PP float valves etc
- We have readied stocks on certain fast moving model
- We are delightful to source for specific customers requirement from oversea.



WinFan (M) Sdn. Bhd.

<p>4" Ball Type, PP Size: OD96mm Packing Volume 1550pcs/m³</p>	<p>3" K2 Loop Type, PP Size: OD80mm*H30mm Packing Volume 6800pcs/m³</p>	<p>2" R1 Loop type, PP Size: OD51mm*H19mm Packing Volume 24000pcs/m³</p>	<p>2" K1 Loop Type, PP Size: OD46mm*H19mm Packing Volume 35000pcs/m³</p>
<p>2" Ball Type, PP OD:53mm Packing Volume 11000pcs/m³</p>	<p>2" Crown Type, PP Size: OD56mm*H44mm Packing Volume 7500pcs/m³</p>	<p>3/4" PP Test Port Size: OD32mm *ID19mm * H54mm</p>	<p>3/8" PP Bolt & Nut</p>

For enquiry, please call : AL Ooi at +6012 4258130 or email: winfansales@gmail.com

<p>3/4", 1/2", 3/8" PP Spray Nozzle Spray Angle 120° 3/4" Size: OD26mm * H88mm 1/2" Size: OD21mm * H63.5mm 3/8" Size: OD16.5mm * H62.5mm</p>	<p>PP Grating Size: 450mm*450mm*25mm</p>	<p>1/2"PP Float Valve Size: L350mm</p>
<p>Safe Gauge J-5000-J5250 series Differential Pressure Gauges</p>	<p>Liquid Filled /Contactor Attached PP Diaphragm Pressure Gauge</p>	<p>Φ 4" Bi-Metal Dial Thermometers BL(T) type 0~100° C, Mat'l: SUS 316/304</p>



FRP Pultrusion products

- We represent a local pultrusion company in marketing their products.
- The products is manufactured locally and readied stock for faster delivery.
- We have products such as angle bar, round tube, square and rectangular hollow section, flat bar, solid rod, channel, I beam, fluted rod and tube, pultruded grating etc
- The superior corrosion resistance and light weight attributes combined with ease of installation, superior strength, high dielectric strength, low maintenance made FRP pultrusion products a wise choice as replacement for steel.

Samples installation from pultrusion products



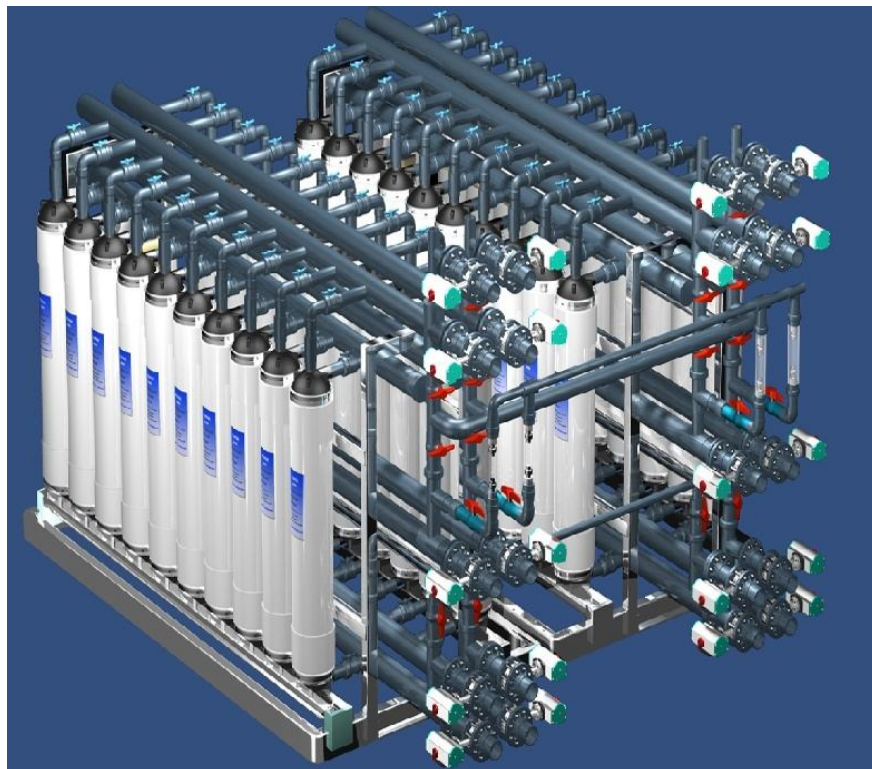
HORIMEM UF Modules

- HORIMEM UF modules is manufacture by Shanghai Horizontal Membrane Technology Co. Ltd
- The Modules materials are modified PAN/PES for better aqua affinity



Applications

- This UF modules is suitable for RO pre-treatment, mineral water filtration, semi-conductor pure water, wastewater reclaim, wine refinery, pharmaceutical grade pure water manufacturing etc.





WINFAN (M) SDN. BHD.

- Contact
- Ah Lean OOI (Mr)
- Mobile: +6012 425 8130
- Tel: +604 502 1335
- Fax : +604 502 3991
- Email: winfansales@gmail.com
- Address: No 3383, MK 14, Bukit Minyak, 14000 Bukit Mertajam, Penang, Malaysia.
- www.winfan.my