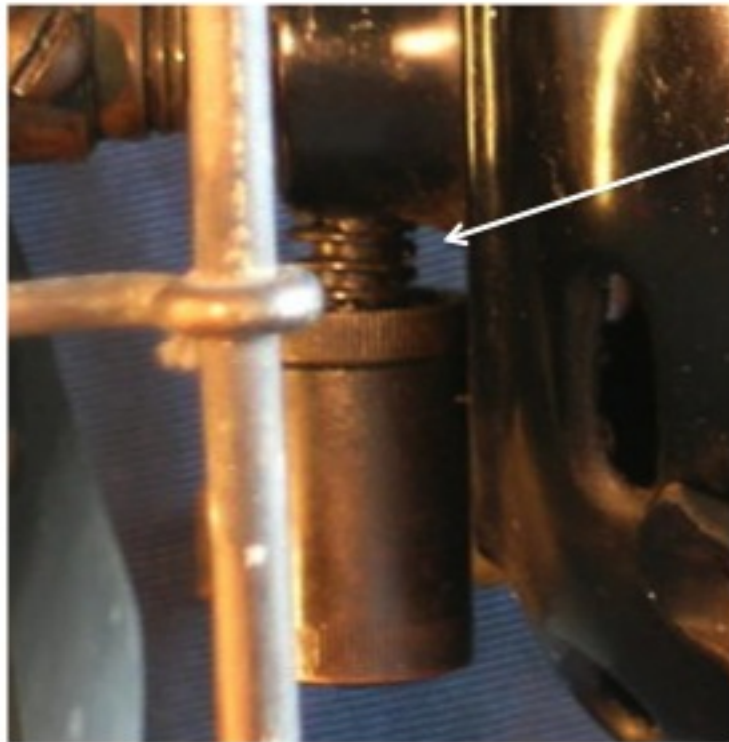


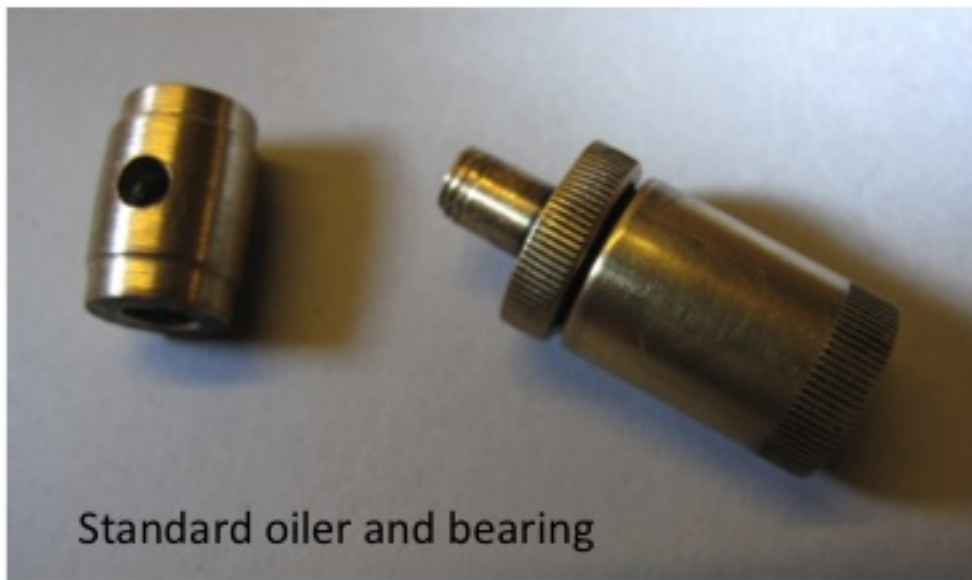
OILERS

Found on phase 1-4 models. The oiler screws into the cast iron motor head below the shaft by a screw thread and the lower cup is unscrewed to enable refilling. Typically, this type of oiler cup also has an external spring to prevent either slippage and disengagement once the fan is running, or, over-threading into the brass bearing. Oil cups should have hatching and also a drain hole. Small models (25cm blade models) have the oilers placed over the shaft rather than below. Oil seepage onto the shaft is controlled by a metal rod that plugs the gap between oiler and shaft. For the phase 2-3 large oscillators, (Nordico, Ocasso, Bisa & Ghibli models) the oiler is a single brass cup that screws completely into the cast iron body.



Spring





Standard oiler and bearing

Small oiler for 25cm
blade fans.
Placed above
shaft. Metal pin
shown protruding.



Single-piece oiler for large oscillators
(phase2-3, 30-40cm blades)



Detail of the lever switch to engage oscillation mechanism on a phase 3 oscillator. Note the cross-hatching.



Phase 2 oscillators carry a brass cover with a hole that Enables oiling of the gears. This sits on a rubber grommet and is easily lost. Genuine covers are often stamped with what may be OIL (?).

Hammer Head Speed Control

Made of brown bakelite and found on phase 1-3 models of sizes 30-40cm.

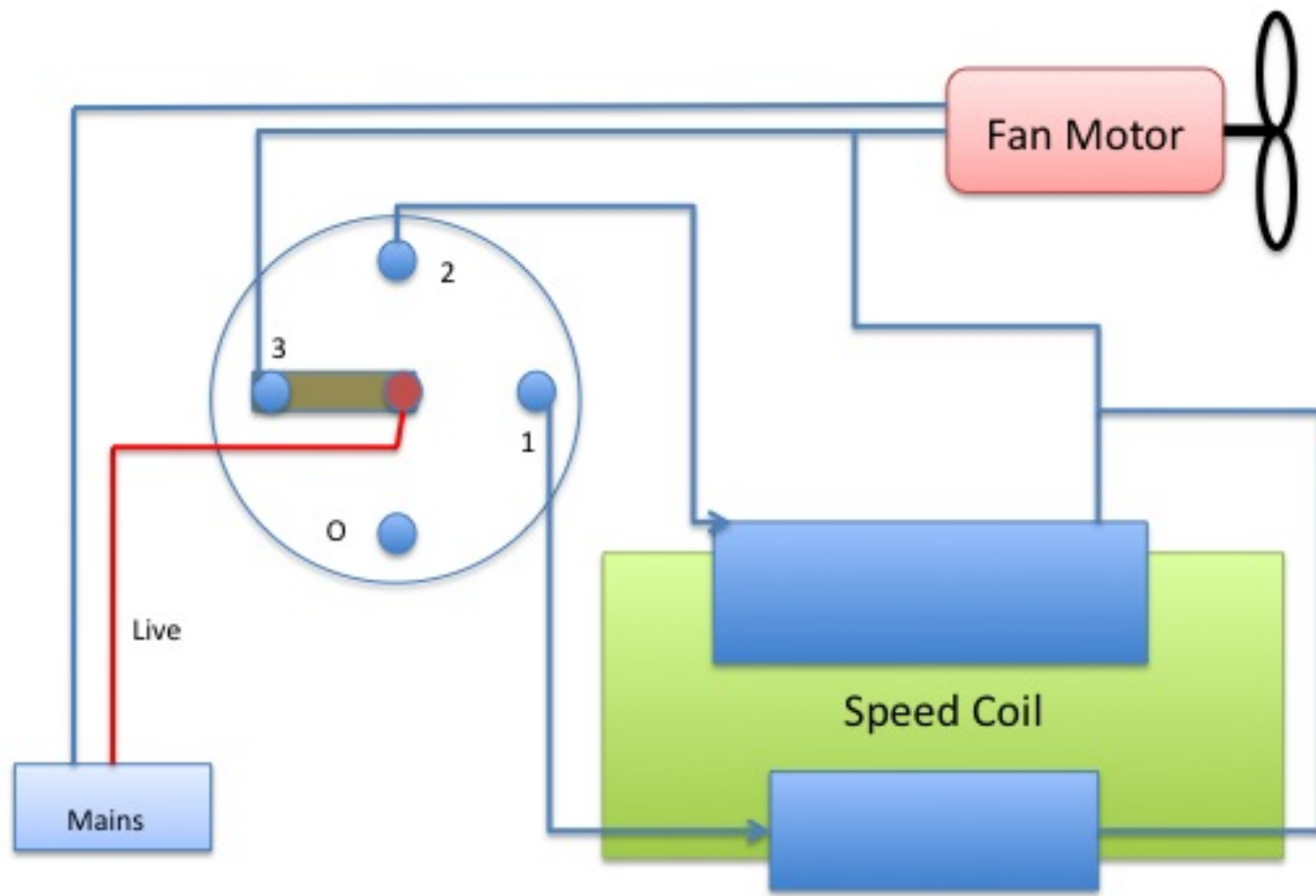


Very early (<1920) speed control plate. Off and speeds 1-3.
Embossed EMC.



Later models have a brass plate
Showing 3 speeds and direction
of rotation with an arrow (above and below).







The gold lettering (approx. 5-6 mm) indicates date on phase 2 Marellis
In this particular case the date of manufacture is 1924

1920s



1930-40s



1950s



A.R.C.E.

(Paris licencee)



1950+



1950+



1930-40

Aluminium collar found on stem of many fans





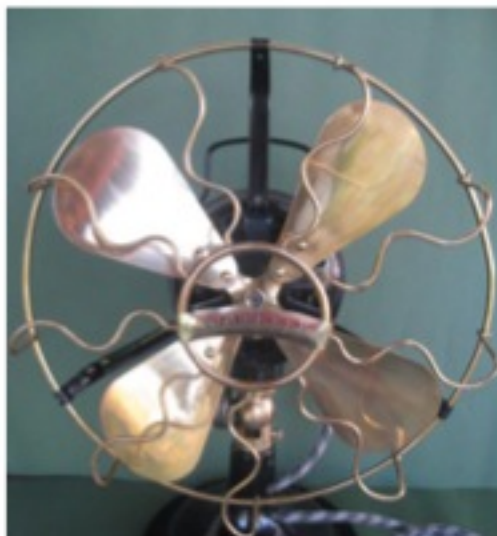
TAB FEET
Phase 1-2



ROUND BASE
Phase 3-5



PIZZA SHAPE
9 spokes
phase 1 and 2*



ROUND END
9 spokes
phase 2-4



ASYMMETRIC
8-spokes
phase 4*-5

*some models only



Ball or Axle Shaft Motor Head

For brushed motors only (Universal, AC/DC)
Phase 1-3



Pancake Head

For brushless induction AC motors only
Phase 1-3

FABRICATIONS



8 spoke cage incorrect for tab feet model
Badge is from later model



Trunnion in brass is incorrect. Trunnion wrong way round.
This fan has original tab feet base but has been made to resemble a **Delio** model which has a round base, not tab feet.

The small models never had handles to carry them. The tab feet still are embedded with old rubber grommets and this indicate an original base.



Ball Head Fans were designed to have brushes.
This fan (to resemble the BISA) does not have this and is a sand-moulded copy.
The oilers are incorrect and are solid brass.



This is a copy of a phase 1 Marelli. The fan has a floral base and head but...

the cage has 8 spokes

The cage lacks the wirework that is characteristic of phase 1 Marellis

The blade shape is correct (Pizza shape) but it has 6 blades-this is unusual!!!

The badge is from a later model and phase 1 Marellis never had a badge



An original Marelli cage will have an extra sheet of brass that covers the inner ring. This makes the inner ring appear thicker than the other wirework and is sometimes used to attach the name tag.



New or copies of Marelli cages often lack this extra brass cover since it is technically almost possible to apply the brass without the aid of a specialised tailor-made machine. The inner ring will appear thinner and is an indication of a copy. The extra layer of brass is almost impossible to remove so it is unlikely that this is wear and tare!

Partners Fans



First appeared as “Specials” in the Phase 2 models. This is a double-headed model with 30cm blades. The body is that of a BISA with a ball-headed brushed motor.

One concern with this fan is that

- 1) the cage has 8 spokes, not 9
- 2) the handle is brass, not iron
- 3) the speed knob is incorrect and not a hammer head.

These features could all be due to a long history of renovation and/or repair. Alternatively, this fan has been modified and perhaps started out as a BISA.

It is too demanding to replicate a brushed motor and most probably the body is correct.



No brushes yet this is a ball headed model
Resembling a BISA (30cm blades).
The oilers are solid brass
8 spoke cage for a phase 3 model
Badge incorrect
Lever switch to engage the oscillators
does not have hatching
No hammer head knob



This fan has a tag stating BOREALE

The body is original including the Trunnion.

Struts, cage (8-spokes) and label are copies.

Cage should be 9-spokes, label is from A 1950s model.

Probably blades also.

Boreale refers to a fixed head model so brass tag probably taken from another fan.

The cage badge is from a later (1950s model)

Labelling on phase 2-4 Marellis: Brass and Transfer labelling

Brass Riveted Name Badge from phase 3 Bisa



Gold transfer label on phase 2 Euro



Gold transfer label from a phase 4 Sirio



From a phase 4 Verno



● *THE "SUNAIRO" ELECTRIC FAN*



DIAMETER of Blades, 8 in. Swivel and Trunnion type. Can be used as desk or bracket fan by changing over the milled clamping screw. The fan is arranged for one speed only (full) and "off," controlled by a snap action switch fitted in the base. The phosphor bronze bearings are automatically lubricated by means of felt pads in enclosed chambers, always in contact with the spindle. The fan is delivered charged with sufficient lubricant to last a considerable time, but a little fluid oil may be added as necessary.

● Supplied for either D.C. or single phase A.C. (50 cycles) in all standard voltages. Speed, 1,350 r.p.m. Consumption : D.C. 19 watts ; A.C. 27 watts. 9 ft. of flexible cord and B.C. adaptor provided with each fan. ●

Price £1 12s. each (2b)

This is a UK fan but made by Marelli. The fan is the Diana (phase 5 20cm blades)

ERCOLE MARELLI & C. S.A. MILANO

VENTILATORI

INCLINABILI ED OSCILLANTI PER TAVOLO E PARETE CON
REGOLATORE DI VELOCITÀ NELLA BASE, PER CORRENTE CONTINUA
E ALTERNATA MONOFASE

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Ventilatori con motore
a scintille e ad induzione
diametro della gabbia 26, 30 e 40
centimetri

Facilità d'arresto della
oscillazione mediante semplice
spostamento di una levetta. Il meccanismo è robusto,
semplice e non richiede manutenzione. Il funziona-
mento è assolutamente silenzioso.

Espresso Graf. 1928. 1000. 1000. 1000

ERCOLE MARELLI & C. S.A. MILANO

VENTILATORI

inclinabili ed oscillanti per tavolo e parete con
regolatore di velocità nella base, per corrente
continua e alternata monofase.



"DELIO"

Diametro della gabbia cm. 26
Due velocità



"BISA"

Diametro della gabbia cm. 30
Tre velocità



"GHIBLI"

Diametro della gabbia cm. 40
Tre velocità

Possibilità di arresto
dell'oscillazione

MOVIMENTO OSCILLANTE. Si svolge nei piani sem-
pre perpendicolari all'asse della levetta per un angolo
di circa 110°. Può essere immobilizzato col semplice
spostamento di una levetta. Il meccanismo è robusto,
semplice e non richiede manutenzione. Il funziona-
mento è assolutamente silenzioso.

SCATTO DI SICUREZZA. Ad evitare che il ventilatore, quando, premuto contro qualche
ostacolo e facendo leva sul punto di contatto si rovesci, si è previsto il movimento di
uno scatto di sicurezza il quale fa sentire un rumore caratteristico quando il movimento
di oscillazione è impedito da qualche ostacolo, e fa spostare automaticamente il punto
di partenza dell'oscillazione stessa.

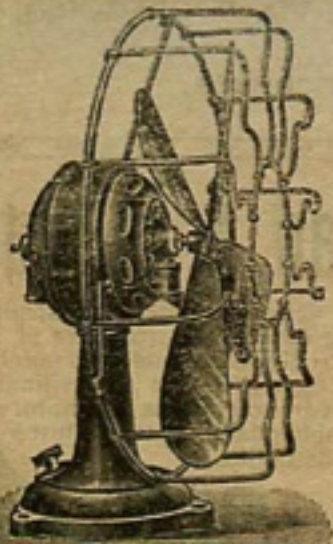
Espresso Graf. 1928. 1000. 1000. 1000

Espresso Graf. 1928. 1000. 1000. 1000

Advert for the 3 phase 3 oscillators, **Delio** (26cm), **Bisa** (30cm) and **Ghibli** (40cm)

1918 advertisement (note 12 spokes)

ERCOLE MARELLI & C.



MACCHINE ELETTRICHE

AGITATORI D'ARIA da tavolo, pa-
rete e soffitto.

MOTORI - DINAMO - ALTERNATORI
TRASFORMATORI - VENTILATORI
- - . ELETTOPOMPE - -

Indirizzare corrispondenza: MILANO - Casella Postale 1254

MILANO

1963

VENTILATORI

INCLINABILI ED OSCILLANTI DA TAVOLO, PARETE E SOFFITTO

115 - 720 Volt - Ho.

INCLINABILI da tavolo e parete

PALE cm.	VARI	SARDIORDO	MARELLI
20 senza prot.	1700	—	4995
20 con prot.	2000	—	7125
25 - 22	5000	6300	—
30	—	12100	13500



OSCILLANTI da tavolo e da parete

PALE cm.	CE. MI	SARDIORDO SAR	MARELLI
25	13000	—	15000
30	16000	19200	21200
40	—	23900	26250



SU COLONNA

PALE cm.	TIPO	SARDIORDO SAR	MARELLI
40	oscillanti	35700	38175
60	• in teg.	—	50000
60	• • base	—	71250
40	girevole	47700	—



DA SOFFITTO

TIPO	PALE cm.	MARELLI
girevole	40	27000
grandi pale	90	27000
• •	120	33750
• •	142	39750

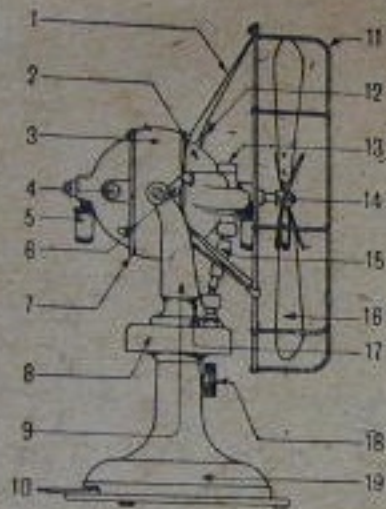


GERMIN
Elettrodomestici

L'imposta di consumo non è compresa nei prezzi sopra indicati.

VENTILATEURS OSCILLANTS

Types DELIO, BISA, GHIBLI



- | | |
|--|--|
| 1 Pattes de fixation de la cage. | 10 Manette du rhéostat. |
| 2 Flasque côté ailette. | 11 Cage. |
| 3 Carcasse. | 12 Vis de fixation de la cage. |
| 4 Porte-balais. | 13 Tourillon du mouvement d'oscillation. |
| 5 Graisseurs. | 14 Vis de fixation de l'ailette. |
| 6 Manette d'enchâssement du mouvement d'oscillation. | 15 Tige cardan. |
| 7 Flasque côté collecteur avec porte-balais. | 16 Ailette. |
| 8 Boîte du mouvement oscillant. | 17 Vis de fixation de la fourche sur le tourillon. |
| 9 Fourche. | 18 Vis moulée en acier bruni. |
| | 19 Pied ou socle. |

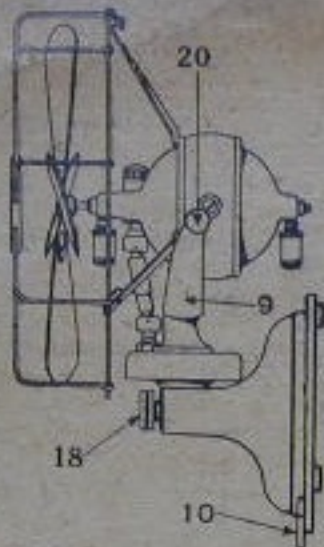
INSTRUCTIONS

MONTAGE. Fixer l'ailette (N. 16) sur l'arbre du Ventilateur, en la serrant fortement au moyen de la vis de fixation (N. 14).

GRAISSAGE. S'assurer que les graisseurs (N. 5) sont bien à leur place. Introduire ensuite quelques gouttes de bonne huile fluide dans les trous du tourillon du mouvement d'oscillation (N. 13), c'est-à-dire à l'endroit portant l'indication "HUILE".

DEMARRAGE. Pour les appareils à collecteur, vérifier si les balais sont bien en contact avec ce dernier, et, avant de mettre l'appareil en marche, faire tourner l'ailette à la main pour s'assurer qu'il n'y a aucune résistance mécanique.

La position d'arrêt du Ventilateur est donnée par la manette de rhéostat (N. 10), lorsqu'elle est complètement déplacée vers la droite; par contre, la vitesse maximum est obtenue lorsque la manette en question est complètement déplacée vers la gauche; la vitesse moyenne s'obtient lorsque la manette se trouve dans la position médiane.



MONTAGE SUR PAROI.

Le Ventilateur est expédié pour fonctionner sur table. Pour l'appliquer sur paroi, dévisser la vis molletée en acier bruti (N. 18), soulever le moteur en le prenant par la fourche (N. 9), ensuite mettre le tourillon ainsi libéré dans la position occupée précédemment par la vis ci-dessus et fixer cette dernière à la place du tourillon, en la serrant fortement.

L'appareil ainsi modifié, la manette du rhéostat (N. 10) se trouve placée vers le bas.

ORIENTATION DE L'AIR.

La colonne d'air brassée par le Ventilateur peut être dirigée dans n'importe quelle direction sans déplacer la base du Ventilateur.

Pour relever le moteur vers le haut ou l'abaisser vers le bas, desserrer la vis (N. 20) montée sur la fourche (N. 9), donner au moteur la position voulue et serrer la vis à fond pour éviter tout déplacement.

Il est recommandé de procéder à cette opération très délicatement pour éviter de détériorer la tige cardan (N. 15).

MOUVEMENT OSCILLANT.

Le mouvement oscillant se produit lorsque la manette d'enclenchement (N. 6) est dirigée vers le haut; pour arrêter ce mouvement, il n'y a qu'à le déplacer vers le bas.

En aucun cas, la vis (N. 17) qui fixe la fourche sur le tourillon ne doit être desserrée.

ENTRETIEN. Au début de chaque saison, dévisser les deux graisseurs (N. 5), les remplir d'huile demi-fluide et les remettre en place, en s'assurant que la mèche est en contact avec l'arbre.

Tous les mois, remettre quelques gouttes d'huile fluide, en suivant les instructions indiquées au paragraphe "GRAISSAGE".

MARELLI

ERCOLE MARELLI & C., S. A. - MILAN

ANTARCTIC ELECTRIC FANS

PEDESTAL AND BRACKET TYPE (OSCILLATING)



Black enamelled heavy iron frame with polished brass blades and guard. Heavy duty motor, silent running, with specially impregnated windings against atmospheric changes. Fitted with Speed Regulator giving "off" position and four speeds, except 10-in., which has "off" position and two speeds.

Diameter of Fan Blade	Voltage	ALTERNATING CURRENT (Induction Motor)				DIRECT CURRENT				
		Cat. No.	Speed R.P.M.	Watts Cons.	PRICE each	Cat. No.	Speed R.P.M.	Watts Cons.	PRICE each	
10 inch	100/110	S.48680	1310	38	53.6	S.48678	1480	25.5	57.-	
	200/230	S.48681			56.-				S.48679	60.-
	230/250	S.48681a			56.-				S.48679a	60.-
12 inch	100/110	S.48685	1310	48	78.-	S.48682	1480	36.5	79.-	
	200/230	S.48687			82.-				S.48683	83.-
	230/250	S.48687a			82.-				S.48683a	83.-
14 inch	100/110	S.92665	1270	69	91.6	S.92665	1320	50	91.6	
	200/230	S.92667			96.-				S.92667	96.-
	230/250	S.92667a			96.-				S.92667a	96.-
16 inch	100/110	S.48688	1280	98	103.-	S.48684	1320	66	101.-	
	200/230	S.48689			108.-				S.48685	106.-
	230/250	S.48689a			108.-				S.48685a	106.-

A. C. models suitable for 50 cycles only.

IMPORTANT FEATURE.

The oscillating mechanism of 12-in. to 16-in. Fans is provided with a Slipping Clutch which permits of the Fan reversing its travel immediately it meets with any obstruction, and resuming its oscillatory movement through another angle.

The oscillatory motion may be readily stopped or resumed by the simple setting of a lever.

Prices include 9-ft. flexible circular cord.

UK fan made by Marelli

This is phase 4 (round end blade)

in 25cm, 30cm, 35cm and 40cm models

ANTARCTIC ELECTRIC FANS

PEDESTAL AND BRACKET TYPE



Black enameled heavy iron frame, swivel and trunion, with polished brass blades and guard. Heavy duty motor, silent running, with specially impregnated windings against atmospheric changes. Fitted with Speed Regulator giving "off" position and four speeds. Alternating current motors are induction type suitable for 50 cycle mains only. Direct current motors are series commutator type.

14 inch Diameter Blades.

Alternating Current			Direct Current		
Weight 15½ lbs.			Weight 14½ lbs.		
R.P.M. 1290.			R.P.M. 1380.		
Consumption 67 watts.			Consumption 54 watts.		
		each			each
S.91861	100/110 volts	71/6	S.92664	100/110 volts	71/6
S.91862	200/230 volts	75/-	S.92665	200/230 volts	75/-
S.91862a	230/250 volts	75/-	S.92665a	230/250 volts	75/-

16 inch Diameter Blades.

Alternating Current			Direct Current		
Weight 19 lbs.			Weight 16 lbs.		
R.P.M. 1330.			R.P.M. 1330.		
Consumption 96 watts.			Consumption 64 watts.		
		each			each
S.68621	100/110 volts	82/-	S.68619	100/110 volts	81/-
S.68622	200/230 volts	86/-	S.68620	200/230 volts	85/-
S.68622a	230/250 volts	86/-	S.68620a	230/250 volts	85/-

Prices include 9-ft. flexible circular cord.

UK fans made by Marelli
Inclinable models
Phase 4
35 and 40cm blades