

Tangential ECM fan ETD Ø60 x 180÷420 with motor 15



..EB.. = 2 speeds – 1900 / 1500 rpm

***..EC.. = variable speed 1900÷600 rpm by external
signal or 0-10Vdc electrically isolated***



MA-VIB SpA

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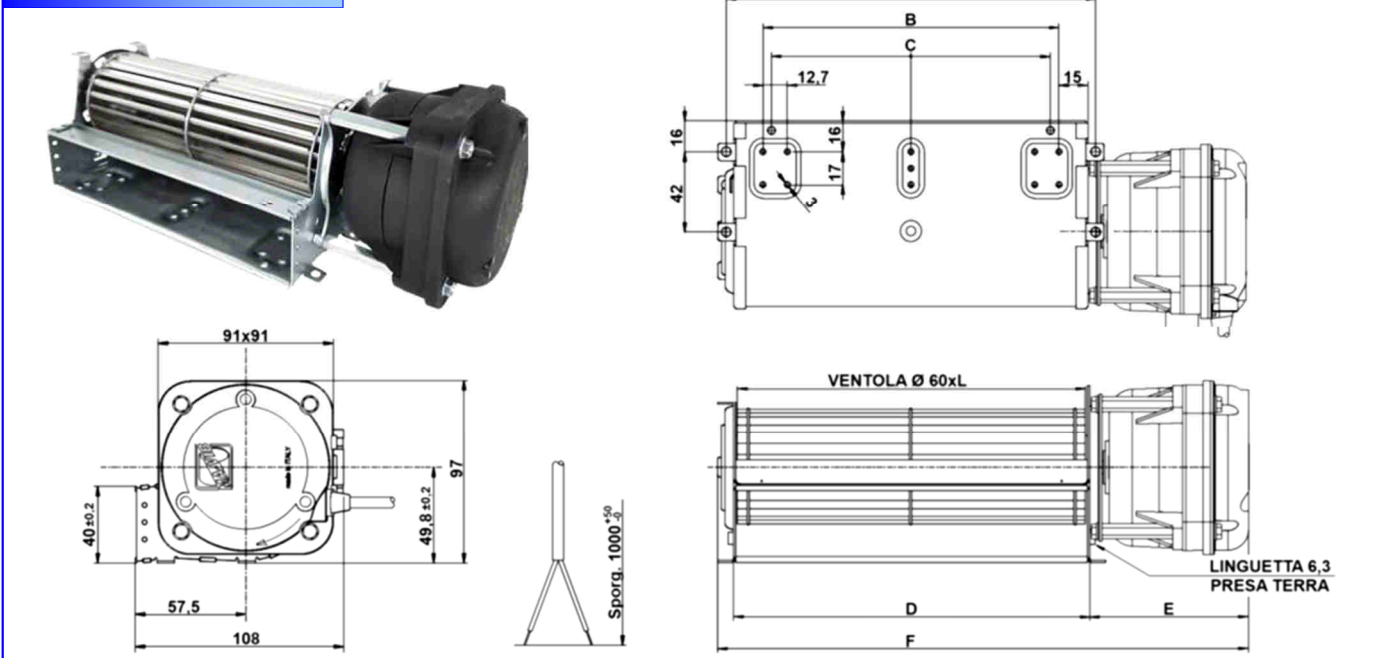
Sales Office: Italy = ita@mavib.com Export = expo@mavib.com



Tangential ECM fans

Ø 60 x L180 ÷ 420mm

Serie ETD 60 ECM



Electronic Commutated Motor 15 / 21 - 230V – 50/60Hz (on demand 100V-240V - 50/60Hz universal power supply)

Operation mode	S1	IP protection	44 (on demand 55)	Standard of ref.
Mounting position	All	Marking	CE + (*)	EN 60335-1/A15 /2-24 /2-89 (*) Gas IIA
Motor bearing	Ball	Ambient temp.	-40°C ÷ +50°C	600034-1(REM)-60529 (IP)-60079-15 (*)
Motor protection	Electronically (1)	Max. intake air	+ 50°C	(*) Ex II 3G Ex nA IIA T6
Locked rotor protec.	Yes	Max *C. storage	-40°C ÷ +80°C	2006/42/CE (Mac.) 2014/35/UE (Low V.)
Insulation	B	Expect. life Ball Bear.	Over 60.000 h	2014/30/UE (EMC) 2015/863 (RoHS3)

(1) Safety protection automatically reduces rpm if exceed W.in limit, reached min. rpm fan stop/restart 3 time and stop working after safe try time

Serie EB ; 2 speed (on demand different rpm)

CODE	Label data				Prot.	Dimensions						Impeller	
	rpm 50/60Hz	A. 50/60Hz	W.in Min.	W.in Max.		A	B	C	D	E	F	Ø	H
ETD60180EB15	2100/1500	0.14	4,5	9	Electr.	193	154	145	184	85	269	60	180
ETD60240EB15	1900/1500	0.15	5,5	10		253	214	205	244	85	329	60	240
ETD60300EB15	1900/1500	0.18	8	14		313	274	265	304	85	389	60	300
ETD60420EB15	1900/1500	0.19	15	17		433	394	385	424	85	509	60	420

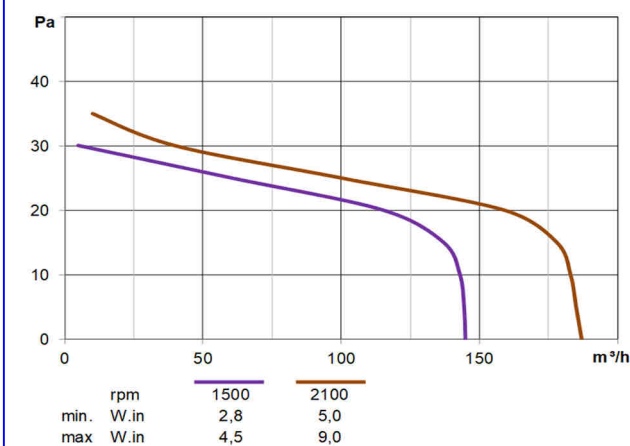
Serie EC ; Variable speed by electrically isolated signal PWM or 0-10Vdc

CODE	Label data				Prot.	Dimensions						Impeller	
	rpm 50/60Hz	A. 50/60Hz	W.in Min.	W.in Max.		A	B	C	D	E	F	Ø	H
ETD60180EC15	2100÷600	0.14	1,7	9	Electr.	193	154	145	184	85	269	60	180
ETD60240EC15	1900÷600	0.15	1,7	10		253	214	205	244	85	329	60	240
ETD60300EC15	1900÷600	0.18	1,9	14		313	274	265	304	85	389	60	300
ETD60420EC15	1900÷600	0.19	2,3	17		433	394	385	424	85	509	60	420

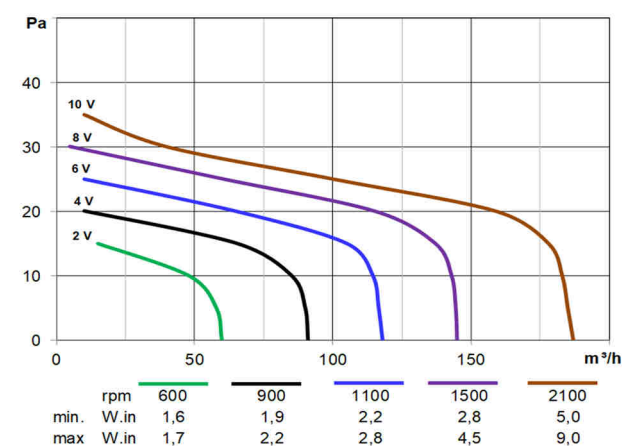
Performances curves

Tangential ECM fans Ø 60

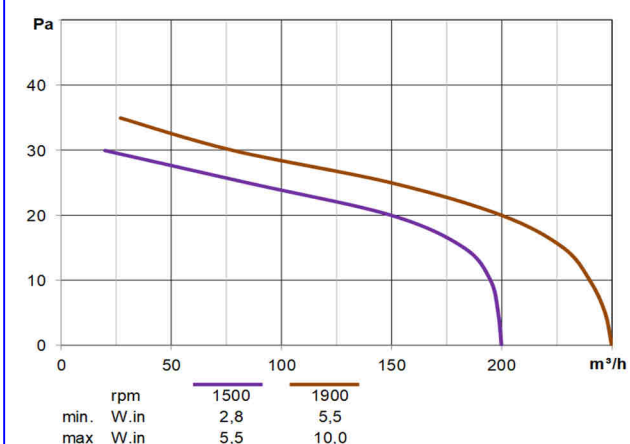
ETD60180EB15 2100/1500rpm



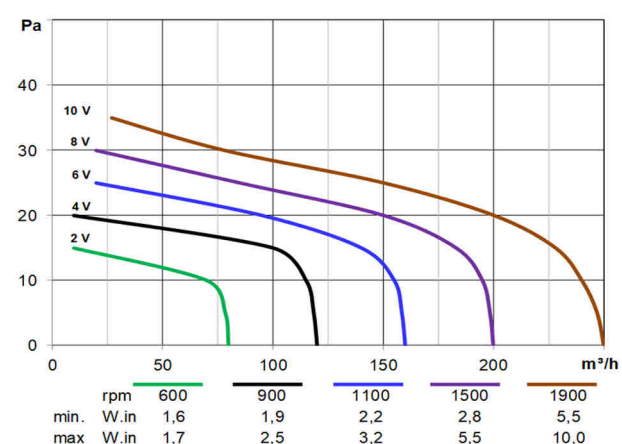
ETD60180EC15 2100÷600rpm



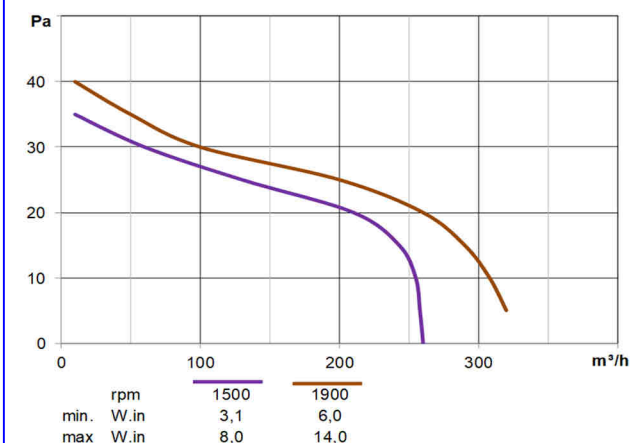
ETD60240EB15 1900/1500rpm



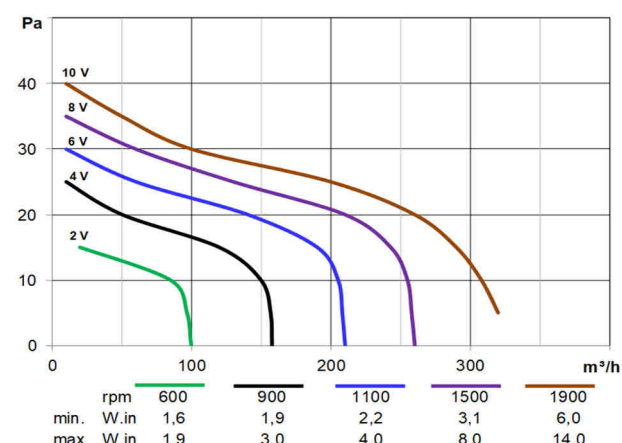
ETD60240EC15 1900÷600rpm



ETD60300EB15 1900/1500rpm



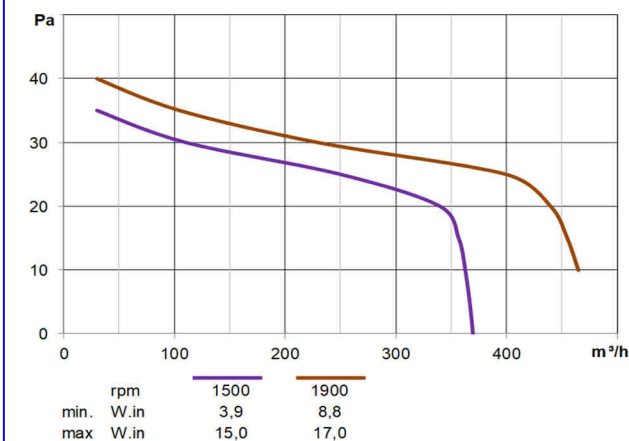
ETD60300EC15 1900÷600rpm



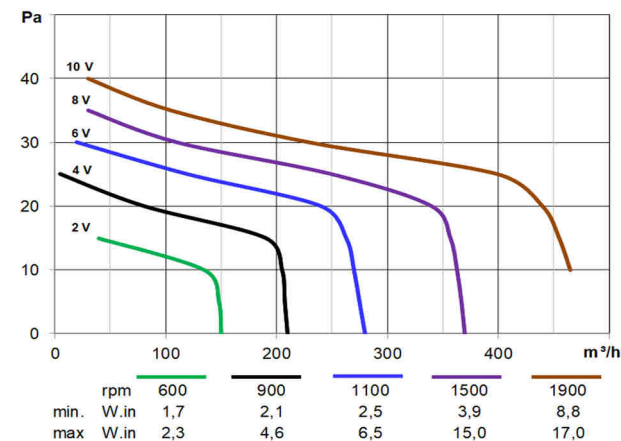
Performances curves

Tangential ECM fans Ø 60

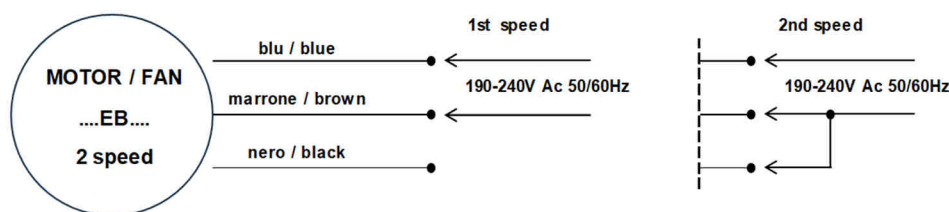
ETD60420EB15 1900/1500rpm



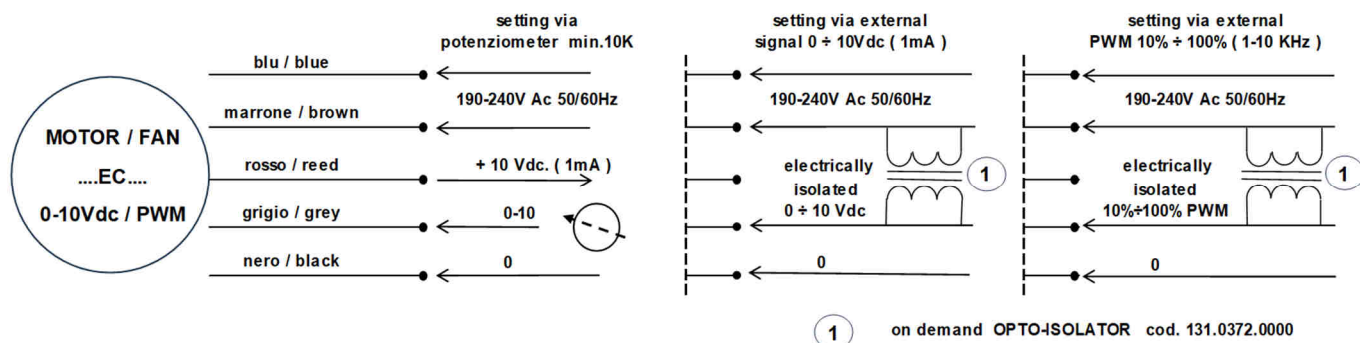
ETD60420EC15 1900÷600rpm



Serie EB 2 speed connection



Serie EC variable speed connection



Tangential ECM fan ETD Ø80 x 360÷605 with motor 15&21



..EB.. = 2 speeds – 1500 / 1100 rpm

***..EC.. = variable speed 1500÷600 rpm by external
signal or 0-10Vdc electrically isolated***



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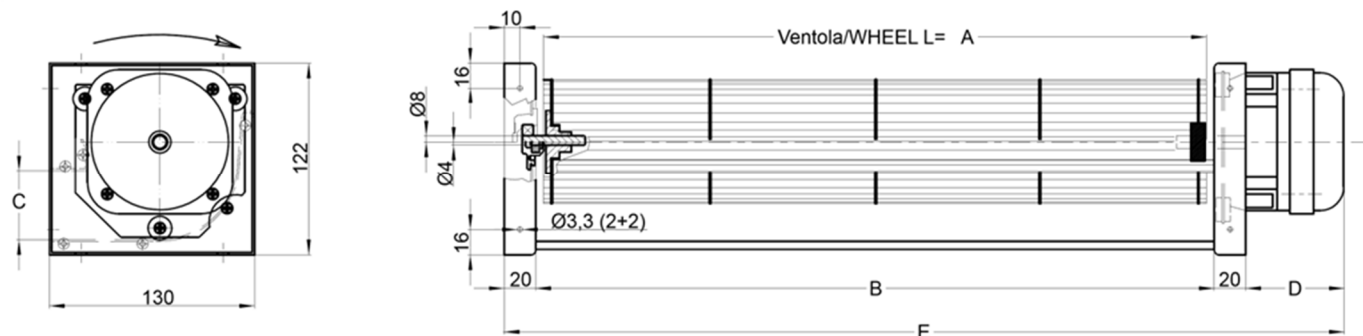
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Ø 80 x L 360 ÷ 605 mm

Serie ETD 80 ECM



Electronic Commutated Motor 15 / 21 - 230V – 50/60Hz (on demand 100V-240V - 50/60Hz universal power supply)

Operation mode	S1	IP protection	44 (on demand 55)	Standard of ref.
Mounting position	All	Marking	CE + (*)	EN 60335-1/A15 /2-24 /2-89 (*) Gas IIA
Motor bearing	Ball	Ambient temp.	-40°C ÷ +50°C	600034-1(REM)-60529 (IP)-60079-15 (*)
Motor protection	Electronically (1)	Max. intake air	+ 50°C	(*)  II 3G Ex nA IIA T6
Locked rotor protec.	Yes	Max °C. storage	-40°C ÷ +80°C	2006/42/CE (Mac.) 2014/35/UE (Low V.)
Insulation	B	Expect. life Ball Bear.	Over 60.000 h	2014/30/UE (EMC) 2015/863 (RoHS3)

(1) Safety protection automatically reduces rpm if exceed W.in limit, reached min. rpm fan stop/restart 3 time and stop working after safe try time

Serie EB ; 2 speed (on demand different rpm)

CODE	Label data				Prot.	Dimensions						Impeller	
	rpm	A	W.in			A	B	C	D	E	F	Ø	H
	50/60Hz	50/60Hz	Min.	Max.									
ETD80360EB15	1500/1100	0.21	10	20	Electr.	360	373	46	63	476		80	360
ETD80505EB15	1500/1100	0.21	10	20		505	518	46	63	621		80	505
ETD80505EB21	1500/1100	0.33	16	34		505	518	46	83	641		80	505
ETD80605EB21	1500/1100	0.35	19	36		605	618	46	83	741		80	605

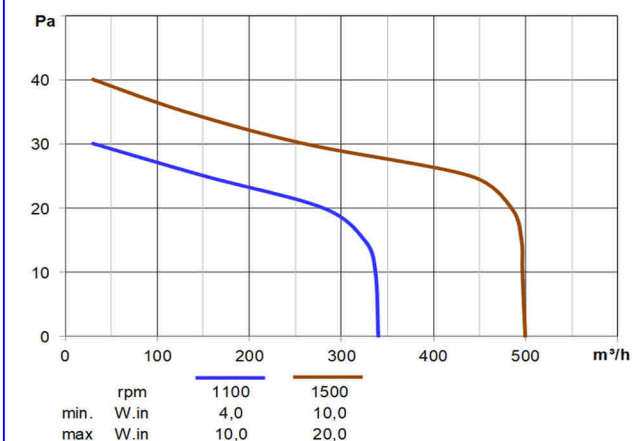
Serie EC ; Variable speed by electrically isolated signal PWM or 0-10Vdc

CODE	Label data				Prot.	Dimensions						Impeller	
	rpm	A	W.in			A	B	C	D	E	F	Ø	H
	50/60Hz	50/60Hz	Min.	Max.									
ETD80360EC15	1500 ÷ 600	0.21	2.8	20	Electr.	360	373	46	63	476		80	360
ETD80505EC15	1500 ÷ 600	0.21	2.8	20		505	518	48	63	621		80	505
ETD80505EC21	1500 ÷ 600	0.33	4.2	34		505	518	46	83	641		80	505
ETD80605EC21	1500 ÷ 600	0.35	4.4	36		605	618	46	83	741		80	605

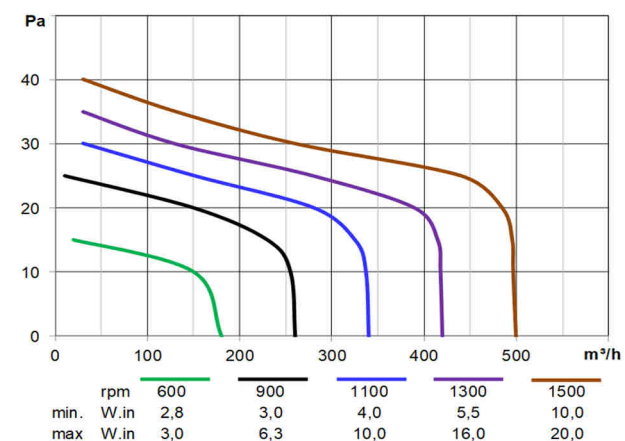
Performances curves

Tangential ECM fans Ø 80

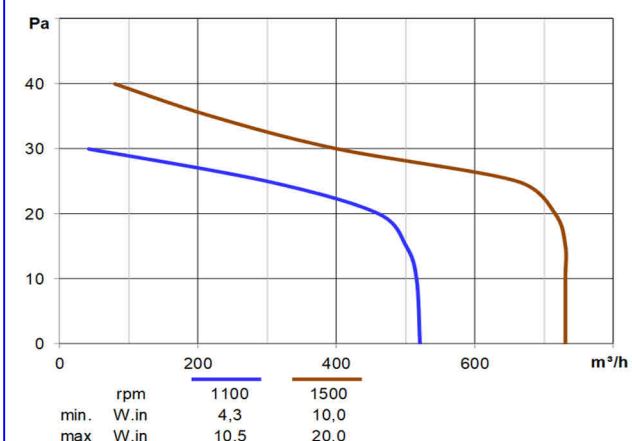
ETD80360EB15 1500/1100rpm



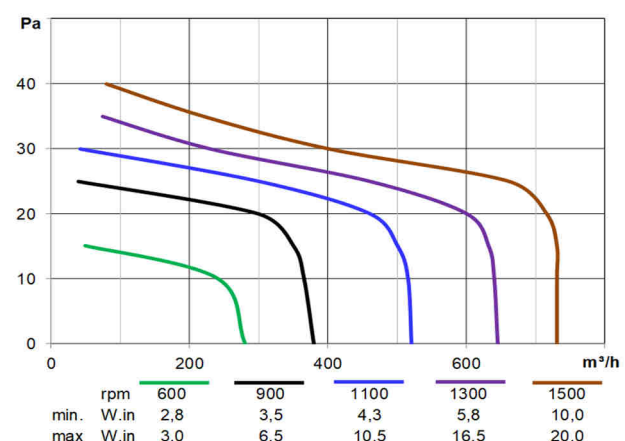
ETD80360C15 1500÷600rpm



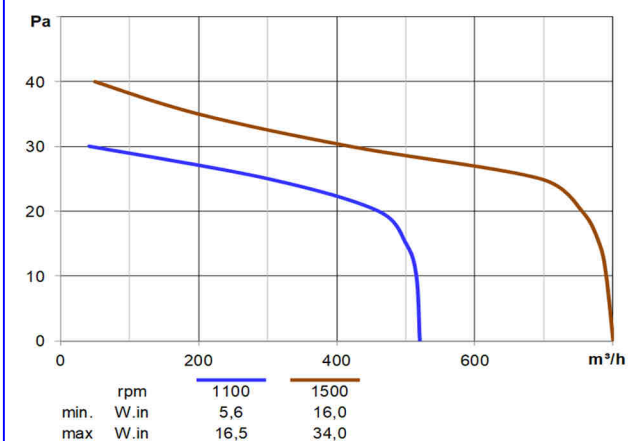
ETD80505EB15 1500/1100rpm



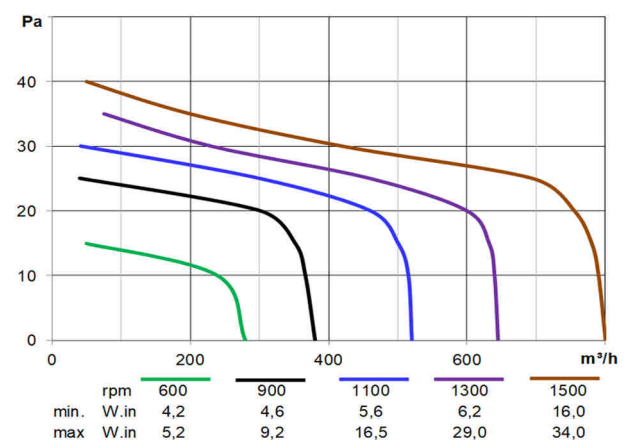
ETD80505EC15 1500÷600rpm



ETD80505EB21 1500/1100rpm



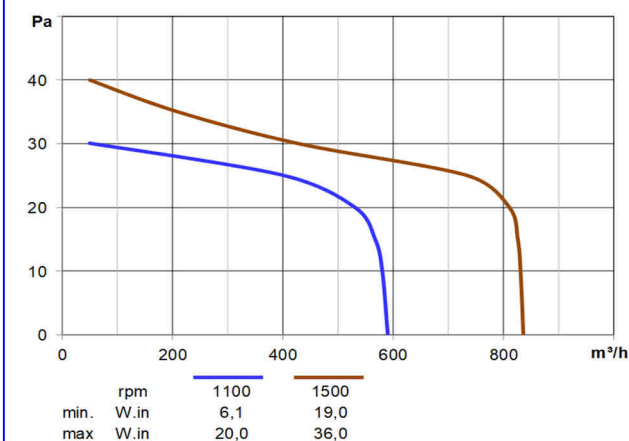
ETD80505EC21 1500÷600rpm



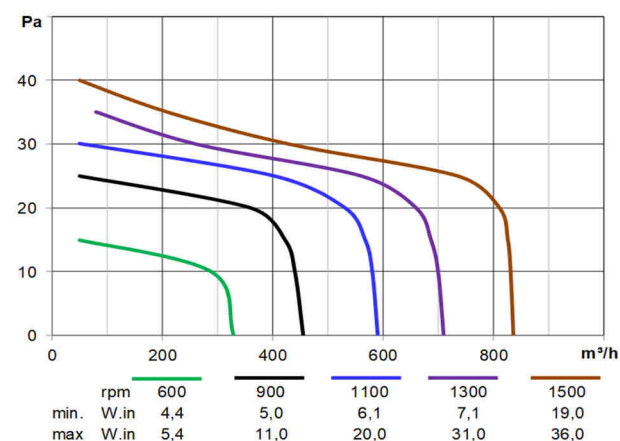
Performances curves

Tangential ECM fans Ø 80

ETD60605EB21 1500/1100rpm

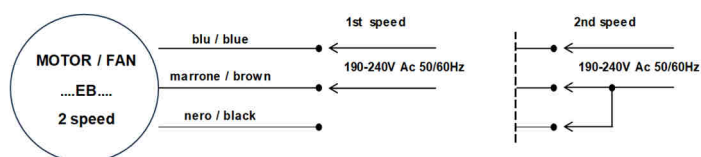


ETD60605EC21 1500÷600rpm



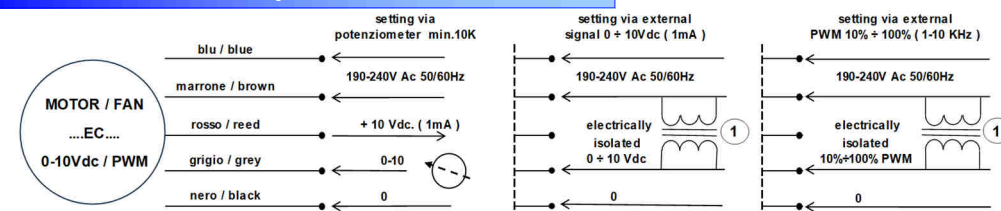
Serie EB 2 speed

connection



Serie EC variable speed

connection



Accessories on demand

(1) OPTO-ISOLATOR for external signal 0-10 Vdc.
not isolated cod 131.0372.0000



Spare and customized single motor

