

**NEW**

# CA ES RANGE

*Energy Saving in-line centrifugal fans in metal*

*Suitable for domestic, commercial and industrial applications: kitchens, bathrooms, offices, laboratories, factories, shops, laundromats, restaurants, bars, theatres, ballrooms, etc.*



- **8 models: CA 100 ES, CA 125 ES, CA 150 Q ES, CA 150 ES, CA 160 ES, CA 200 ES, CA 250 ES, CA 315 ES.**
- Stripped and phosphated steel structure, painted with polyester powder which is particularly resistant to the aggressive action of atmospheric agents.
- Centrifugal impellers with moulded reverse blades in resin plastic.
- Three-phase brushless motor.
- Two levels of airflow, pressure, noise emissions and consumption (for all the models with a diameter until 200).
- Low noise emissions.
- Low specific consumption levels.
- Wide range of continuous operation temperatures between -25°C and +50°C.
- Galvanised steel mounting brackets.
- IMQ Performance certified technical data for models with a diameter of 100, 125, 150, 160 and 200.
- Protection rating: IP44.
- Insulation class: II. □
- Insulation class: I. ⊕ (for models 250 ES and 315 ES).



## TECHNICAL DATA

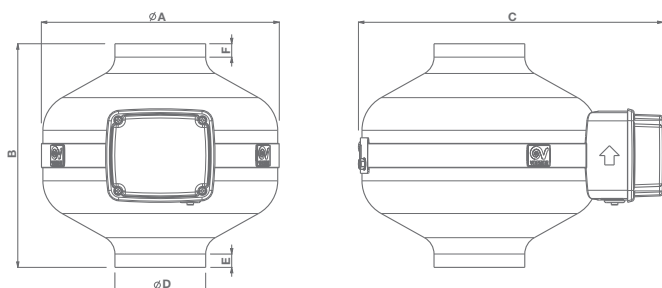
Models	Code	W		A		RPM		Max Airflow				Max Pressure				Lp dB(A)*	Max °C	
		min	max	min	max	min	max	m³/h		l/s		mmH₂O		Pa				min
CA 100 ES	16170	11	29	0.12	0.29	1310	2020	170	270	47	75	16	7	157	363	24.9	36.8	50
		19	55	0.20	0.53	1690	2530	220	340	61	94	27	49	265	480	35.4	43.4	
		35	80	0.35	0.75	2140	2880	280	380	78	105	43	51	422	500	38.5	46.9	
CA 125 ES	16171	11	29	0.12	0.29	1180	1820	220	350	61	97	14	34	137	333	25.3	38.4	50
		19	55	0.20	0.53	1520	2310	280	440	78	122	23	47	225	461	33.2	45.9	
		35	80	0.35	0.75	1930	2620	370	500	103	139	38	49	373	480	40.3	49.7	
CA 150 Q ES	16172	11	29	0.12	0.29	1170	1810	240	380	67	105	11	26	108	255	27.5	40	50
		19	55	0.20	0.53	1515	2300	310	490	86	136	18	42	176	412	34.7	46.6	
		35	80	0.35	0.75	1925	2590	410	560	114	155	30	45	294	441	41.5	49.6	
CA 150 ES	16173	20	30	0.21	0.30	1230	1420	420	480	117	133	17	22	167	216	30.3	34.3	50
		44	105	0.43	0.93	1620	2170	550	750	153	208	29	51	284	500	38	47.3	
		58	120	0.55	1.05	1800	2260	630	820	175	228	36	56	353	549	41.4	48.1	
CA 160 ES	16174	20	30	0.21	0.30	1230	1410	470	540	130	150	17	22	167	216	34.3	35.1	50
		44	105	0.43	0.93	1620	2160	630	840	175	233	29	51	284	500	39.2	47.1	
		58	120	0.55	1.05	1780	2230	700	890	194	247	36	56	353	549	41.7	48.1	
CA 200 ES	16175	20	30	0.21	0.30	1210	1385	580	675	161	187	15	20	147	196	32.1	34.8	50
		44	105	0.43	0.93	1600	2140	770	1050	214	292	26	47	255	461	38	46.7	
		58	120	0.55	1.05	1760	2240	880	1120	244	311	31	50	304	490	40.8	47.6	
CA 250 ES	16176	140		1.20		3050		1150		319		73		716		57.3		50
CA 315 ES	16177	148		1.27		1935		1800		500		51		500		50.7		50

\* Sound pressure level measured at 3 m in free field conditions with long-cased appliance in delivery mode in accordance with standard EN ISO 9614.

Electrical supply: 230 V ~ 50 Hz.









## DIMENSIONS



Models	Ø A	B	C	Ø D	E	F	Kg
CA 100 ES	255	239	330	97	15	15	2.7
CA 125 ES				122	23	23	2.6
CA 150 Q ES				147	30	30	2.6
CA 150 ES	347	275	422	147	17	17	4.5
CA 160 ES				157	18	18	4.6
CA 200 ES				197	20	17	4.6
CA 250 ES				267	30	35	4.9
CA 315 ES	406	362	455	315	35	30	6.9


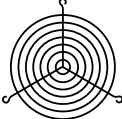



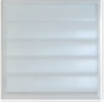
Dimensions (mm)







## PRODUCT ACCESSORIES

Models		Code	Product							
			CA 100 ES code 16170	CA 125 ES code 16171	CA 150 ES code 16172	CA 150 Q ES code 16173	CA 160 ES code 16174	CA 200 ES code 16175	CA 250 ES code 16176	CA 315 ES code 16177
	<b>C HCS</b> Environmental sensor for humidity	12994	●	●	●	●	●	●	●	●
	<b>C TEMP</b> Environmental sensor for temperature	12992	●	●	●	●	●	●	●	●
	<b>C SMOKE</b> Environmental sensor for air quality	12993	●	●	●	●	●	●	●	●
	<b>C PIR</b> Passive infrared sensor	12998	●	●	●	●	●	●	●	●
	<b>C TIMER</b> Adjustable over-run timer	12999	●	●	●	●	●	●	●	●
	<b>CA-MU</b>	22674	●	●	●	●	●	●	●	●

Description and sizes on page 98

## SYSTEM COMPONENTS

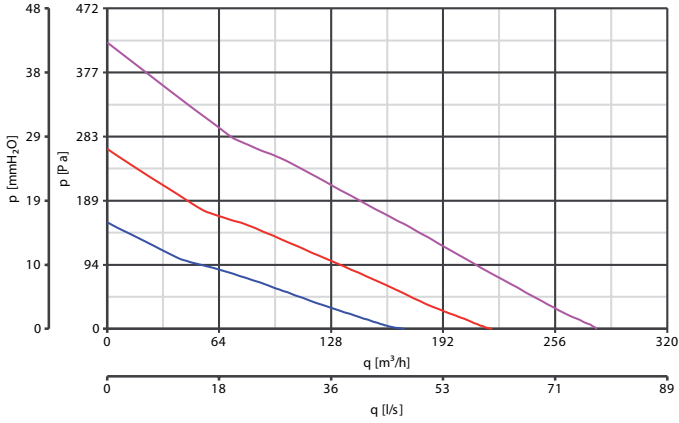
Models		Code	Product							
			CA 100 ES code 16170	CA 125 ES code 16171	CA 150 ES code 16172	CA 150 Q ES code 16173	CA 160 ES code 16174	CA 200 ES code 16175	CA 250 ES code 16176	CA 315 ES code 16177
	<b>IN-LINE-S 100</b> Backdraught shutter nominal diameter 100 mm	<b>22551</b>	●							
	<b>IN-LINE-S 125</b> Backdraught shutter nominal diameter 125 mm	<b>22556</b>		●						
	<b>IN-LINE-S 150</b> Backdraught shutter nominal diameter 150 mm	<b>22562</b>			●	●				
	<b>IN-LINE-S 160</b> Backdraught shutter nominal diameter 160 mm	<b>22563</b>					●			
	<b>IN-LINE-S 200</b> Backdraught shutter nominal diameter 200 mm	<b>22566</b>						●		
	<b>IN-LINE-S 250</b> Backdraught shutter nominal diameter 250 mm	<b>22571</b>							●	
	<b>N-LINE-S 315</b> Backdraught shutter nominal diameter 315 mm	<b>22576</b>								●
	<b>CA-G 100</b> Protection grille nominal diameter 100 mm	<b>22750</b>	●							
	<b>CA-G 125</b> Protection grille nominal diameter 125 mm	<b>22755</b>		●						
	<b>CA-G 150</b> Protection grille nominal diameter 150 mm	<b>22760</b>			●	●				
	<b>CA-G 160</b> Protection grille nominal diameter 160 mm	<b>22762</b>					●			
	<b>CA-G 200</b> Protection grille nominal diameter 200 mm	<b>22765</b>						●		
	<b>CA-G 250</b> Protection grille nominal diameter 250 mm	<b>22770</b>							●	
	<b>CA-G 315</b> Protection grille nominal diameter 315 mm	<b>22775</b>								●
	<b>AH 100</b> Duct heater nominal diameter 100	<b>22796</b>	●							
	<b>AH 125</b> Duct heater nominal diameter 125	<b>22797</b>		●						
	<b>AH 150</b> Duct heater nominal diameter 150	<b>22759</b>			●	●				
	<b>AH 160</b> Duct heater nominal diameter 160	<b>22798</b>					●			
	<b>AH 200</b> Duct heater nominal diameter 200	<b>22790</b>						●		
	<b>AH 250</b> Duct heater nominal diameter 250	<b>22791</b>							●	
	<b>AH 315</b> Duct heater nominal diameter 315	<b>22792</b>								●
	<b>NA 100</b> Noise attenuator nominal diameter 100	<b>22780</b>	●							
	<b>NA 125</b> Noise attenuator nominal diameter 125	<b>22781</b>		●						
	<b>NA 150</b> Noise attenuator nominal diameter 150	<b>22756</b>			●	●				
	<b>NA 160</b> Noise attenuator nominal diameter 160	<b>22783</b>					●			
	<b>NA 200</b> Noise attenuator nominal diameter 200	<b>22784</b>						●		
	<b>NA 250</b> Noise attenuator nominal diameter 250	<b>22785</b>							●	
	<b>NA 315</b> Noise attenuator nominal diameter 315	<b>22786</b>								●
	<b>AF 100</b> Filter box nominal diameter 100	<b>22793</b>	●							
	<b>AF 125</b> Filter box nominal diameter 125	<b>22794</b>		●						
	<b>AF 150</b> Filter box nominal diameter 150	<b>22799</b>			●	●				
	<b>AF 160</b> Filter box nominal diameter 160	<b>22795</b>					●			
	<b>AF 200</b> Filter box nominal diameter 200	<b>22787</b>						●		
	<b>AF 250</b> Filter box nominal diameter 250	<b>22788</b>							●	
	<b>GGR 100</b> Gravity shutter for models with nominal diameter 100	<b>22332</b>	●							
	<b>GGR 125</b> Gravity shutter for models with nominal diameter 125	<b>22333</b>		●						
	<b>GGR 150/160</b> Gravity shutter for models with nominal diameter 150/160	<b>22334</b>			●	●	●			
	<b>GGR 200</b> Gravity shutter for models with nominal diameter 200	<b>22335</b>						●		
	<b>GGR 250</b> Gravity shutter for models with nominal diameter 250	<b>22336</b>							●	
	<b>GGR 315</b> Gravity shutter for models with nominal diameter 315	<b>22337</b>								●

Models	Code	Product								
		CA 100 ES code 16170	CA 125 ES code 16171	CA 150 ES code 16172	CA 150 Q ES code 16173	CA 160 ES code 16174	CA 200 ES code 16175	CA 250 ES code 16176	CA 315 ES code 16177	
	<b>FG 100</b> Fixed grille for models with nominal diameter 100	22165	●							
	<b>FG 125</b> Fixed grille for models with nominal diameter 125	22166		●						
	<b>FG 150</b> Fixed grille for models with nominal diameter 150	22167			●	●	●			
	<b>AV 100</b> Air valve nominal diameter 100	22189	●							
	<b>AV 125</b> Air valve nominal diameter 125	22190		●						
	<b>AV 150</b> Air valve nominal diameter 150	22191			●	●				
	<b>AV 160</b> Air valve nominal diameter 160	22192					●			
	<b>AV 200</b> Air valve nominal diameter 200	22193						●		
	<b>CD 200</b> Air diffuser nominal diameter 200	22127						●		
	<b>CD 250</b> Air diffuser nominal diameter 250	22168							●	
	<b>CD 315</b> Air diffuser nominal diameter 315	22169								●
	<b>AFD 100-4</b> Aluminium flexible duct nominal diameter 100	22175	●							
	<b>AFD 125-4</b> Aluminium flexible duct nominal diameter 125	22176		●						
	<b>AFD 150-4</b> Aluminium flexible duct nominal diameter 150	22177			●	●				
	<b>AFD 160-10</b> Aluminium flexible duct nominal diameter 160	22178					●			
	<b>AFD 200-10</b> Aluminium flexible duct nominal diameter 200	22179						●		
	<b>AFD 250-10</b> Aluminium flexible duct nominal diameter 250	22180							●	
	<b>AFD 315-10</b> Aluminium flexible duct nominal diameter 315	22181								●
	<b>AFD-I 100-4</b> Insulated aluminium flexible nominal diameter 100	22182	●							
	<b>AFD-I 125-4</b> Insulated aluminium flexible nominal diameter 125	22183		●						
	<b>AFD-I 150-4</b> Insulated aluminium flexible nominal diameter 150	22184			●	●				
	<b>AFD-I 160-10</b> Insulated aluminium flexible nominal diameter 160	22185					●			
	<b>AFD-I 200-10</b> Insulated aluminium flexible nominal diameter 200	22186						●		
	<b>AFD-I 250-10</b> Insulated aluminium flexible nominal diameter 250	22187							●	
	<b>AFD-I 315-10</b> Insulated aluminium flexible nominal diameter 315	22188								●
	<b>CA-FU 100</b> Pipe clamps (2 pieces) nominal diameter 100	22667	●							
	<b>CA-FU 125</b> Pipe clamps (2 pieces) nominal diameter 125	22668		●						
	<b>CA-FU 150</b> Pipe clamps (2 pieces) nominal diameter 150	22669			●	●				
	<b>CA-FU 160</b> Pipe clamps (2 pieces) nominal diameter 160	22666					●			
	<b>CA-FU 200</b> Pipe clamps (2 pieces) nominal diameter 200	22671						●		
	<b>CA-FU 250</b> Pipe clamps (2 pieces) nominal diameter 250	22672							●	
	<b>CA-FU 315</b> Pipe clamps (2 pieces) nominal diameter 315	22673								●

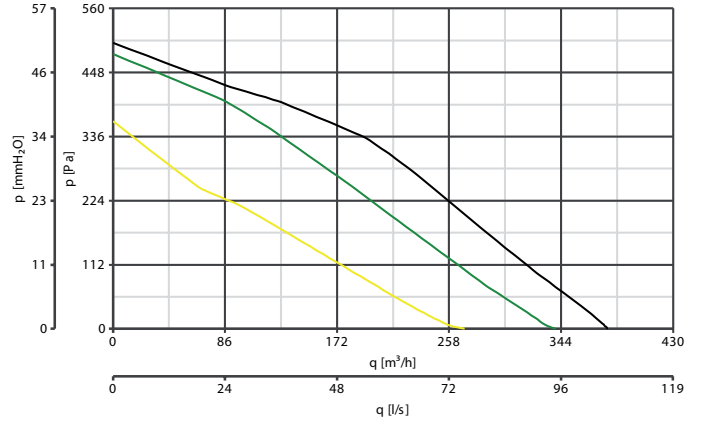
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# PERFORMANCE CURVES

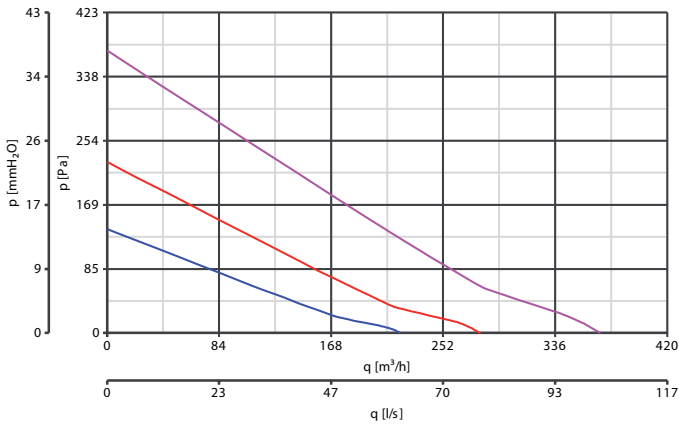
CA 100 ES - min speed



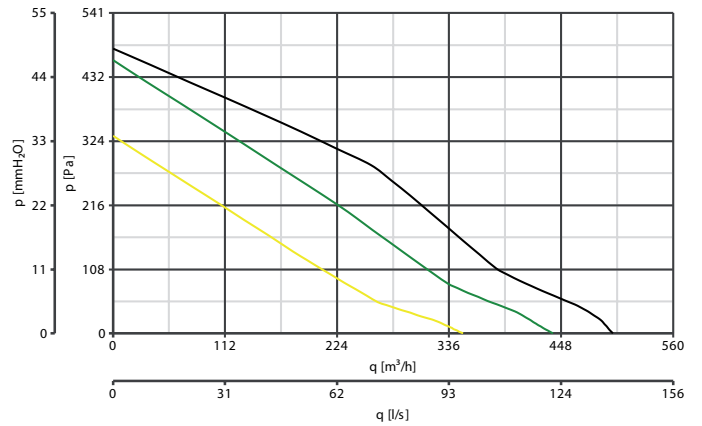
CA 100 ES - max speed



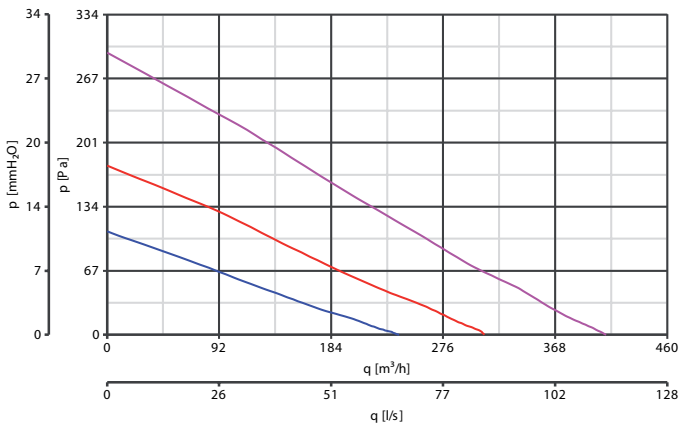
CA 125 ES - min speed



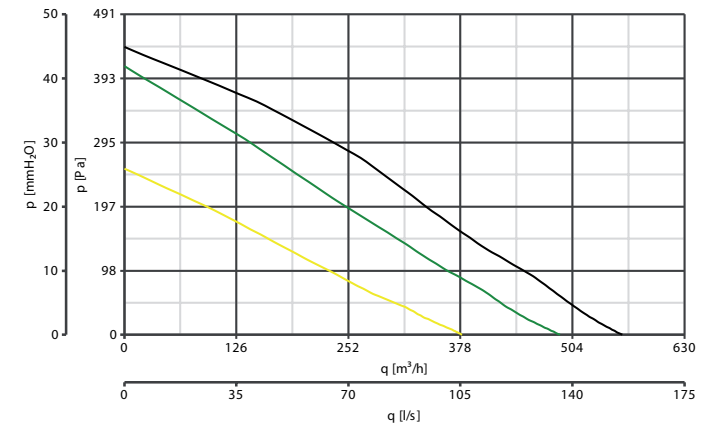
CA 125 ES - max speed



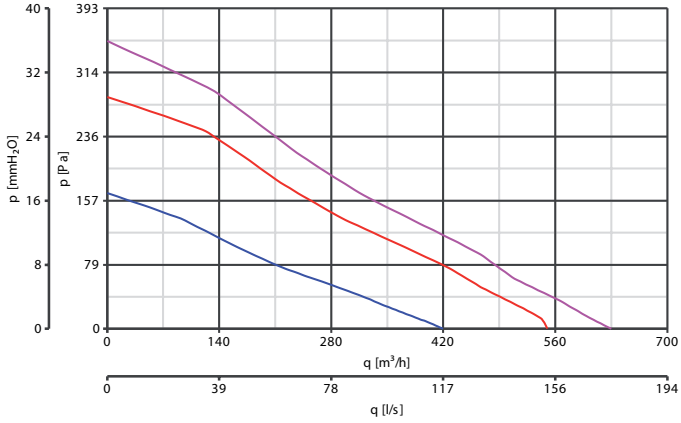
CA 150 Q ES - min speed



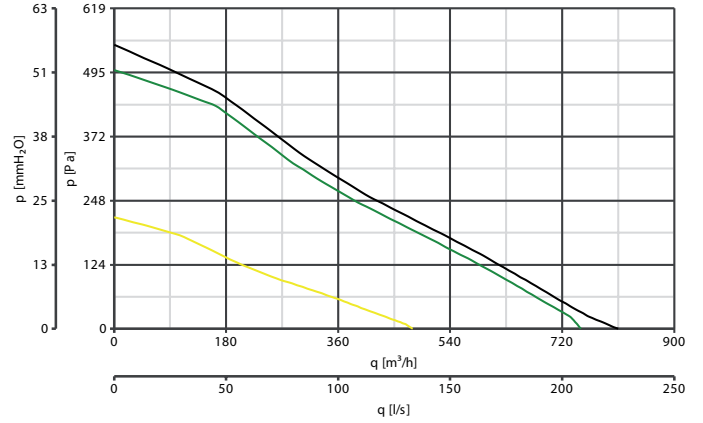
CA 150 Q ES - max speed



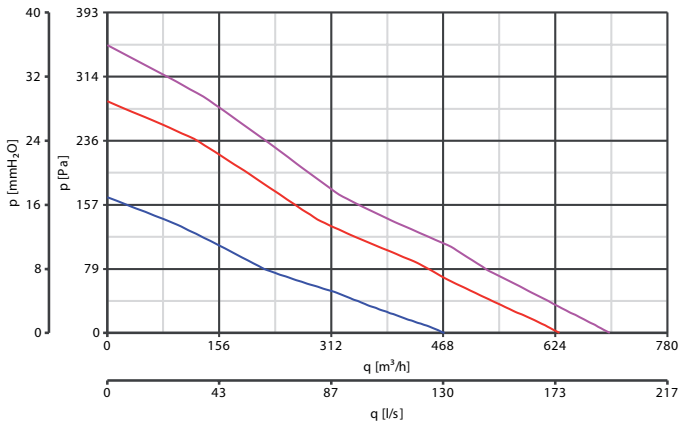
CA 150 ES - min speed



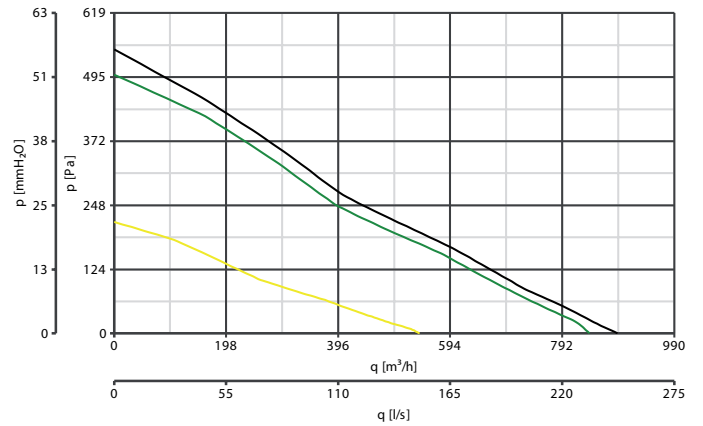
CA 150 ES - max speed



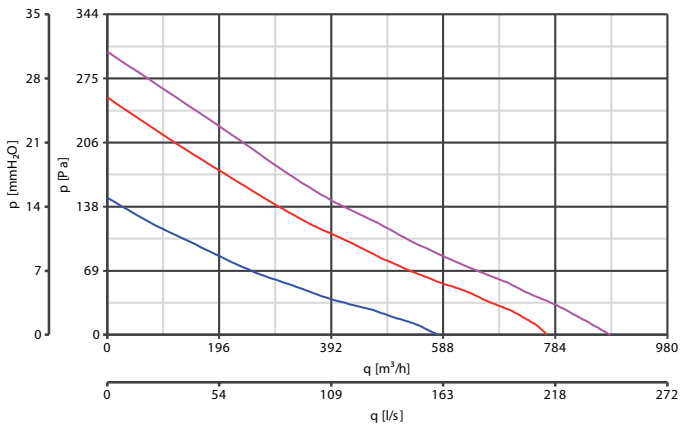
CA 160 ES - min speed



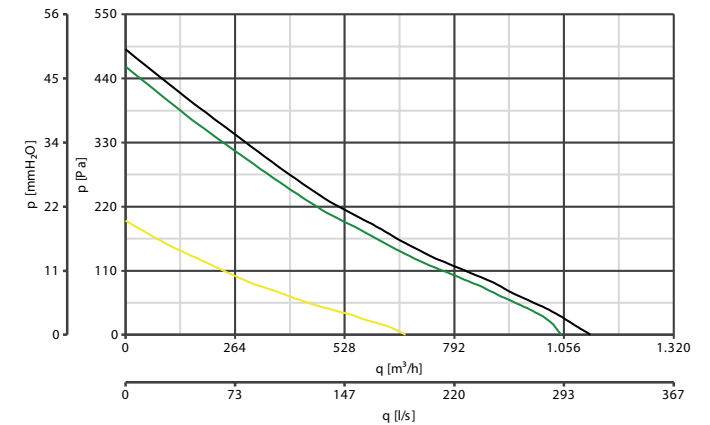
CA 160 ES - max speed



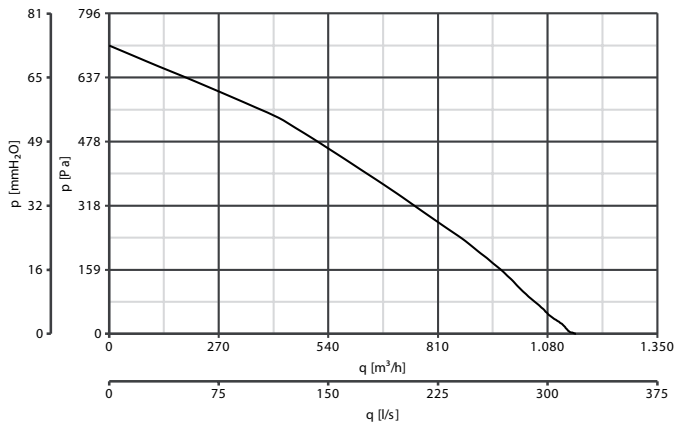
CA 200 ES - min speed



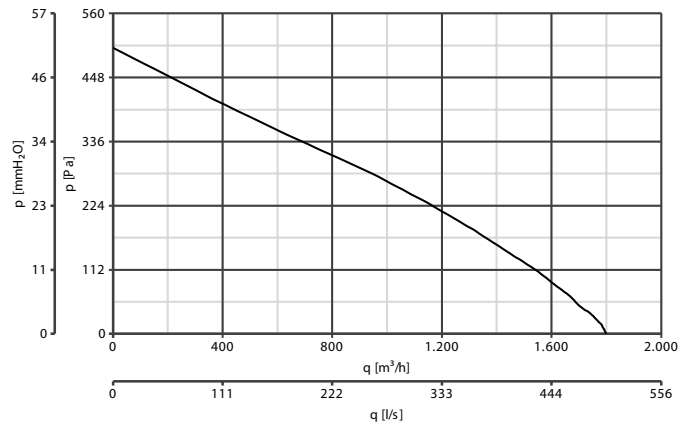
CA 200 ES - max speed



**CA 250 ES**



**CA 315 ES**



**min speed**

- min. setting
- nominal setting
- max. setting

**max speed**

- min. setting
- nominal setting
- max. setting

p = static pressure