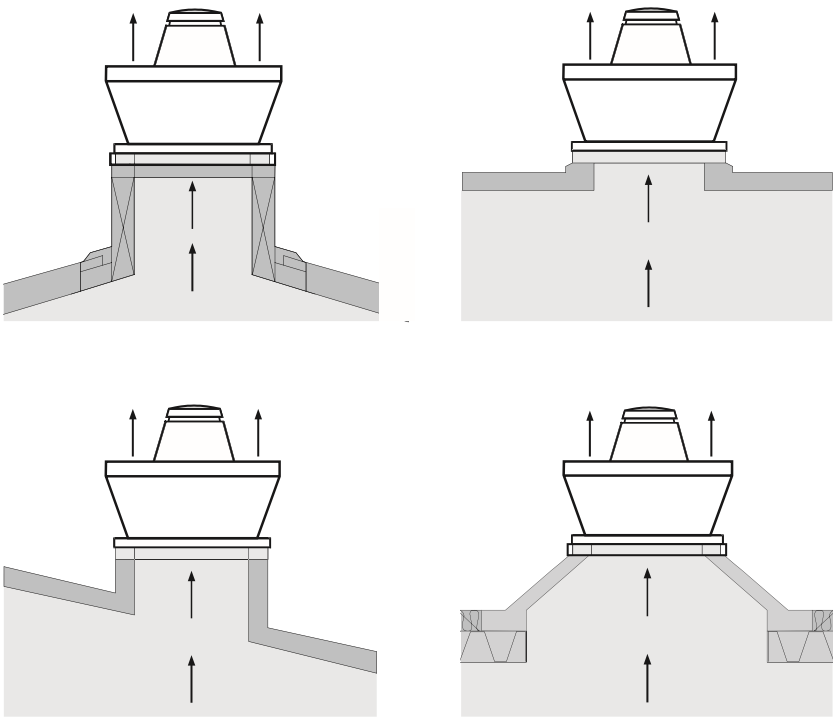
TORRETTE TR E-V RANGE
Centrifugal roof fans with vertical discharge

PRODUCT SPECIFICATIONS

Suitable for application in residential and industrial environments, for factories, hospitals, nightclubs, officies, theatres, apartment blocks, gyms, restaurants, etc... Easy to install on top of all roofs.

- 20 models: 6 single-phase and 14 three-phase.
- Vertical air extraction with polyester painted, galvanised steel reinforcements.
- Metal frame coated in corrosion-proof epoxy resin to assure long life and weather resistance.
- Aerodynamic suction nozzle in polyester painted steel sheet.
- All models fitted with steel bird guard.
- Asynchronous induction motor, standard size UNELMEC B5, self-ventilated, with rotor mounted on ball bearings.
- Galvanised steel sheet fan with self cleaning, backward curved blades, self-ventilating, die cast aluminium hub, clockwise rotation (intake view).
- Single phase models can be controlled by an optional speed controller. Alternatively they can be controlled by means of optional inverters.
- Delivery up to 18.000 m^3/h.
- Motor insulation class H for models 15182, 15190, 15193, 15195, 15196; F for all other models.
- Protection rating: IP55.
- Insulation class: Cl.I ⏚ .



KEY FEATURES

- For installation in commercial and industrial environments, gyms, discos, offices, theatres, apartment buildings, restaurants, etc.
- To assure product safety over time, all models are fitted with a safety cable to anchor the machine to the support base
- Easy to install on all types of roof.
- Secure using the eyebolt to facilitate lifting and transportation.
- For low dust, acid-free and non-corrosive air extraction only. Not suitable for installation on ducts located directly above fireplaces or burners.

TECHNICAL DATA

	Models	Code	V ~ 50 Hz	W min/max	A min/max	Poles	RPM min/max	Max Airflow		Max Pressure		Lp dB(A)*	Max °C	Kg
								m^3/h min/max	l/s min/max	mm H_2O min/max	Pa min/max			
Single - phase	TRM 10 E-V 4P	15180	230	100	0.50	4	1400	1100	306	22	216	56	90	23
	TRM 15 E-V 4P	15182	230	150	0.70	4	1400	1440	389	26	255	58.5	80	24
	TRM 20 E-V 4P	15197	230	280	1.30	4	1415	2600	722	36	353	62	85	43
	TRM 30 E-V 4P	15198	230	400	1.80	4	1425	3300	917	44	432	67	70	45
	TRM 50 E-V 4P	15199	230	800	3.70	4	1480	4800	1333	55	540	72.5	80	51
	TRM 70 E-V 4P	15188	230	1000	4.35	4	1415	6400	1778	67.5	662	77	90	105
Three - phase	TRT 10 E-V 4P	15181	400	100	0.30	4	1400	1100	306	22	216	56	90	23
	TRT 15 E-V 4P	15183	400	150	0.30	4	1400	1400	389	26	255	58.5	90	24
	TRT 20 E-V 4P	15184	400	300	0.60	4	1400	2700	750	35	343	62	90	43
	TRT 30 E-V 4P	15185	400	400	0.75	4	1400	3200	889	46	451	67	90	45
	TRT 50 E-V 4P	15186	400	800	1.45	4	1400	4900	1361	61	598	72.5	90	51
	TRT 70 E-V 4P	15187	400	950	1.85	4	1440	6400	1778	69	674	77	90	103
	TRT 70 E-V 6P	15189	400	600	1.30	6	950	7000	1944	38	373	74	90	106
	TRT 100 E-V 4P	15190	400	1900	3.25	4	1420	10000	2778	84.5	830	84	70	107

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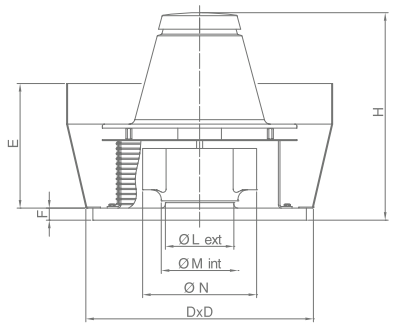
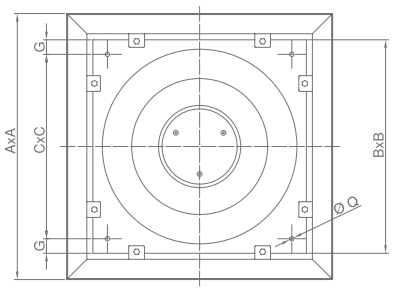
TECHNICAL DATA

	Models	Code	V ~ 50 Hz	W min/max	A min/max	Poles	RPM min/max	Max Airflow		Max Pressure		Lp dB(A)*	Max °C	Kg
								m^3/h min/max	l/s min/max	mm H_2O min/max	Pa min/max			
Three - phase	TRT 100 E-V 6P	15191	400	1100	2.30	6	950	10800	3000	48	471	77	85	161
	TRT 100 E-V 8P	15192	400	930	2.10	8	715	11000	3056	34	334	71	80	171
	TRT 150 E-V 6P	15193	400	1930	3.45	6	930	15000	4167	61	598	80	80	172
	TRT 150 E-V 8P	15194	400	1600	3.10	8	715	15000	4167	45	441	74	75	176
	TRT 180 E-V 6P	15195	400	3100	5.95	6	970	16000	4444	79	775	83	80	174
	TRT 210 E-V 6P	15196	400	3400	6.40	6	980	18000	5000	79	775	84	70	176

* The sound pressure values conform to standard ISO 3744.
The appliances are designed so that they are able to operate at an air temperature more than 65°C.

DIMENSIONS

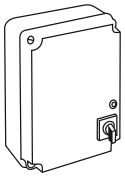
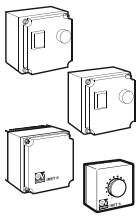
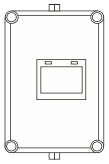
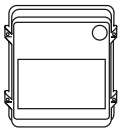




	Models	ØA	ØB	ØC	ØD	E	F	G	H	Ø L	Ø M	Ø N	Ø Q
Single - phase	TRM 10 E-V 4P	652	410	357	440	328	38	26.5	502	170	187.5	283	11
	TRM 15 E-V 4P	652	410	357	440	328	38	26.5	502	182	199	315	11
	TRM 20 E-V 4P	907	550	500	580	432	38	25	586	219	236.5	359	11
	TRM 30 E-V 4P	907	550	500	580	432	38	25	604	244	265.5	404	11
	TRM 50 E-V 4P	907	550	500	580	432	38	25	631	278	298	454	11
	TRM 70 E-V 4P	1144	830	750	860	491	38	40	723	328	335	504	12
Three - phase	TRT 10 E-V 4P	652	410	357	440	328	38	26.5	502	170	187.5	283	11
	TRT 15 E-V 4P	652	410	357	440	328	38	26.5	502	182	199	315	11
	TRT 20 E-V 4P	907	550	500	580	432	38	25	586	219	236.5	359	11
	TRT 30 E-V 4P	907	550	500	580	432	38	25	604	244	265.5	404	11
	TRT 50 E-V 4P	907	550	500	580	432	38	25	631	278	298	454	11
	TRT 70 E-V 6P	1144	830	750	860	491	38	40	723	365	375	564	12
	TRT 100 E-V 4P	1144	830	750	860	491	38	40	723	365	375	504	12
	TRT 100 E-V 6P	1462	980	900	1010	595	38	40	903	415	421	635	12
	TRT 100 E-V 8P	1462	980	900	1010	595	38	40	903	465	472	715	12
	TRT 150 E-V 6P	1462	980	900	1010	595	38	40	903	465	472	715	12
	TRT 150 E-V 8P	1462	980	900	1010	595	38	40	903	520	529	805	12
	TRT 180 E-V 6P	1462	980	900	1010	595	38	40	903	520	529	805	12
	TRT 210 E-V 6P	1462	980	900	1010	595	38	40	903	520	529	805	12

Dimensions (mm)

ACCESSORIES

	Description	Code	Product
	IRM 30 - Three position single phase speed controller	12921	15180 - 15182
	IRM 40 - Three position single phase speed controller	12922	15197 - 15198
	IRM 50 - Three position single phase speed controller	12928	15199
	IRT 15 - Three position three phase speed controller	12923	15181 - 15183 - 15184
	IRT 35 - Three phase variable voltage drive	12924	15185 - 15186 - 15189 - 15192
	IRT 40 - Three position three phase speed controller	12927	15187 - 15190 - 15191 - 15193 - 15194
	IREM 3 - Single - phase speed controller	12931	15180 - 15182 - 15197 - 15198
	IREM 5 - Single - phase speed controller	12932	15280 - 15182 - 15188 - 15199
	IREM 9 - Single - phase speed controller	12933	15180 - 15182 - 15188
	IRET 6 - Three - phases speed controller	12934	15187 - 15189 - 15190 - 15191 - 15192 15193 - 15194
	IRET INVERTER 1.2 - Three- phase speed controller INVERTER	12909	15181 - 15183 - 15184 - 15185
	IRET INVERTER 2.2 - Three - phase speed controller INVERTER	12925	15286 - 15187 - 15189 - 15191 - 15192
	IRET INVERTER 5 - Three - phase speed controller INVERTER	12947	15190 - 15193 - 15194
	IRET INVERTER 8 - Three - phase speed controller INVERTER	12989	15195 - 15196
	IREM INVERTER 1.4 Single-phase speed controller INVERTER	12935	15181 - 15183 - 15184 - 15185
	IREM INVERTER 4.2 Single-phase speed controller INVERTER	12936	15186 - 15187 - 15189 - 15191 - 15192
	IREM INVERTER 7 Single-phase speed controller INVERTER	12937	15190 - 15193 - 15194
	IREM INVERTER 4M - Single - phase speed controller	12815	15180 - 15182 - 15197 - 15198
	IREM INVERTER 6 M - Single - phase speed controller	12818	15199 - 15188
	IRET INVERTER 2.5 M - Three - phase speed controller	12816	15181 - 15183 - 15184 - 15185 - 15186 15187 - 15189 - 15192
	IRET INVERTER 5 M - Three - phase speed controller	12817	15190 - 15191 - 15193 - 15194
	POTENTIOMETER	12819	12815 - 12816 - 12817 - 12818

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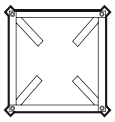
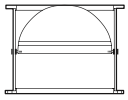
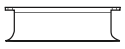
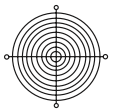
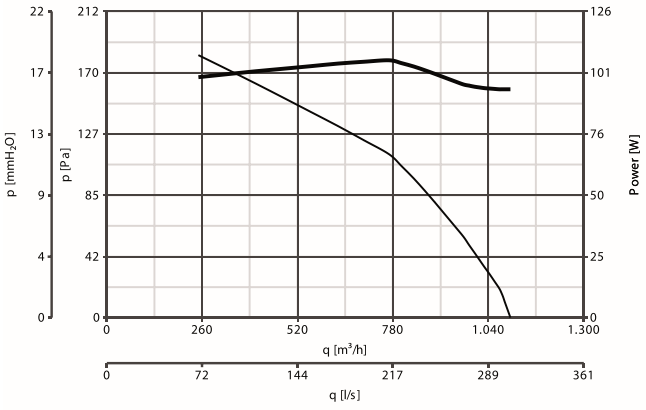
ACCESSORIES

	Description	Code	Product
	TR-CU - 10/15 Sub - frame	22511	15180 - 15181 - 15182 - 15183
	TR-CU - 20/30/50 Sub - frame	22512	15184 - 15185 - 15186 - 15197 - 15198 - 15199
	TR-CU - 70/100 Sub - frame	22539	15187 - 15188 - 15189 - 15190
	TR-CU - 100/150/180/210 Sub - frame	22540	15191 - 15192 - 15193 - 15194 - 15195 -15196
	TR-S - 10/15 Backdraught shutter	22500	15180 - 15181 - 15182 - 15183
	TR-S - 20/30/50 Backdraught shutter	22510	15184 - 15185 - 15186 - 15197 - 15198 - 15199
	TR-S - 70/100 Backdraught shutter	22541	15187 - 15188 - 15189 - 15190
	TR-S - 100/150/180/210 Backdraught shutter	22542	15191 - 15192 - 15193 - 15194 - 15195 -15196
	TR-B - 10/15 Suction connector	22600	15180 - 15181 - 15182 - 15183
	TR-B - 20/30/50 Suction connector	22610	15184 - 15185 - 15186 - 15197 - 15198 - 15199
	TR-B - 70/100 Suction connector	22508	15187 - 15188 - 15189 - 15190
	TR-B - 100/150/180/210 Suction connector	22509	15191 - 15192 - 15193 - 15194 - 15195 -15196
	TR-G - 10/15 Intake port protection grille	22700	15180 - 15181 - 15182 - 15183
	TR-G - 20/30/50 Intake port protection grille	22710	15184 - 15185 - 15186 - 15197 - 15198 - 15199
	TR-G - 70/100 Intake port protection grille	22506	15187 - 15188 - 15189 - 15190
	TR-G - 100/150/180/210 Intake port protection grille	22507	15191 - 15192 - 15193 - 15194 - 15195 -15196

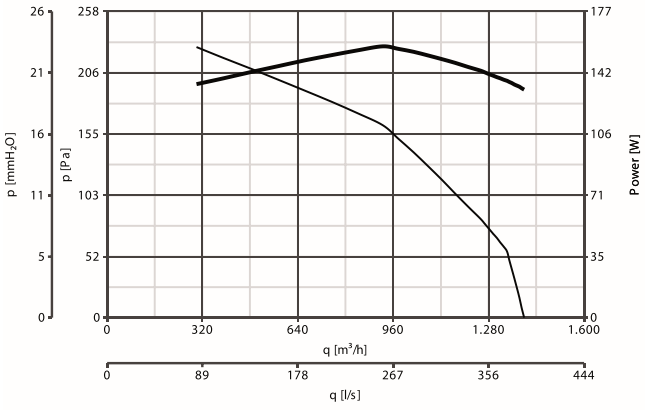
PERFORMANCE CURVES

P= power consumption — ps = delivery

TRM 10 E-V 4P cod. 15180



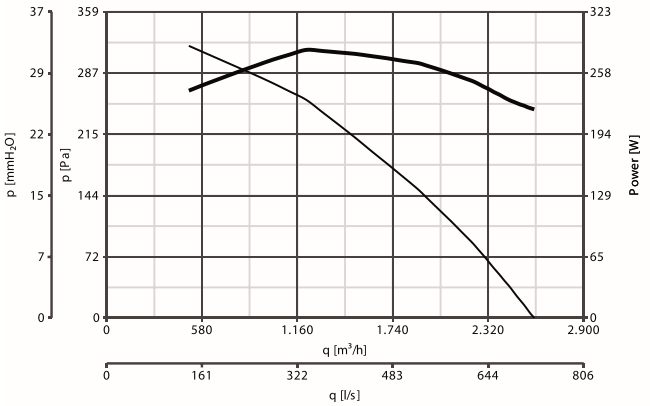
TRM 15 E-V 4P cod. 15182



PERFORMANCE CURVES

P= power consumption — ps = delivery

TRM 20 E-V 4P cod. 15197



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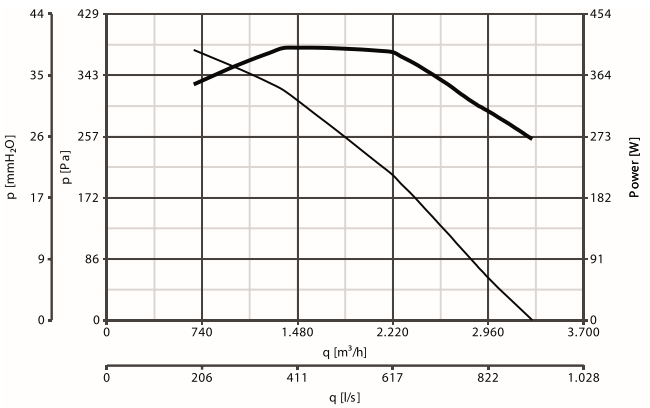
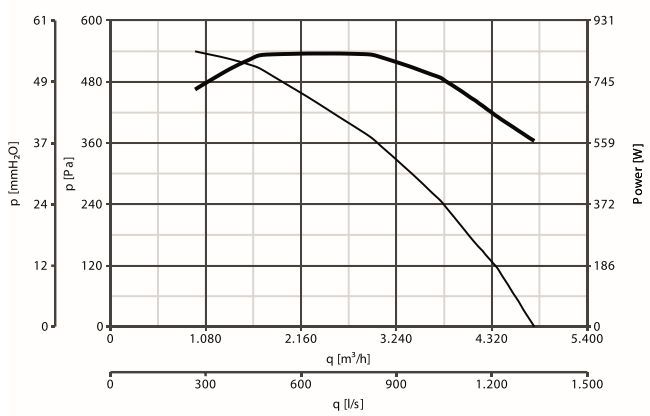
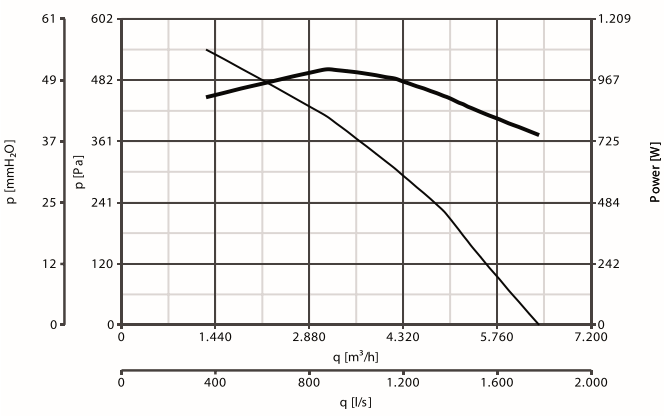


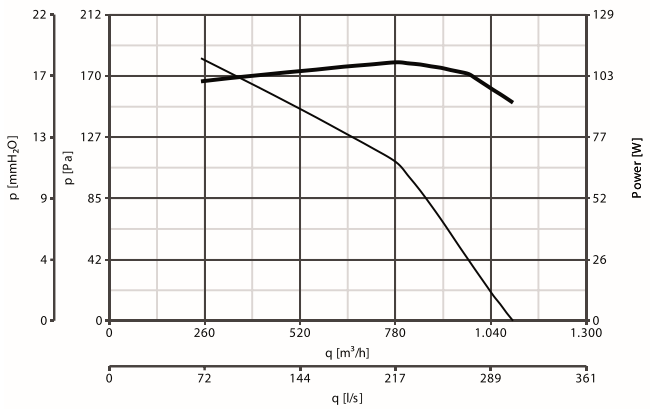
TRM 50 E-V 4P cod. 15199



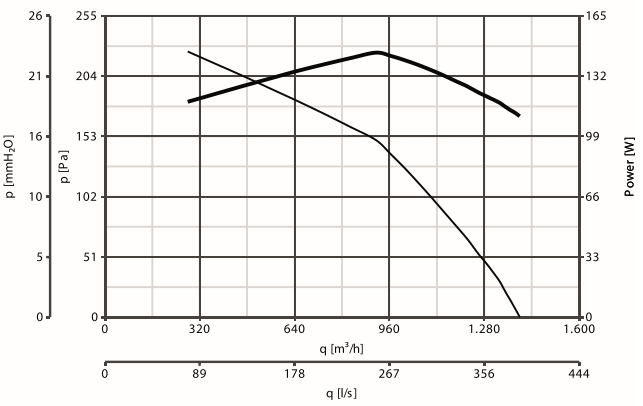
TRM 70 E-V 4P cod. 15188



TRT 10 E-V 4P cod. 15181



TRT 15 E-V 4P cod. 15183



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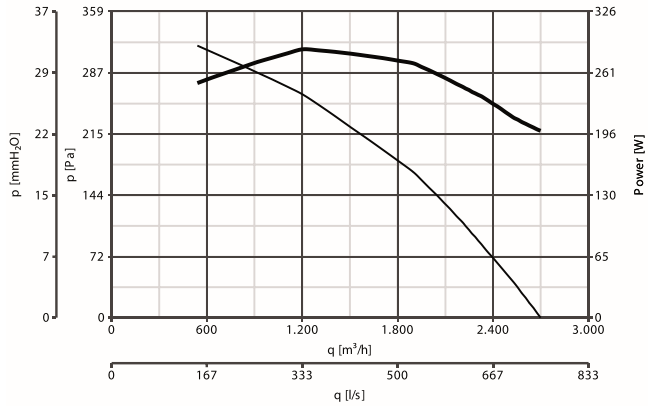
Centrifugal roof fans with vertical discharge

PERFORMANCE CURVES

P= power consumption — ps = delivery

TRT 20 E-V 4P cod. 15184



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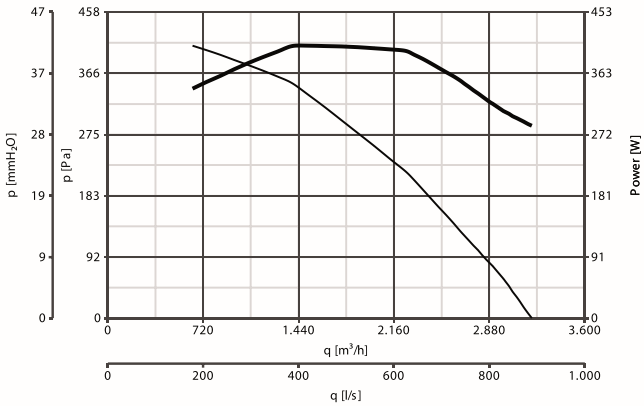

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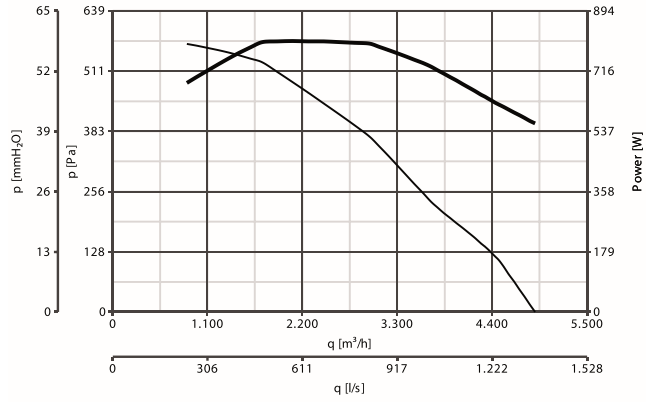
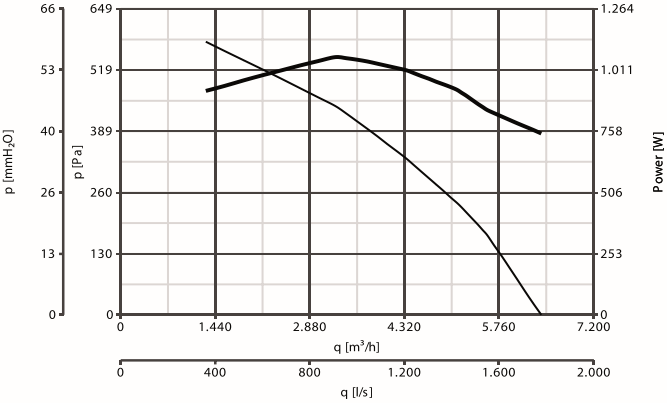


TRT 70 E-V 4P cod. 15187



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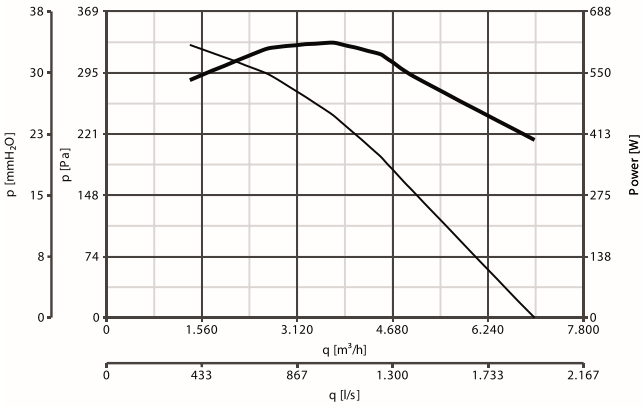
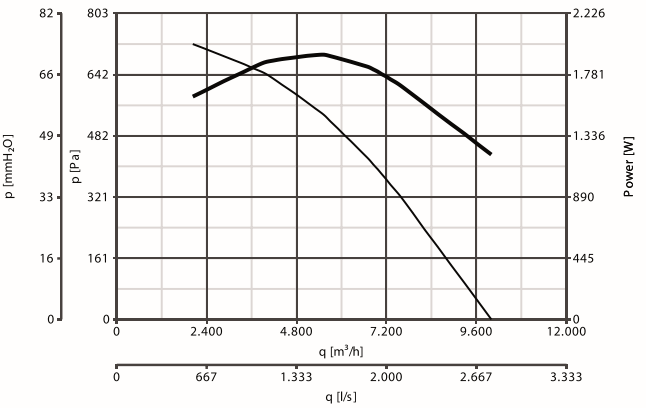


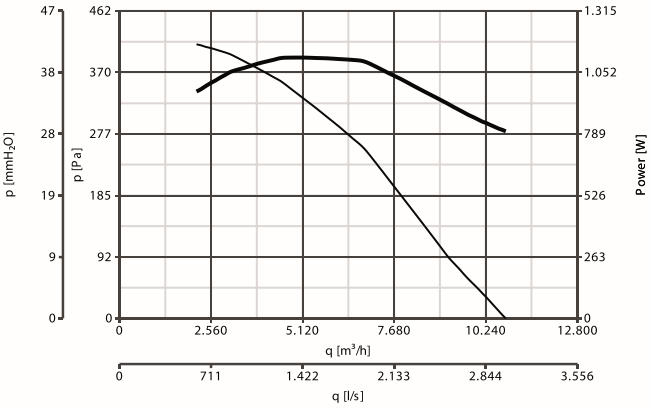
TRT 100 E-V 4P cod. 15190



PERFORMANCE CURVES

P= power consumption — ps = delivery

TRT 100 E-V 6P cod. 15191



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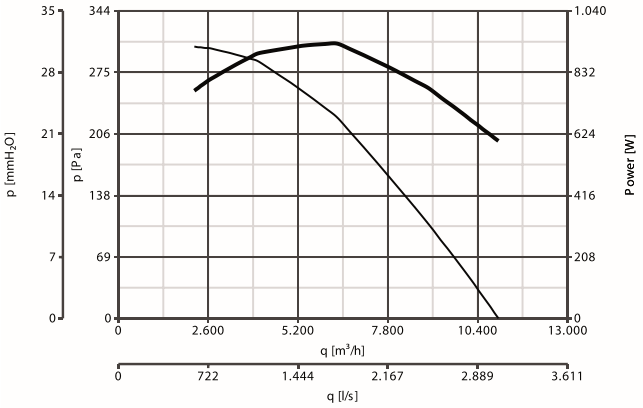

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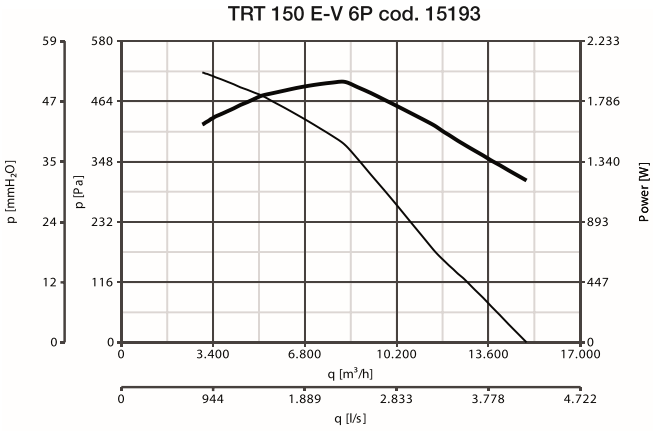
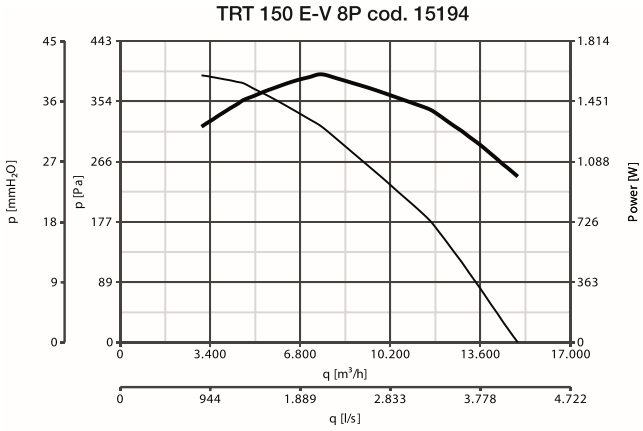


TRT 150 E-V 8P cod. 15194



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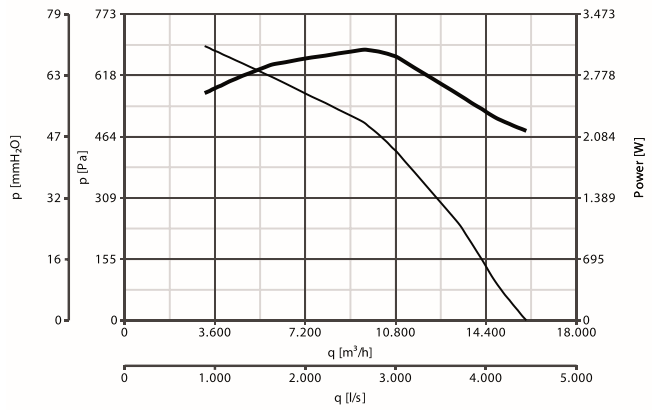
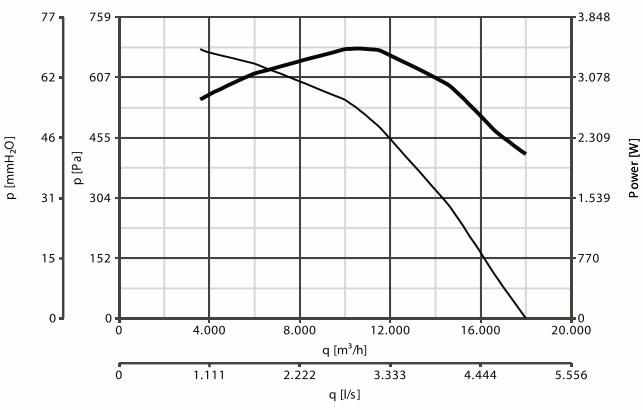
TRT 210 E-V 6P cod. 15196