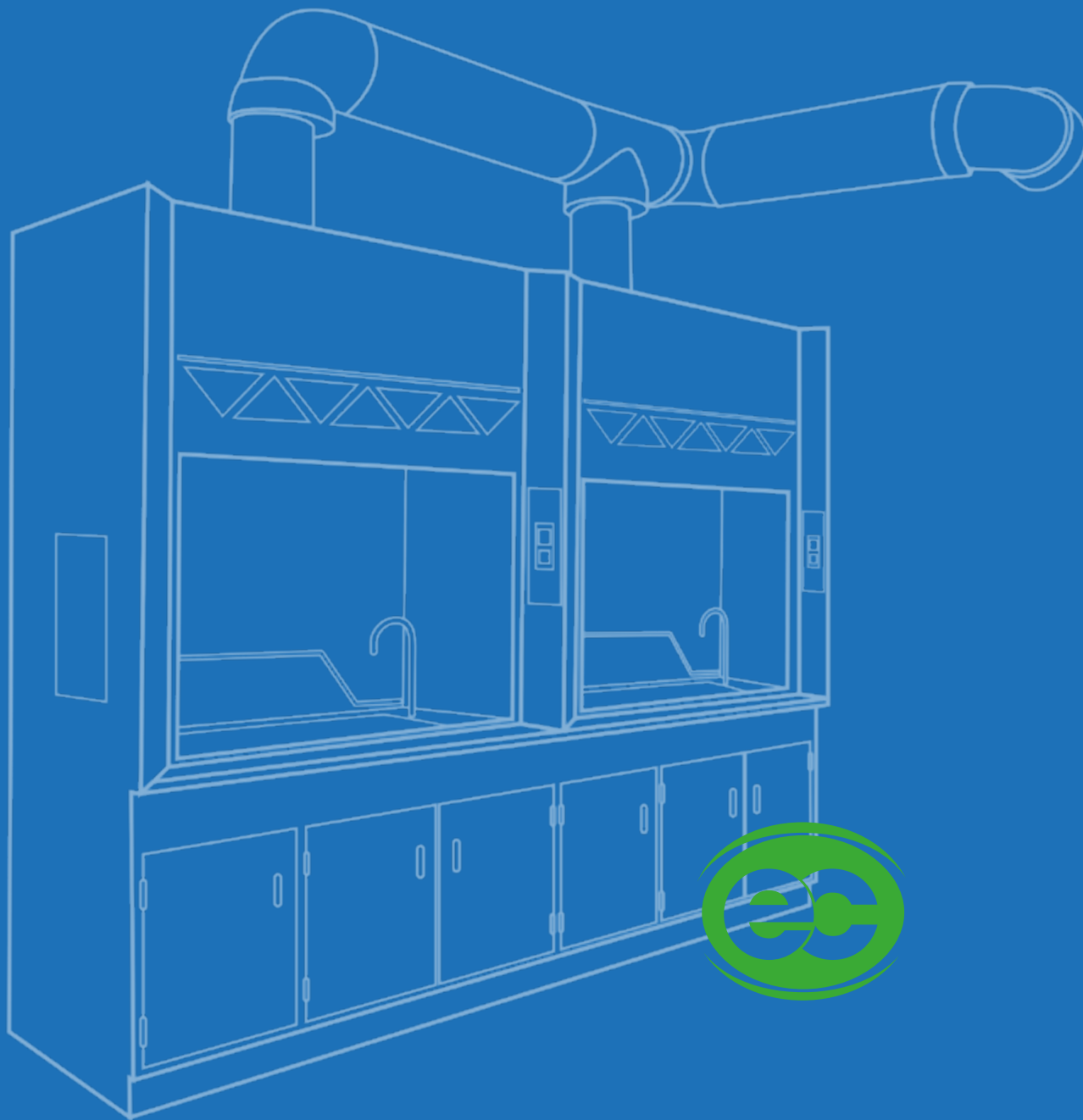


Energy Saving EC Corrosion Resistant Polypropylene Fans

Our energy efficient range of corrosion resistant polypropylene fans featuring IE5 motors reduce fan energy consumption in fume extraction systems by up to 20%.



Energy Efficient Fume Extraction

With over 25 years of experience working with SEAT Ventilation, Axair supports a large network of UK fume cupboard manufacturers and those within the environmental corrosive fume market with our range of industrial fans. Corrosion resistant fans are supplied with metal or outdoor polypropylene pedestals and are specified to match the exact requirements of the applications operating and performance duty.



Our EC polypropylene fans allow fume cupboard manufacturers to reduce their fan energy consumption by up to 20% without affecting performance.”

As the market demands more energy efficient systems, the introduction of the EC range of fans that complement our extensive AC range, allow fume cupboard manufacturers to reduce their fan energy consumption by up to 20% without affecting performance, ultimately enhancing the energy efficiency of the entire fume extraction system.

System designers are now keen to look at all options to reduce energy consumption within laboratories. Reducing the amount of energy used by the extraction fan itself is a good starting point

Whatever your position in specifying a suitable fan for any form of fume extraction project, we understand your application and we're here for you when you need us.

Contact our industrial team on 01782 349 430 or email sales@axair-fans.co.uk.

EC Polypropylene Fans

The IP55 polypropylene range of energy efficient EC fans and IE5 motors are available in a variety of sizes in both single and three phase variants covering airflows from 20-9000m³/hr and pressures to 1500Pa. View features below:

Fan:

- Single inlet corrosion resistant UV treated polypropylene scrolls
- Forward Curved Impeller in Polypropylene
- Direct Drive Polypropylene turbine that is balanced dynamically and electronically
- Available in 2 directions of rotation according to the positioning of the suction and discharge (LG/RD)* Except S35 EC available in LG only
- Max Temperature of air carried: -20 – +50 degrees C

1~ & 3~ Motor:

- Single or Three Phase B34 Type Motor: Foot mounted + inner flange
- Integrated Drive on 1~, Inverter Drive on 3~
- High Efficiency EC technology IE5 motor with integrated electronics
- Up to 20% savings on the previous motor type.
- IP55 Protection
- Motor positioned out of the airflow
- Drive will control the motor via a 0/10V signal
- Working Temp: -20 – +50 degrees C

Inverter:

- IP20 & IP66 frequency inverters for EC motors with 0/10V output and RJ45 relay and alarm contact

Pedestals

- Mounting on metal or outdoor weatherproof box pedestal



Technical Expertise

We have over 25 years' of experience in corrosive air movement and explosive environments. Our team of sales engineers are industry experts.

Stock Availability

Our customers benefit from short lead times and unrivalled stock availability on an extensive range of fume fans. We're confident that our stock and logistics policy enables us to maintain a position that will provide continuity of business and a cost effective solution to industrial corrosion resistant fan procurement.

Customer Support

From enquiry through to delivery and after-sales care, our team will provide any technical support you may need. Our team have a thorough knowledge of corrosive atmospheres.



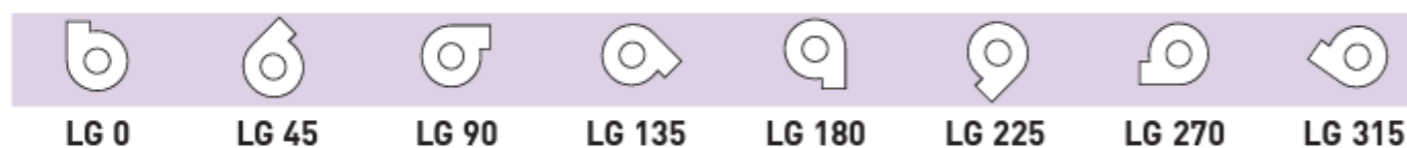
Handings by Fan Model - ST Range

All handings are viewed from the inlet side and are 45 degrees adjustable.
Always check the available discharge handings for your specific fan model.

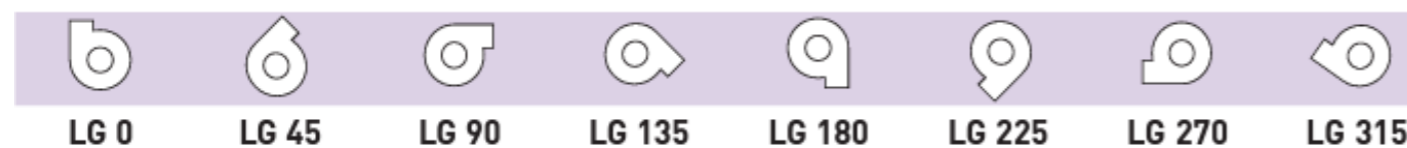
ST10 - LG Position Only



ST12 - LG Position Only



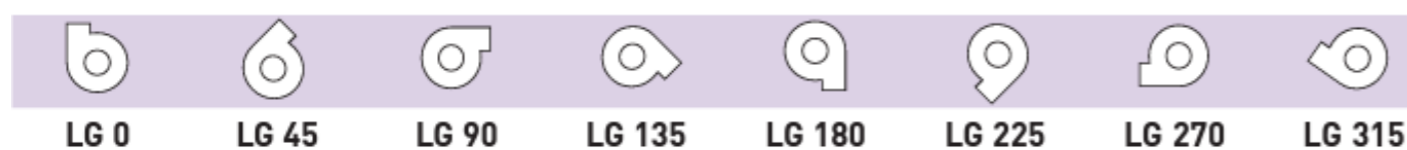
ST14 - LG Position Only



ST16 - LG Position Only



ST18 - LG Position Only

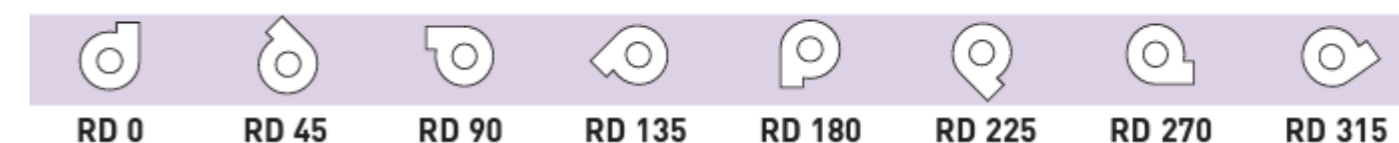
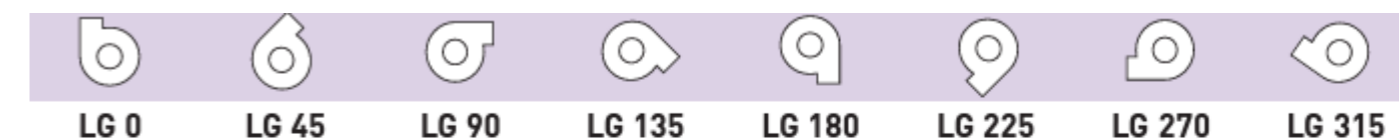


Please Note: We do not advise that any contractors change the handing themselves, this can lead to the system only achieving 30% of the duty.

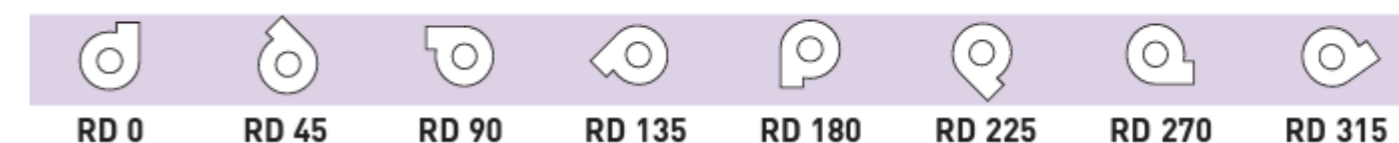
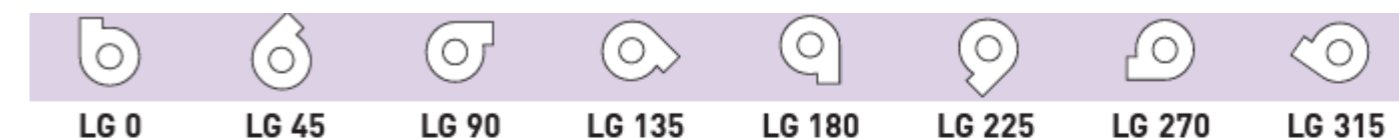
Handings by Fan Model - S Range

All handings are viewed from the inlet side and are 45 degrees adjustable.
Always check the available discharge handings for your specific fan model.

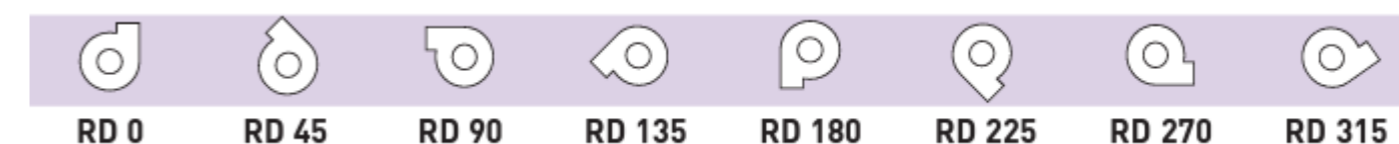
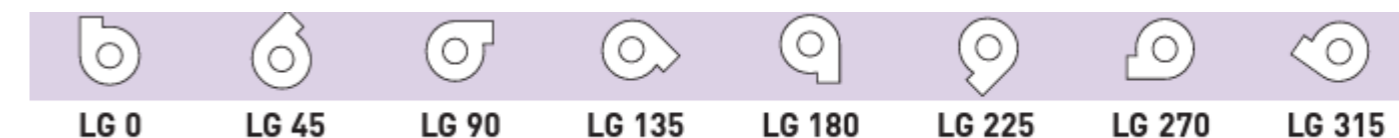
S15



S20

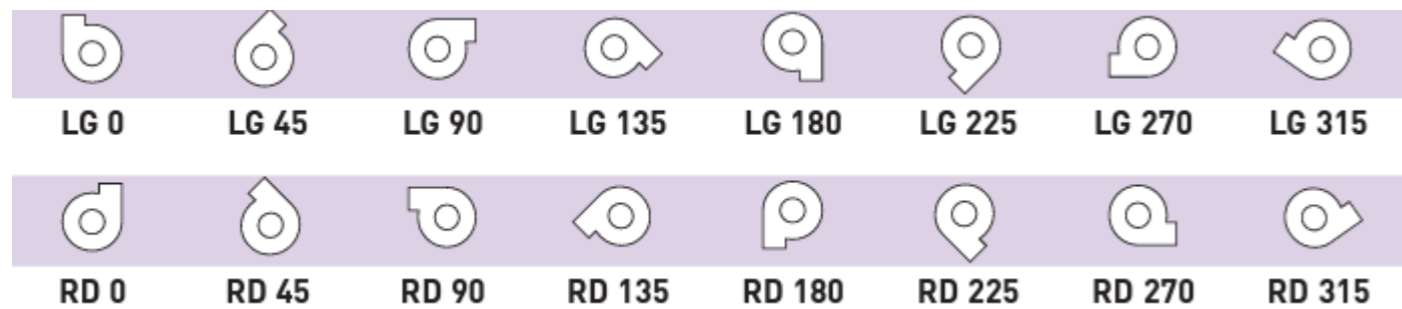


S25

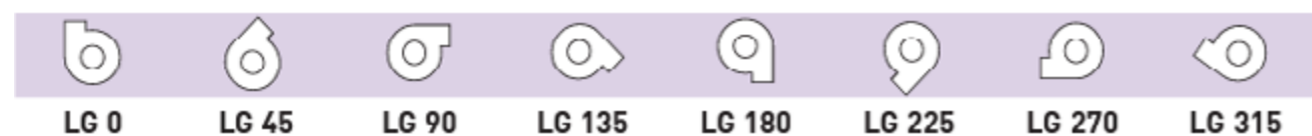


Please Note: We do not advise that any contractors change the handing themselves, this can lead to the system only achieving 30% of the duty.

S30



S35 - LG Positions Only



S50 - LG Positions Only

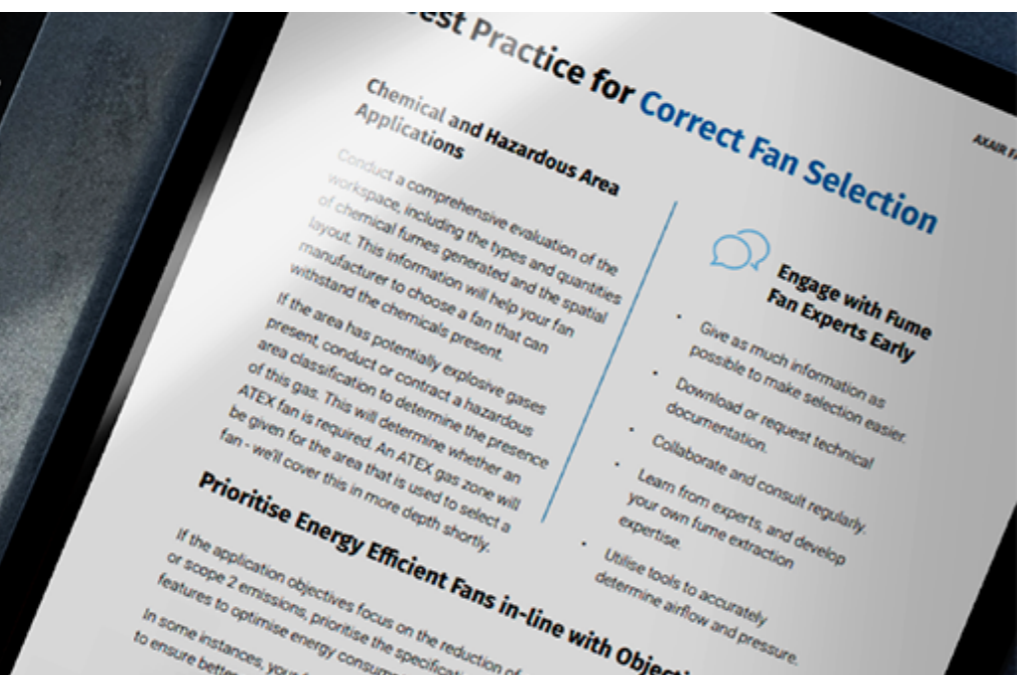


Note: ATEX certified S range fans certified to zone 2 gas are also available in the above model specific discharge handings.

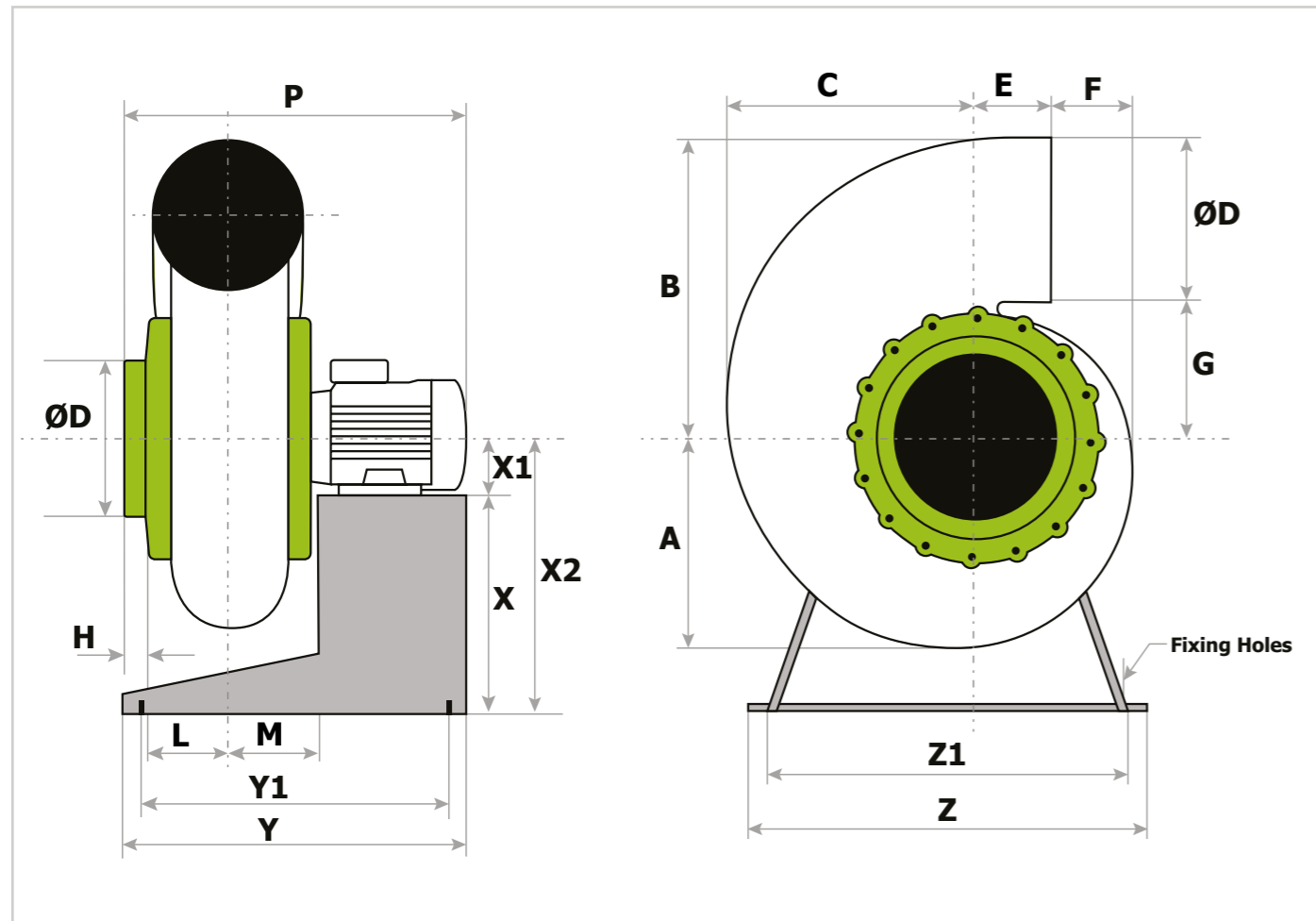
Handings Visual Representation



FREE Whitepaper
DOWNLOAD
visit www.axair-fans.co.uk



S15EC/Metal Pedestal



Dimensions

ØD	A	B	C	E	F	G	H	L	M	Y	Y1	Z	Z1
125	170	240	203	100	32	115	30	70	80	350	250	410	350

Motor Size	Motor	X	X1	X2	P
0.6kW	'71' frame	280	71	351	400
1.2kW	'71' frame	280	71	351	400

Motor dimensions may vary according to source.

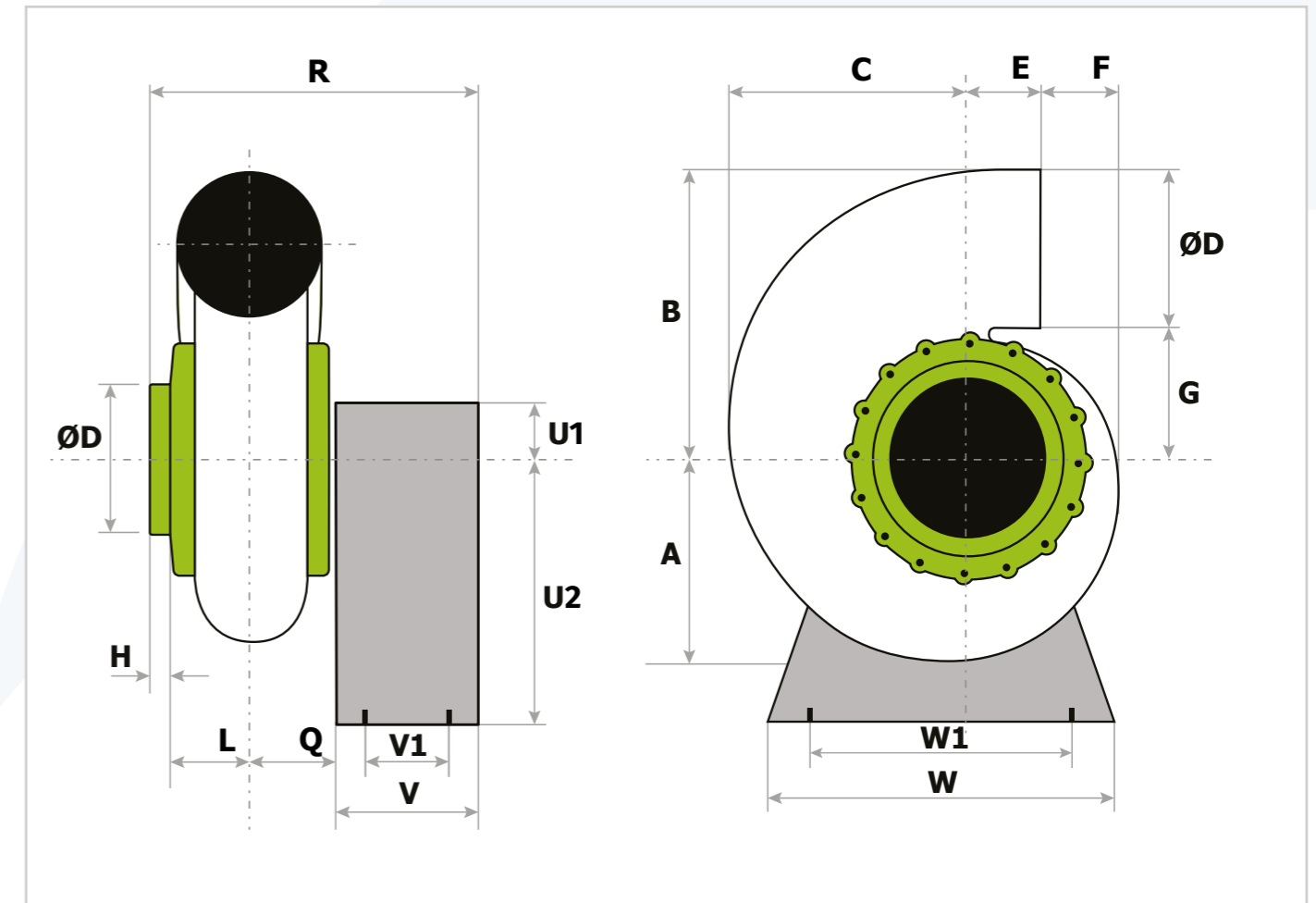
Handing & Orientation

All handings are viewed from the inlet side and are 45 degrees adjustable. Always check the available discharge handings for your specific fan model, see pages 4-7 for reference.

Performance curves on p10&11

Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.

S15EC/Box Pedestal



Dimensions

ØD	A	B	C	E	F	G	H	L	Q
125	170	240	203	100	32	115	30	70	80

Motor Size	Motor	R	U1	U2	V	V1	W	W1
0.6kW	'71' frame	530	81	369	340	267	410	318
1.2kW	'71' frame	530	81	369	340	267	410	318

Motor dimensions may vary according to source.

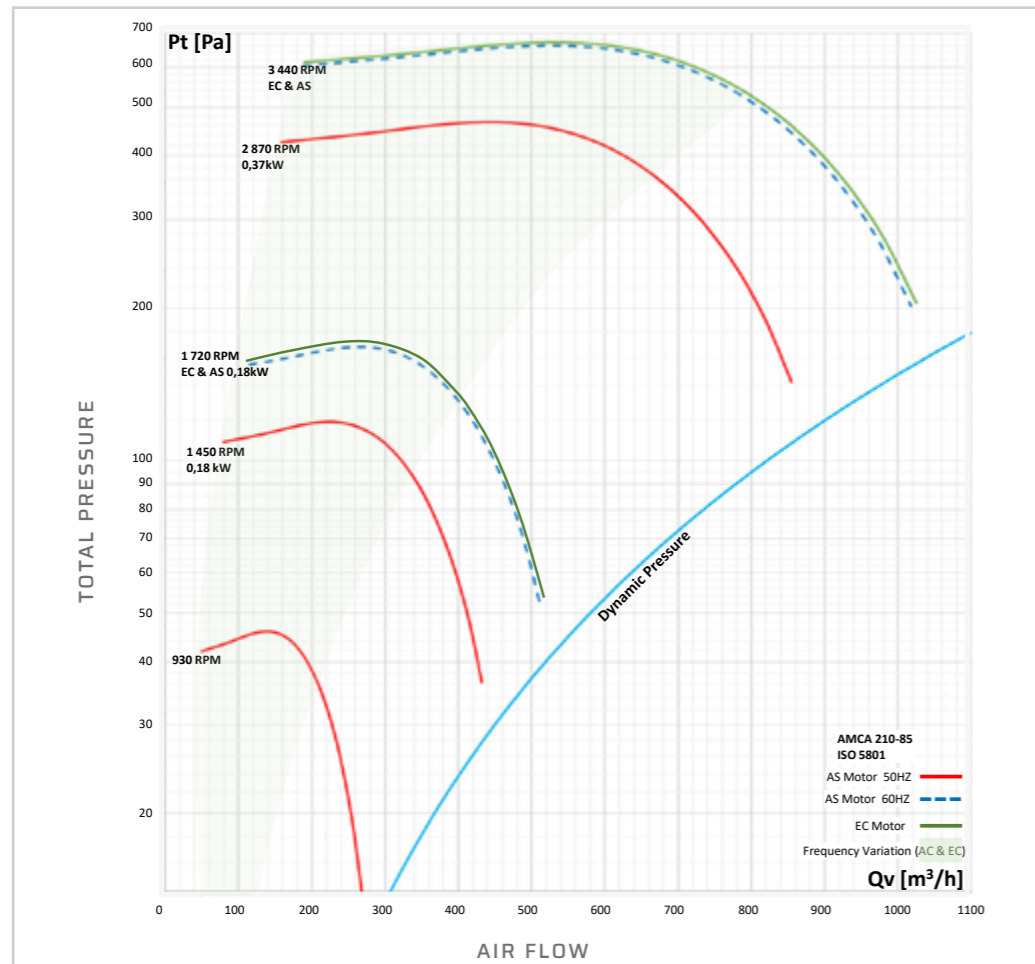
Handing & Orientation

All handings are viewed from the inlet side and are 45 degrees adjustable. Always check the available discharge handings for your specific fan model, see pages 4-7 for reference.

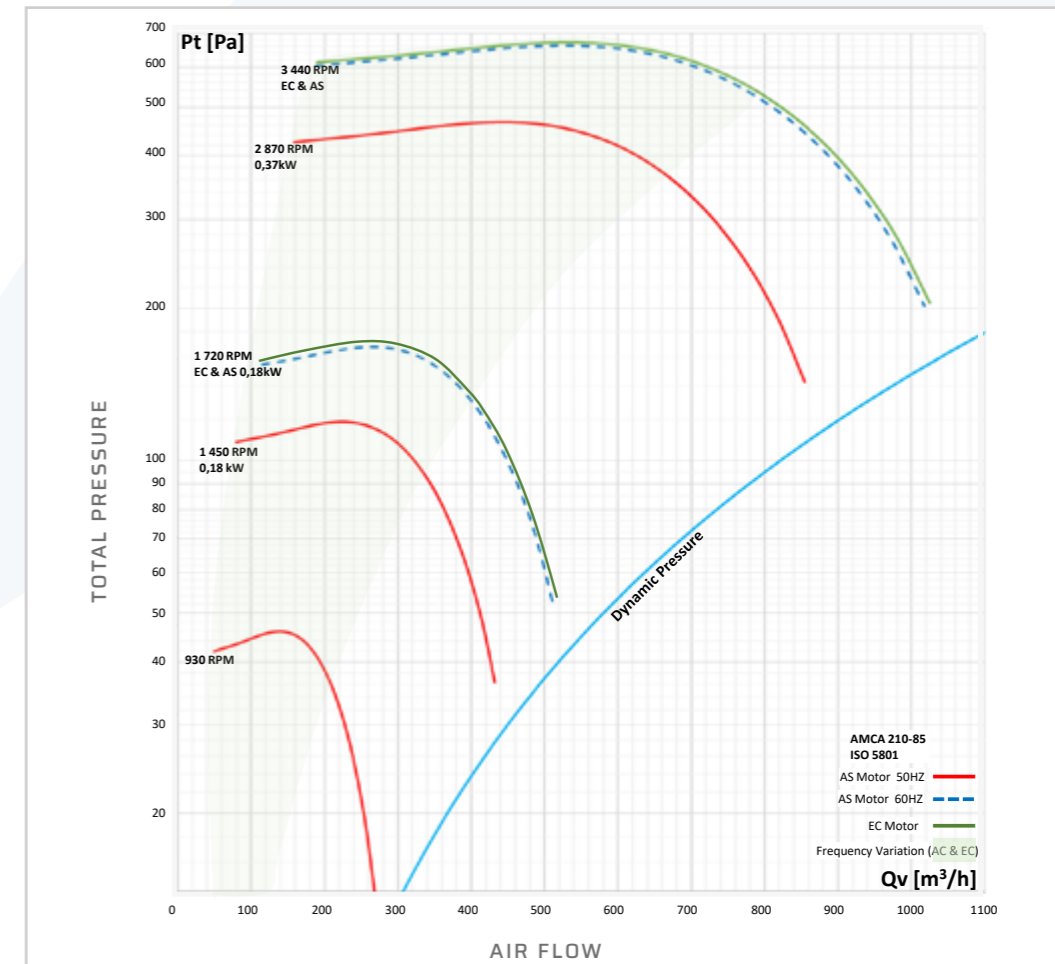
Performance curves on p10&11

Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.

S15EC 1~ Performance Curve



S15EC 3~ Performance Curve



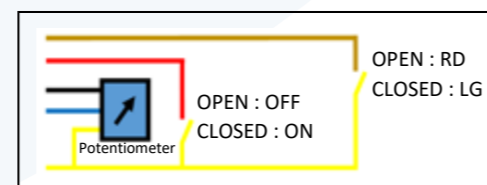
Technical Data

Motor	Power (kW)	Motor RPM	Voltage (V)	Max. Current	Weight (kg)
IP65 EC 1~	0.6	1720	220/277	4.30	8.3
IP65 EC 1~	0.6	2500	220/277	4.30	8.3

Box Pedestal & Fan Weight (kg)	Metal Pedestal & Fan Weight (kg)
1 ~	1 ~
15	14.8

Control Signals

Yellow	+12 V Output
Blue	Analog input 0-10V
Black	0V Ground
White	Speed (pulse output)
Red	ON/OFF (to be connected to +12V)
Brown	Rotation RD: not connected/LG: +12V



Power

Brown	L (Phase)
Blue	N (Neutral)
Yellow/Green	Ground

Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.

Technical Data

Motor	Power (kW)	Motor RPM	Voltage (V)	Max. Current	Weight (kg)
IP66 EC 3~	1.2	3440	360/460	2.7	7.7

Control Signals

Terminal	Description	
1	+24V (20 mA max)	
2	DI1 ON/OFF (to be connected to +24V)	
3	DI2 Rotation Direction	
4	DI3 Not connected	
5	+10V (20 mA max)	Potentiometer+
6	Analog input 0-10V	Wiper
7	0V (GND/Commun)	Potentiometer-
8	Analog output 0-10V	
9	0V (Ground)	
10/11	Output relay NO 6A/250V AC, 5A/30V DC Closed : Drive Healthy / Open : Faulty	

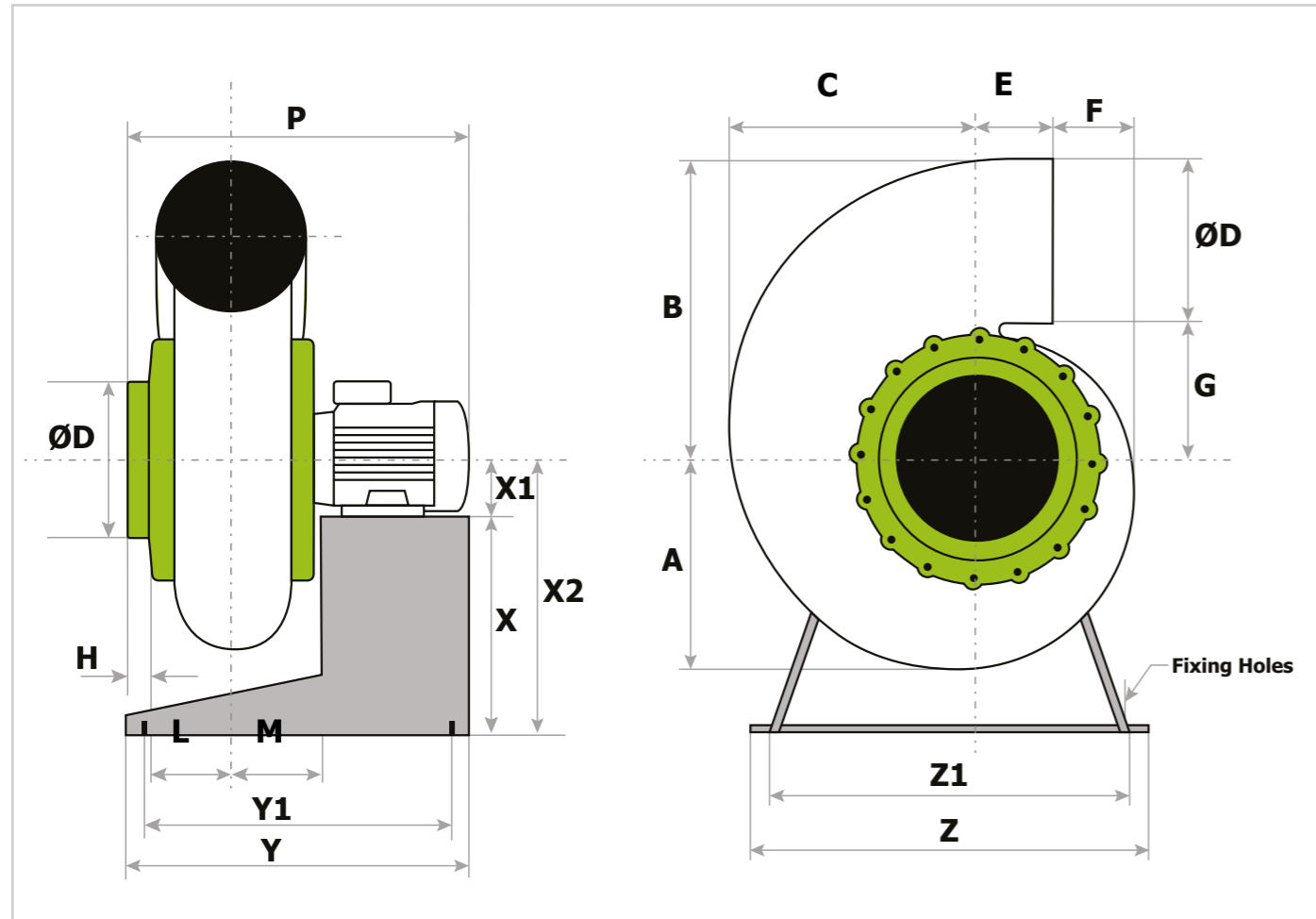
Box Ped & Fan Weight (kg)	Metal Ped & Fan Weight (kg)
3 ~	3 ~
12.2	15.4

Incoming power	L1/L2/L3+PE 400V
----------------	------------------

Motor Connections	UVW Star Y Connection
-------------------	-----------------------

Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.

S15EC Mono 2500 T/min/Metal Pedestal



Dimensions

ØD	A	B	C	E	F	G	H	L	M	Y	Y1	Z	Z1
125	170	240	203	100	32	115	30	70	80	350	250	410	350

Motor Size	Motor	X	X1	X2	P
0.45kW	'71' frame	280	71	351	400

Motor dimensions may vary according to source.

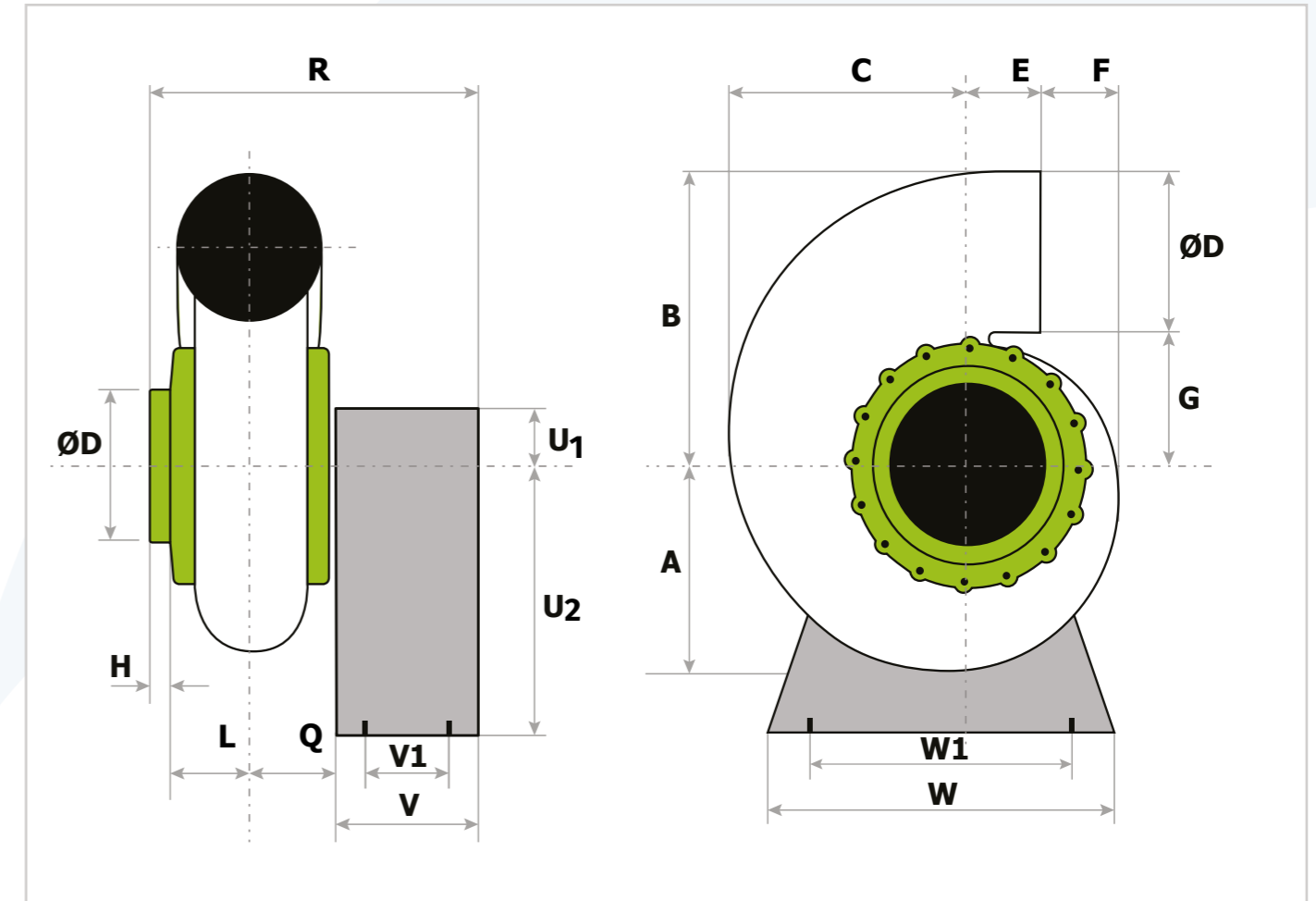
Performance curves on p14

Handing & Orientation

All handings are viewed from the inlet side and are 45 degrees adjustable. Always check the available discharge handings for your specific fan model, see pages 4-7 for reference.

Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.

S15EC Mono 2500 T/min/Box Pedestal



Dimensions

ØD	A	B	C	E	F	G	H	L	Q
125	170	240	203	100	32	115	30	70	80

Motor Size	Motor	R	U1	U2	V	V1	W	W1
0.45W	'71' frame	530	81	369	340	267	410	318

Motor dimensions may vary according to source.

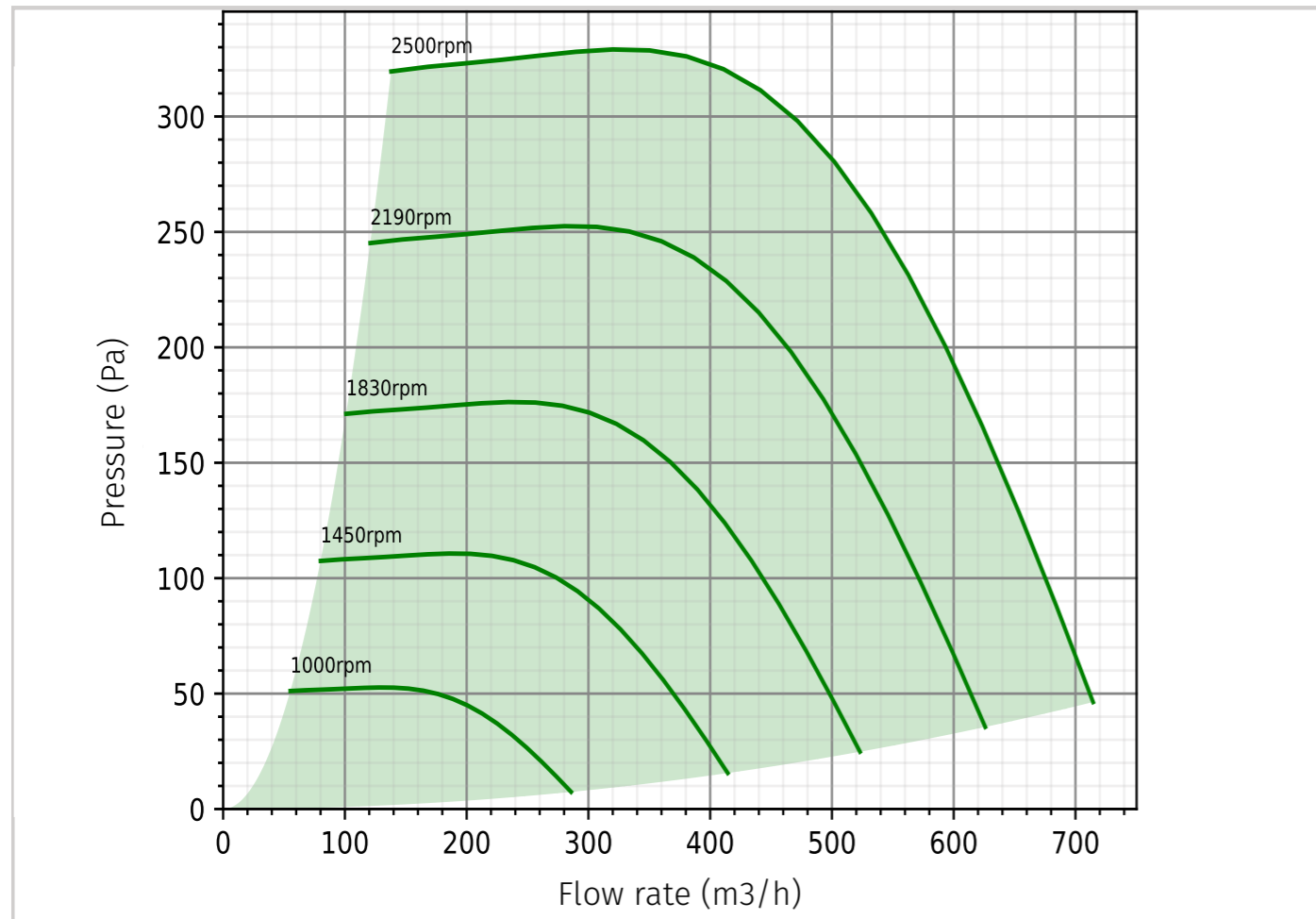
Handing & Orientation

All handings are viewed from the inlet side and are 45 degrees adjustable. Always check the available discharge handings for your specific fan model, see pages 4-7 for reference.

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Performance curves on p14

S15EC Mono 2500 T/min 1~ Performance Curve



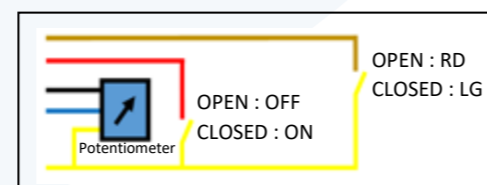
Technical Data

Max. Speed	Min. Speed	Max. Pressure	Max. Airflow	Motor power	Voltage	Max. Current
2500T/min	300T/min	330Pa	600m3/h	0.45W	220 - 277V	3.2A

Box Pedestal & Fan Weight (kg)	Metal Pedestal & Fan Weight (kg)
1 ~	1 ~
15	14.8

Control Signals

Yellow	+12 V Output
Blue	Analog input 0-10V
Black	0V Ground
White	Speed (pulse output)
Red	ON/OFF (to be connected to +12V)
Brown	Rotation RD: not connected/LG: +12V
Green/Grey	Do not use

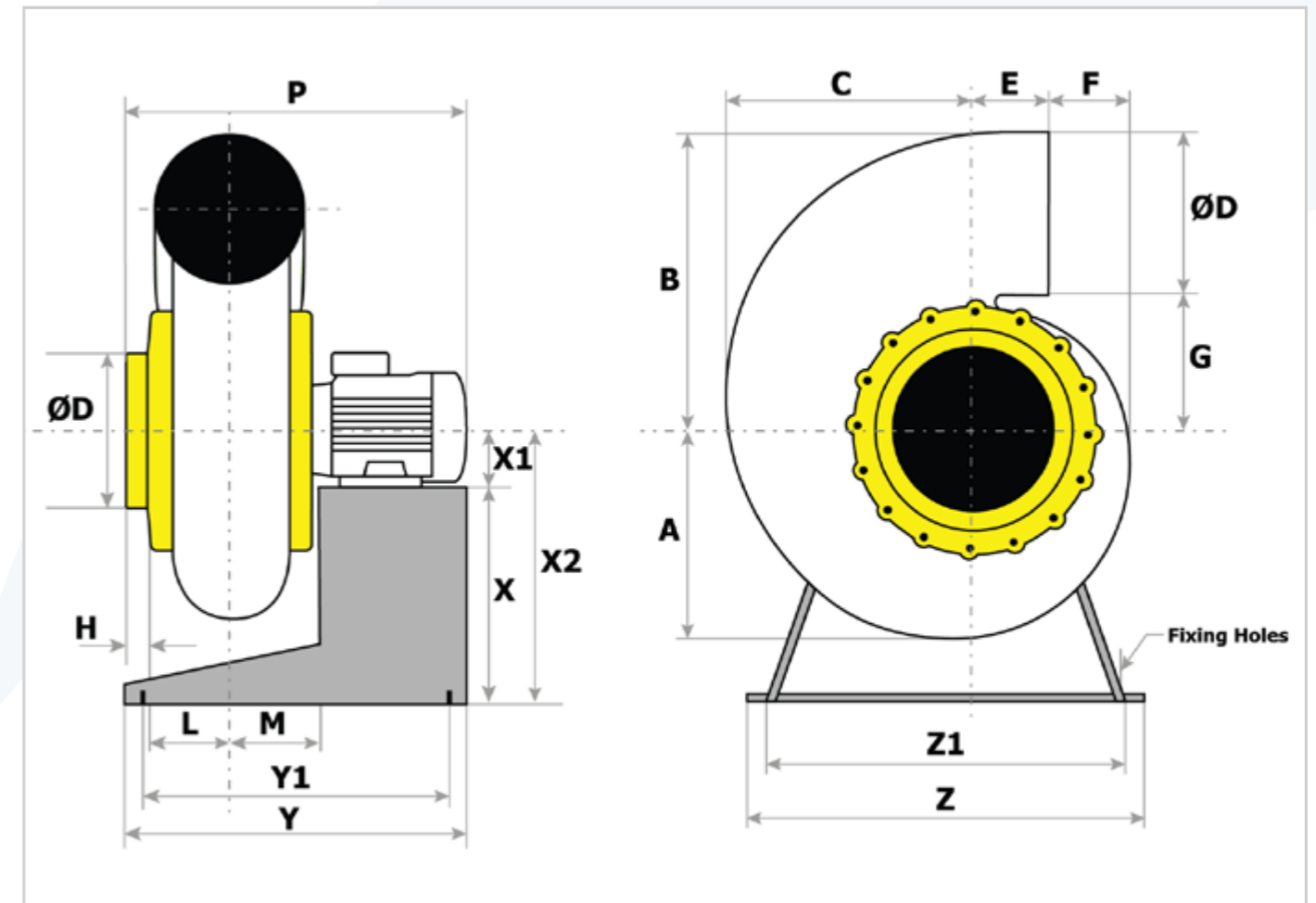


Power

Brown	L (Phase)
Blue	N (Neutral)
Yellow/Green	Ground

Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.

S20EC/Metal Pedestal



Dimensions

ØD	A	B	C	E	F	G	H	L	M	Y	Y1	Z	Z1
160	208	303	240	100	57	143	32	84	94	350	250	410	350

Motor Size	Motor	X	X1	X2	P
0.6kW	'71' frame	280	71	351	415
1.2kW	'71' frame	280	71	351	415

Motor dimensions may vary according to source.

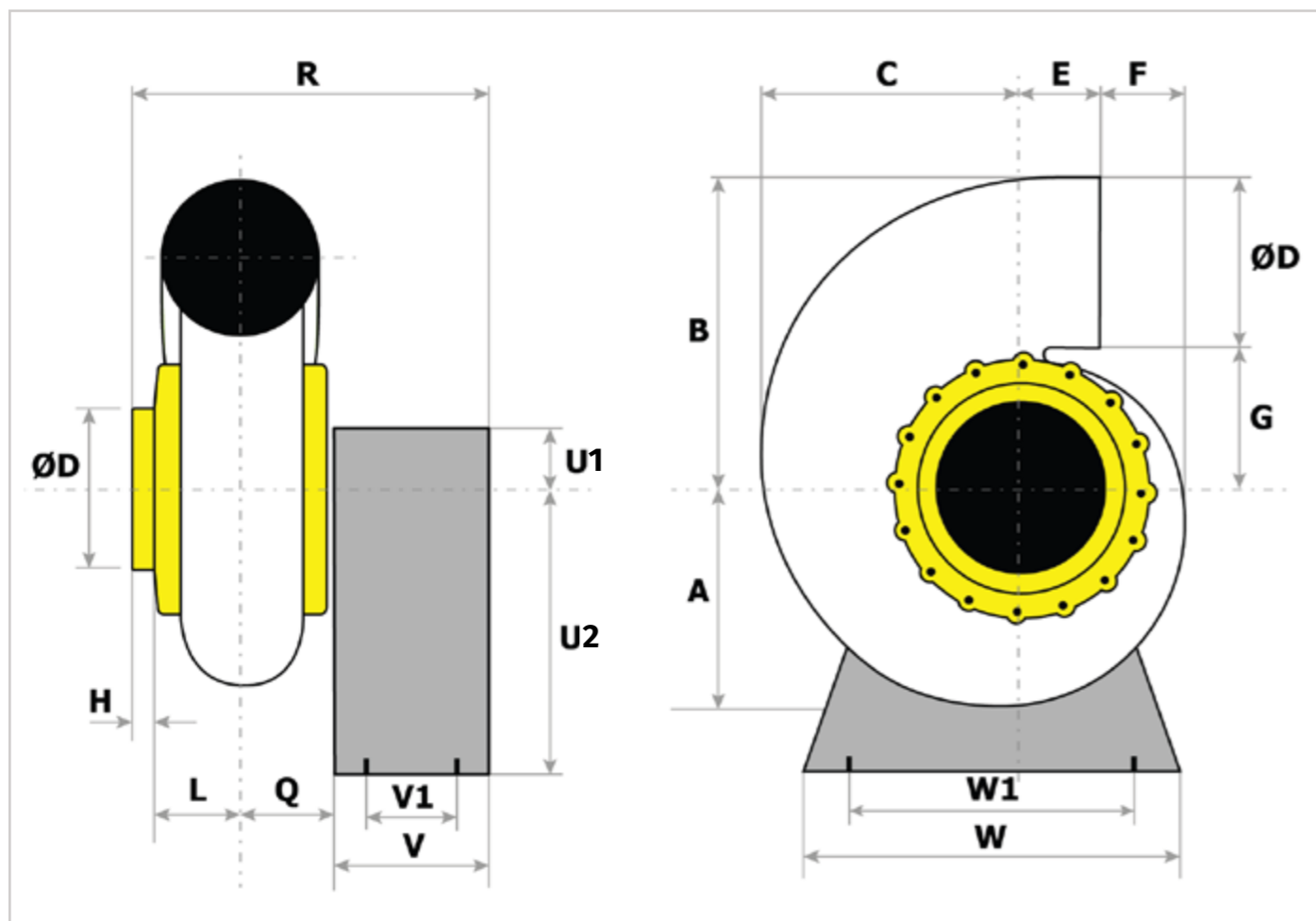
Handing & Orientation

All handings are viewed from the inlet side and are 45 degrees adjustable. Always check the available discharge handings for your specific fan model, see pages 4-7 for reference.

Performance curves on p17&18

Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.

S20EC/Box Pedestal



Dimensions

ØD	A	B	C	E	F	G	H	L	Q
160	208	303	240	100	57	143	32	84	90

Motor Size	Motor	R	U1	U2	V	V1	W	W1
0.6kW	'71' frame	552	81	369	340	267	410	318
1.2kW	'71' frame	552	81	369	340	267	410	318

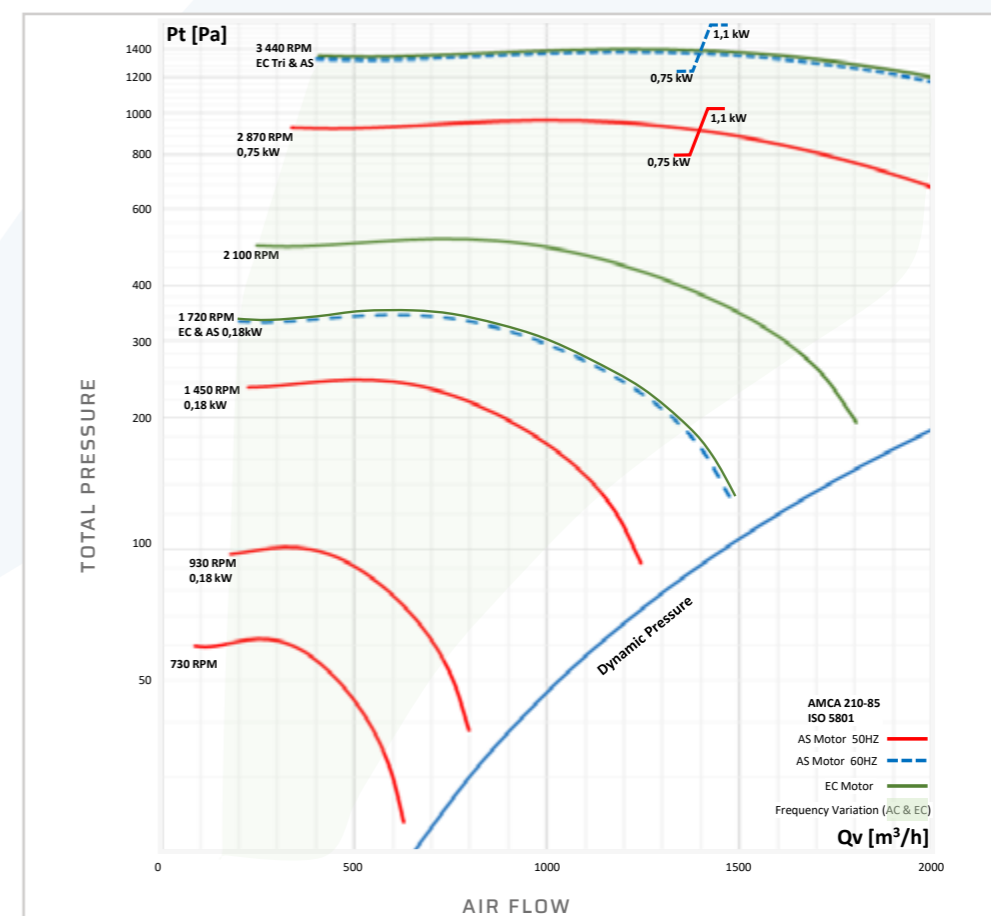
Motor dimensions may vary according to source.

Handing & Orientation

All handings are viewed from the inlet side and are 45 degrees adjustable. Always check the available discharge handings for your specific fan model, see pages 4-7 for reference.

Performance curves on p17&18

S20EC 1~ Performance Curve



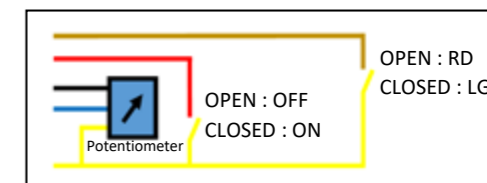
Technical Data

Motor	Power (kW)	Motor RPM	Voltage (V)	Max. Current	Weight (kg)
IP65 EC 1~	0.6	1720	220/277	4.30	9.2
IP65 EC 1~	0.6	2100	220/277	4.30	8.3

Box Pedestal & Fan Weight (kg)	Metal Pedestal & Fan Weight (kg)
1 ~	1 ~
17	15.9

Control Signals

Yellow	+12V Output
Blue	Analog input 0-10V
Black	0V Ground
White	Speed (pulse output)
Red	ON/OFF (to be connected to +12V)
Brown	Rotation RD :not connected/LG: +12V
Green/Grey	Do not use



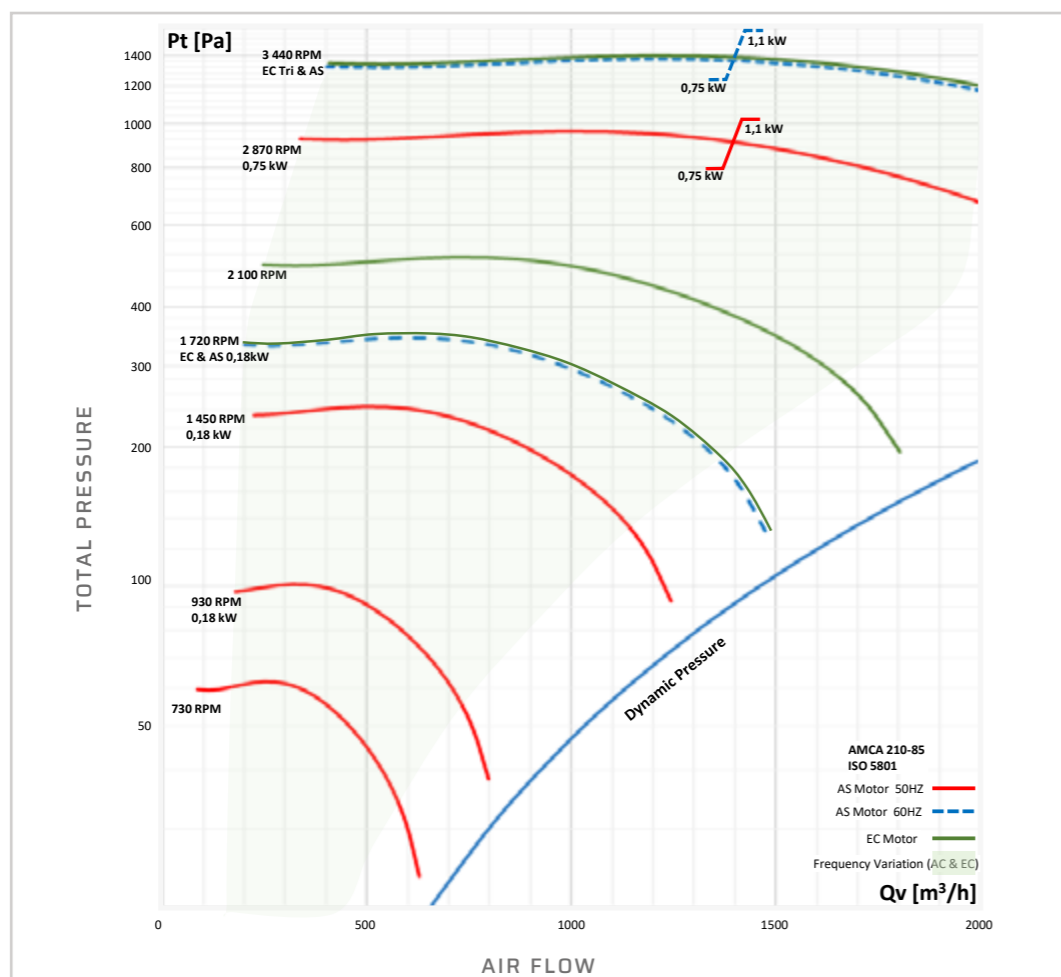
Power

Brown	L (Phase)
Blue	N (Neutral)
Yellow/Green	Ground

Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.

Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.

S20EC 3~ Performance Curve



Technical Data

Motor	Power (kW)	Motor RPM	Voltage (V)	Max. Current	Weight (kg)
IP66 EC 3~	1.2	3440	360/460	2.7	9

Control Signals

Terminal	Description	
1	+24V (20 mA max)	
2	DI1 ON/OFF (to be connected to +24V)	
3	DI2 Rotation Direction	
4	DI3 Not connected	
5	+10V (20 mA max)	Potentiometer+
6	Analog input 0-10V	Wiper
7	0V (GND/Commun)	Potentiometer-
8	Analog output 0-10V	
9	0V (Ground)	
10/11	Output relay NO 6A/250V AC, 5A/30V DC Closed : Drive Healthy / Open : Faulty	

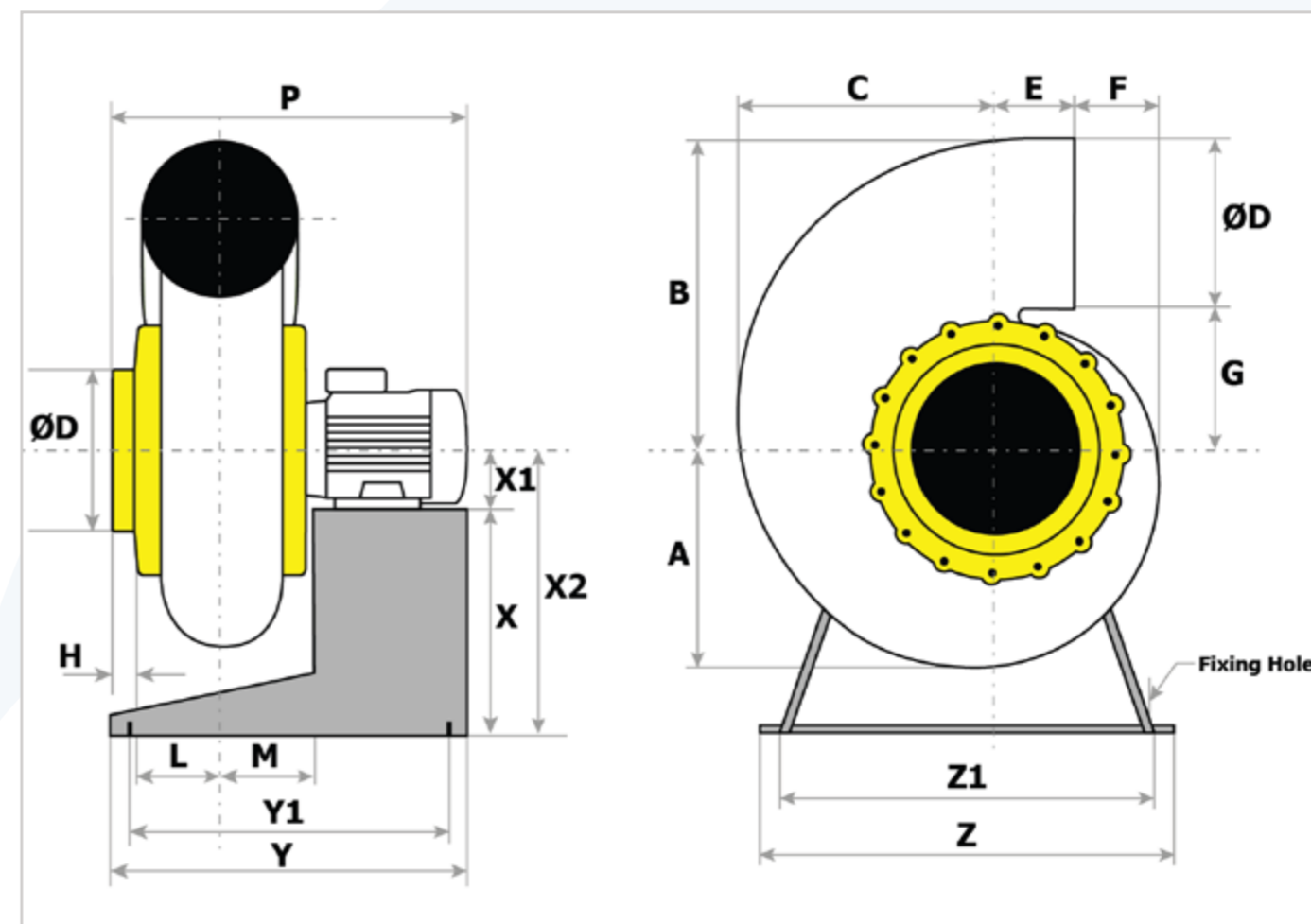
Box Ped & Fan Weight (kg)	Metal Ped & Fan Weight (kg)
3 ~	3 ~
20	16.5

Incoming power	L1/L2/L3+PE 400V
----------------	------------------

Motor Connections	UVW Star Y Connection
-------------------	-----------------------

Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.

S20EC Mono 2100 T/min/Metal Pedestal



Dimensions

ØD	A	B	C	E	F	G	H	L	M	Y	Y1	Z	Z1
160	208	303	240	100	57	143	32	84	94	350	250	410	350

Motor Size	Motor	X	X1	X2	P
0.45kW	'71' frame	240	71	311	415

Motor dimensions may vary according to source.

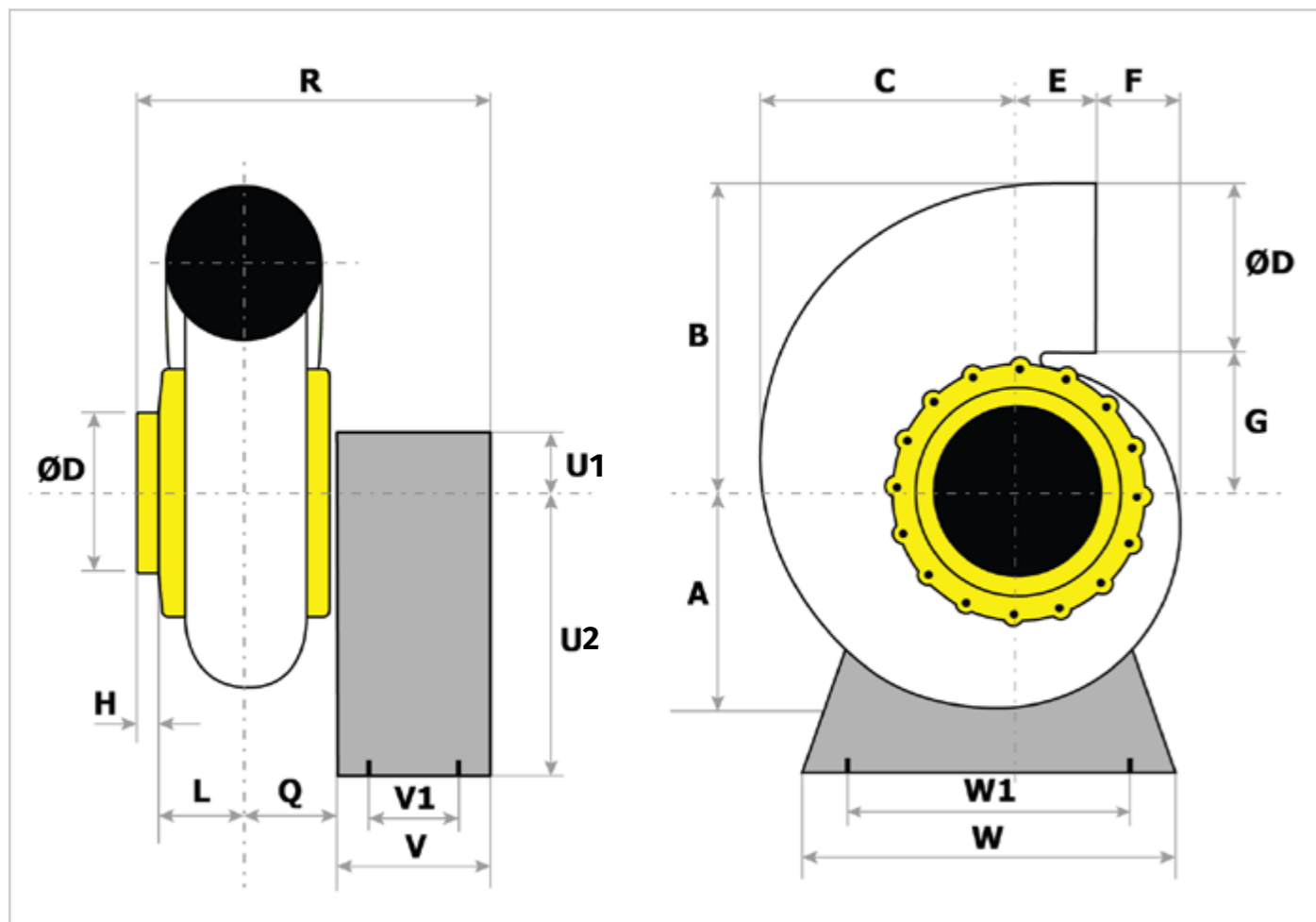
Performance curves on p21

Handing & Orientation

All handings are viewed from the inlet side and are 45 degrees adjustable. Always check the available discharge handings for your specific fan model, see pages 4-7 for reference.

Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.

S20EC Mono 2100 T/min/Box Pedestal



Dimensions

ØD	A	B	C	E	F	G	H	L	Q
160	208	303	240	100	57	143	32	84	90

Motor Size	Motor	R	U1	U2	V	V1	W	W1
0.45kW	'71' frame	552	81	369	340	267	410	318

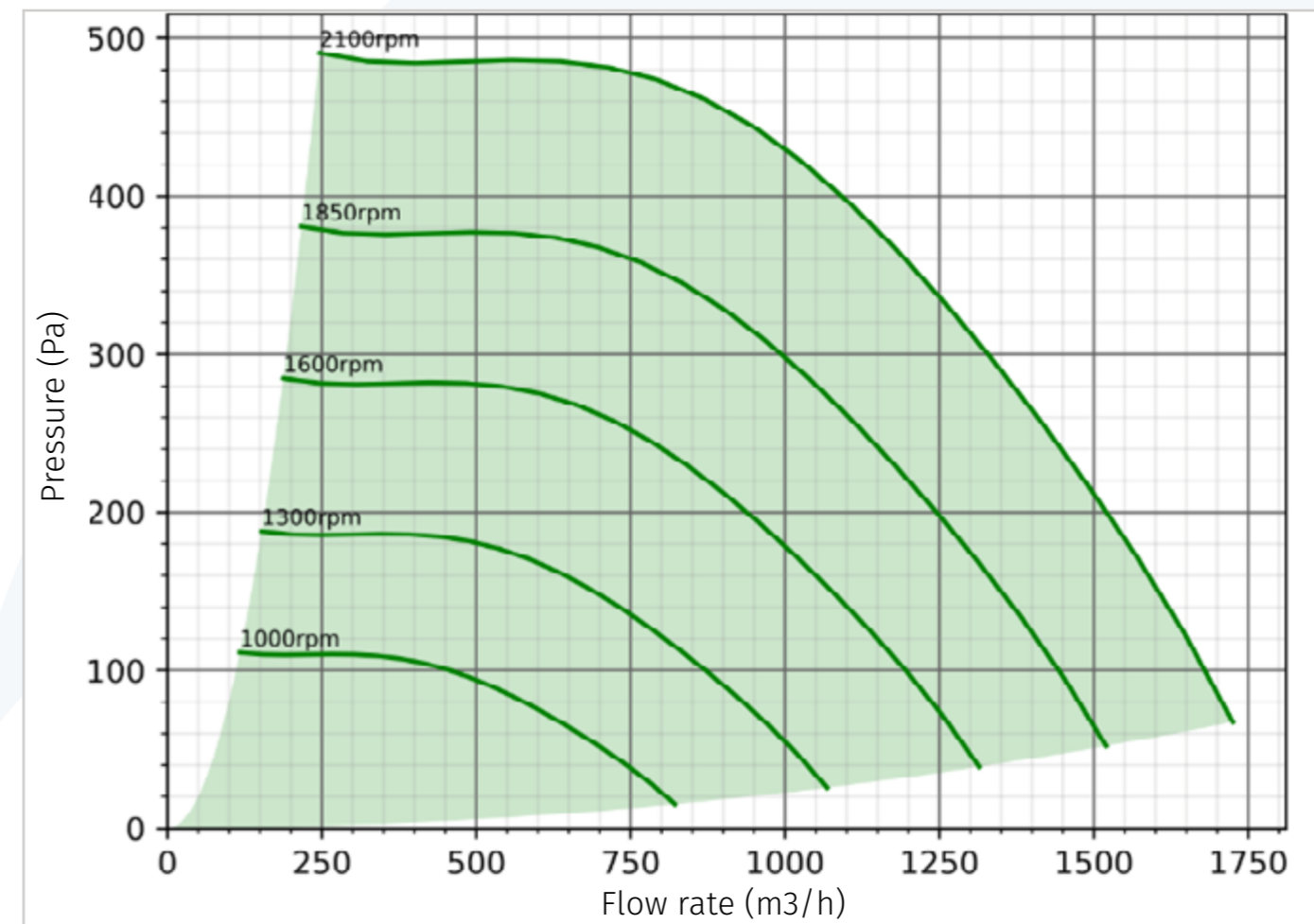
Motor dimensions may vary according to source.

Handing & Orientation

All handings are viewed from the inlet side and are 45 degrees adjustable. Always check the available discharge handings for your specific fan model, see pages 4-7 for reference.

Performance curves on p21

S20EC Mono 2100 T/min/ Performance Curve



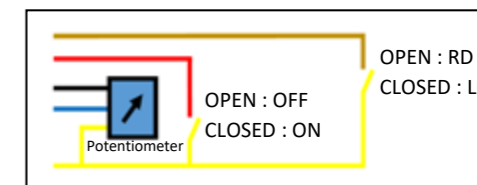
Technical Data

Max. Speed	Min. Speed	Max. Pressure	Max. Airflow	Motor power	Voltage	Max. Current
2100T/min	300T/min	480Pa	1550m3/h	0.45kW	220 - 277V	3.2A

Box Pedestal & Fan Weight (kg)	Metal Pedestal & Fan Weight (kg)
1 ~	1 ~
17	15.9

Control Signals

Yellow	+12V Output
Blue	Analog input 0-10V
Black	0V Ground
White	Speed (pulse output)
Red	ON/OFF (to be connected to +12V)
Brown	Rotation RD :not connected/LG: +12V
Green/Grey	Do not use



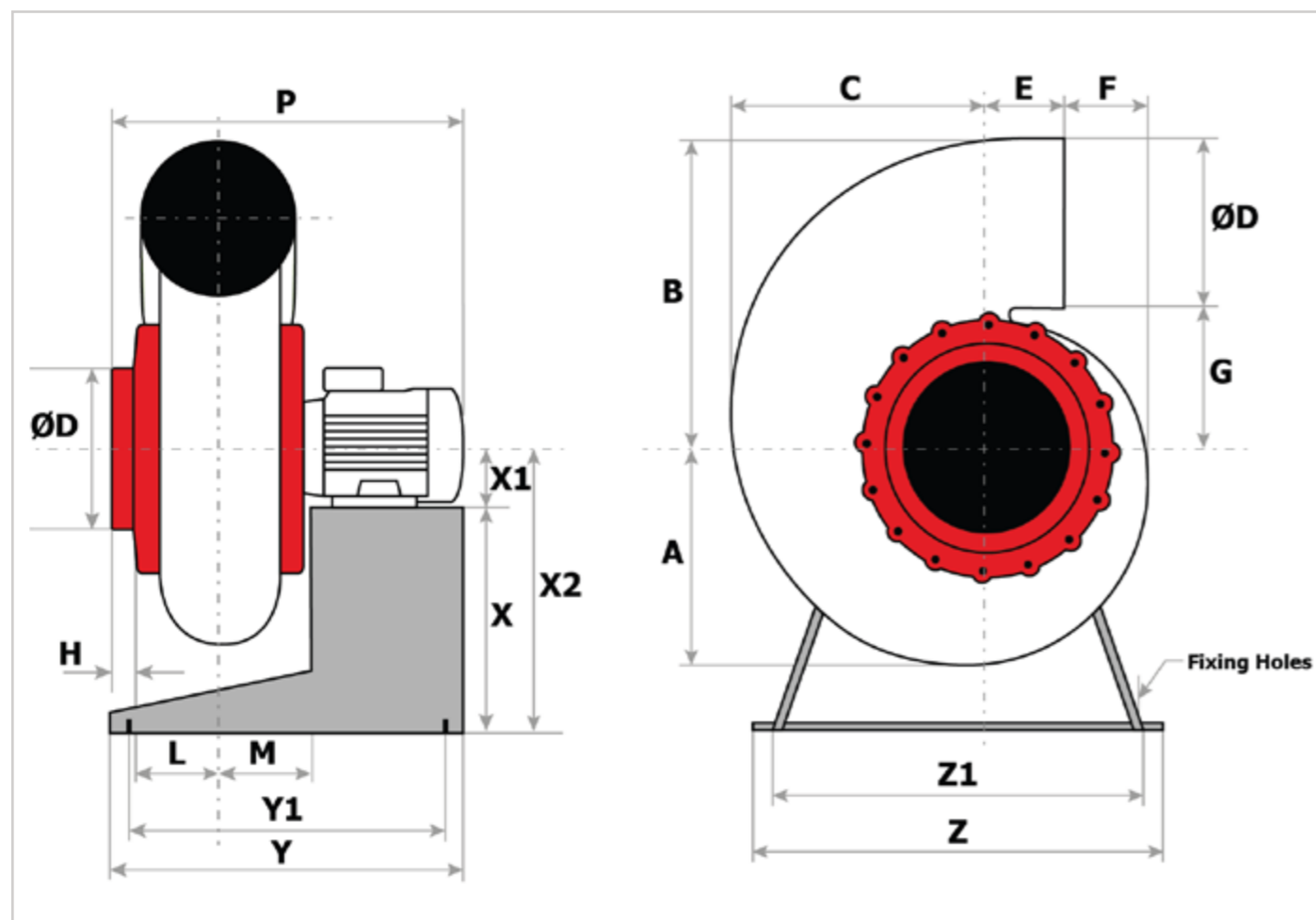
Power

Brown	L (Phase)
Blue	N (Neutral)
Yellow/Green	Ground

Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.

Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.

S25EC/Metal Pedestal



Dimensions

ØD	A	B	C	E	F	G	H	L	M	Y	Y1	Z	Z1
200	248	365	310	103	92	165	35	95	105	450	345	450	385

Motor Size	Motor	X	X1	X2	P 1~	P 3~
0.6kW	90' frame	450	90	540	455	495
2.6kW	90' frame	450	90	540	-	495

Motor dimensions may vary according to source.

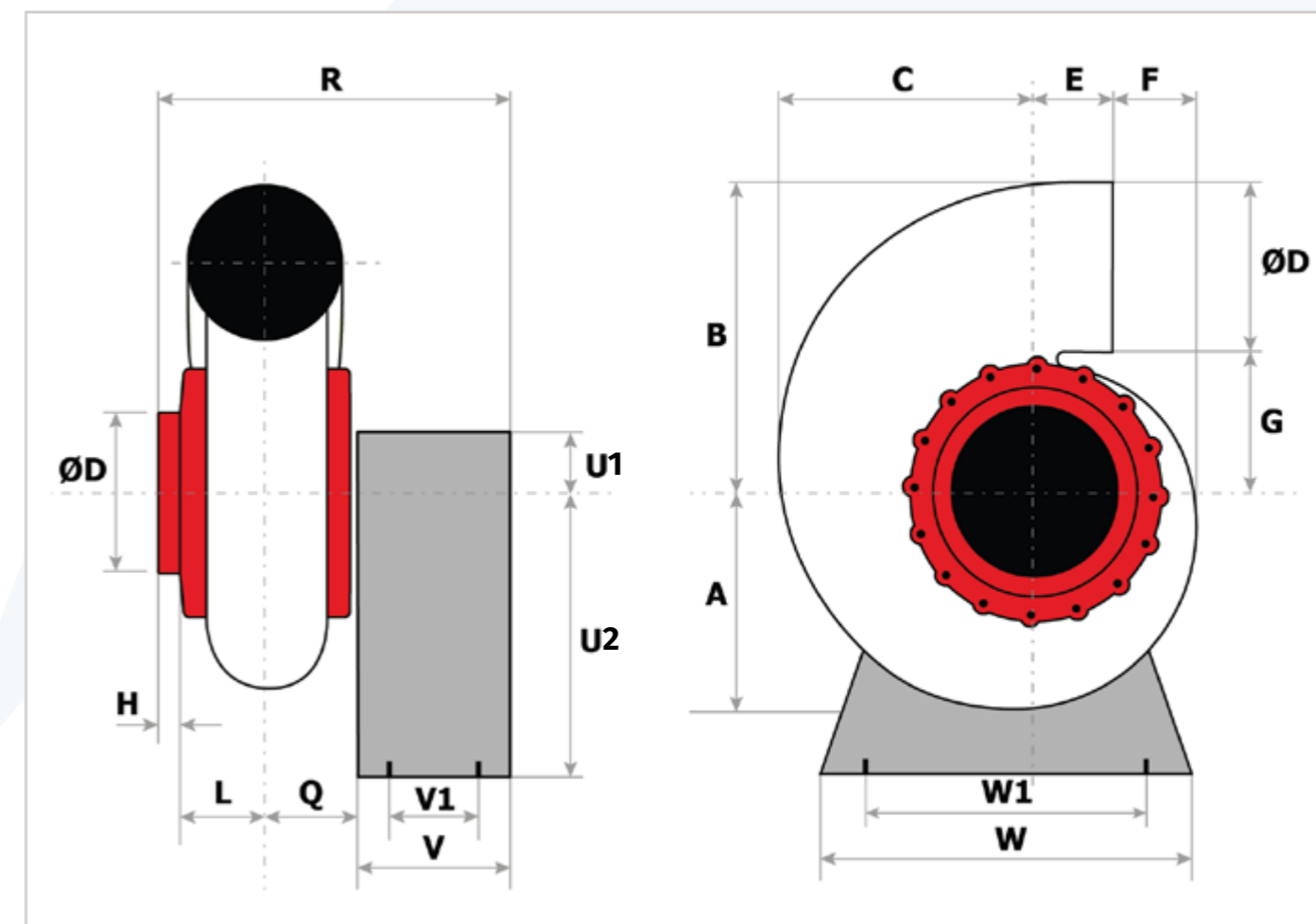
Performance curves on p24-26

Handing & Orientation

All handings are viewed from the inlet side and are 45 degrees adjustable. Always check the available discharge handings for your specific fan model, see pages 4-7 for reference.

Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.

S25EC/Box Pedestal



Dimensions

ØD	A	B	C	E	F	G	H	L
200	248	365	310	103	92	165	35	95

Motor Size	Motor	R	U	U1	V	V1	W	W1	Q
0.6kW	90' frame	610	95	455	340	267	405	330	115
2.6kW	90' frame	610	95	455	340	267	405	330	115

Motor dimensions may vary according to source.

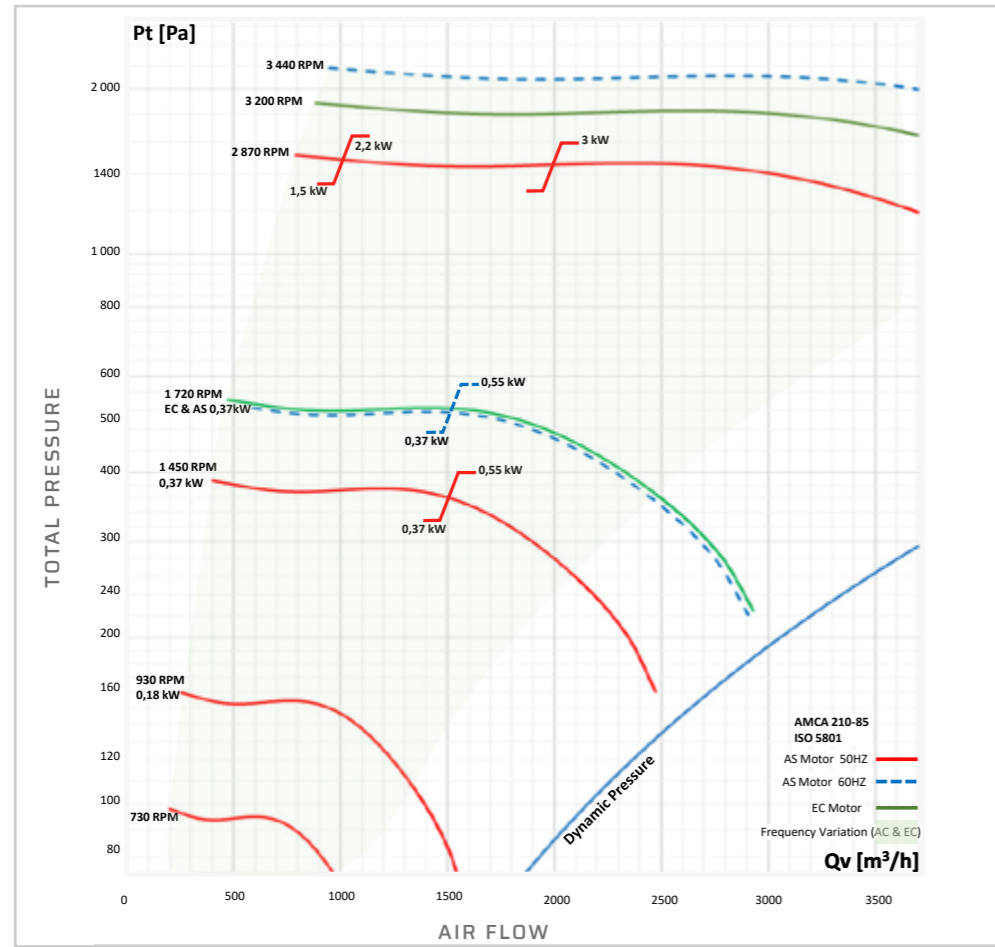
Handing & Orientation

All handings are viewed from the inlet side and are 45 degrees adjustable. Always check the available discharge handings for your specific fan model, see pages 4-7 for reference.

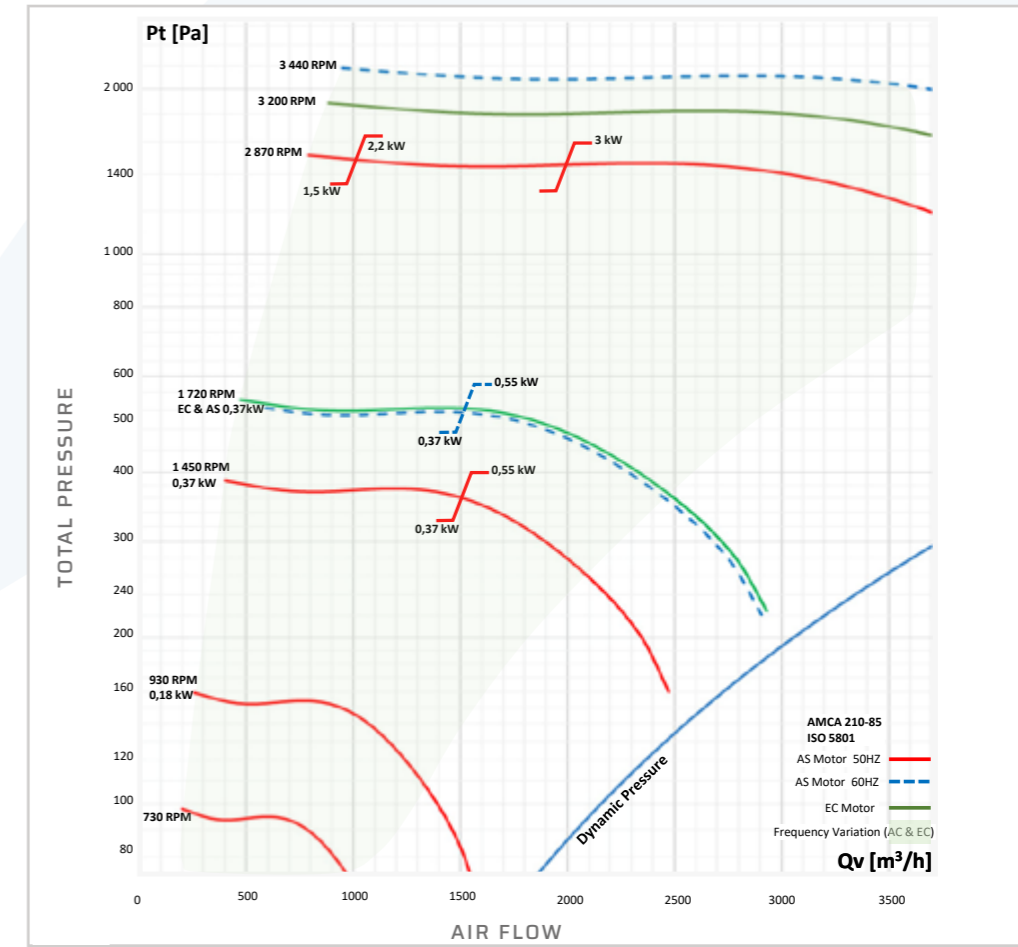
Performance curves on p24-26

Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.

S25EC 1~ Performance Curve



S25EC 3~ 1720RPM Performance Curve



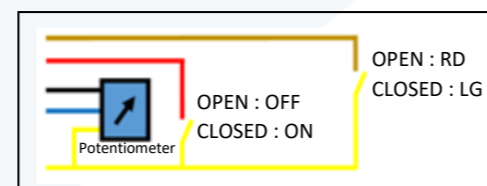
Technical Data

Motor	Power (kW)	Motor RPM	Voltage (V)	Max. Current	Weight (kg)
IP65 EC 1~	0.6	1720	220/277	4.30	11.9

Box Pedestal & Fan Weight (kg)	Metal Pedestal & Fan Weight (kg)
1 ~	1 ~
17	24

Control Signals

Yellow	+12 V Output
Blue	Analog input 0-10V
Black	0 V Ground
White	Speed (pulse output)
Red	ON / OFF (to be connected to +12V)
Brown	Rotation RD: not connected / LG: +12V
Green/Grey	Do not use



Power

Brown	L (Phase)
Blue	N (Neutral)
Yellow/Green	Ground

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Technical Data

Motor	Power (kW)	Motor RPM	Voltage (V)	Max. Current	Weight (kg)
IP66 EC 3~	0.6	1720	360/460	1.4	11.5

Control Signals

Terminal	Description	
1	+24V (20 mA max)	
2	DI1 ON / OFF (to be connected to +24V)	
3	DI2 Rotation Direction	
4	DI3 Not connected	
5	+10V (20 mA max)	Potentiometer+
6	Analog input 0-10V	Wiper
7	0V (GND/Commun)	Potentiometer-
8	Analog output 0-10V	
9	0V (Ground)	
10/11	Output relay NO 6A/250V AC, 5A/30V DC Closed : Drive Healthy / Open : Faulty	

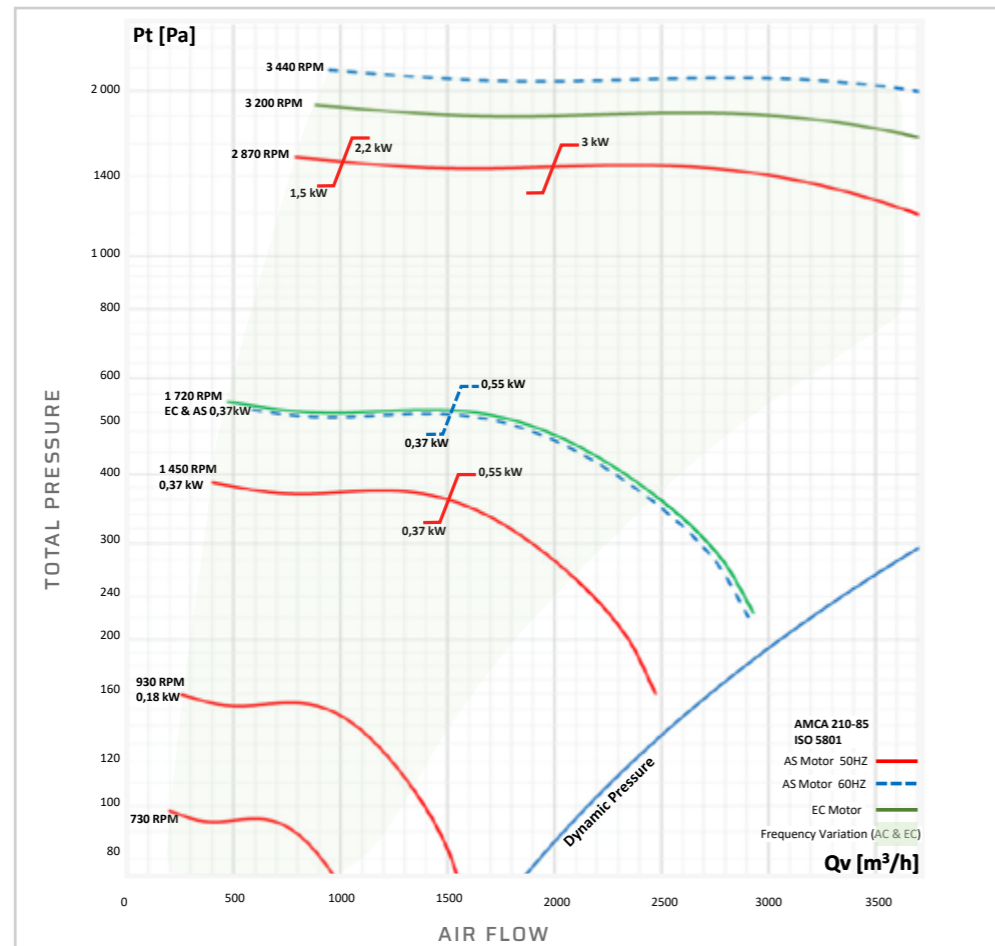
Box Ped & Fan Weight (kg)	Metal Ped & Fan Weight (kg)
3 ~ 1720RPM	3 ~ 1720RPM
20	24.2

Incoming power	L1/L2/L3+PE 400V
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Motor Connections	UVW Star Y Connection
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Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.

S25EC 3~ 3200RPM Performance Curve



Technical Data

Motor	Power (kW)	Motor RPM	Voltage (V)	Max. Current	Weight (kg)
IP66 EC 3~	2.6	3200	360/460	4.9	23.9

Control Signals

Terminal	Description	
1	+24V (20 mA max)	
2	DI1 ON/OFF (to be connected to +24V)	
3	DI2 Rotation Direction	
4	DI3 Not connected	
5	+10V (20 mA max)	Potentiometer+
6	Analog input 0-10V	Wiper
7	0V (GND/Commun)	Potentiometer-
8	Analog output 0-10V	
9	0V (Ground)	
10/11	Output relay NO 6A/250V AC, 5A/30V DC Closed: Drive Healthy/Open: Faulty	

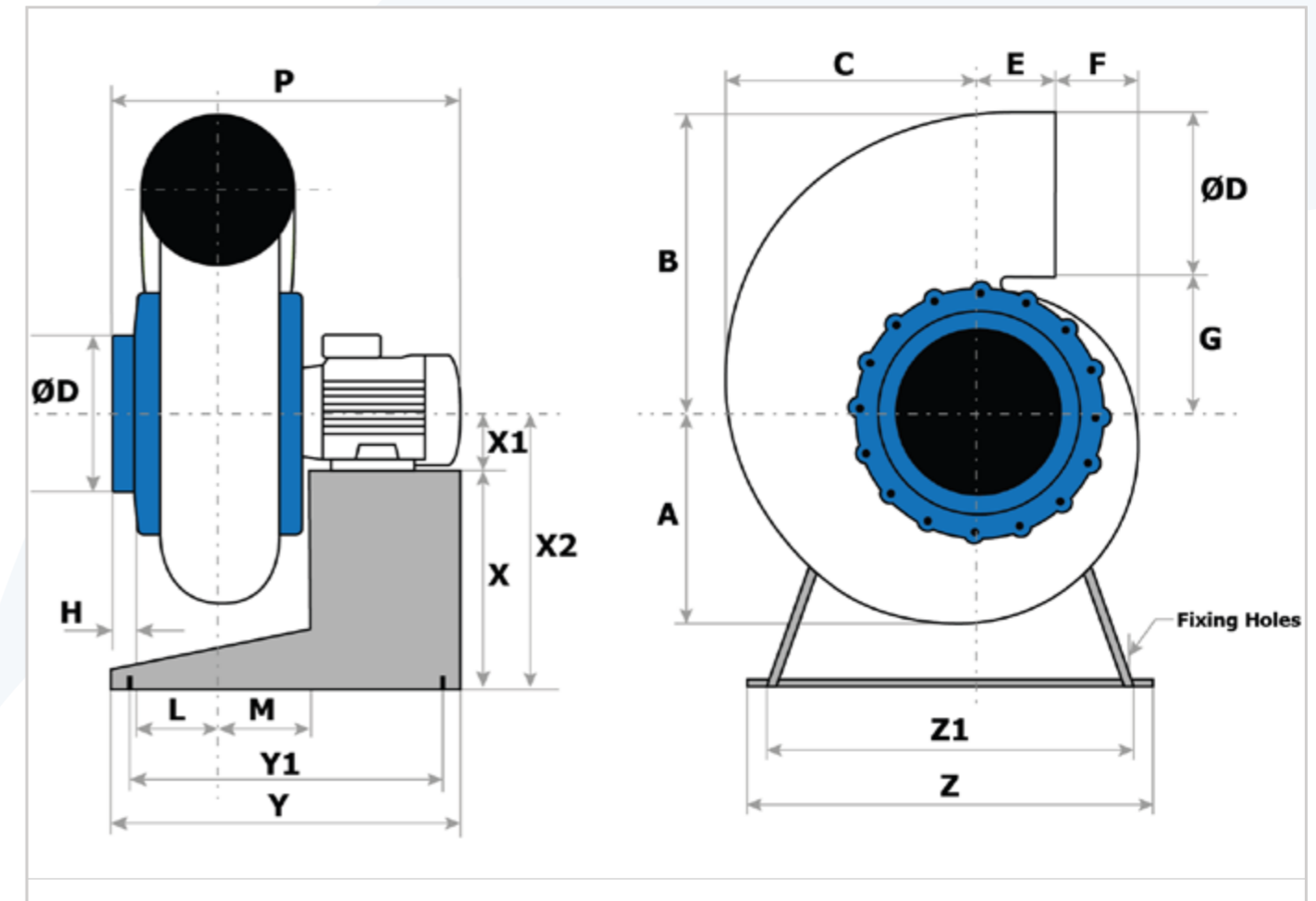
Box Ped & Fan Weight (kg)	Metal Ped & Fan Weight (kg)
3 ~ 3200RPM	3 ~ 3200RPM
30	26.6

Incoming power	L1/L2/L3+PE 400V
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Motor Connections	UVW Delta Δ Connection
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Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.

S30EC/Metal Pedestal



Dimensions

ØD	A	B	C	E	F	G	H	L	M	Y	Y1	Z	Z1
250	300	450	373	117	112	198	35	110	120	450	345	450	385

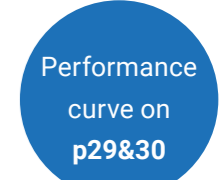
Motor Size	Motor	X	X1	X2	P
1.1kW	'90' frame	450	90	540	490
1.3kW	'90' frame	450	90	540	530

Motor dimensions may vary according to source.

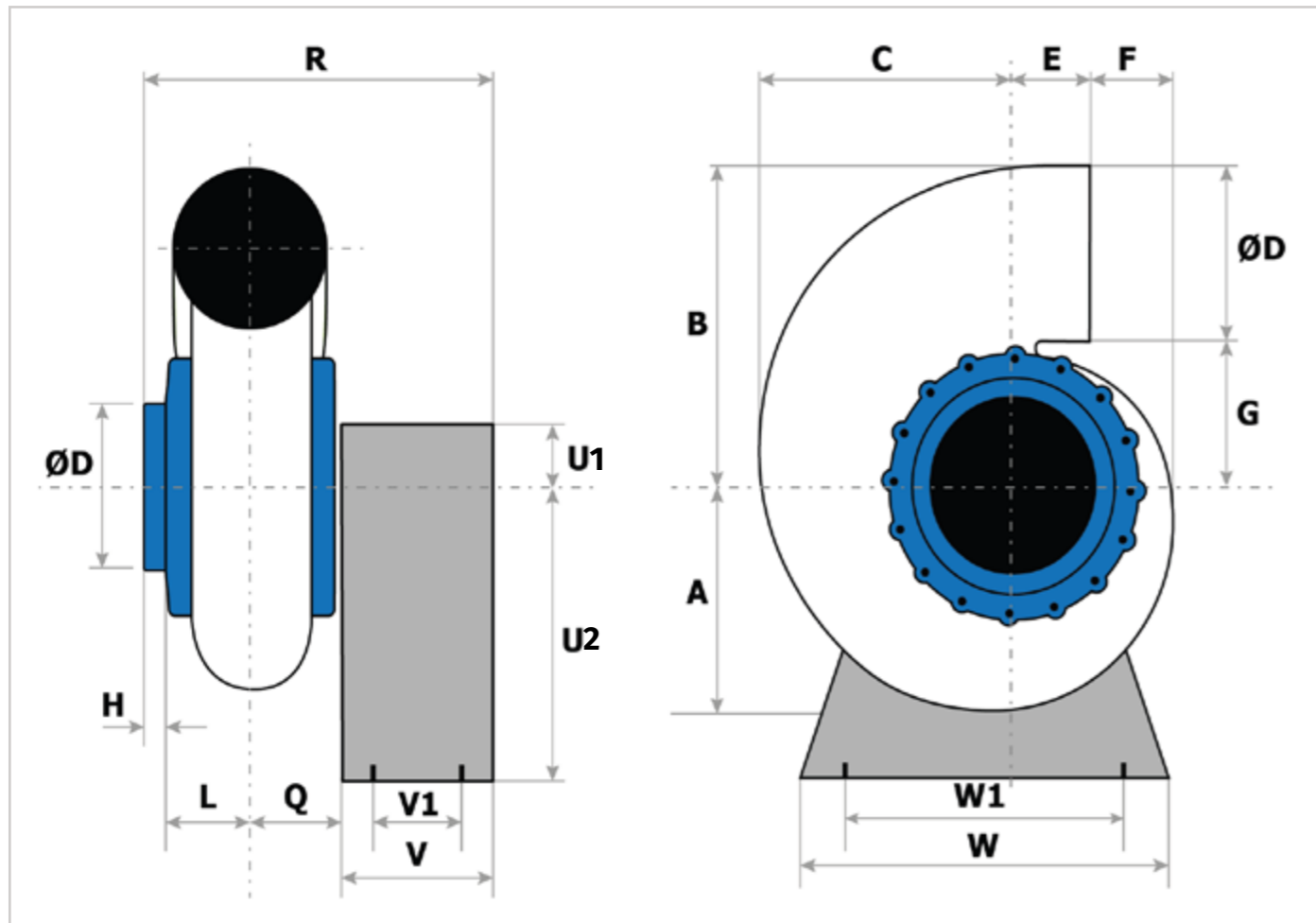
Handing & Orientation

All handings are viewed from the inlet side and are 45 degrees adjustable. Always check the available discharge handings for your specific fan model, see pages 4-7 for reference.

Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.



S30EC/Box Pedestal



Dimensions

ØD	A	B	C	E	F	G	H	L	Q
250	300	450	373	117	112	198	35	110	130

Motor Rating	Motor	R	U1	U2	V	V1	W	W1
1.1kW & 1.3kW	'90' frame	630	95	455	340	267	405	315

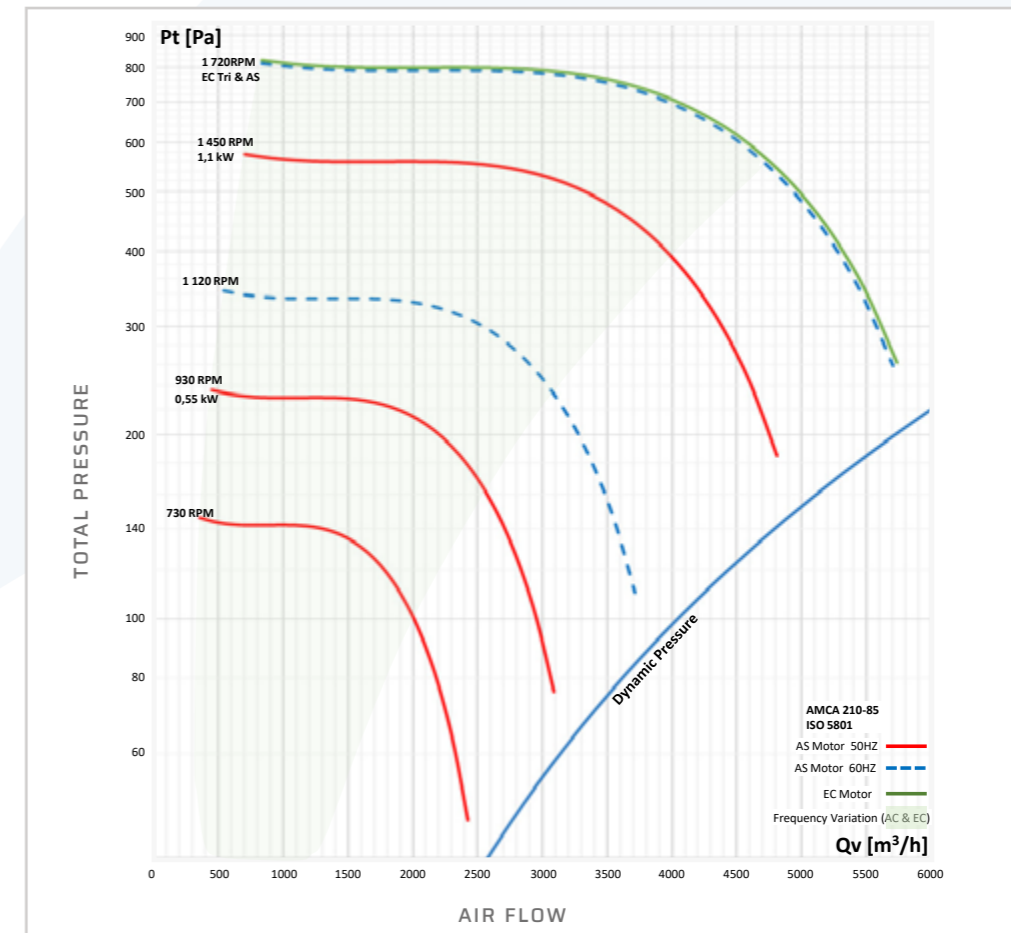
Motor dimensions may vary according to source.

Handing & Orientation

All handings are viewed from the inlet side and are 45 degrees adjustable. Always check the available discharge handings for your specific fan model, see pages 4-7 for reference.

Performance curves on p29&30

S30EC 1~ Performance Curve



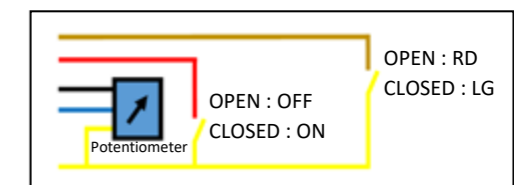
Technical Data

Motor	Power (kW)	Motor RPM	Voltage (V)	Max. Current	Weight (kg)
IP65 EC 1~	1	1720	220/277	4.30	21.1

Box Pedestal & Fan Weight (kg)	Metal Pedestal & Fan Weight (kg)
1 ~	1 ~
22.7	27.2

Control Signals

Yellow	+12V Output
Blue	Analog input 0-10V
Black	0V Ground
White	Speed (pulse output)
Red	ON/OFF (to be connected to +12V)
Brown	Rotation RD:not connected/LG: +12V
Green/Grey	Do not use



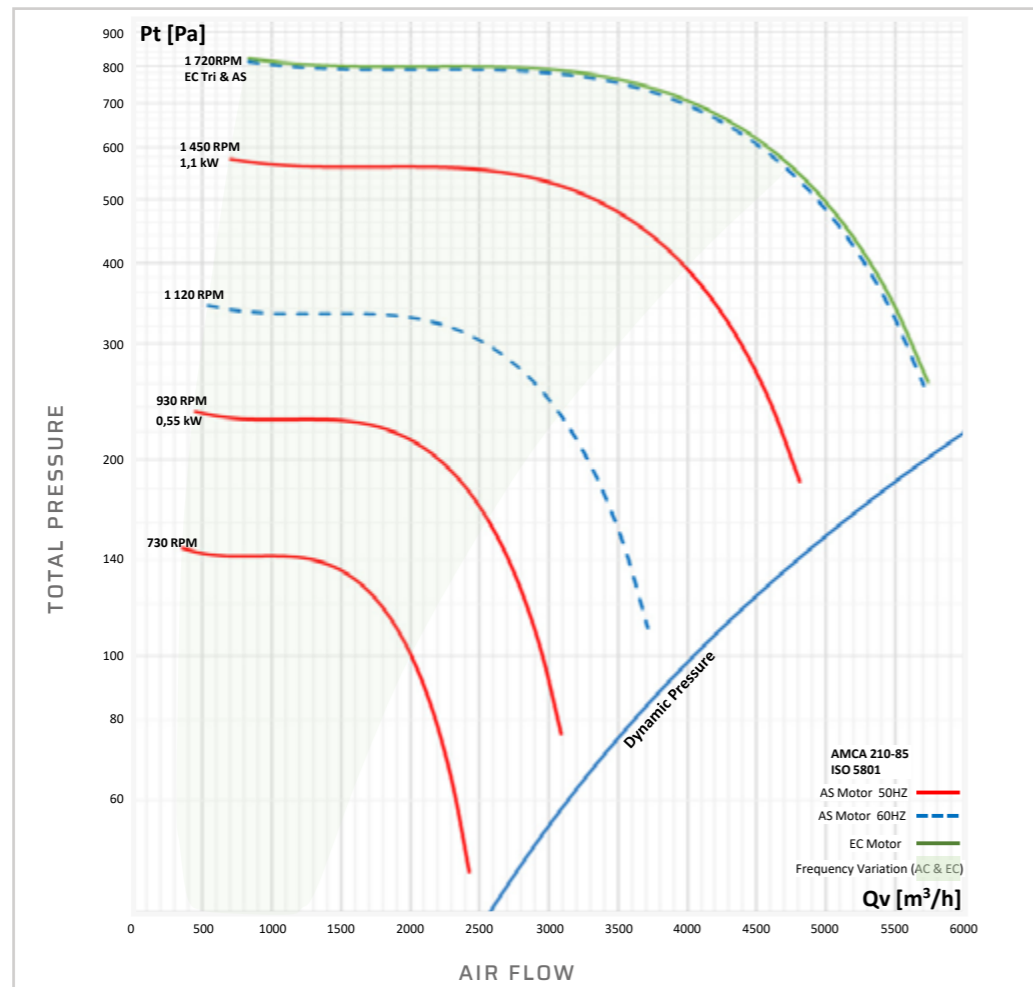
Power

Brown	L (Phase)
Blue	N (Neutral)
Yellow/Green	Ground

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S30EC 3~ Performance Curve



Technical Data

Motor	Power (kW)	Motor RPM	Voltage (V)	Max. Current	Weight (kg)
IP66 EC 3~	1.3	1720	360/460	1.7	23.7

Control Signals

Terminal	Description	
1	+24V (20 mA max)	
2	DI1 ON/OFF (to be connected to +24V)	
3	DI2 Rotation Direction	
4	DI3 Not connected	
5	+10V (20 mA max)	Potentiometer+
6	Analog input 0-10V	Wiper
7	0V (GND/Commun)	Potentiometer-
8	Analog output 0-10V	
9	0V (Ground)	
10/11	Output relay NO 6A/250V AC, 5A/30V DC Closed: Drive Healthy/Open: Faulty	

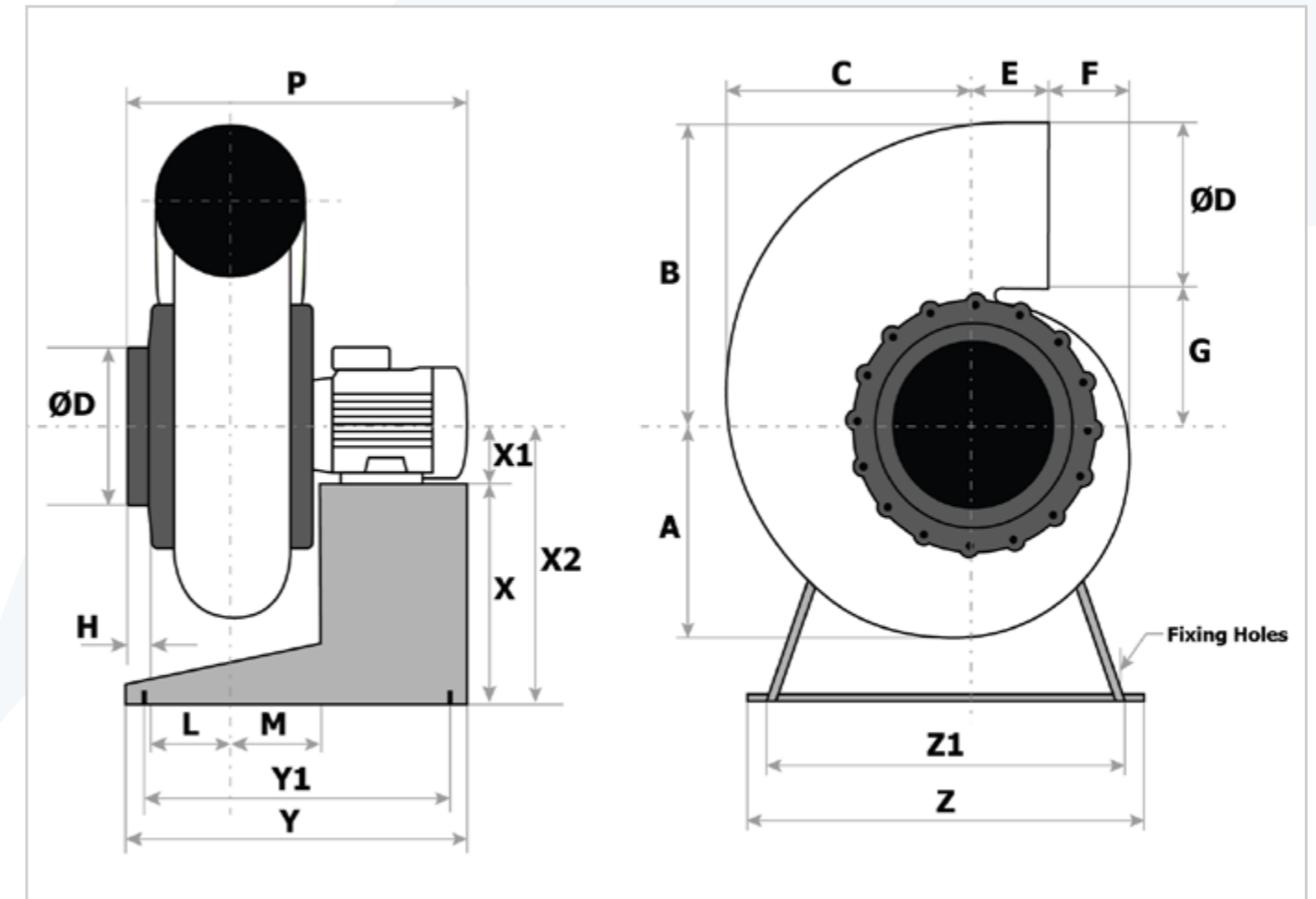
Box Pedestal & Fan Weight kg	Metal Pedestal & Fan Weight kg
3 ~	3 ~
32	28.1

Incoming power L1/L2/L3+PE 400V

Motor Connections UVW Star Y Connection

Please note, the drive included with SEAT's EC units is specifically programmed to run an EC motor only, and is not customisable as a standard inverter. The connections to it are as per the datasheet only, this should be noted at the time of design, the drives functions are locked and can not be used.

S35EC/Metal Pedestal



Dimensions

ØD	A	B	C	E	F	G	H	L	M	Y	Y1	Z	Z1
315	370	570	450	130	170	255	60	150	170	650	545	600	570

Motor Size	Motor	X	X1	X2	P
4kW	'132' frame	550	132	600	765

Motor dimensions may vary according to source.

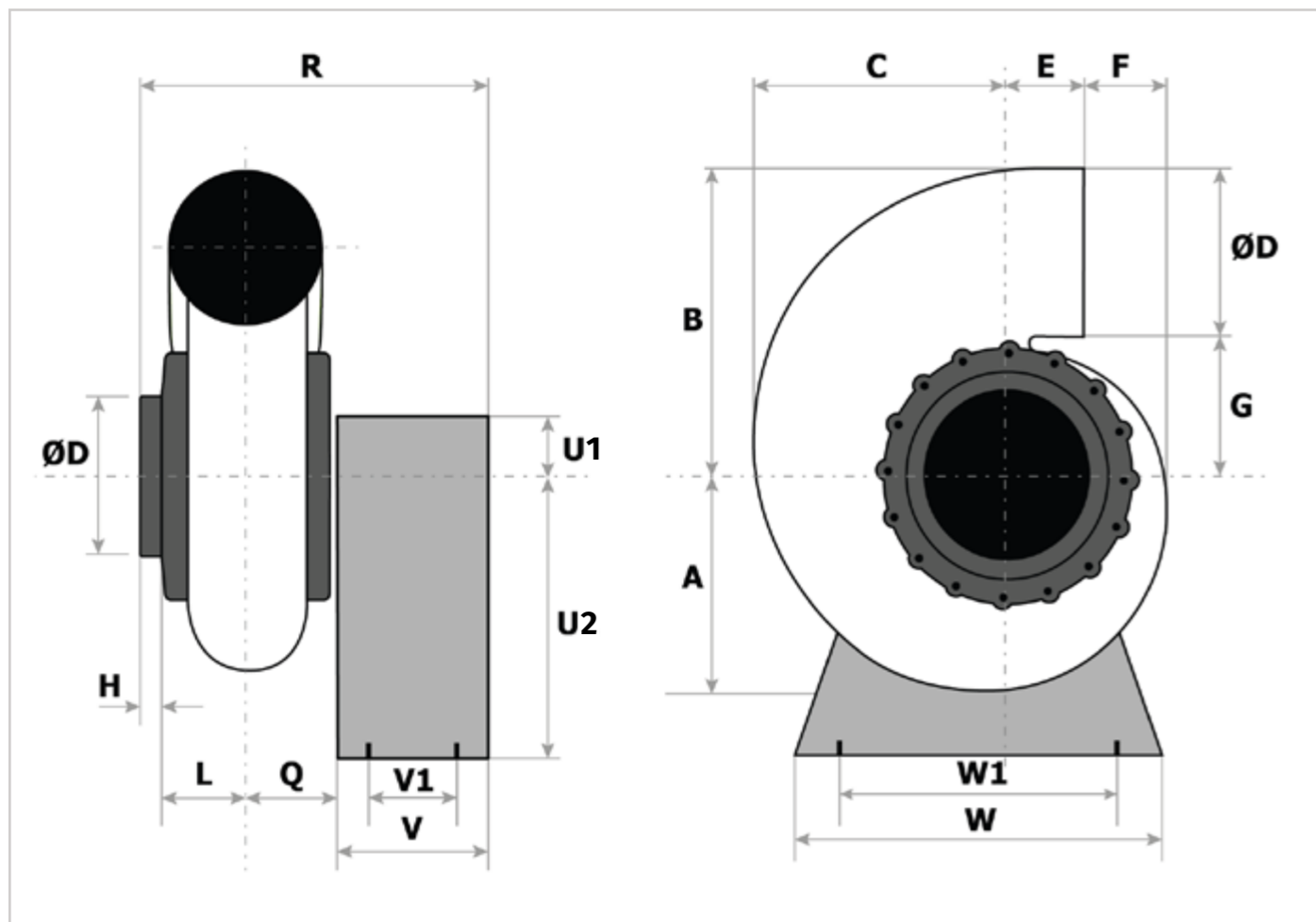
Handing & Orientation

All handings are viewed from the inlet side and are 45 degrees adjustable. Always check the available discharge handings for your specific fan model, see pages 4-7 for reference.

!
We recommend this fan be run with an inverter & set for a slow ramp up time.

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S35EC/Box Pedestal



Dimensions

ØD	A	B	C	E	F	G	H	L	Q
315	370	570	450	130	170	255	60	150	180

Motor Rating	Motor	R	U1	U2	V	V1	W	W1
4kW	'132' frame	880	122	578	500	400	585	480

Motor dimensions may vary according to source.

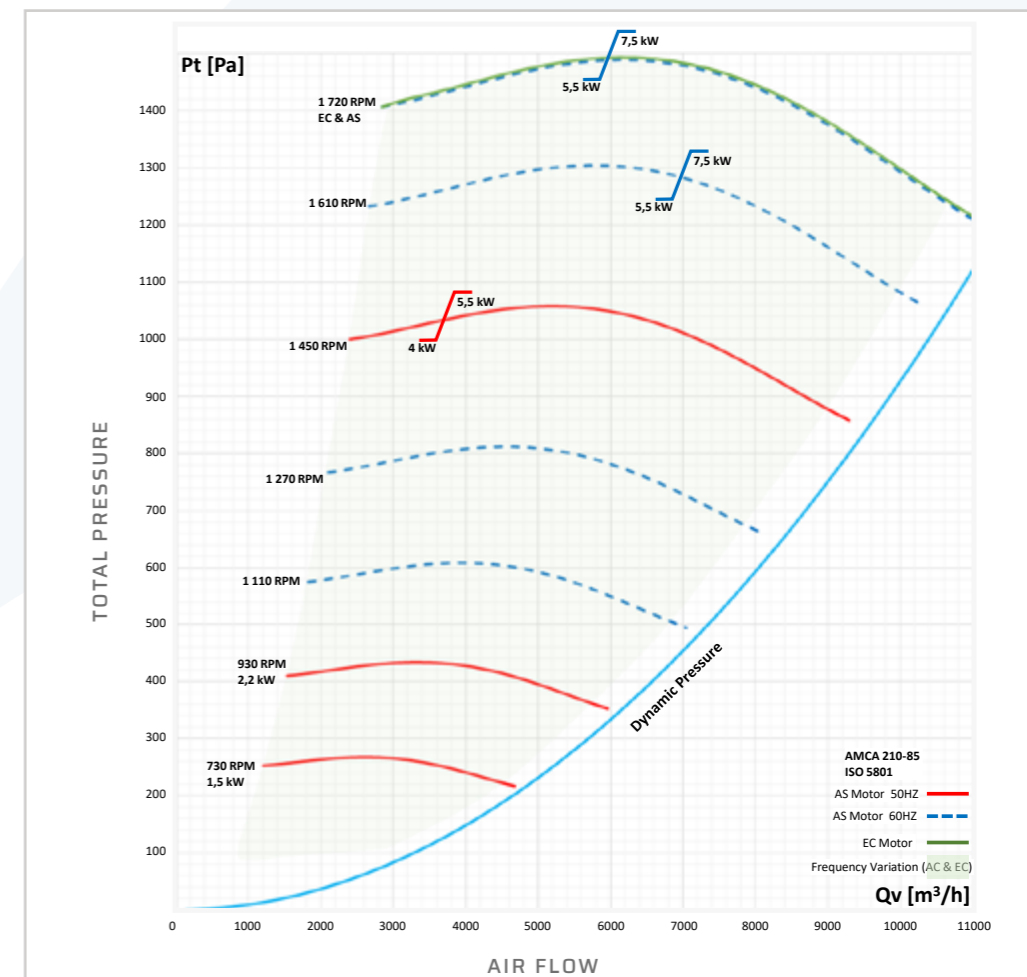
Handing & Orientation

All handings are viewed from the inlet side and are 45 degrees adjustable. Always check the available discharge handings for your specific fan model, see pages 4-7 for reference.



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S35EC 3~ Performance Curve



Technical Data

Motor	Power (kW)	Motor RPM	Voltage (V)	Max. Current	Weight (kg)
IP66 EC 3~	4	1720	360/460	10	53

Control Signals

Terminal	Description	
1	+24V (20 mA max)	
2	DI1 ON/OFF (to be connected to +24V)	
3	DI2 Rotation Direction	
4	DI3 Not connected	
5	+10V (20 mA max)	Potentiometer+
6	Analog input 0-10V	Wiper
7	0V (GND/Commun)	Potentiometer-
8	Analog output 0-10V	
9	0V (Ground)	
10/11	Output relay NO 6A/250V AC, 5A/30V DC Closed: Drive Healthy/Open: Faulty	

Box Pedestal & Fan Weight (kg)	Metal Pedestal & Fan Weight (kg)
3 ~	3 ~
65	69.3

Incoming power	L1/L2/L3+PE 400V
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Motor Connections	UVW Star Y Connection
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Contact Us

Whatever your issue, concern or question, contact our industrial team using the below contact details. Alternatively, visit our website and open a live chat to start discussions.

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