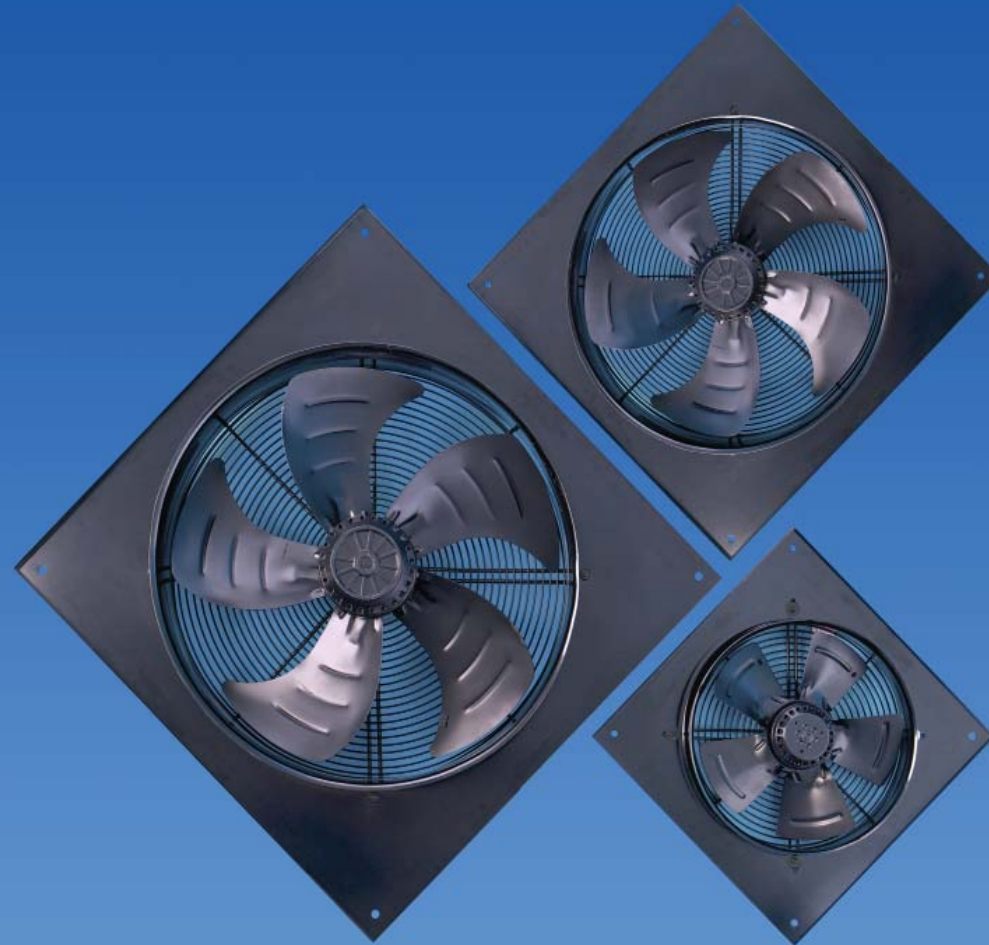


# Remco Products Limited

## Plate Fans



tel: +44(0)1243 528414  
fax: +44(0)1243 532127

e-mail: [sales@remco.co.uk](mailto:sales@remco.co.uk)  
web: [www.remco.co.uk](http://www.remco.co.uk)



# Introduction

This catalogue from Remco provides details of our range of plate fans for the ventilation sector of our HVAC&R industry.

Based on our current successful and popular range of axial fans, the XMFG range, our plate fans will cover sizes from 300mm dia., ( 4 pole 1650 M<sup>3</sup>/Hr single phase) to 710mm dia., ( 8 pole 12600 M<sup>3</sup>/Hr 3 phase.) The following pages outline clearly the dimensions, performance and options available.

Utilising external rotor motors of compact dimensions and with steel fan blades affixed integrally on the motor body, each unit is equipped with a terminal box housing a capacitor and lead terminals. The motors are built with ball bearings and are suitable for operation in all attitudes.

Body protection is to IP44 or IP54 standards.

Winding insulation rating for all units is Class F.

Thermal protection is standard on all models. For single phase models the overload device is wired permanently within the field windings whereas, for three phase models the overload leads are brought out for connection to individual requirements.

Single phase 230 volt and three phase 400 volt models are available as shown on the data pages.

Standard direction of air flow will be “blowing”, ie. Air flow through grille and down the veloutted inlet.

All models may be supplied with reverse air flow upon request – suffix S

Galvanised and powder coated pressed steel plates are used and mounting dimensions match popular industry standards. Veloutted inlets are integral on each size of plate. Basket guards are standard on the motor side of the unit. A range of flat wire guards is available for the discharge side of the unit.

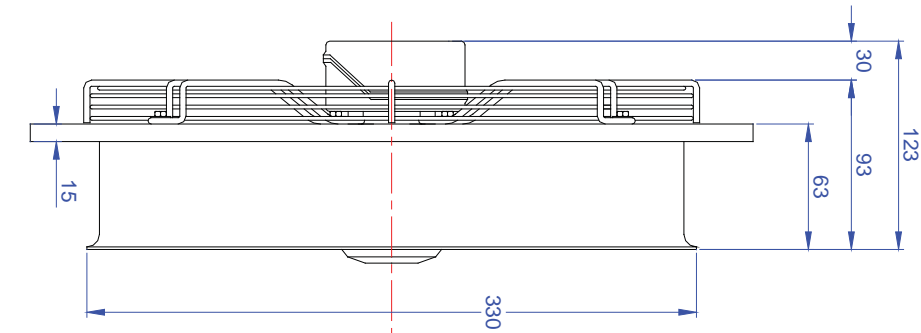
Simple to mount, using just four bolts, the Remco range of plate fan units provide ideal replacements for many fans fitted to original equipment, and will also be favoured by many small manufacturing concerns who may not wish to purchase in large quantities.

Remco Products Limited is the leading supplier in the UK for Replacement Electric Motors, fans and Accessories in the Heating, Ventilating, Air Conditioning and Refrigeration markets. For full details of our motors, fans, capacitors and all accessories please contact our sales office in Chichester or visit our website at [www.remco.co.uk](http://www.remco.co.uk)

# Contents

Ø300mm Plate Fans	-	5
Ø350mm Plate Fans	-	7
Ø400mm Plate Fans	-	9
Ø450mm Plate Fans	-	11
Ø500mm Plate Fans	-	13
Ø560mm Plate Fans	-	15
Ø630mm Plate Fans	-	17
Ø710mm Plate Fans	-	19
Technical Information	-	20
Terms & Conditions	-	22

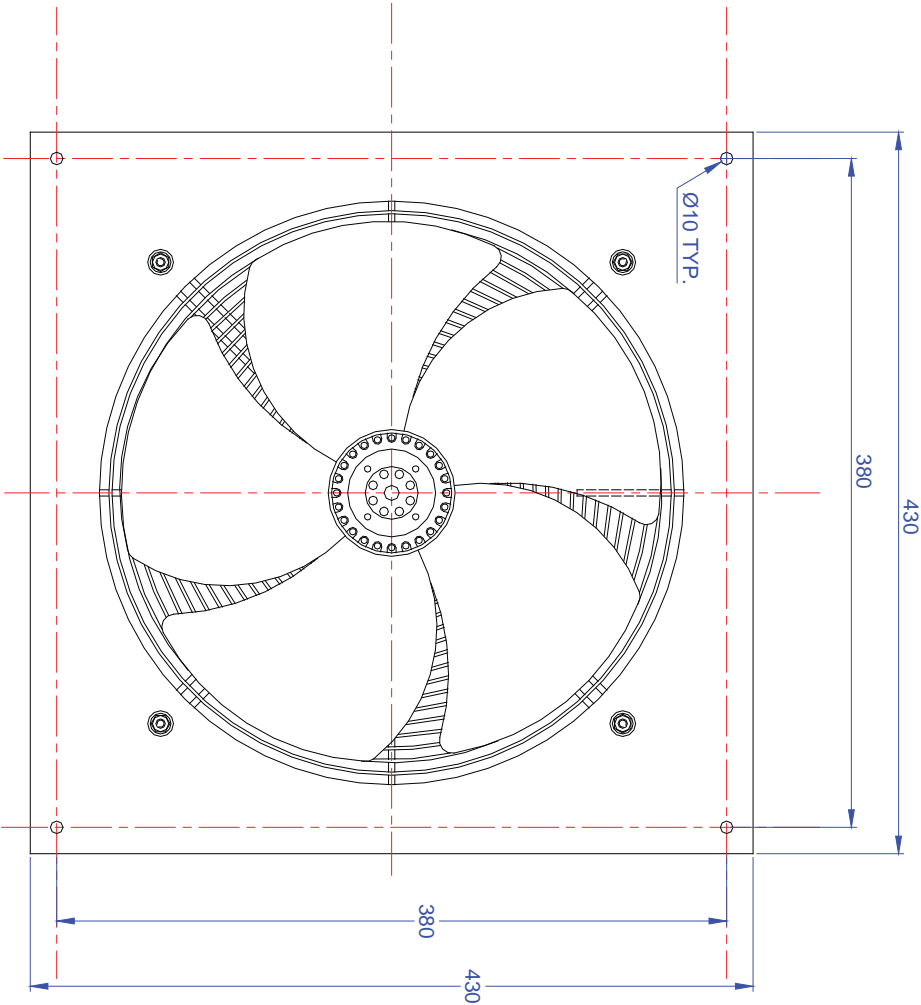
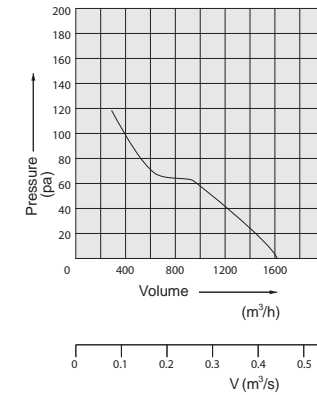




# PLATE FANS - 300mm Diameter Specifications

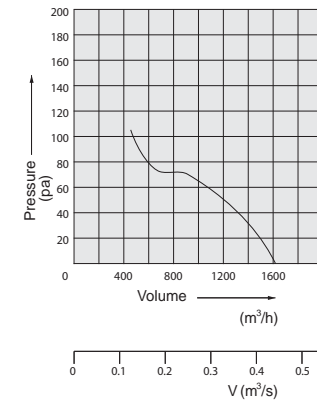
## Single Phase, 4 Pole Plate Fan PF-4-95-300-30B

Supply (V)	230	Air Volume (m <sup>3</sup> /h)	1650
Input (W)	95	Speed (RPM)	1340
Current (A)	0.45	Capacitor Supplied	2uF
Frequency (Hz)	50	Noise (dBA)	62
Air Direction	Blow	Max Amb (°C)	45



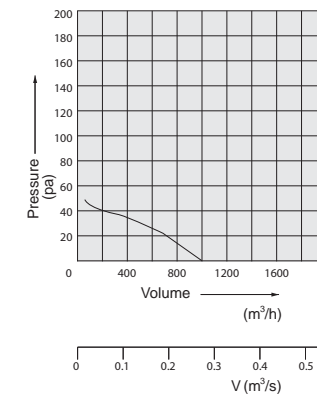
## Three Phase, 4 Pole Plate Fan PF-4-85-300-30B-3P

Supply (V)	400	Air Volume (m <sup>3</sup> /h)	3000
Input (W)	85	Speed (RPM)	1340
Current (A)	0.21	Capacitor Supplied	n/a
Frequency (Hz)	50	Noise (dBA)	62
Air Direction	Blow	Max Amb (°C)	45



## Single Phase, 6 Pole Plate Fan PF-6-30-300-30B

Supply (V)	230	Air Volume (m <sup>3</sup> /h)	920
Input (W)	30	Speed (RPM)	910
Current (A)	0.22	Capacitor Supplied	2uF
Frequency (Hz)	50	Noise (dBA)	48
Air Direction	Blow	Max Amb (°C)	55

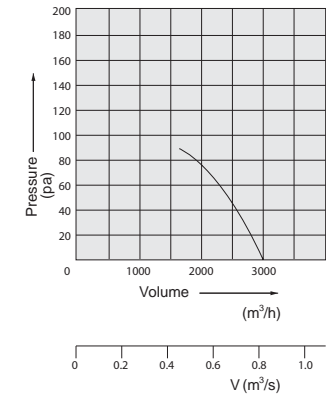




# PLATE FANS - 350mm Diameter Specifications

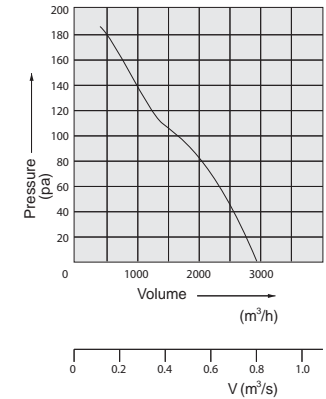
## Single Phase, 4 Pole Plate Fan PF-4-130-350-30B

Supply (V)	230	Air Volume (m <sup>3</sup> /h)	3000
Input (W)	130	Speed (RPM)	1360
Current (A)	0.58	Capacitor Supplied	4uF
Frequency (Hz)	50	Noise (dBA)	62
Air Direction	Blow	Max Amb ( C )	40



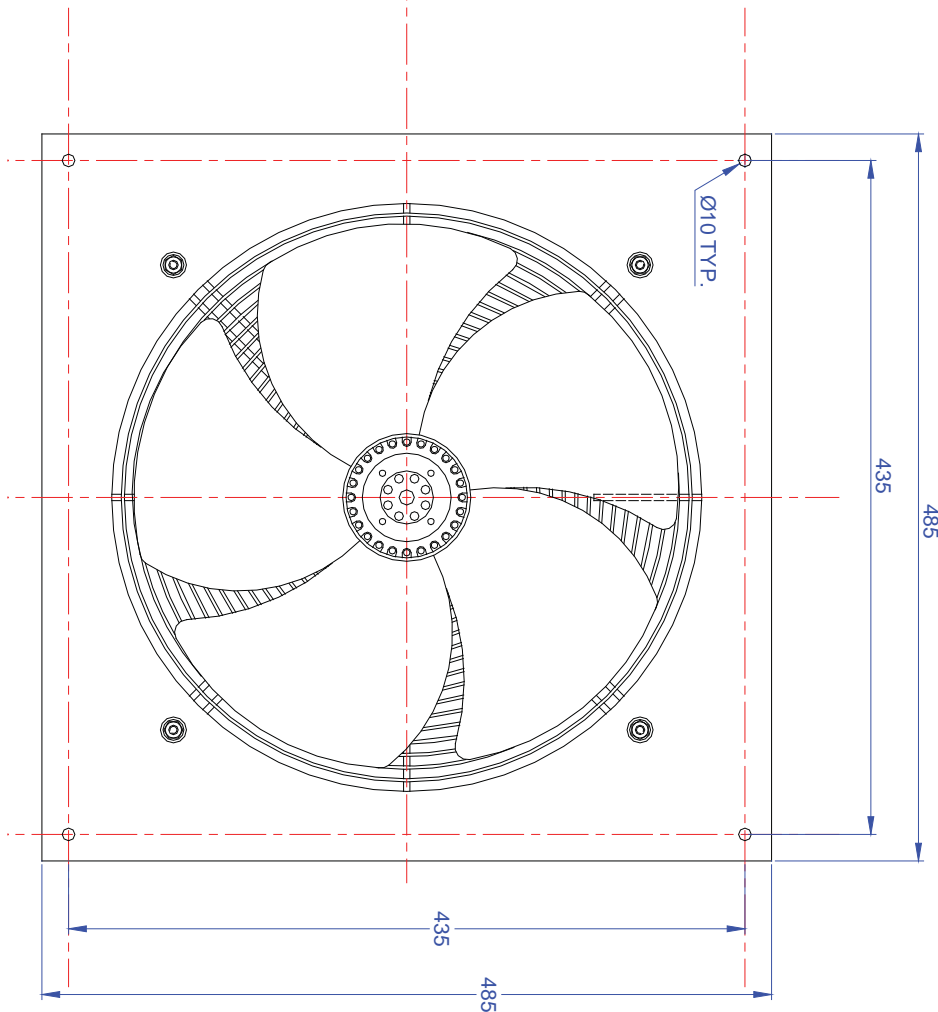
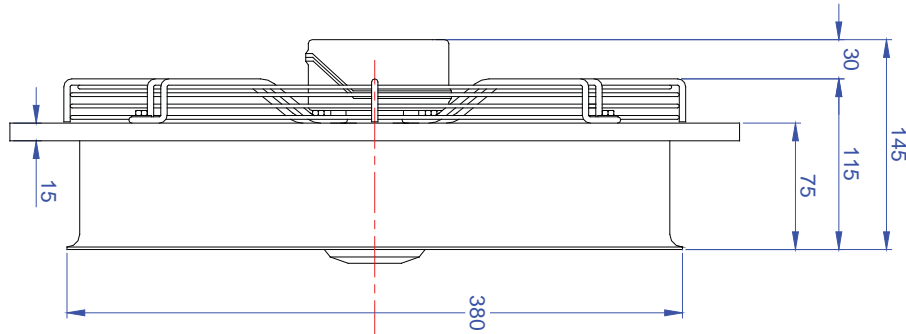
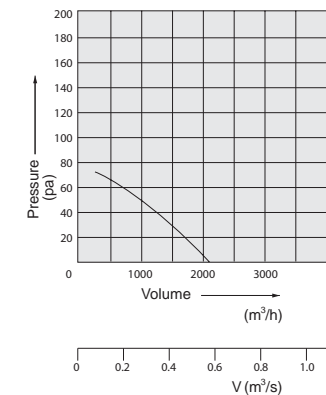
## Three Phase, 4 Pole Plate Fan PF-4-115-350-30B-3P

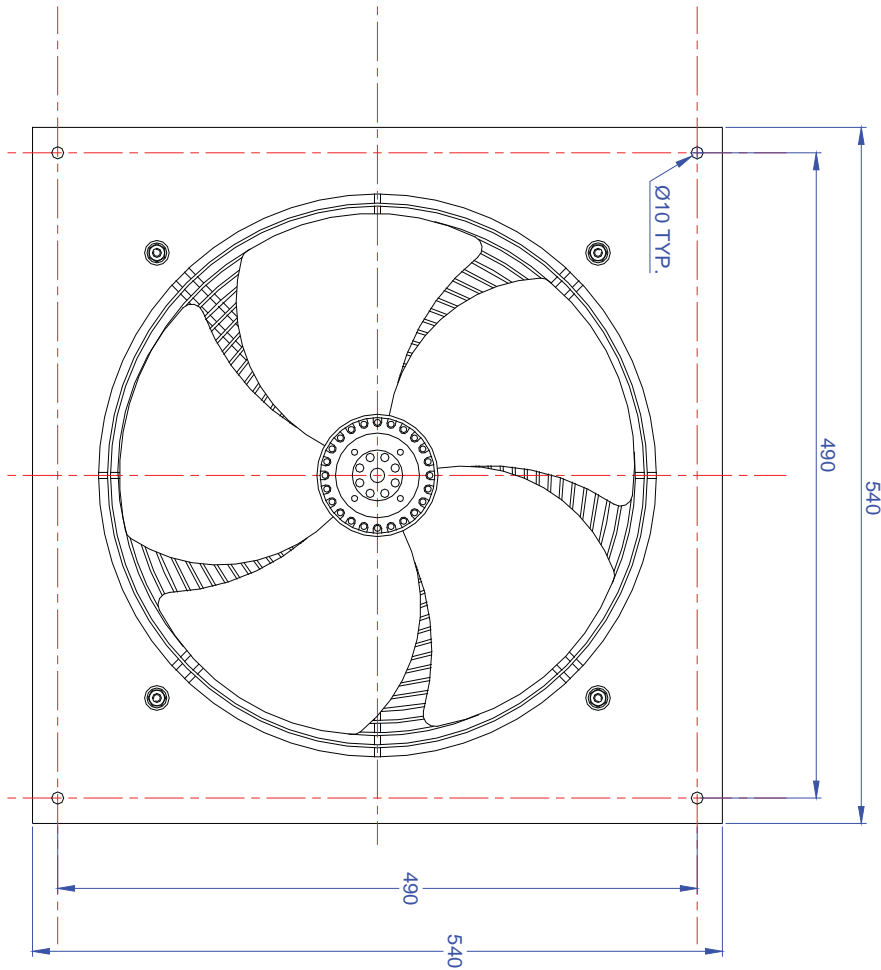
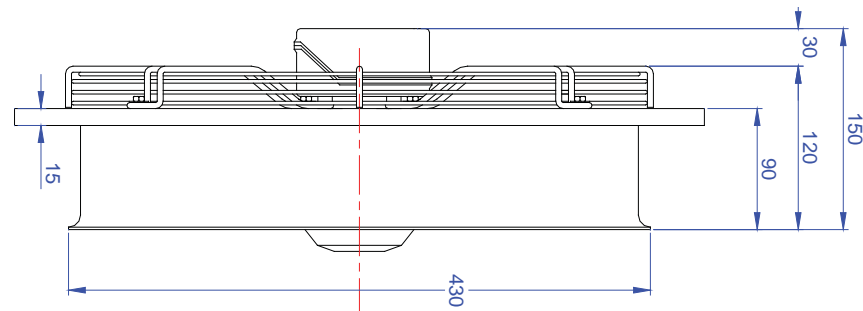
Supply (V)	400	Air Volume (m <sup>3</sup> /h)	2900
Input (W)	115	Speed (RPM)	1335
Current (A)	0.33	Capacitor Supplied	n/a
Frequency (Hz)	50	Noise (dBA)	62
Air Direction	Blow	Max Amb ( C )	40



## Single Phase, 6 Pole Plate Fan PF-6-65-350-30B

Supply (V)	230	Air Volume (m <sup>3</sup> /h)	2100
Input (W)	65	Speed (RPM)	935
Current (A)	0.31	Capacitor Supplied	2uF
Frequency (Hz)	50	Noise (dBA)	53
Air Direction	Blow	Max Amb ( C )	40

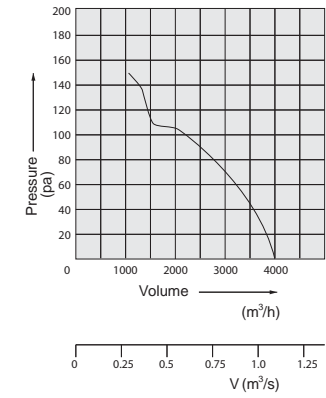




# PLATE FANS - 400mm Diameter Specifications

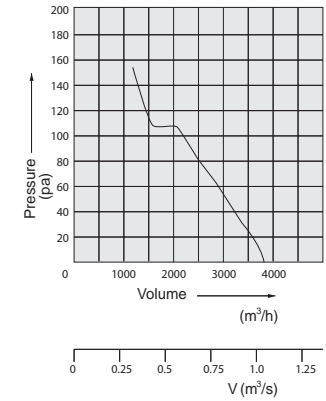
## Single Phase, 4 Pole Plate Fan PF-4-160-400-30B

Supply (V)	230	Air Volume (m <sup>3</sup> /h)	4000
Input (W)	160	Speed (RPM)	1360
Current (A)	0.75	Capacitor Supplied	6uF
Frequency (Hz)	50	Noise (dBA)	68
Air Direction	Blow	Max Amb ( C )	40



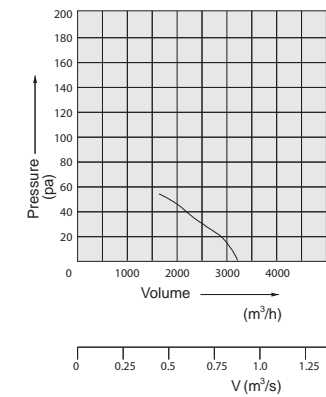
## Three Phase, 4 Pole Plate Fan PF-4-135-400-30B-3P

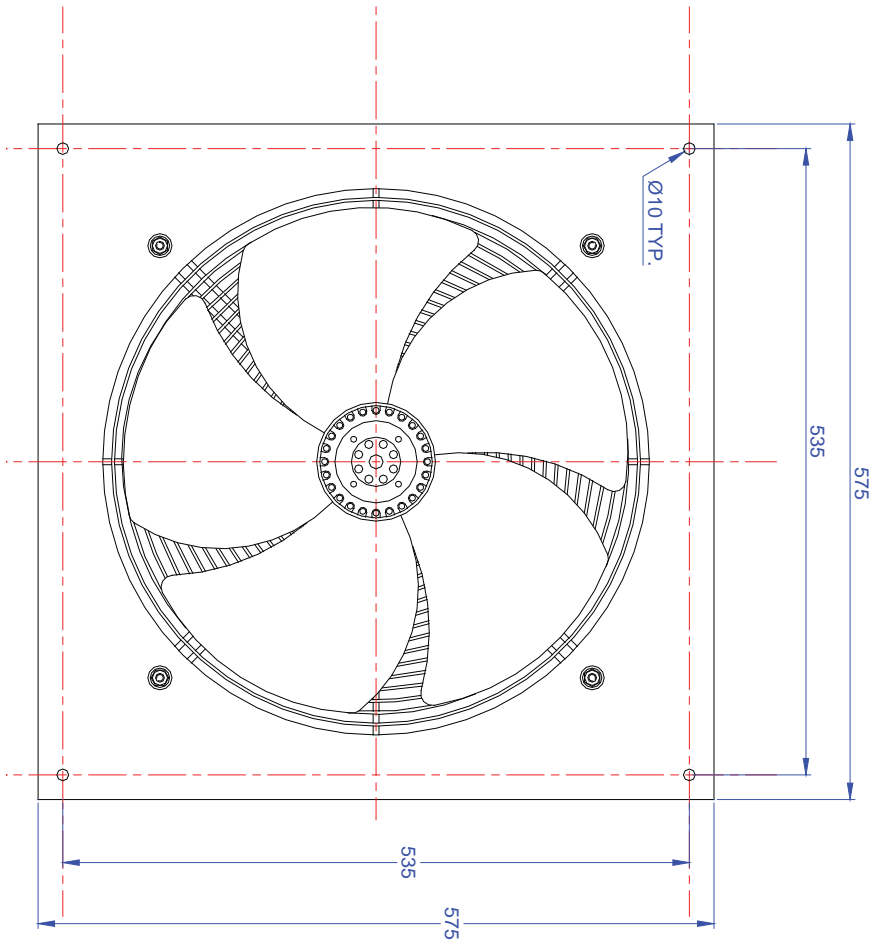
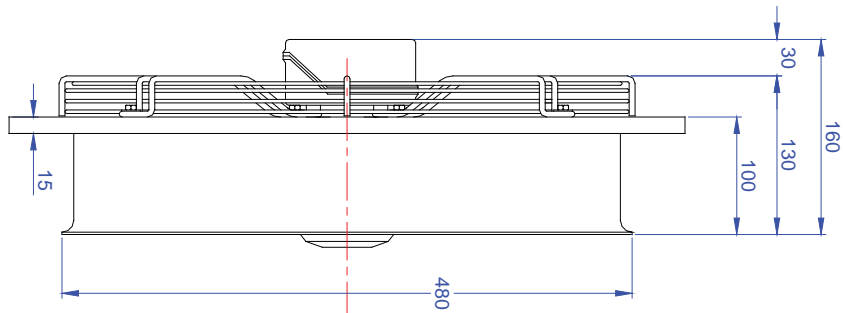
Supply (V)	400	Air Volume (m <sup>3</sup> /h)	3800
Input (W)	135	Speed (RPM)	1335
Current (A)	0.44	Capacitor Supplied	n/a
Frequency (Hz)	50	Noise (dBA)	66
Air Direction	Blow	Max Amb ( C )	40



## Single Phase, 6 Pole Plate Fan PF-6-120-400-30B

Supply (V)	230	Air Volume (m <sup>3</sup> /h)	3200
Input (W)	120	Speed (RPM)	930
Current (A)	0.55	Capacitor Supplied	3uF
Frequency (Hz)	50	Noise (dBA)	58
Air Direction	Blow	Max Amb ( C )	40

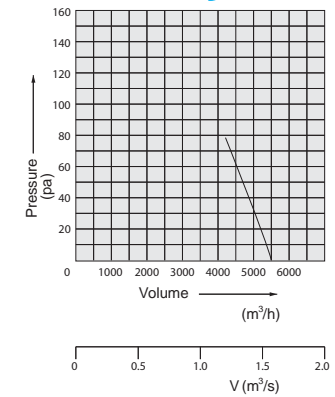




# PLATE FANS - 450mm Diameter Specifications

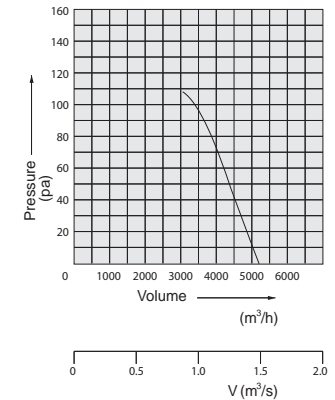
## Single Phase, 4 Pole Plate Fan PF-4-245-450-30B

Supply (V)	230	Air Volume (m <sup>3</sup> /h)	5500
Input (W)	245	Speed (RPM)	1360
Current (A)	1.1	Capacitor Supplied	8uF
Frequency (Hz)	50	Noise (dBA)	72
Air Direction	Blow	Max Amb ( C )	40



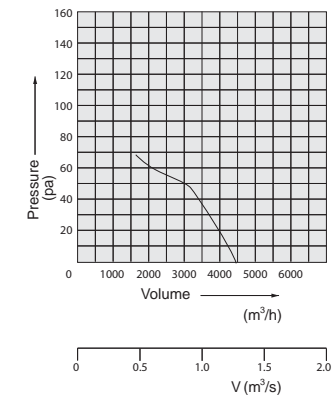
## Three Phase, 4 Pole Plate Fan PF-4-200-450-30B-3P

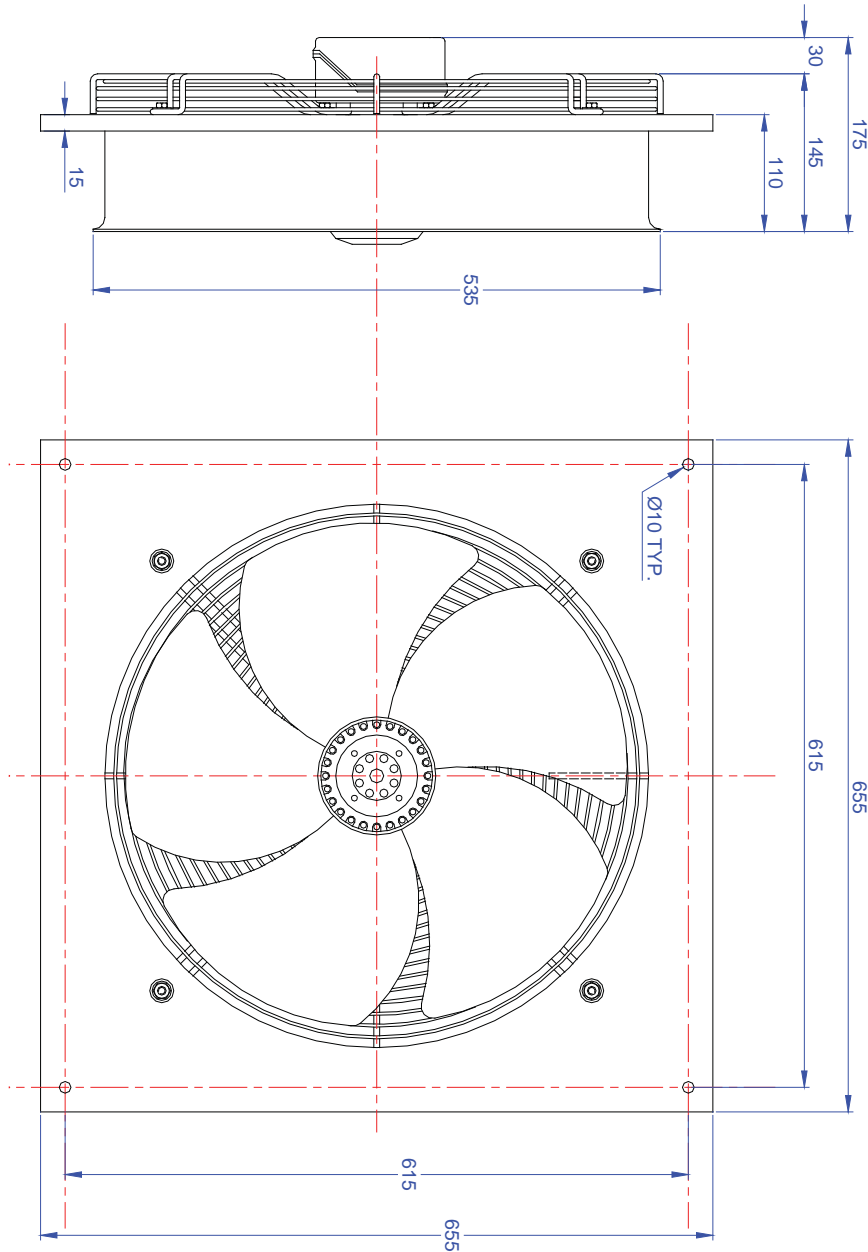
Supply (V)	400	Air Volume (m <sup>3</sup> /h)	5200
Input (W)	200	Speed (RPM)	1335
Current (A)	0.48	Capacitor Supplied	n/a
Frequency (Hz)	50	Noise (dBA)	71
Air Direction	Blow	Max Amb ( C )	45



## Single Phase, 6 Pole Plate Fan PF-6-165-450-30B

Supply (V)	230	Air Volume (m <sup>3</sup> /h)	4500
Input (W)	165	Speed (RPM)	930
Current (A)	0.8	Capacitor Supplied	3uF
Frequency (Hz)	50	Noise (dBA)	60
Air Direction	Blow	Max Amb ( C )	40

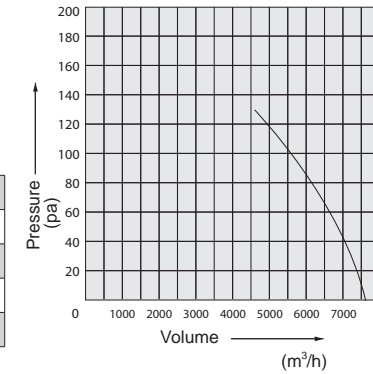




# PLATE FANS - 500mm Diameter Specifications

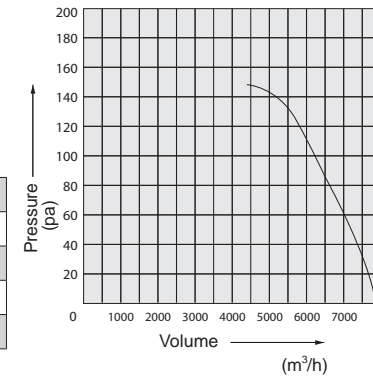
## Single Phase, 4 Pole Plate Fan PF-4-420-500-30B

Supply (V)	230	Air Volume (m <sup>3</sup> /h)	7600
Input (W)	398	Speed (RPM)	1320
Current (A)	1.8	Capacitor Supplied	8uF
Frequency (Hz)	50	Noise (dBA)	76
Air Direction	Blow	Max Amb ( C )	40



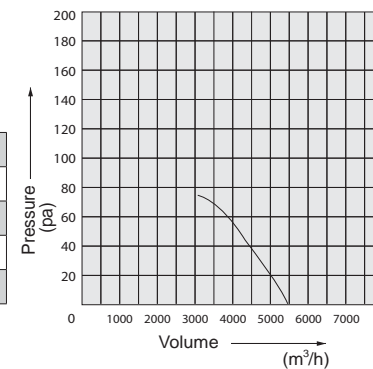
## Three Phase, 4 Pole Plate Fan PF-4-390-500-30B-3P

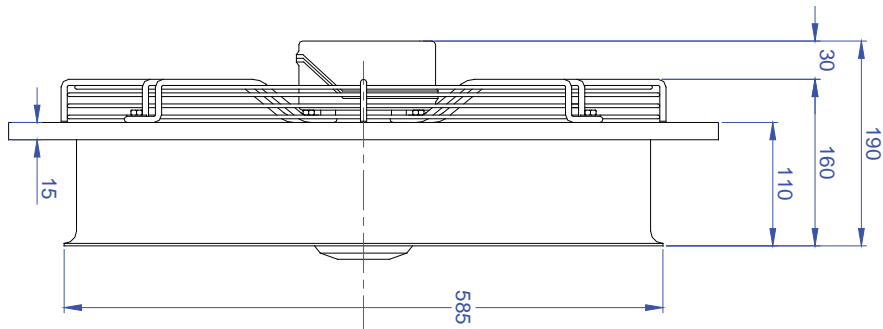
Supply (V)	400	Air Volume (m <sup>3</sup> /h)	7800
Input (W)	380	Speed (RPM)	1330
Current (A)	0.75	Capacitor Supplied	n/a
Frequency (Hz)	50	Noise (dBA)	77
Air Direction	Blow	Max Amb ( C )	40



## Single Phase, 6 Pole Plate Fan PF-6-160-500-30B

Supply (V)	230	Air Volume (m <sup>3</sup> /h)	5500
Input (W)	150	Speed (RPM)	910
Current (A)	0.65	Capacitor Supplied	5uF
Frequency (Hz)	50	Noise (dBA)	66
Air Direction	Blow	Max Amb ( C )	40

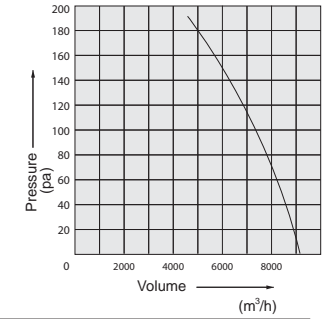




# PLATE FANS - 560mm Diameter Specifications

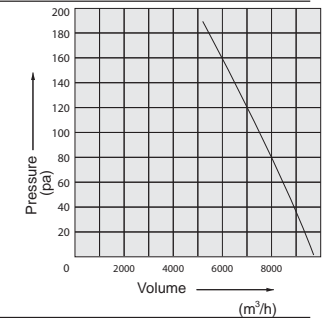
## Single Phase, 4 Pole Plate Fan PF-4-650-560-30B

Supply (V)	230	Air Volume (m <sup>3</sup> /h)	9200
Input (W)	680	Speed (RPM)	1350
Current (A)	3.2	Capacitor Supplied	12uF
Frequency (Hz)	50	Noise (dBA)	76
Air Direction	Blow	Max Amb ( C )	40



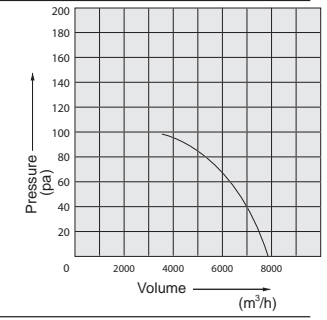
## Three Phase, 4 Pole Plate Fan PF-4-620-560-30B-3P

Supply (V)	400	Air Volume (m <sup>3</sup> /h)	9800
Input (W)	580	Speed (RPM)	1320
Current (A)	1.2	Capacitor Supplied	n/a
Frequency (Hz)	50	Noise (dBA)	78
Air Direction	Blow	Max Amb ( C )	40



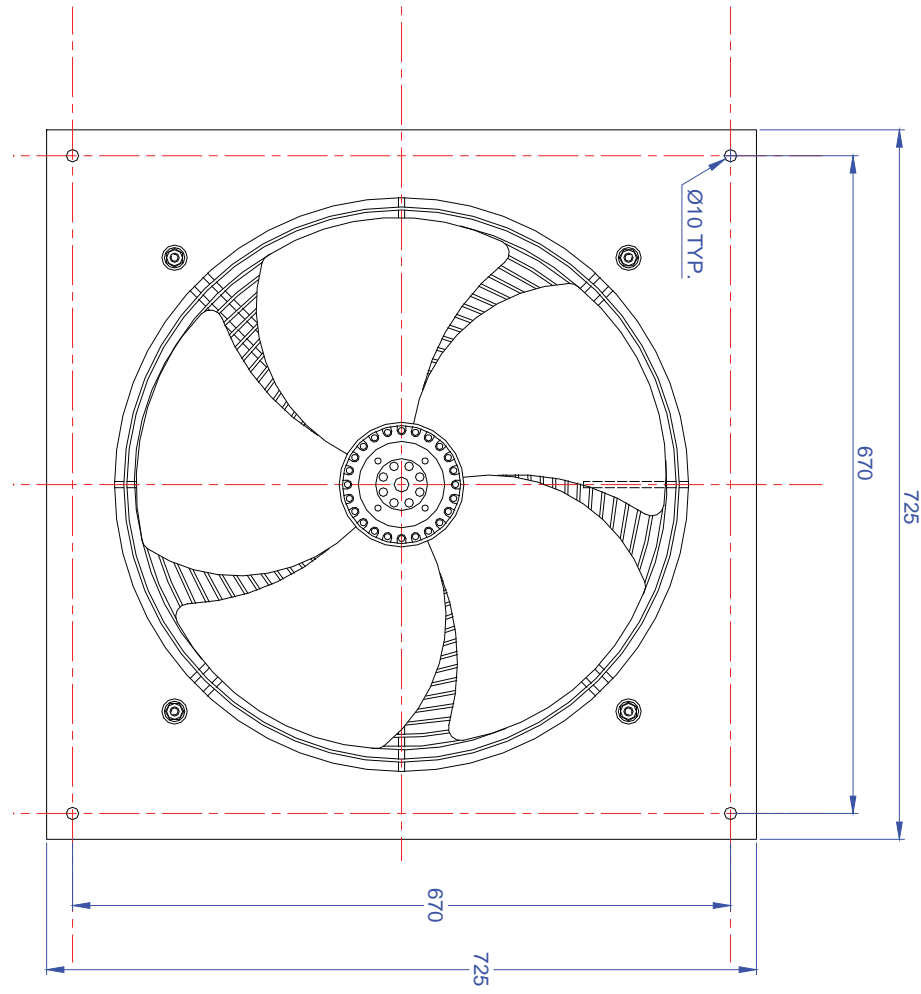
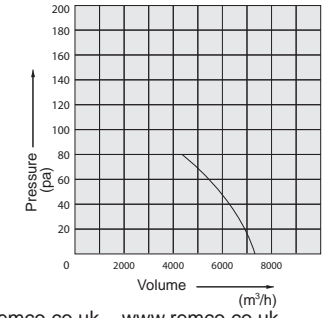
## Single Phase, 6 Pole Plate Fan PF-6-270-560-30B

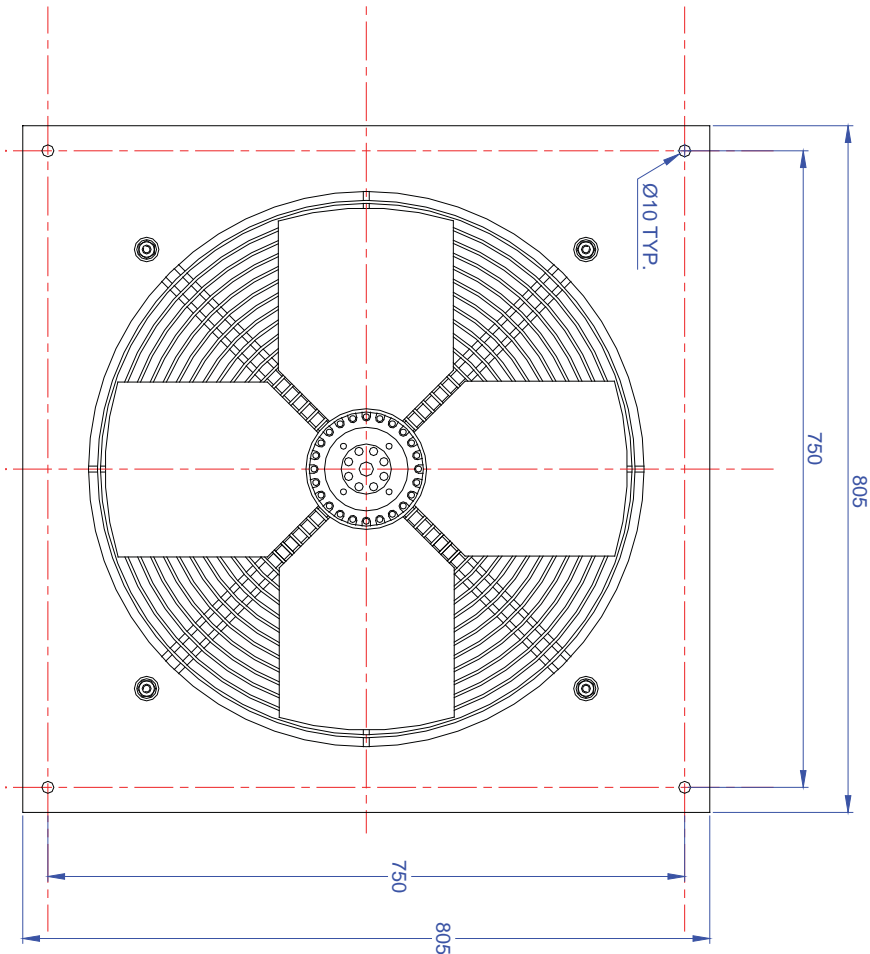
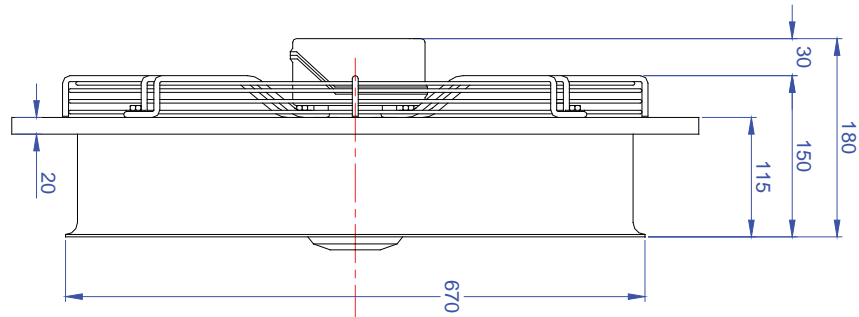
Supply (V)	230	Air Volume (m <sup>3</sup> /h)	7800
Input (W)	210	Speed (RPM)	910
Current (A)	0.95	Capacitor Supplied	8mfd
Frequency (Hz)	50	Noise (dBA)	68
Air Direction	Blow	Max Amb ( C )	40



## Three Phase, 6 Pole Plate Fan PF-6-240-560-30B-3P

Supply (V)	400	Air Volume (m <sup>3</sup> /h)	7500
Input (W)	230	Speed (RPM)	890
Current (A)	0.68	Capacitor Supplied	n/a
Frequency (Hz)	50	Noise (dBA)	69
Air Direction	Blow	Max Amb ( C )	40

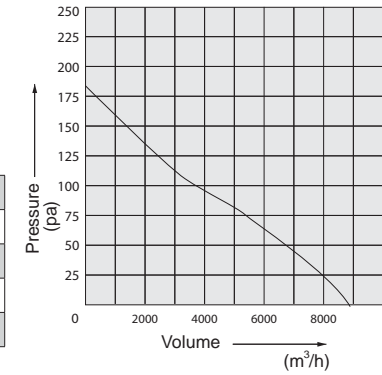




# PLATE FANS - 630mm Diameter Specifications

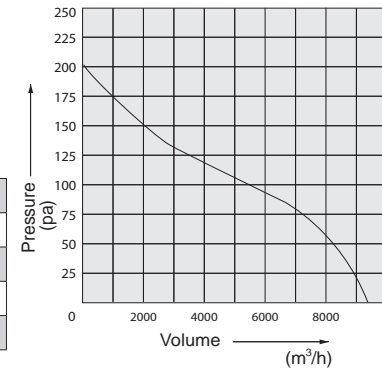
## Single Phase, 6 Pole Plate Fan PF-6-400-630-25B

Supply (V)	230	Air Volume (m <sup>3</sup> /h)	9500
Input (W)	400	Speed (RPM)	920
Current (A)	2.3	Capacitor Supplied	14uf
Frequency (Hz)	50	Noise (dBA)	76
Air Direction	Blow	Max Amb ( C )	40



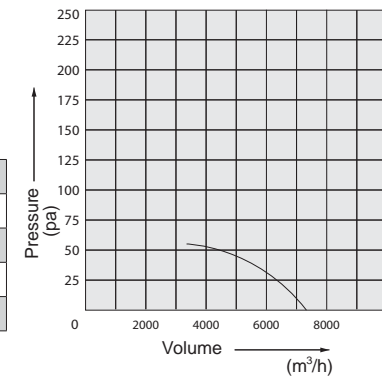
## Three Phase, 6 Pole Plate Fan PF-6-300-630-25B-3P

Supply (V)	400	Air Volume (m <sup>3</sup> /h)	9000
Input (W)	480	Speed (RPM)	910
Current (A)	1.3	Capacitor Supplied	n/a
Frequency (Hz)	50	Noise (dBA)	75
Air Direction	Blow	Max Amb ( C )	40



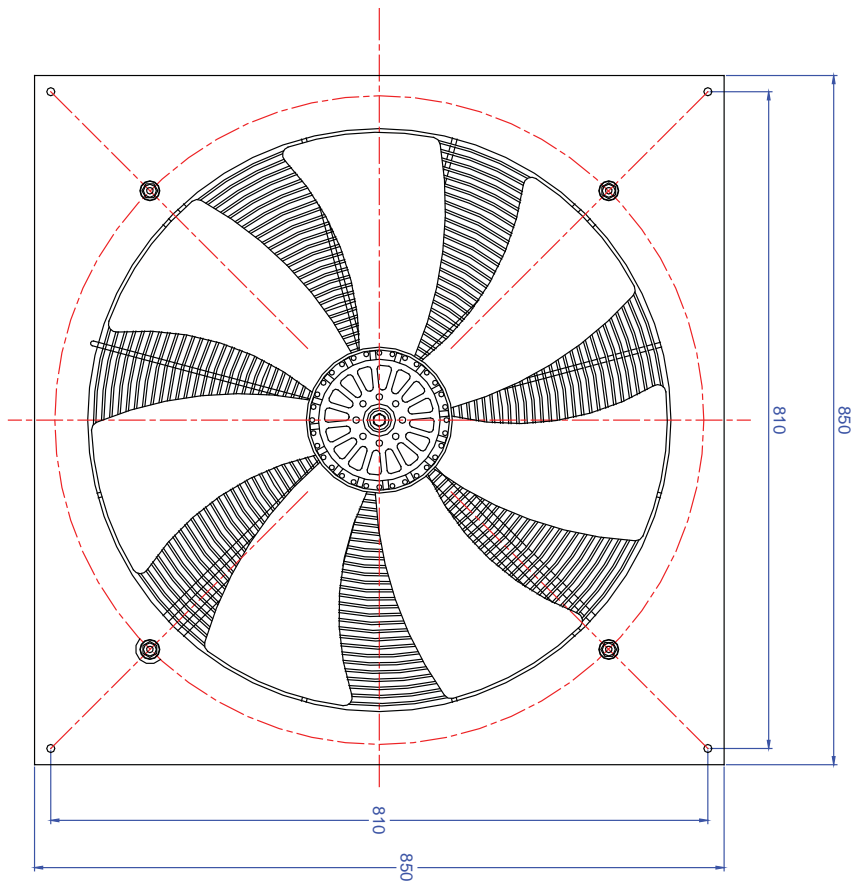
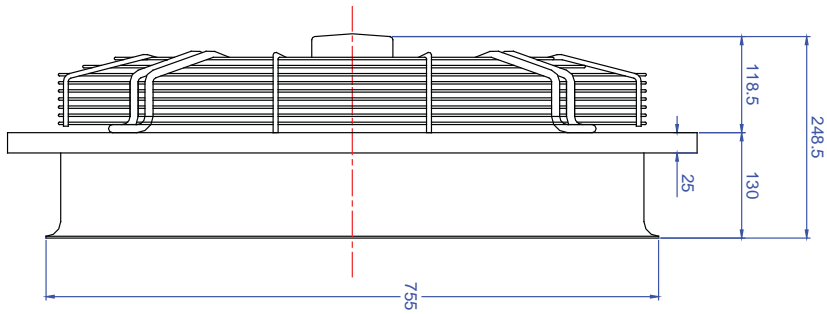
## Single Phase, 8 Pole Plate Fan PF-8-250-630-25B

Supply (V)	230	Air Volume (m <sup>3</sup> /h)	7200
Input (W)	250	Speed (RPM)	650
Current (A)	1.25	Capacitor Supplied	6uF
Frequency (Hz)	50	Noise (dBA)	66
Air Direction	Blow	Max Amb ( C )	40



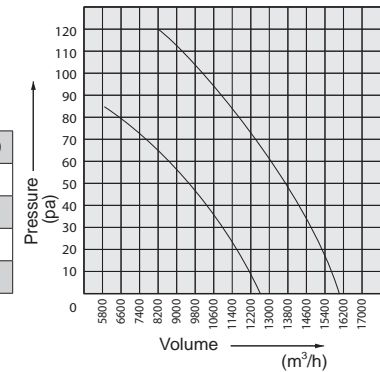


# PLATE FANS - 710mm Diameter Specifications



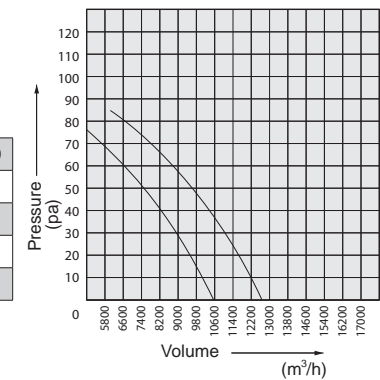
## Three Phase, 6 Pole Plate Fan PF-6-1100-710-25B-3P

Supply (V)	400	Air Volume (m <sup>3</sup> /h)	16000/12500
Input (W)	1100/850	Speed (RPM)	900/700
Current (A)	2.5/1.7	Capacitor Supplied	n/a
Frequency (Hz)	50	Noise (dBA)	79/75
Air Direction	Blow	Max Amb ( C)	60



## Three Phase, 8 Pole Plate Fan PF-8-650-710-25B-3P

Supply (V)	400	Air Volume (m <sup>3</sup> /h)	12500/10000
Input (W)	650/510	Speed (RPM)	700/600
Current (A)	1.6/1.3	Capacitor Supplied	n/a
Frequency (Hz)	50	Noise (dBA)	65/62
Air Direction	Blow	Max Amb ( C)	60

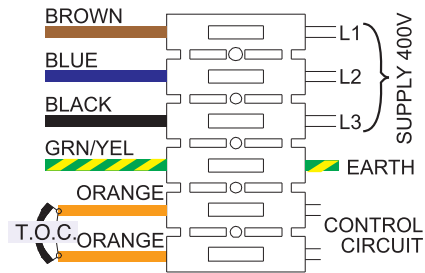


## Technical information

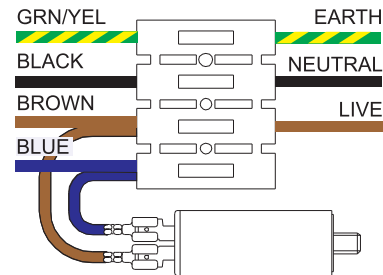
Conduit boxes are supplied as standard on all models.



### Terminal box connections



Three Phase Connection



Single Phase Connection

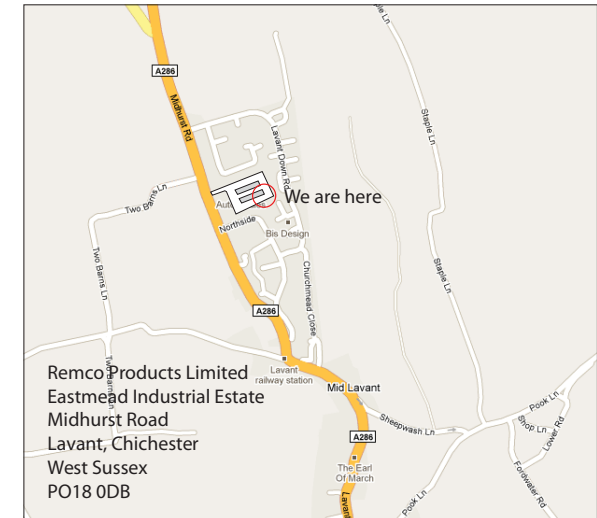
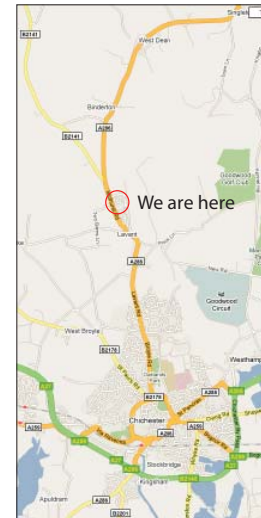


External Fan Guards used at the discharge end of the veloutte.

Fan Diameter	Guard No.
300mm	- FG-300-1
350mm	- FG 350-1
400mm	- FG-400-1
450mm	- FG-450-1
500mm	- FG-500-1
560mm	- FG-560-2
630mm	- FG-630-1
710mm	- FG-710-1

## Contacts

Peter Robinson	Sales & Technical Enquiries	peter@remco.co.uk technical@remco.co.uk
George Burns	Sales & Technical Enquiries	george@remco.co.uk
Spencer Thomas	Sales & Technical Enquiries	spencer@remco.co.uk
Andrew Fenwick	Sales & Technical Enquiries	andrew@remco.co.uk
Jenny Robinson	Accounts / Statement Enquiries	jenny@remco.co.uk accounts@remco.co.uk
Judi Hammersley	Administrator / General Enquiries / New Accounts	judi@remco.co.uk
Malcolm Hoddinott	Sales Manager / External & Technical Sales	malcolm@remco.co.uk
Brendan Hills	Production Manager / Health & Safety / Purchasing	brendan@remco.co.uk
Joseph Somerville	Website Enquiries / Promotional Literature	joseph@remco.co.uk
Richard Godfrey	Quality ISO Representative / Goods Inwards / Warehouse Manager	richard@remco.co.uk
Adam Morter	Motor Test Technician	adam@remco.co.uk



## TERMS & CONDITIONS OF SALE

**1. General** - (a) These terms and conditions of sale supersede all other terms and conditions, representations or undertakings made by the buyer or the seller. Nothing said or written during the course of negotiations between the buyer and the seller shall have contractual or other legal effect unless incorporated in this document.

(b) No agreement shall be effective to vary this contract unless agreed upon in writing and signed by a representative of the seller duly authorised in writing.

(c) Special attention is drawn to the warranty below.

**2. Description of Goods** - (a) 'Goods' means, subject to this clause, goods of the description ordered or contained in the quotation and to be delivered hereunder.

(b) The seller reserves the right to make without notice to the buyer any improvement or alteration in the material, specification, dimensions, or design of the goods which it thinks reasonable or desirable or which it is required to make by law and such improvement or alteration shall not affect the validity of the contract.

(c) Illustrations, photographs, descriptions and general literature relating to the goods are intended as a general guide only and the goods will not necessarily correspond in all respects with goods shown in those illustrations and photographs or described in the general literature.

**3. Drawings, Prints and Specifications** - Any technical drawings, prints and specifications supplied by the seller under or in connection with a quotation, or the contract, shall remain the property of the seller. The buyer shall not copy them without the consent of the seller and shall comply with the seller's reasonable requirements to their use, return and otherwise.

**4. Patents** - The seller gives no indemnity in respect of any actual or alleged infringements of the patents, registered designs, design copyright, or any other industrial property right relating to the goods.

**5. Delivery** - (a) The place of and the date for delivery are as agreed between the buyer and the seller.

(b) The date for delivery is the seller's best estimate based on present information. The seller shall not be liable for delay in delivery in any circumstances whatsoever (even if caused by the negligence of the seller, its servants or agents) nor for any loss, damage, or expense which the buyer may suffer by reason of such delay.

(c) Claims for goods received in a damaged condition will only be considered if notified by telephone within 3 days of receipt and confirmed in writing within 14 days of receipt.

**6. Cancellations** - Orders/ Part orders cannot be cancelled without the prior agreement and written consent of the seller. Returned goods must be in a new and unused condition, in the original packing where possible. Credit for returned goods may be subject to a restocking charge of from 10% at the discretion of the seller.

**7. Property and Risk** - (a) Property in the goods shall not pass to the buyer until the buyer has paid the whole of the price of the goods in full to the seller.

(b) The risk shall pass to the buyer as soon as one of the following events occurs:-

(i) The buyer pays the price in full.

(ii) The buyer takes delivery of the goods.

(iii) The seller notifies the buyer that the goods are ready for delivery and delivery has not taken place within 7 days thereafter for whatever reason.

(c) In particular, and without prejudice to (b), if the goods or any item thereof are lost, damaged or destroyed from any cause whatsoever (including the negligence of the seller, its servants or agents) whilst still in the possession of the seller after the risk has passed to the buyer, then the buyer shall pay the reasonable cost of repairing or replacing the goods and shall also remain liable to pay the price of the goods in full.

**8. Jurisdiction** - The law governing the contract shall be the law of England. Any dispute arising out of or in connection with the contract shall be submitted to the jurisdiction of the English courts, except that the seller may elect and be entitled to proceed in Scotland or Northern Ireland or any foreign jurisdiction whatever proceedings may lawfully be brought against the buyer.

**9. Notices** - Any notice may be served by either party on the other by leaving it at, or sending it by, post, cable, telegram, fax, or telex to the address of that party contained in the contract. Such notice shall be deemed to be served when it would be received by either party in the normal course of transmission of post or otherwise.

**10. Liability of the Seller** - (a) The seller shall not be liable if manufacture or delivery is prevented, hindered, or delayed by reason of strikes, sit-ins, trade disputes, lock-outs or any other actual or threatened industrial action or by difficulty in obtaining labour, plant, materials or bought in components, or by breakdown of plant, or machinery (including transport), or by interruption of power supplies, or by fire or by legal action by a third party (whether or not any of the aforesaid are caused by the negligence of the seller, its servants or agents) or by reason of any circumstances outside the seller's control which shall include, but not be limited to war, civil riot, intervention by government and all other cases of force majeure.

(b) If the manufacture or delivery of the full quantity due hereunder is prevented, hindered, or delayed by reason of any circumstances within sub-clause (a) then without prejudice to the exemption from liability under (a) the seller shall be entitled either, to apportion goods of the contract description at its discretion between the buyer and other customers of the seller and to deliver the quantity so apportioned to the buyer, delivery of which quantity shall constitute delivery in full, or to withhold delivery, until such time as the full quantity can be and is delivered hereunder.

**11. Termination of the Contract** - (a) The contract shall automatically terminate if the buyer (being an individual or, in the case of a firm, any member thereof) commits any act of bankruptcy or has a receiving order made against him or has any process of distress or execution levied upon his goods or makes any arrangement with his creditors, before the property in the goods has passed to the buyer hereunder.

(b) If the buyer (being a limited company) has a receiver appointed of its assets or goes into liquidation whether compulsory or voluntary or ceases to carry on in business, or if the seller reasonably considers that any of the said events is about to occur, before the property in the goods has passed to the buyer, then the seller may terminate the contract forthwith by notice in writing.

(c) In the event of termination under sub-clause (a) or (b) above the buyer shall cease to have any interest in or right to possession of the goods and the seller for the purpose of exercising its rights as unpaid seller and under this contract shall be entitled to enter any premises where the goods are situated and to remove them at the buyer's expense.

(d) Termination under this clause or the clause concerning payment shall be without prejudice to the seller's right to recover damages for any breach of contract by the buyer.

**12. Variations** - (a) The seller agrees to carry out any reasonable variations to the previously agreed specifications and drawings which is requested in writing by the buyer or his agent and accepted in writing by the seller.

(b) When specified or agreed materials are not readily available, the seller in addition to its rights under Clause 2 shall be entitled to substitute other materials which it deems suitable without prior notice to the buyer.

**13. Site** - When deliveries are to be made direct to site the buyer will warrant to the seller that the site will be readily accessible to normal road transport at the time and date of delivery, and that the buyer or his agent will be ready to accept the goods.

**14. Price** - The price shall be that ruling according to the seller's price lists where applicable and in force at the date of the seller's notice that the goods are ready for delivery, unless otherwise agreed in writing by the seller and the buyer.

**15. Payment** - Payment terms for approved credit accounts are strictly net monthly i.e. payment in full to be received no later than the last day of the month following the month during which the goods were dispatched, (an invoice from 1st, 15th or 30th April would fall due for payment on or before 31st May, and would become overdue on 1st June). The agreed terms of payment must be strictly observed. If any sum due thereunder is not paid in full by the due date or if before such date the buyer is unable or unwilling to make such payment in full then the seller shall have the right to terminate the contract forthwith whereupon clause 11 (c) shall apply. A minimum charge of £10.00 may be applied. Orders placed of a lesser value must be paid for by cash or cheque in such circumstances.

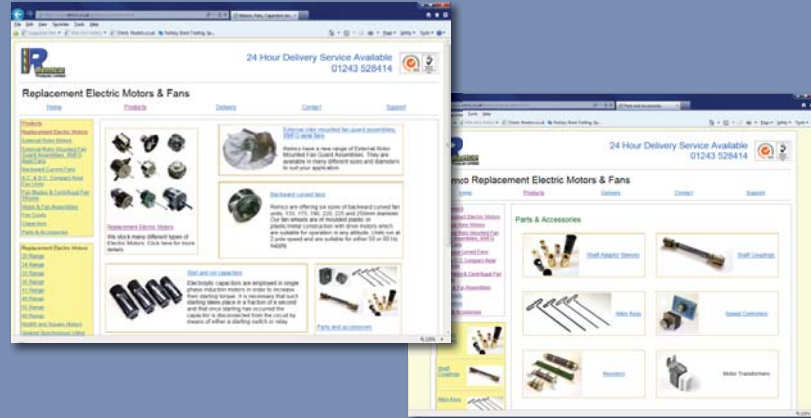
**16. Indemnity** - The buyer will indemnify the seller against any claims made by a third party arising directly or indirectly out of the contract.

**17. Warranty** - All goods are guaranteed against defects in manufacture and materials for a period of 12 months from the date of dispatch. Goods will be repaired or replaced free of charge within this period provided they are returned to our works carriage pre-paid, securely packed and providing our inspection shows such goods to be defective due to the above causes. The seller's liability arising out of the supply of goods and their use shall not exceed the cost of rectifying defects within them as noted above. The seller shall not be liable for any costs incurred by the buyer in removal or replacement of defective goods in their use, neither shall the seller be liable in any event for any other indirect or consequential damages. The warranty will be invalid in the case of goods that have been subject to neglect, misuse, misapplication, incorrect connection, have not been properly packed for return to the seller, or have been altered or repaired in any way outside our works. Subject as contained in this warranty, all express or implied warranties or conditions statutory or otherwise as to quality or fitness for any purpose of the goods are hereby expressly excluded.

# Remco Products Limited

## Replacement Electric Motors

For detailed information and technical help please call Remco or visit our Web Site - [www.remco.co.uk](http://www.remco.co.uk)



### Other Catalogues available from Remco



CD-ROMs are also available

tel: +44(0)1243 528414 e-mail: [sales@remco.co.uk](mailto:sales@remco.co.uk)  
 fax: +44(0)1243 532127 web: [www.remco.co.uk](http://www.remco.co.uk)

