

Motori "Energy Saving"

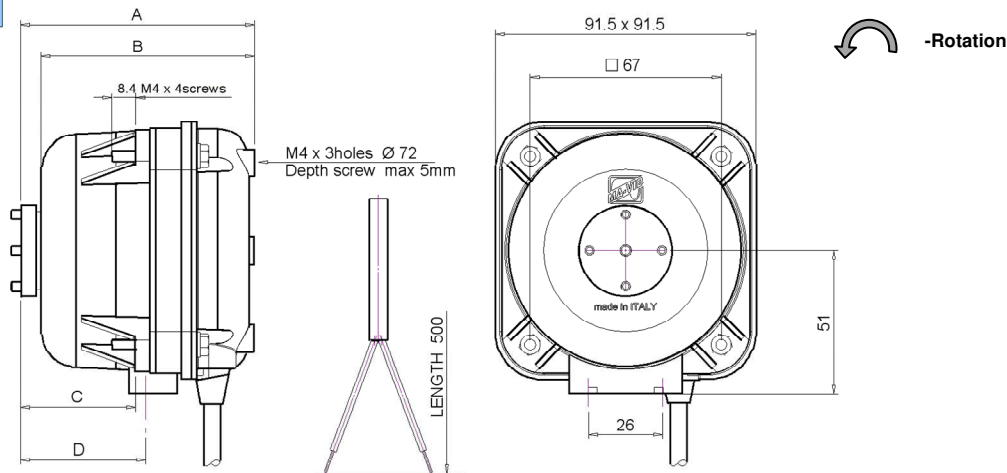
EA .. EB .. EC

Electr. Commutated Motors
for blade Ø 154 .. Ø 300 mm

Moteur Electronique pour
hélice Ø 154 .. Ø 300 mm

EC Motoren mit Flügel
Ø 154 .. Ø 300 mm

Serie EFCR...EA.EB.EC



Accessories: see pag. 24-26

Accessori: vedi pag. 24-26

Serie ..EA.. EB.. EC .. (EC Motors) : 230V 50/60Hz - marcati (€ classe B in accordo a EN.60335.1

CODE	Conventional Electric data						Dimensions				Impeller		W.in with Impeller
	Speed	RPM 50/60Hz	A.	W.in free air	W.in Max. Pa	Prot.	A ^{±1.5}	B ^{±1.5}	C	D	ø	incl. °	
EFCR.08EA...A5 / A2 EB...A5 / A2 EC...A5 / A2	1 Speed	1350	0,16	6	14	Electr.	80	73	40,5	44	154	19	see each version EA / EB / EC
	2 Speed	1350/1000									31	19	
	PWM/0-10	800÷2200									27	19	
											27	23	
EFCR.15EA...A5 / A2 EB...A5 / A2 EC...A5 / A2	1 Speed	1350	0,26	18	24	Electr.	80	73	40,5	44	200	23	
	2 Speed	1350/1000									27	19	
	PWM/0-10	800÷2200									27	28 (LC)	
EFCR.21EA...A5 / A2 EB...A5 / A2 EC...A5 / A2		1 Speed	1350	0,31	23	55	Electr.	100	90	43	46	230	
	2 Speed	1350/1000	27									19	
	PWM/0-10	800÷2200	31									27	
			27									19	
			27									23	

Electronic Commutated Motor 08 / 15 / 21 – 230V-50/60Hz (on demand 115V-50/60Hz)

Operation mode	S1		Motor protection	Electronically
Mounting position	All		Insulation class	B
Motor bearing	Ball		IP Protection	44 (on demand 54)
Ambient temperature	-40°C ... +50°C		Ref. Standard	CE
Max Ambient storage/tran.	-40°C ... +80°C		Expectance live	over 60.000 h
Standard of ref.	EN	60335-1 / A15 / 2-24 / 2-89 *	*ref. Gas group IIA	600034-1 (Rota. Elec. Ma.)
		60529 (IP)	*60079-15	
	EU	2006-42 (Mac) 2014-35 (Low V.)	201/-30 (EMC)	2015/863 (RoHS3)

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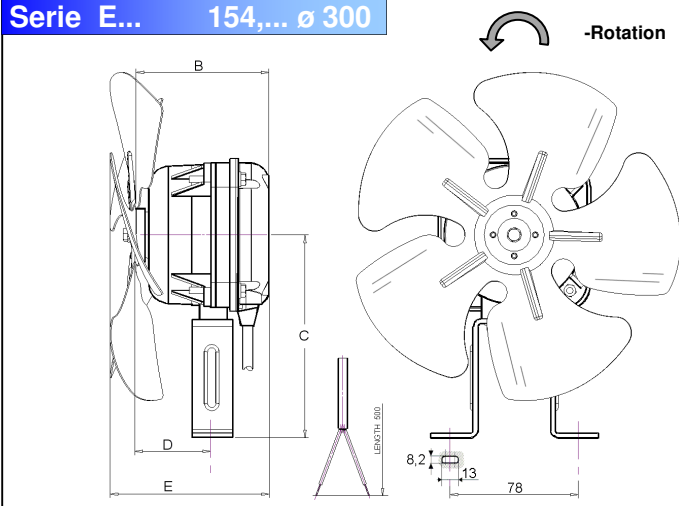
Serie **EA .. EB .. EC** con boccagli, reti, staffa, ventola

EA .. EB.. EC with blade,
ring, fan guard or bracket

EA .. EB .. EC avec hélice,
virole, grilles ou support

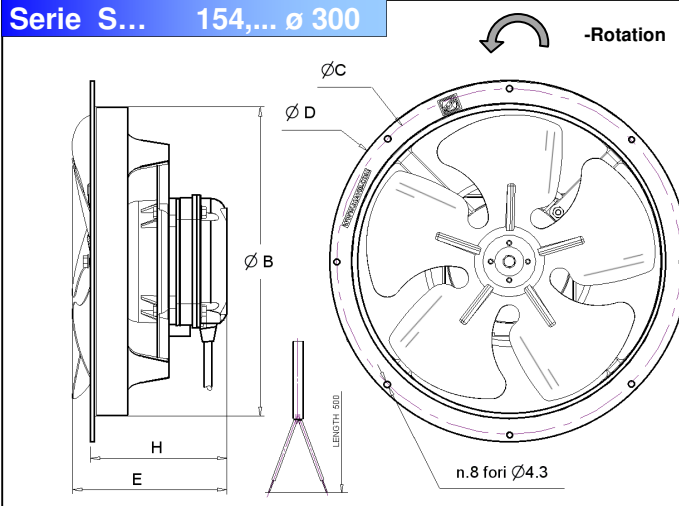
EA.. EB ..EC mit Flügel,
Fuß, Ring oder Schutzgitter

Serie E... 154,... ø 300



CODE	Impeller		Dimensions					
	ø, mm		A	B	C	D	E ±1,5	H
E08EA...	154	19°		80	90	46	88	
		31°					99	
	172	19°	80	103	46	95		
E08EB...		31°					100	
E08EC...	200	19°		80	122	46	96	
		31°					103	
E15EA...	230	19°		80	134	46	91	
		23°					100	
	200	31°	80	122	46	103		
E15EB...		27°					100	
E15EC...		31°					102	
E21EA...	254	19°		80	134	46	94	
		23°					104	
	230	28°(LC)				109		
E21EB...		31°					124	
E21EC...	254	27°		100	134	48	126	
		31°					127	
	300	19°	100	160	48	118		
		27°					138	

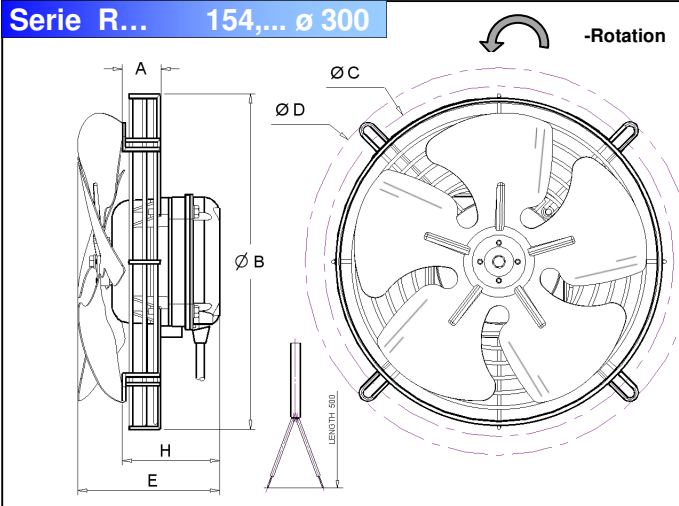
Serie S... 154,... ø 300



CODE	Impeller		Dimensions					
	ø, mm		A	B	C	D	E ±1,5	H
S08EA...	154*	19°		175	190	200	88	91
		31°					99	
	172	19°	190*	208	222	95	87	
S08EB...		31°					100	
S08EC...	200	19°		215	236	246	96	
		31°					103	
S15EA...	230	19°		250	266	276	91	
		23°					100	
	200	31°	215	236	246	103	93	
S15EB...		27°					102	
S15EC...		31°					104	
S21EA...	254*	19°		280	290	300	94	
		23°					104	
	230	28°(LC)				106		
S21EB...		31°					119	
S21EC...	254*	27°		280	280	300	123	108
		31°					125	
	300*	19°	334	344	356	115	108	
		27°					135	

* versione in metallo

Serie R... 154,... ø 300



CODE	Impeller		Dimensions					
	ø, mm		A	B	C	D	E ±1,5	H
R08EA...	172	19°	26	192	208	226	95	66
		31°					100	
	R08EB...		19°					96
R08EC...		31°					103	
R15EA...	230	19°	26	252	280	295	91	66
		23°					100	
	200	31°	26	228	236	261	103	66
R15EB...		27°					102	
R15EC...		31°					104	
R21EA...	254	19°	26	271	289	309	94	66
		23°					104	
	230	28°(LC)				106		
R21EB...		31°					118	
R21EC...	254	27°	26	271	289	309	123	83
		31°					125	
	300	19°	47	346	365	390	115	104
		27°					135	
	315	27°	47	346	365	390	134	104
350	23°	53	386	420	438	135	110	

Curve di portata

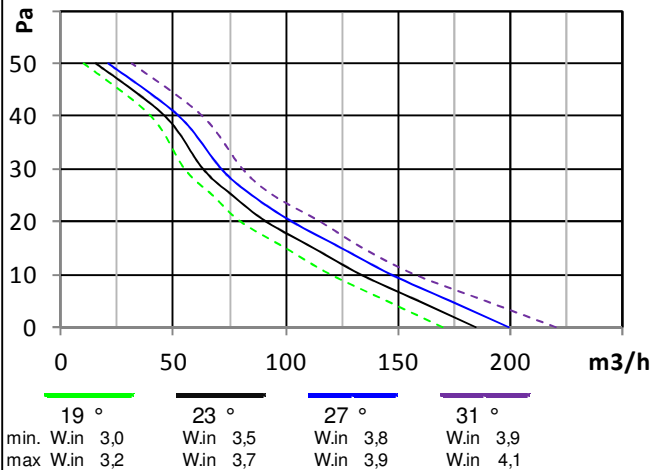
08 - 15 EA 1 speed Ø 154 .. Ø 230

Performance curves

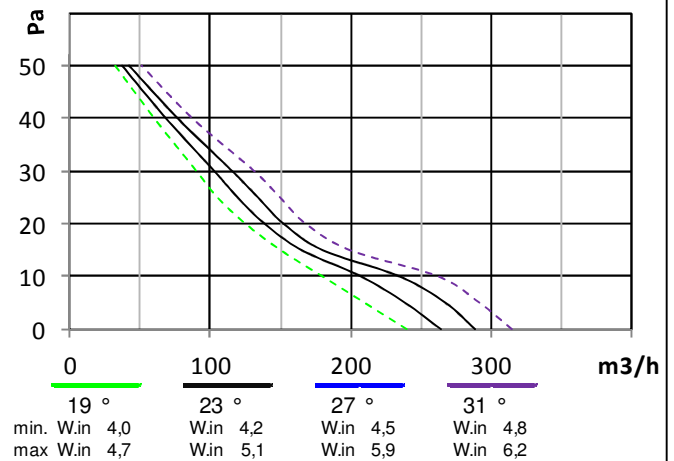
Courbes de débit

Luftleistungskennlinien

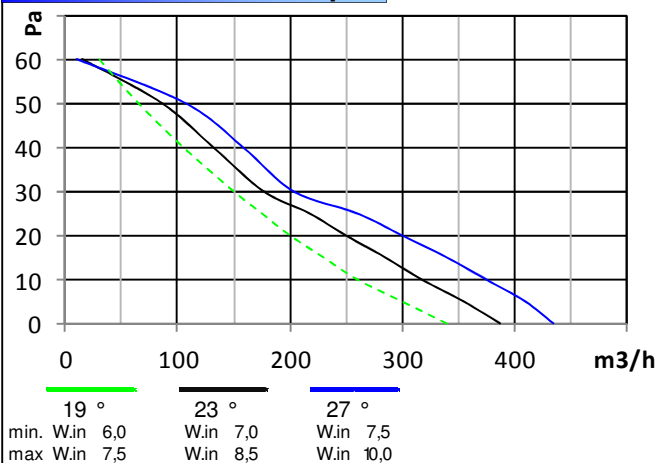
...08EA .., Ø154,... 1350rpm



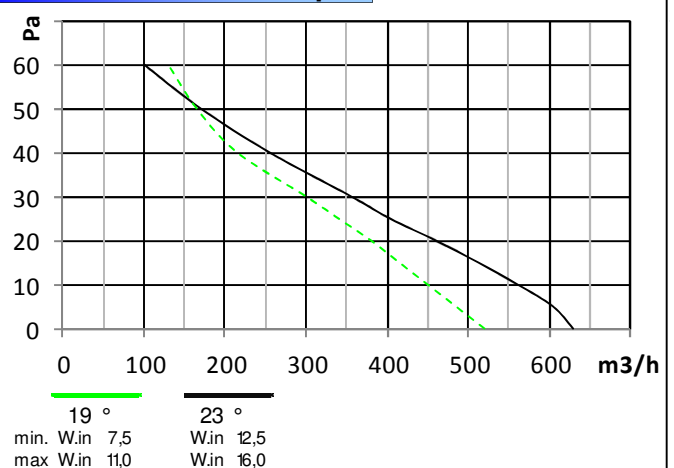
...08EA .., Ø172,... 1350rpm



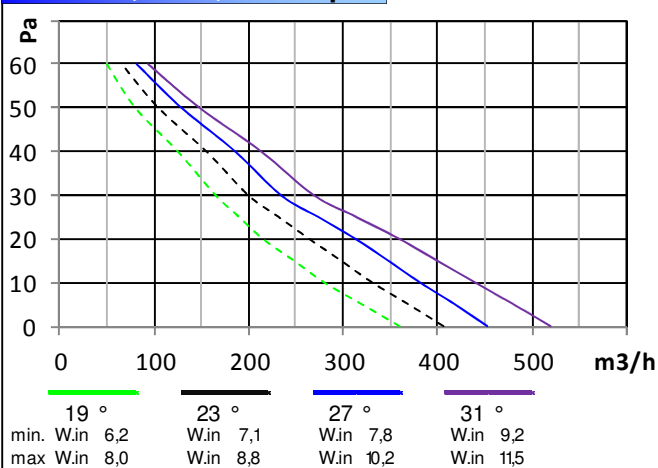
...08EA .., Ø200,... 1350rpm



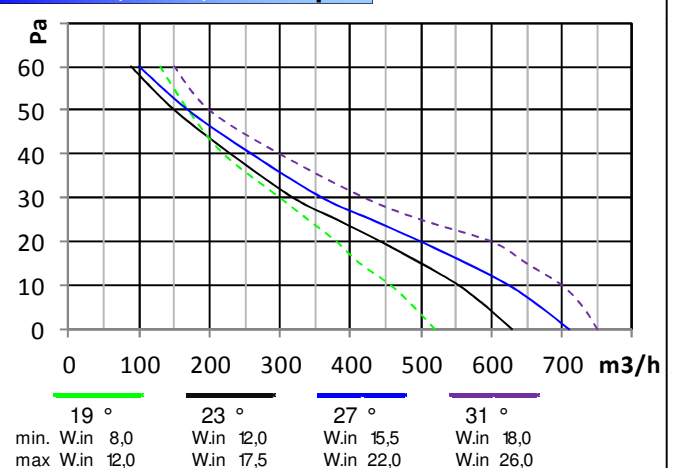
...08EA .., Ø230,... 1350rpm



...15EA .., Ø200,... 1350rpm



...15EA .., Ø230,... 1350rpm



Curve di portata

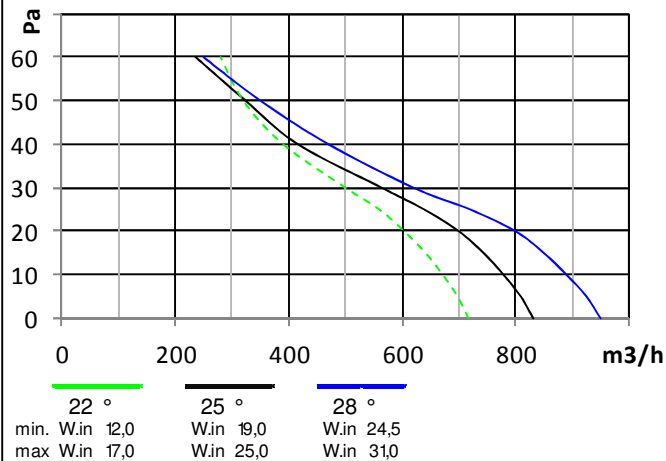
15 - 21 EA 1 speed Ø 230 .. Ø 350

Performance curves

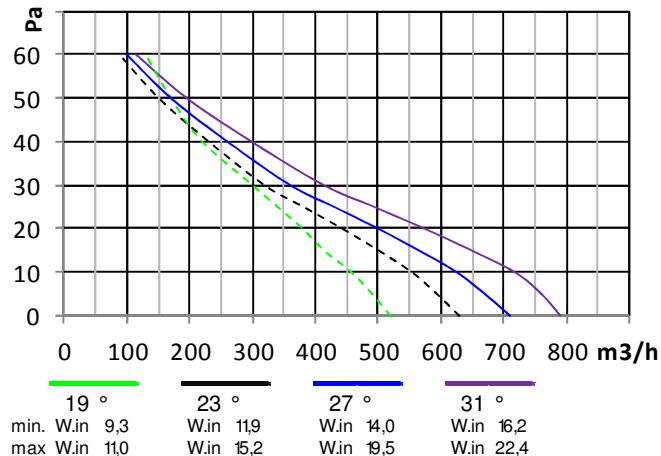
Courbes de débit

Luftleistungskennlinien

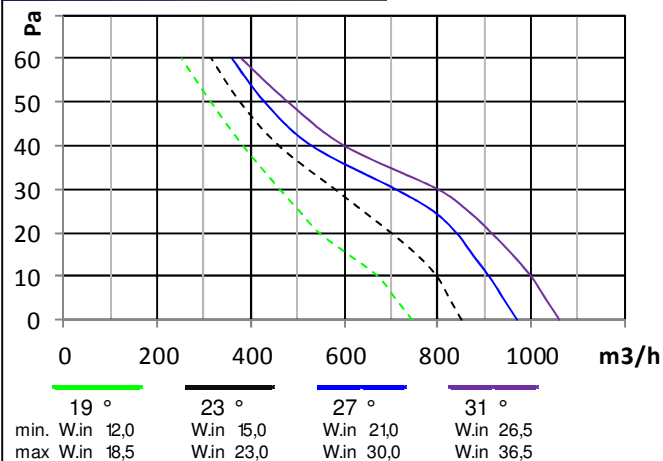
...15EA .., ø254,... 1350rpm



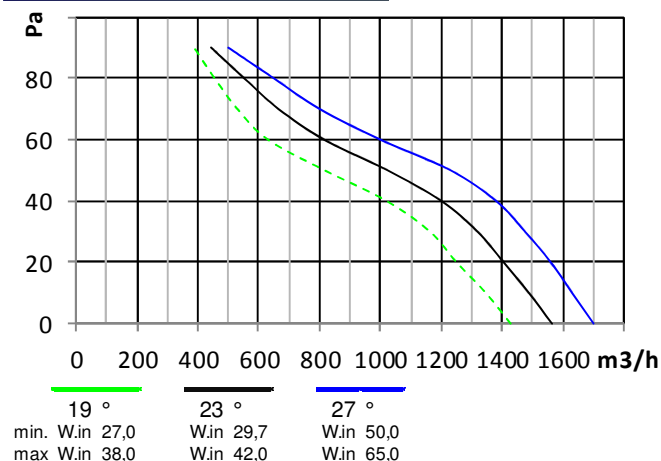
...21EA .., ø230,... 1350rpm



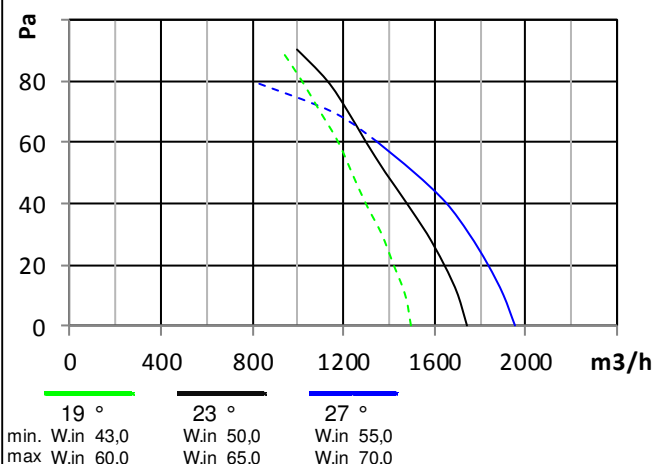
...21EA .., ø254,... 1350rpm



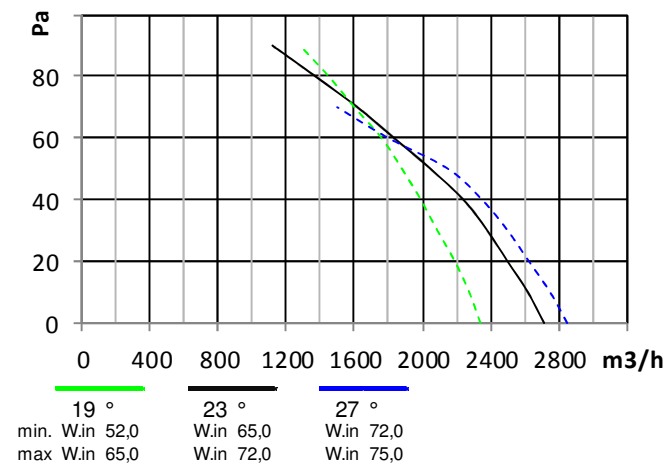
...21EA .., ø300,... 1350rpm



...21EA .., ø315,... 1350rpm



...21EA .., ø350,... 1350rpm



Curve di portata

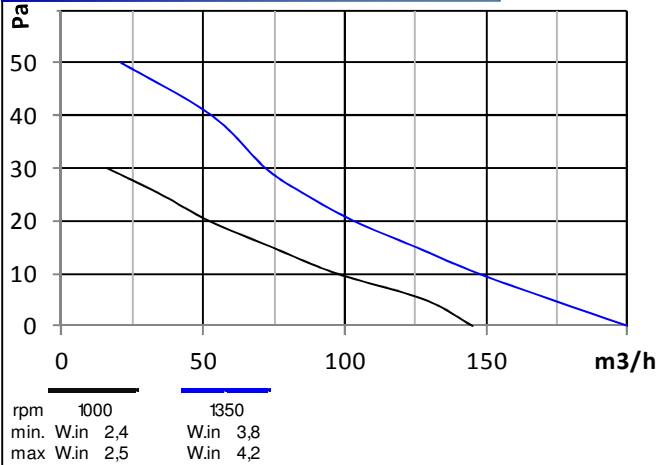
08 - 15 EB 2 speed Ø 154 .. Ø 230

Performance curves

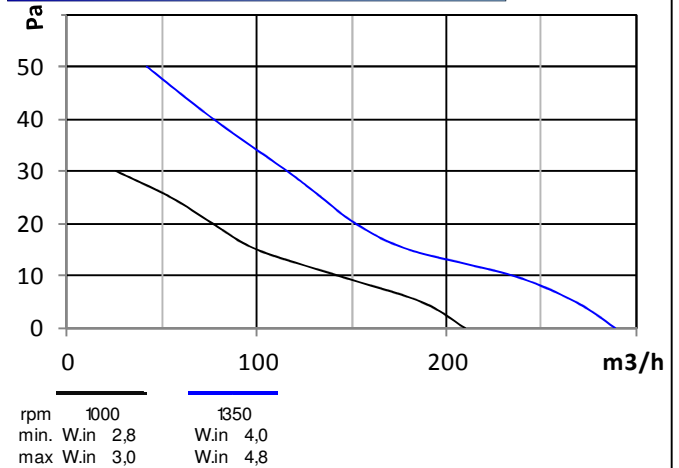
Courbes de débit

Luftleistungskennlinien

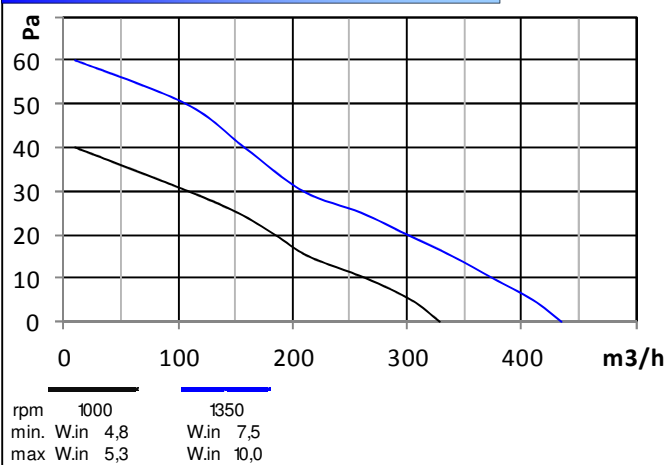
...08EB ... Ø154-27° 1000/1350rpm



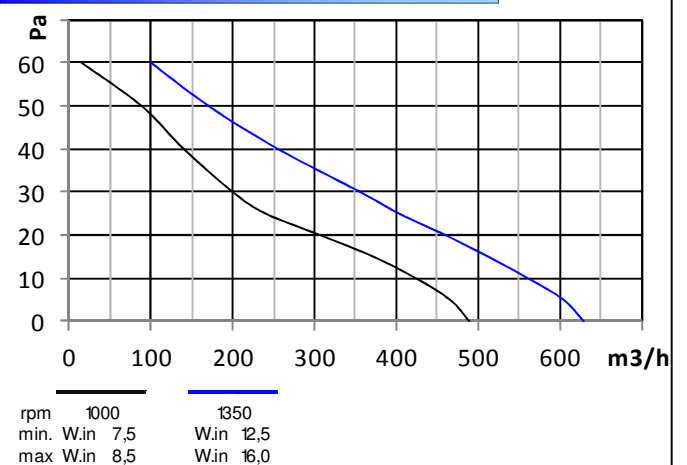
...08EB ... Ø172-27° 1000/1350rpm



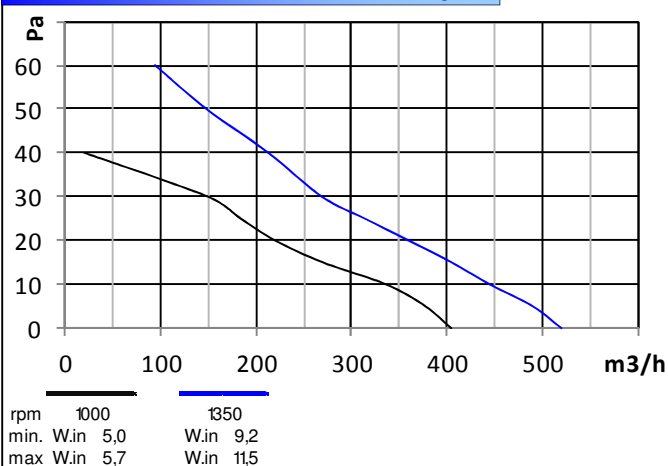
...08EB ... Ø200-28° 1000/1350rpm



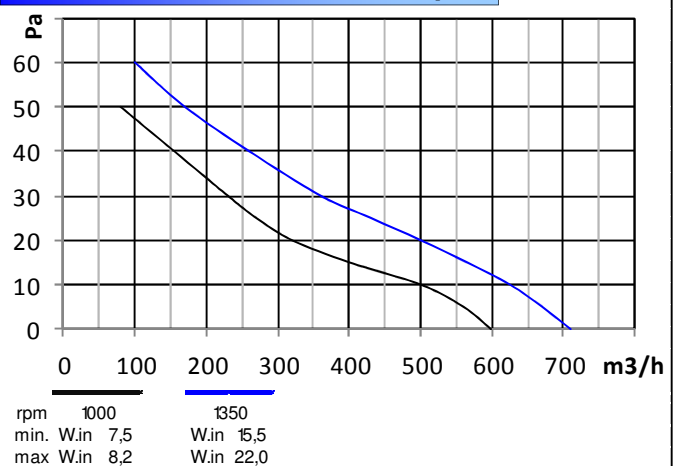
...08EB ... Ø230-23° 1000/1350rpm



...15EB ... Ø200-31° 1000/1350rpm



...15EB ... Ø230-27° 1000/1350rpm



Curve di portata

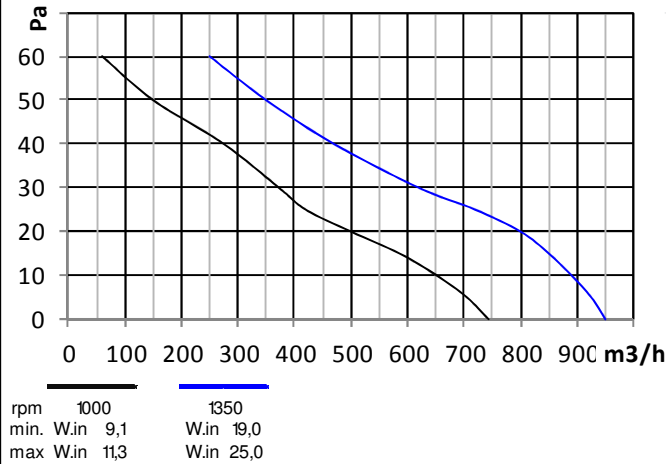
15 - 21 EB 2 speed Ø 230 .. Ø 350

Performance curves

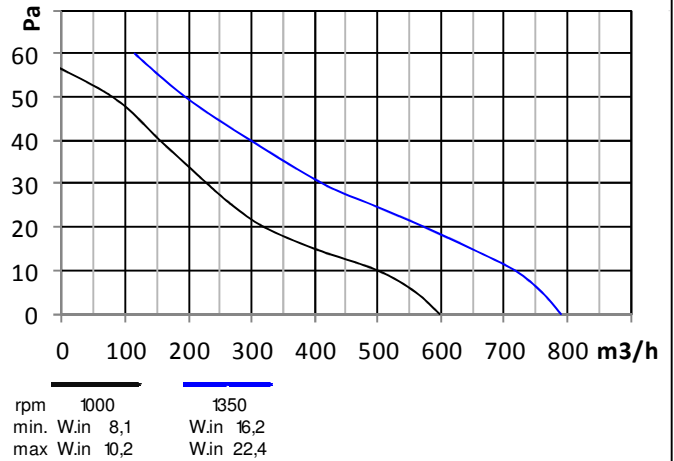
Courbes de débit

Luftleistungskennlinien

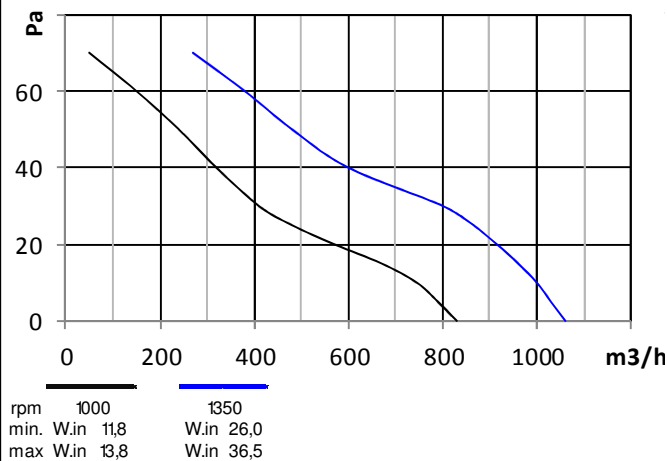
...15EB ... ø254-28° 1000/1350rpm



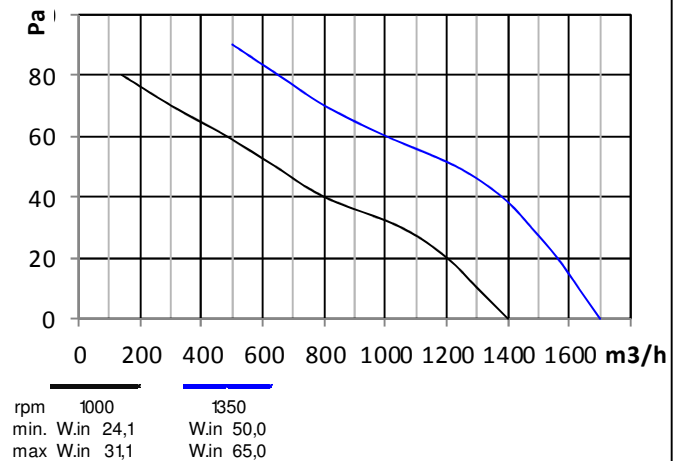
...21EB ... ø230-31° 1000/1350rpm



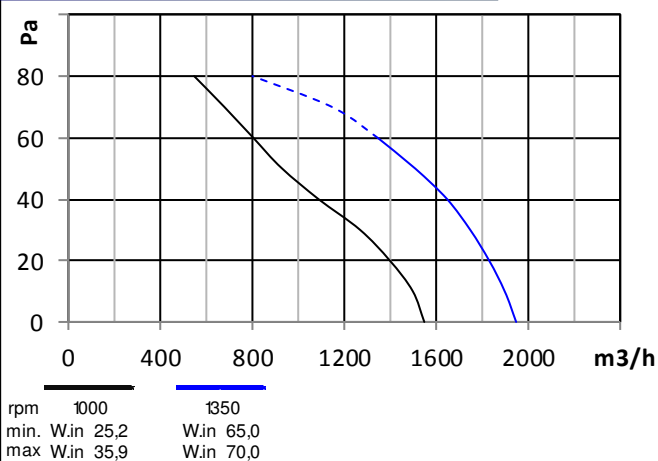
...21EB ... ø254-31° 1000/1350rpm



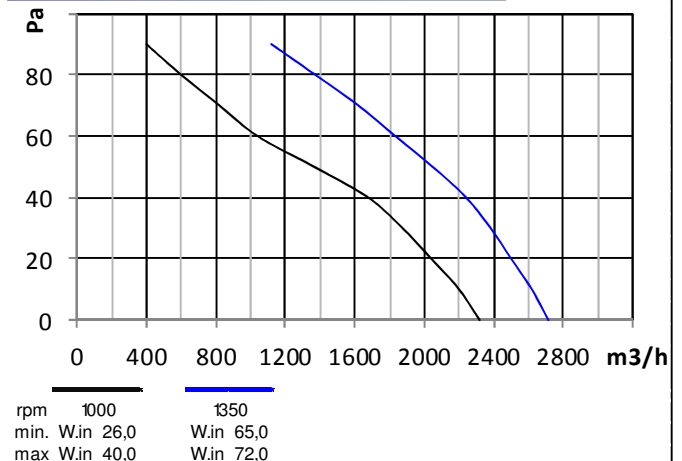
...21EB ... ø300-27° 1000/1350rpm



...21EB ... ø315-27° 1000/1350rpm



...21EB ... ø350-23° 1000/1350rpm



Curve di portata

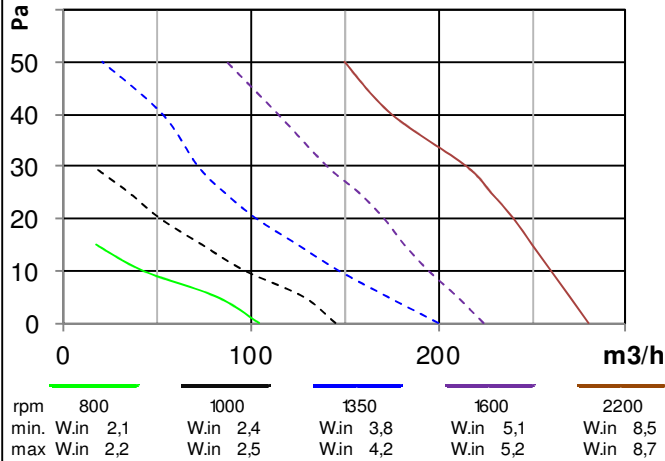
08 - 15 EC variable Ø 154 .. Ø 230

Performance curves

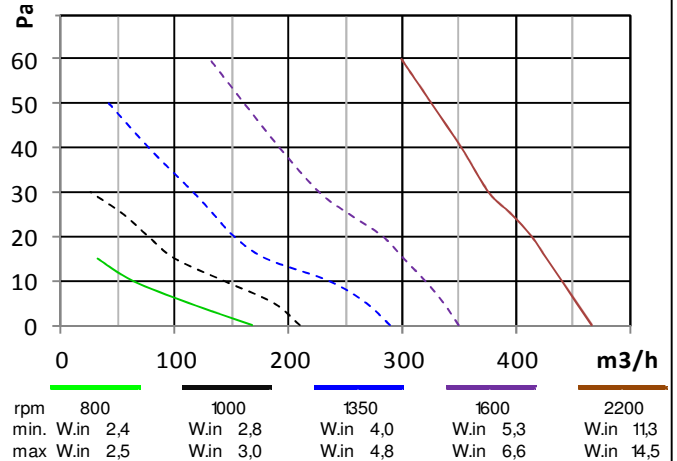
Courbes de débit

Luftleistungskennlinien

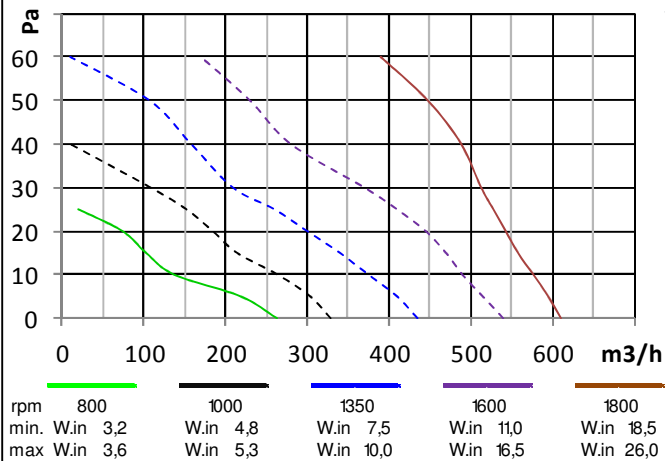
...08EC... Ø154-27° 800 ÷ 2200rpm



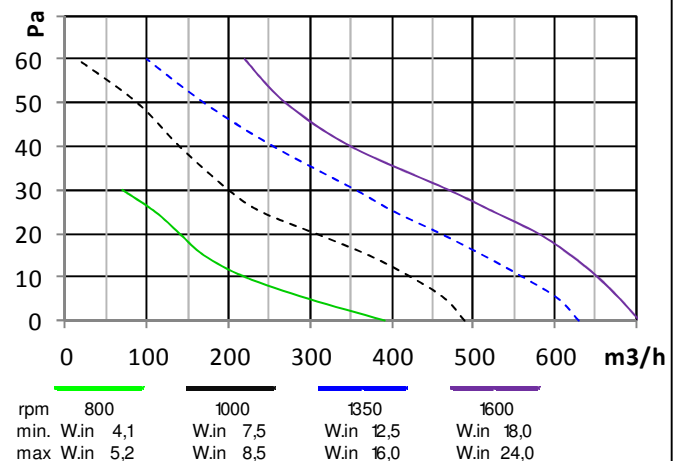
...08EC ... Ø172-27° 800 ÷ 2200rpm



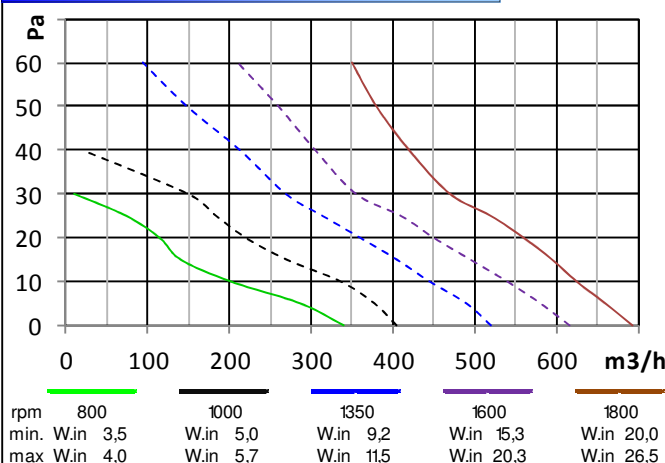
...08EC ... Ø200-28° 800 ÷ 1800rpm



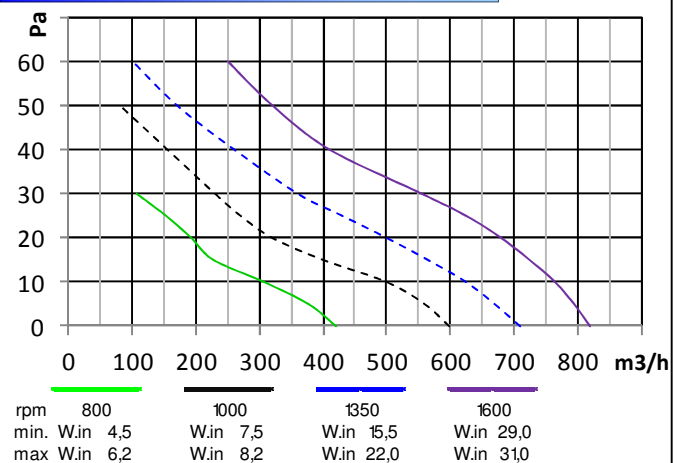
...08EC ... Ø230-23° 800 ÷ 1600rpm



...15EC ... Ø200-31° 800 ÷ 1800rpm



...15EC ... Ø230-27° 800 ÷ 1600rpm



Curve di portata

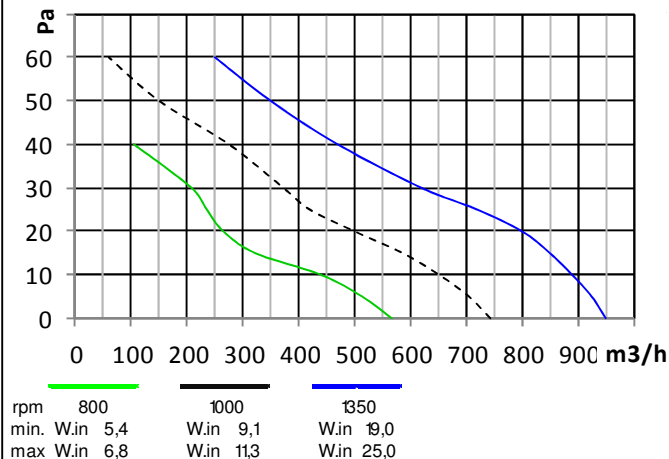
15 - 21 EC variable Ø 200 .. Ø 350

Performance curves

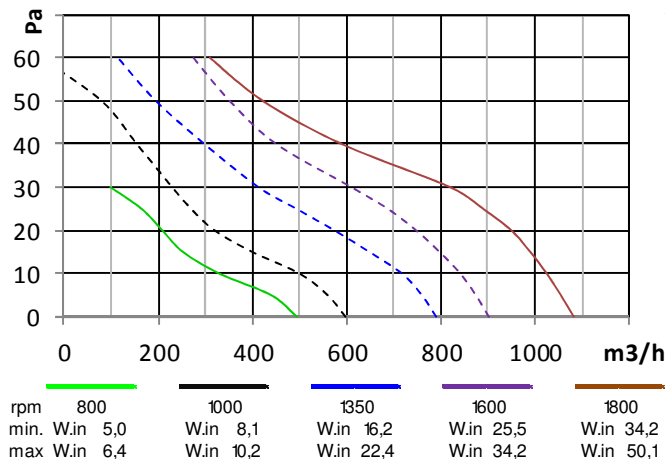
Courbes de débit

Luftleistungskennlinien

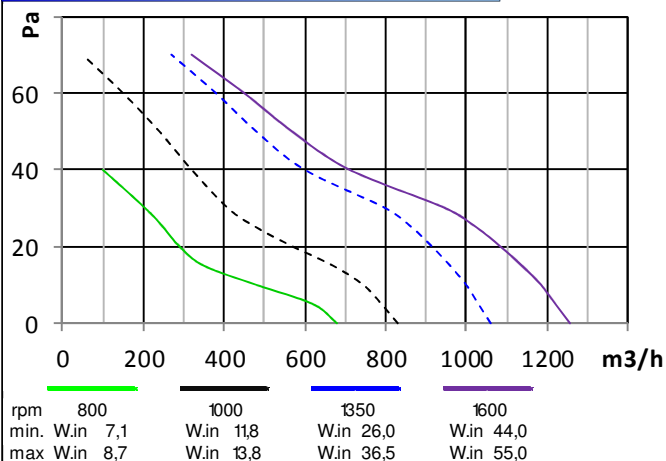
...15EC ... Ø254-28° 800 ÷ 1350rpm



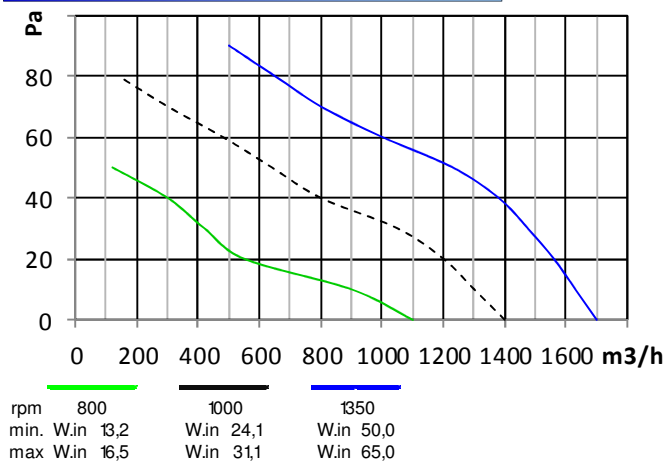
...21EC ... Ø230-31° 800 ÷ 1800rpm



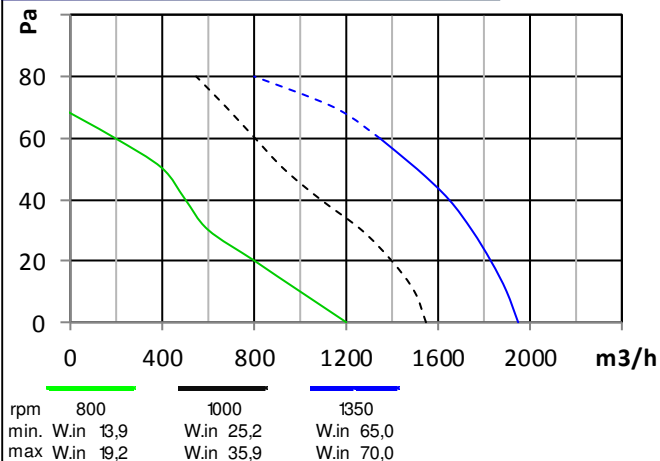
...21EC ... Ø254-31° 800 ÷ 1600rpm



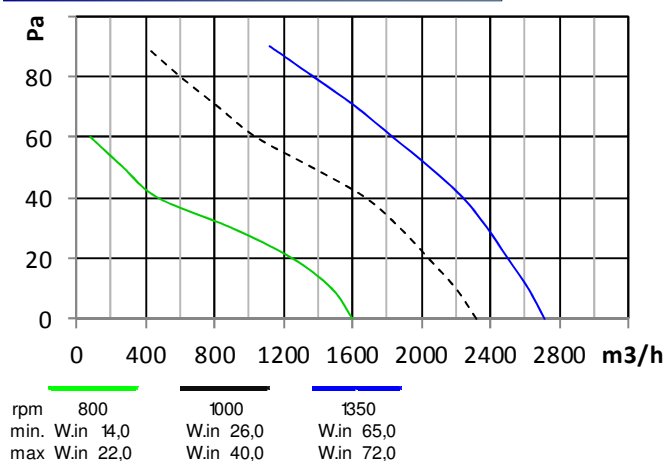
...21EC ... Ø300-27° 800 ÷ 1350rpm



...21EC ... Ø315-27° 800 ÷ 1350rpm



...21EC ... Ø350-23° 800 ÷ 1350rpm



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Collegamenti elettrici

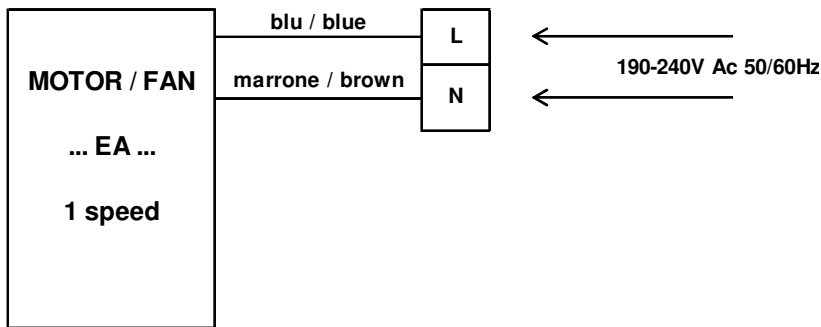
EA .. EB .. EC

Electric connection

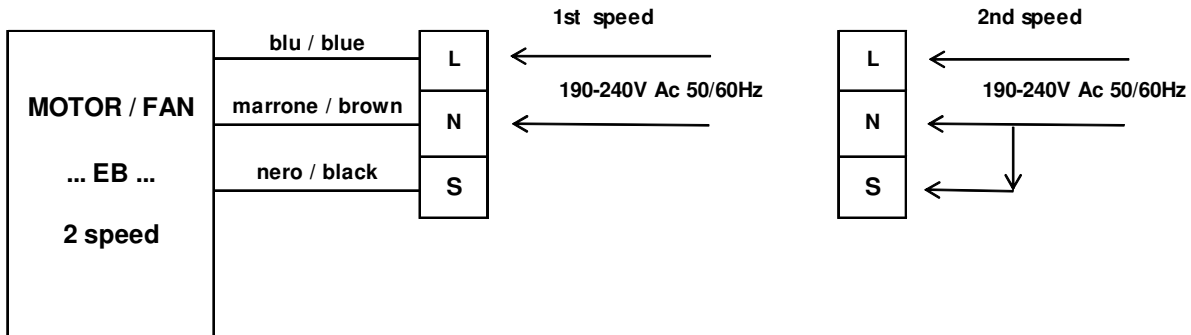
Connexion électrique

Elektrischer Anschluss

Serie .. EA.. 1 speed

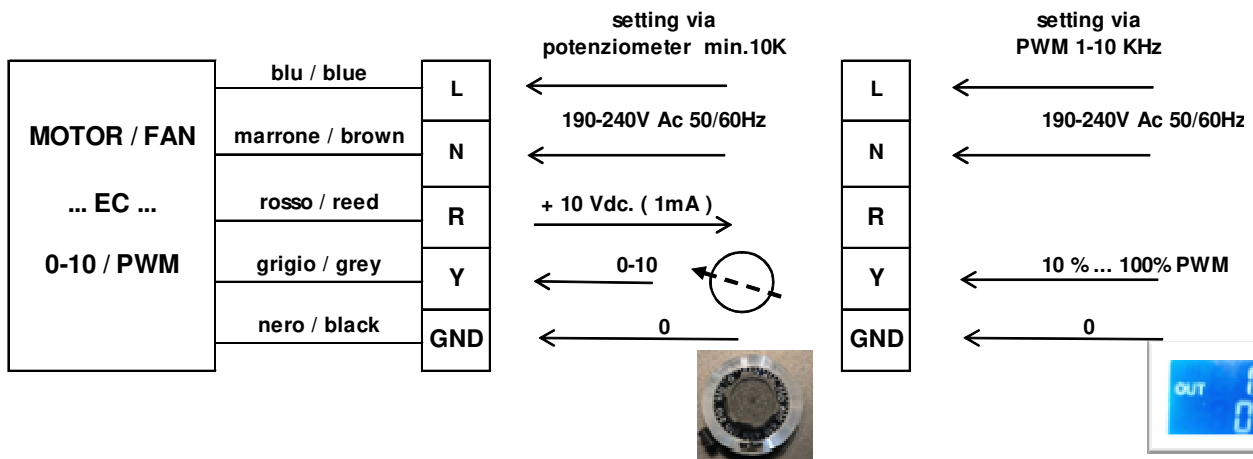


Serie .. EB.. 2 speed



Serie .. EC .. variable speed

by PWM or 0-10Vdc electrically isolated



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