

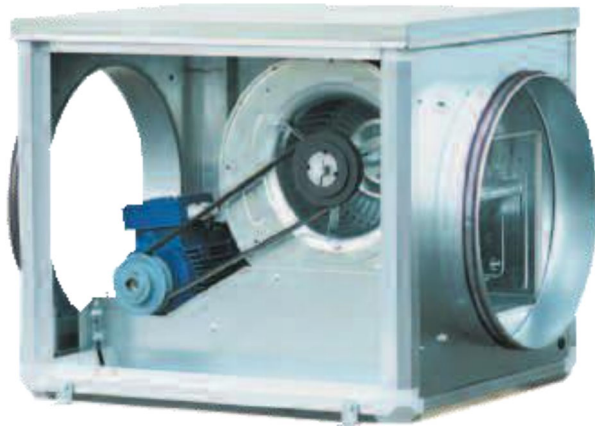


MAXIPLUS®

RANGE

CMV Office extraction units
Air flow from 2000 to 17000 m³/h





Belt and pulley transmission air flow from 2000 to 17000 m³/h

APPLICATION

- Ventilation of premises requiring average and high air flows.
- Can be used for air extraction or blowing. Particularly suited in applications where there are severe dimensional constraints (compact AHU) and acoustic requirements (enhanced sound insulation version).

RANGE

- Available in 4 sizes and 4 models, the **MAXIPLUS®** range covers air flows from 2000 to 17000 m³/h.

CONSTRUCTION

- Structure in aluminium profile.
- Corners in reinforced polyamide.
- Access to internal components by two removable side panels
- 10/10ths galvanized steel panels.
- Grommet for power cable. Nuts crimped into the frame for floor fixing.
- Module fitted as standard with intake and discharge panels with in-line circular connection and double seals.

MOTOR FAN

- Impulse centrifugal wheel with double opening.
- IP55 class F motor with belt and pulley coupling and PTO thermal cutout.

- Drive pulley can be varied when stopped for motors up to 4kW.
Motor fan assembly mounted on the same chassis (motor mounted directly on the casing for model 315) motor fixed to the carriage for the other models.

INSTALLATION

The **MAXIPLUS®** range can be used fixed to the floor or vertically against a wall. Can be used horizontally indoors or outdoors (requires AGC option). Ground/wall fixing brackets as standard.

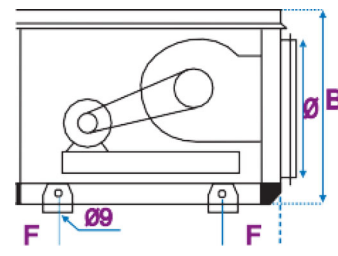
VARIANT

PHONIC version with very high density rockwool insulation (120 kg/m³).

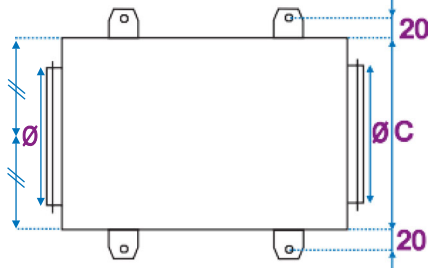
INSTALLATION AND ELECTRICAL OPTIONS

Numerous options are available.

DIMENSIONS CHARACTERISTICS MAXIPLUS®



MAXIPLUS® model	Dimensions					
	A	B	C	E	Ø	F
	mm	mm	mm	mm	mm	mm
450	745	645	645	322	450	80
500	845	745	745	372	500	80
630	970	845	970	422	630	100
800	1045	945	1045	472	800	100



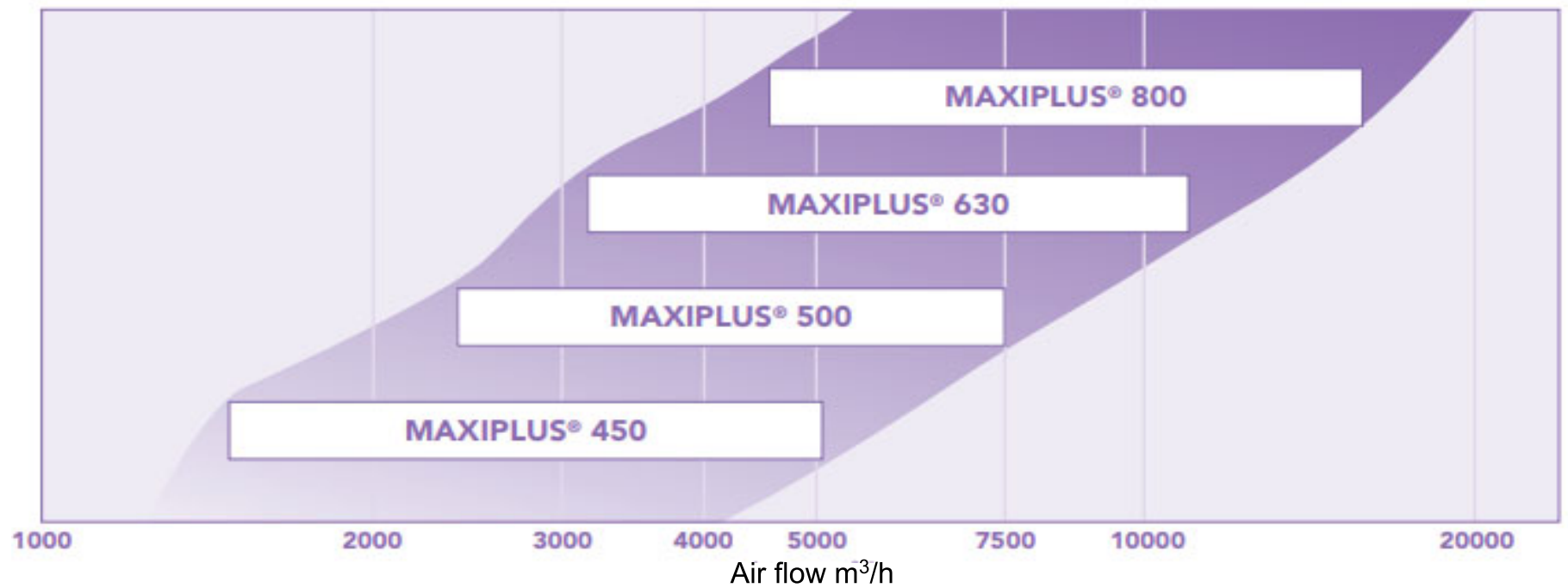
MAXIPLUS®	450	--	E	4
①	②	③	④	⑤

REFERENCE GIVEN IN THE ORDER

- 1- Belt and pulley transmission extraction AHU .
- 2- Branch connection diameter.
- 3- PHONIC = version with enhanced sound insulation (rockwool 120 kg/m³).
- 4- Motor power.
- 5- 4 = 1 speed 4 poles

MAXIPLUS®	450	--	E	4
①	②	③	④	⑤

PRESELECTION TABLE MAXIPLUS®





The values L_{p4m} dB (A) (○) shown on the curves correspond to the sound pressure level to 4m in hemispherical free field on a reflective surface, rejection not connected box on a MAXIPLUS® PHONIC.

- The values $cond L_w$ dB (A) (□) indicated on the curves correspond to the total sound power radiated in the upstream duct of the MAXIPLUS PHONIC®.
- To obtain the spectrum of the sound power level $L_w cond$ dB (A), upstream side, add the following values to the acoustic power $Cond L_w$ dB (A) (□) indicated on the curves it is a MAXIPLUS PHONIC or uninsulated MAXIPLUS PHONIC®.

Frequency	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	Global
MAXIPLUS NON ISOLATED 450 dB(A)	-15	-8	-1	2	1	0	-6	-12	7
MAXIPLUS NON ISOLATED 500 dB(A)	-16	-5	-2	2	1	-1	-7	-14	7
MAXIPLUS NON ISOLATED 630 dB(A)	-16	-6	-3	4	0	-2	-6	-13	7
MAXIPLUS NON ISOLATED 800 dB(A)	-15	-7	-3	3	1	-2	-6	-13	7
MAXIPLUS PHONIC 450 dB(A)	-19	-11	-5	-5	-9	-15	-15	-14	0
MAXIPLUS PHONIC 500 dB(A)	-20	-8	-5	-5	-9	-16	-15	-16	0
MAXIPLUS PHONIC 630 dB(A)	-20	-9	-7	-3	-10	-17	-15	-15	0
MAXIPLUS PHONIC 800 dB(A)	-19	-10	-7	-3	-9	-17	-15	-15	0

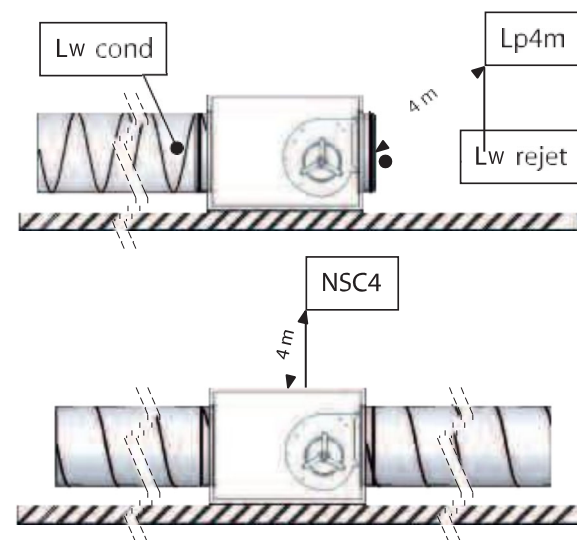
- The overall sound power radiated to the rejection of the box is given by: MAXIPLUS
 MAXIPLUS® NON ISOLATED : $L_w rejection$ dB (A) = L_{p4m} (○) + 22
 MAXIPLUS® PHONIC : $L_w rejection$ dB (A) = L_{p4m} (○) + 20
- For the sound pressure level L_p dB (A) in a hemispherical free field, at a distance, camera placed on the floor reflecting surface upstream side connected discharge side not connected, add the following values in dB(A) L_{p4m} (○) indicated on the curves.

Distance	2 m	3 m	4 m	5 m	7 m	10 m
Weighting distance NON-ISOLATED dB(A)	8	4	2	0	-3	-6
Weighting distance PHONIC dB(A)	6	2	0	-2	-5	-8

NOTA :
 Tolerance Values = overall +/- 3 dB (A)
 Acoustic spectra +/- 5 dB (A)

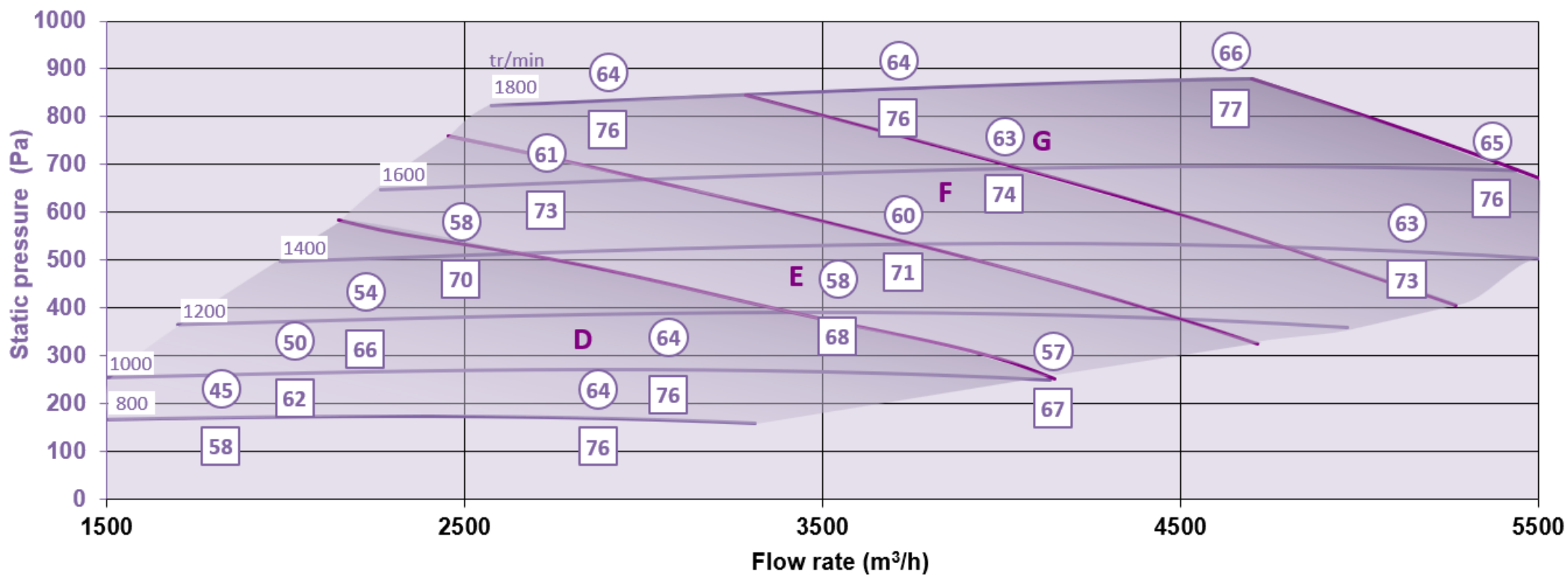
- For the sound level 4 m (NSC4) device connected to the suction and discharge by a sheath as well as the soundproofing box, apply the following weights:
 MAXIPLUS NON ISOLATED® : $NSC4$ dB(A) = L_{p4m} (○) - 9
 MAXIPLUS® PHONIC : $NSC4$ dB(A) = L_{p4m} (○) - 17

MAXIPLUS® model	Motor power (kW)	Weight MAXIPLUS® (kg)	
		NON ISOLATED	PHONIC
450 D	0,75	68	76
450 E	1,10	71	79
450 F	1,50	74	82
450 G	2,20	81	89
500 D	0,75	91	101
500 E	1,10	94	104
630 F	1,50	120	135
630 G	2,20	127	142
630 H	3,00	132	147
800 G	2,20	154	172
800 H	3,00	159	177
800 I	4,00	168	186
800 J	5,50	181	199

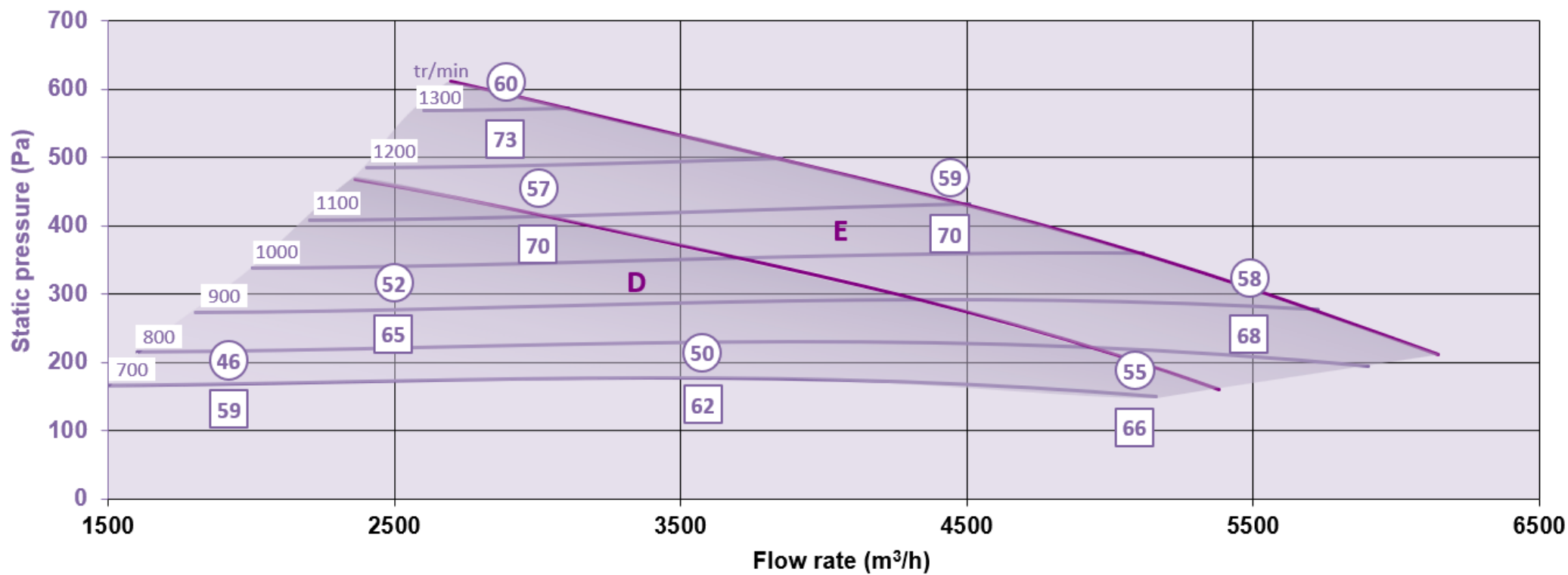




MAXIPLUS® 450



MAXIPLUS® 500



ELECTRIC CHARACTERISTICS **MAXIPLUS®**

Motor type	Motor power (kW)	Voltage (V/phase/Hz)	1 speed motor 4 poles		Frequency variator	
			Protection at 400V (A)	Cos	Alim 230 V exit 400 V	Alim 400 V exit 400 V
D4	0,75	230-400/3/50	1,9	0,73	VFM 0,75	VFT 0,75
E4	1,10	230-400/3/50	2,6	0,79	VFM 1,1	VFT 1,1
F4	1,50	230-400/3/50	3,4	0,73	VFM 1,5	VFT 1,5
G4	2,20	230-400/3/50	4,9	0,79	VFM 2,2	VFT 2,2

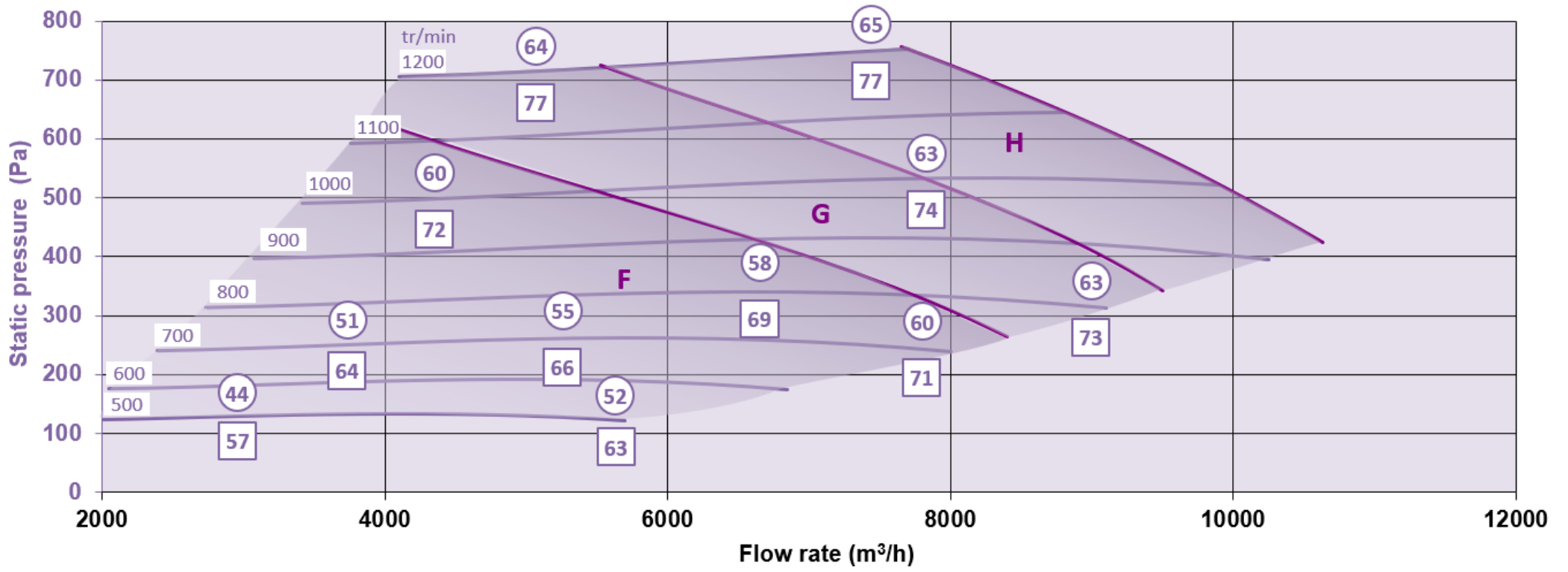
Rotation speed ⁽¹⁾ Tr/mn	
Maxiplus® 450	Maxiplus® 500
1010/1370	1130/1530
1170/1530	890/1170
1330/1680	-
1410/1790	-

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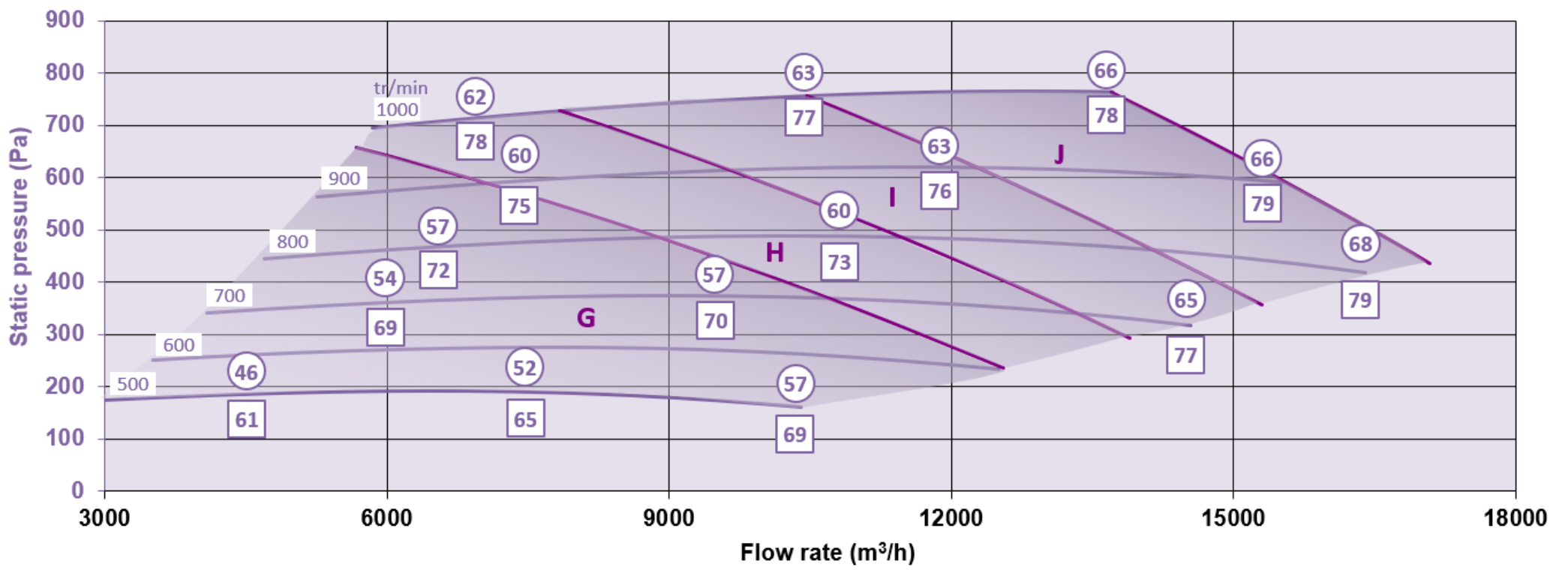
(1) Min./max. rotation speed with standard transmission



MAXIPLUS® 630



MAXIPLUS® 800



ELECTRIC CHARACTERISTICS **MAXIPLUS®**

Motor type	Motor power (kW)	Voltage (V/phase/Hz)	1 speed motor 4 poles		Frequency variator	
			Protection at 400V (A)	Cos	Alim 230 V exit 400 V	Alim 400 V exit 400 V
F4	1,5	230-400/3/50	3,4	0,73	VFM 1K5	-
G4	2,2	230-400/3/50	4,9	0,79	VFM 2K2	VFT 2K2
H4	3,0	230-400/3/50	6,5	0,79	-	VFT 3K0
I4	4,0	230-400/3/50	8,6	0,79	-	VFT 4K0
J4	5,5	230-400/3/50	11,1	0,80	-	VFT 5K5

Rotation speed ⁽¹⁾ Tr/mn	
Maxiplus® 630	Maxiplus® 800
650/860	-
790/1000	570/720
900/1140	650/820
-	770/960
-	780/980

(2) Min./max. rotation speed with standard transmission



CHAMFERED DUCT TERMINATION WITH MESH ref. BBG

With safety and bird protection mesh for
MINIMAX® AHU's.



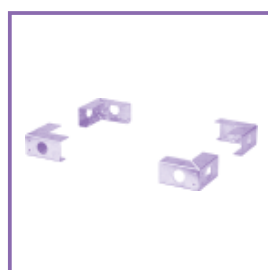
RAIN COWL ref. AGC

With safety and bird protection mesh for
MAXIPLUS® AHU s.



FLEXIBLE MO SLEEVES ref. MTS MO

Fire classification: M0.
Diameter: 125 to 800 mm



SUPPORT FEET ref. PCB (set of 4 feet)

Are used when necessary to replace the sup-
port brackets supplied with MAXIPLUS® AHU s.



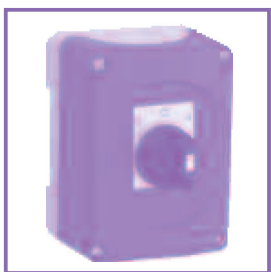
DIFFERENTIAL PRESSURE SWITCH ref. DEP

(factory-fitted)
Ventilation fault detection.
Filter fouling detection.



PADLOCKABLE SWITCH ref. IPC

(factory wired and fitted)
Meets safety regulations.
Standard on MINIMAX®.



COMFORT CONTROL ref. CDC

For MINIMAX® 125 to 250
(2 speeds as standard).
CDC 2V2: STOP/LS-HS positions
CDC PVGV: LS and HS positions



SPEED CONTROLLER

Regulates fan speed by varying the power
supply frequency.
ref. VFM: power supply 230 V single phase /
output 230 V three-phase.
ref. VFT: power supply 400 V three-phase /
output 400 V three-phase.
Option of remote potentiometer.



2-SPEED CONTROL BOX ref. CDA

ref. CDA: DAHLANDER coupling
Controls and protects two-speed motors.



AUTOTRANSFORMER SPEED CONTROLLER ref. VATM

Adjusts the fan speed through a 5-position
manual selector (230V SINGLE-PHASE ONLY)



ELECTRONIC SPEED CONTROLLER ref. REG

Manual adjustment of fan speed by integrated
or remote potentiometer (230V single-phase
only).



LOBBY® SELF-REGULATING CONSTANT PRESSURE AHU

Adapts the fan rotation speed instantaneously
to the requirements of the installation. Energy
consumption from 30 to 60% and a reduction
of sound levels radiated by the system.