

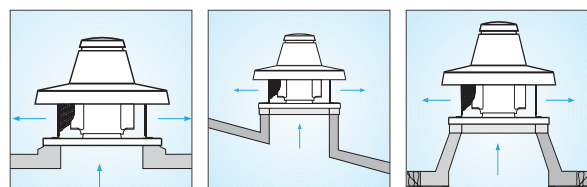


TORRETTE TR ED RANGE

Centrifugal roof fans with horizontal discharge
for hot fumes extraction

Suitable for mounting on flat roofs of commercial, industrial buildings and blocks of flats, etc.

- **20 models: 6 single-phase and 14 three-phase.**
- All models fitted with steel bird guards.
- Asynchronous induction motors, standard UNELMEC B5, ball bearing mounted shafts.
- Galvanised steel sheet fans with self cleaning, backward curved blades, die casted aluminium hubs, clockwise rotation (intake view).
- Streamlined cross-section intake port, made of polyester painted steel.
- For long term safety each unit has a safety cable to anchor it to the base.
- Max airflow up to 18.000 m³/h.
- The usage is admitted also in ambient temperature between -25°C and +90°C only in countries where the N°327/2011/UE European Regulation is not recognized.
- Minimum speed operation is admitted for products used for cold air treatment (fans not intended for hot fumes 400°C / 2h aspiration) in countries that do not adhere to N°327/2011/UE European Regulation.
- Motors insulation class H.
- Protection rating: IP55.
- Insulation class: I. ⊕



Wiring diagrams shown from page 458

TECHNICAL DATA

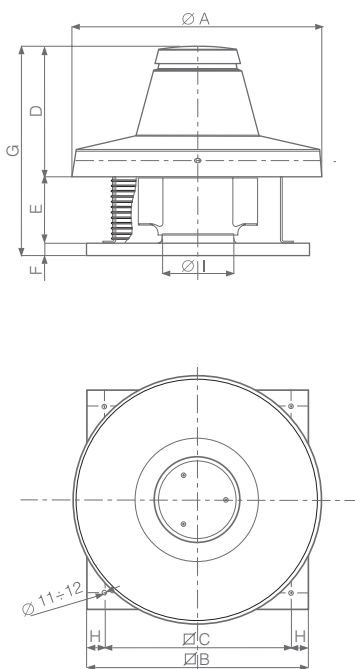
	Models	Code	W		POLES	RPM	Max Airflow		Max Pressure		Lp dB(A)*	Max °C
			min	max			A	min/max	m ³ /h	l/s		
Single-phase	TRM 10 ED 4P	15039	110	0.46	4	1395	1000	278	20	196	56	400 °C/2h
	TRM 15 ED 4P	15041	140	0.60		1315	1400	389	24	235	58.5	
	TRM 20 ED 4P	15043	270	1.20		1375	2200	611	34	334	68	
	TRM 30 ED 4P	15046	420	1.90		1285	3100	861	40	392	67	
	TRM 50 ED 4P	15048	720	3.30		1290	4500	1250	52	510	72.5	
	TRM 70 ED 4P	15080	1020	4.50		1415	5800	1611	65	638	77	
Three-phase	TRT 10 ED 4P	15040	72	0.13		1270	890	247	17	167	56	
			100	0.24		1430	1100	306	21	206		
	TRT 15 ED 4P	15042	93	0.16		1150	1100	306	16	157	58.5	
			130	0.27		1400	1400	389	24	235		
	TRT 20 ED 4P	15045	208	0.32		1050	1800	500	24	235	68	
			270	0.53		1400	2200	611	34	334		
	TRT 30 ED 4P	15047	305	0.48	1070	2555	710	30	294	67		
			420	0.75	1400	3100	861	43	422			
	TRT 50 ED 4P	15049	530	0.80	1150	3800	1056	38	373	72.5		
			690	1.20	1400	4500	1250	52	510			
	TRT 70 ED 4P	15081	820	1.50	1150	5300	1472	52	510	77		
			1090	2.00	1400	6000	1667	67	657			
	TRT 70 ED 6P	15082	420	0.80	750	5300	1472	30	294	74		
			580	1.30	950	6000	1667	38	373			
TRT 100 ED 4P	15083	1400	2.30	1200	8300	2306	72	706	84			
		1950	4.90	1400	9100	2528	84	824				
TRT 100 ED 6P	15084	900	1.40	730	7550	2097	38	373	77			
		1130	2.40	950	8600	2389	47	461				
TRT 100 ED 8P	15085	600	1.20	570	8200	2278	28	275	71			
		860	2.00	715	9200	2556	34	334				
TRT 150 ED 6P	15086	1280	2.40	700	11000	3056	42	412	80			
		1930	3.50	930	12800	3556	59	579				
TRT 150 ED 8P	15087	1000	2.00	610	11600	3222	34	334	74			
		1500	3.00	715	13500	3750	42	412				
TRT 180 ED 6P	15919	3200	6.11	950	16500	4583	79	775	83			
TRT 210 ED 6P	15920	3460	6.42	950	18000	5000	80	785	84			

* 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.

Electric supply: 230 V ~ 50 Hz (Single-phase)
400 V ~ 50 Hz (Three-phase).



DIMENSIONS





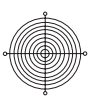
Models	Ø A	Ø B	Ø C	D	E	F	G	H	Ø L	Ø M	Ø N	Kg		
TRM 10 ED 4P	600	410	357	309	166	38	26.5	513	183	187.5	280	18.5		
TRM 15 ED 4P									206	211	315	19		
TRM 20 ED 4P	780	550	500	397	226		25	661	231	236.5	355	33		
TRM 30 ED 4P									2600	265.5	400	35		
TRM 50 ED 4P	780	550	500	397	243		25	678	292	298	450	40		
TRM 70 ED 4P	1015	830	750	449	283		40	770	328	335	504	80		
TRT 10 ED 4P	600	410	357	309	166		38	26.5	513	183	187.5	280	19	
TRT 15 ED 4P										206	211	315	19	
TRT 20 ED 4P	780	550	500	397	226			25	661	231	236.5	355	33	
TRT 30 ED 4P										2600	265.5	400	35	
TRT 50 ED 4P	780	550	500	397	243			25	678	292	298	450	40	
TRT 70 ED 4P	1015	830	750	449	283			38	25	678	328	335	504	78
TRT 70 ED 6P						365					375	562	81	
TRT 100 ED 4P	1165	980	900	605	383	38			40	1026	415	421	635	114
TRT 100 ED 6P											465	472	715	124
TRT 150 ED 6P											520	529	805	125
TRT 150 ED 8P														129
TRT 180 ED 6P														220
TRT 210 DE 6P														

Dimensions (mm)

PRODUCT ACCESSORIES

Models	Code	Product																			
		TRM 10 ED 4P code 15039	TRM 15 ED 4P code 15041	TRM 20 ED 4P code 15043	TRM 30 ED 4P code 15046	TRM 50 ED 4P code 15048	TRM 70 ED 4P code 15080	TRT 10 ED 4P code 15040	TRT 15 ED 4P code 15042	TRT 20 ED 4P code 15045	TRT 30 ED 4P code 15047	TRT 50 ED 4P code 15049	TRT 70 ED 4P code 15081	TRT 70 ED 6P code 15082	TRT 100 ED 4P code 15083	TRT 100 ED 6P code 15084	TRT 100 ED 8P code 15085	TRT 150 ED 6P code 15086	TRT 150 ED 8P code 15087	TRT 180 ED 6P code 15919	TRT 210 ED 6P code 15920
	IRM 30* Three position single-phase speed controller	12921	●	●																	
	IRM 40* Three position single-phase speed controller	12922			●	●															
	IRM 50* Three position single-phase speed controller	12928					●														
	IRT 15* Three position three-phase speed controller	12923						●	●	●											
	IRT 35* Three position three-phase speed controller	12924									●	●		●				●			
	IRT 40* Three position three-phase speed controller	12927														●				●	
	IREM 3* Single-phase speed controller	12931	●	●	●	●															
	IREM 5* *** Single-phase speed controller	12932					●														
	IREM 9* *** Single-phase speed controller	12933						●													
	IRET 6* Three-phase speed controller	12934										●	●	●	●	●	●	●			



Models	Code	Product																			
		TRM 10 ED 4P code 15039	TRM 15 ED 4P code 15041	TRM 20 ED 4P code 15043	TRM 30 ED 4P code 15046	TRM 50 ED 4P code 15048	TRM 70 ED 4P code 15080	TRT 10 ED 4P code 15040	TRT 15 ED 4P code 15042	TRT 20 ED 4P code 15045	TRT 30 ED 4P code 15047	TRT 50 ED 4P code 15049	TRT 70 ED 4P code 15081	TRT 70 ED 6P code 15082	TRT 100 ED 4P code 15083	TRT 100 ED 6P code 15084	TRT 100 ED 8P code 15085	TRT 150 ED 6P code 15086	TRT 150 ED 8P code 15087	TRT 180 ED 6P code 15919	TRT 210 ED 6P code 15920
	IRET INVERTER 1.2 Three-phase speed controller INVERTER	12909						•	•	•	•										
	IRET INVERTER 2.2 Three-phase speed controller INVERTER	12925										•	•	•				•			
	IRET INVERTER 5 Three-phase speed controller INVERTER	12947													•	•		•	•		
	IRET INVERTER 8 Three-phase speed controller INVERTER	12989																			•
	TR-CU 10/15 Sub-frame	22511	•	•				•	•												
	TR-CU 20/30/50 Sub-frame	22512			•	•	•				•	•	•								
	TR-CU 70/100 Sub-frame	22539						•						•	•	•					
	TR-CU 100/150-6P/8P Sub-frame	22540															•	•	•	•	•
	TR-G 10/15 Intake port protection grille	22700	•	•				•	•												
	TR-G 20/30/50 Intake port protection grille	22710			•	•	•				•	•	•								
	TR-G 70/100 Intake port protection grille	22506						•						•	•	•					
	TR-G 100/150-6P/8P Intake port protection grille	22507															•	•	•	•	•

* Use in conjunction with appliances having speed selectors or controllers is not permitted in countries implementing European regulation 327/2011/EU.

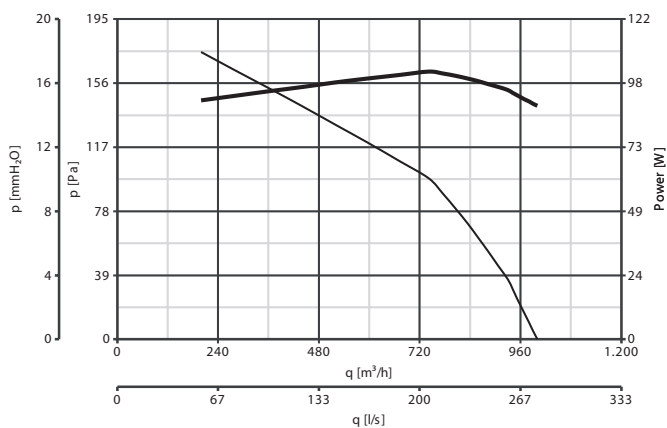
** Can control multiple fans up to a maximum 5A.

*** Used for simultaneous speed control of multiple appliances up to a maximum 9A.

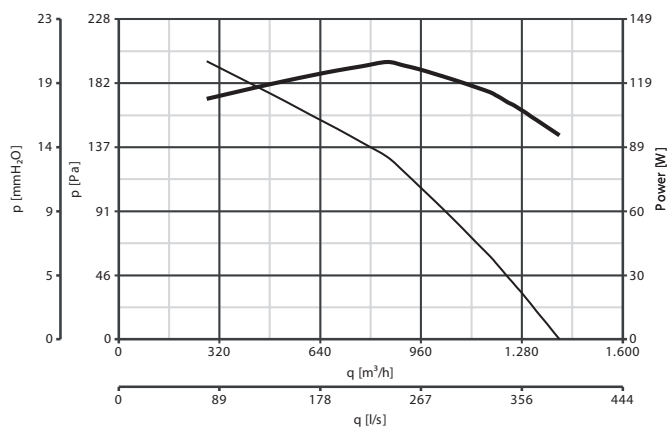
Description and sizes on page 325; System components on page 300.

PERFORMANCE CURVES

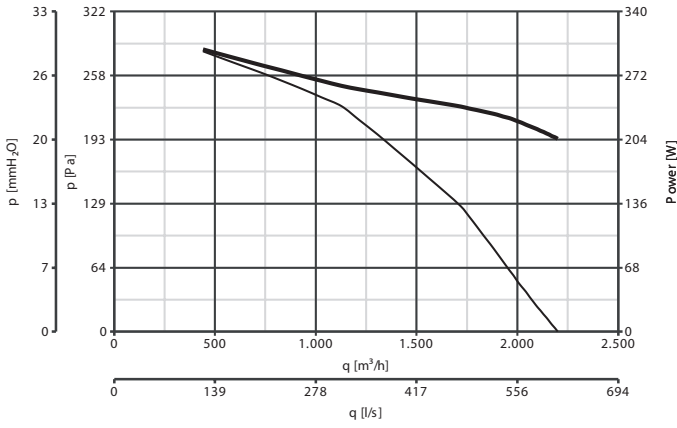
TRM 10 ED 4P code 15039



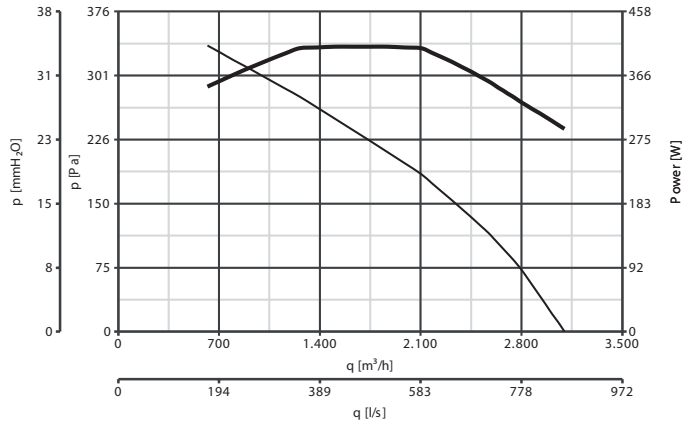
TRM 15 ED 4P code 15041



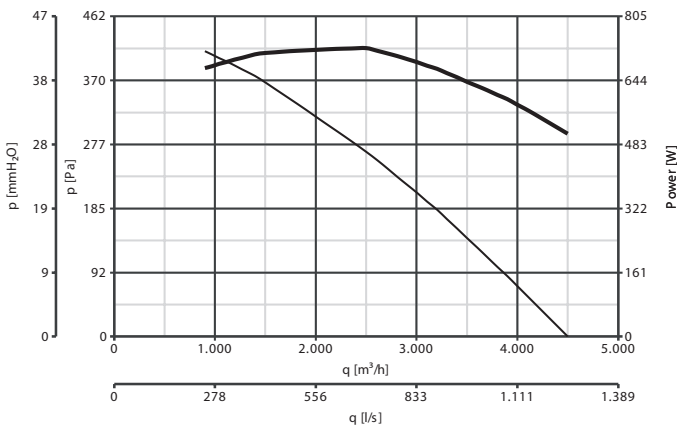
TRM 20 ED 4P code 15043



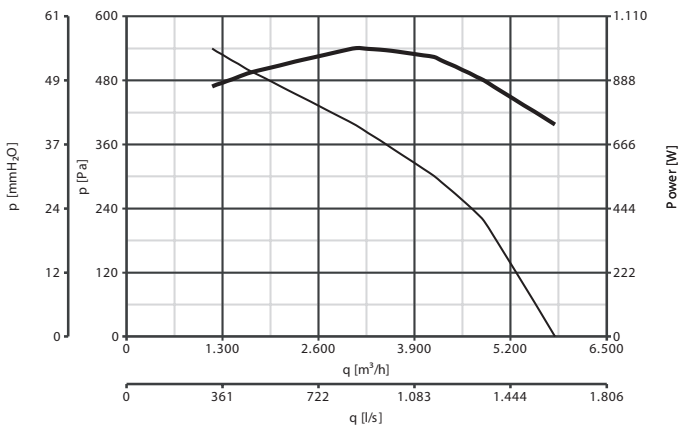
TRM 30 ED 4P code 15046



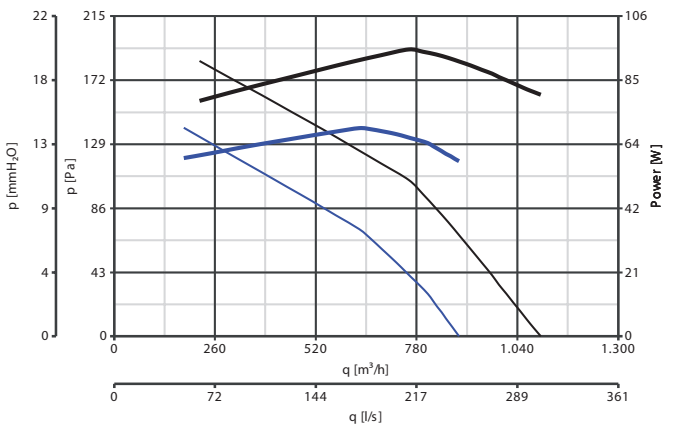
TRM 50 ED 4P code 15048



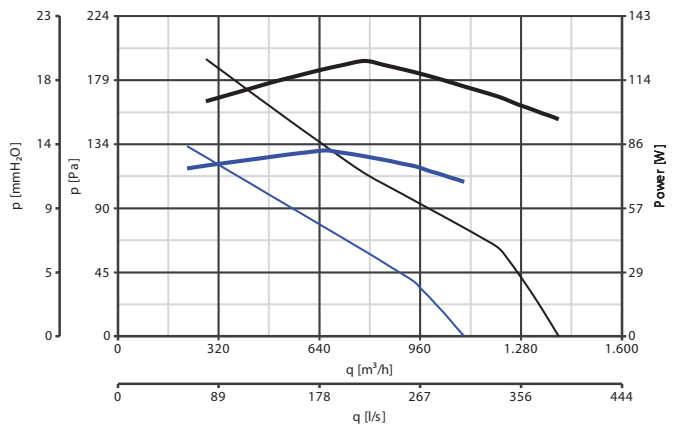
TRM 70 ED 4P CODE 15080

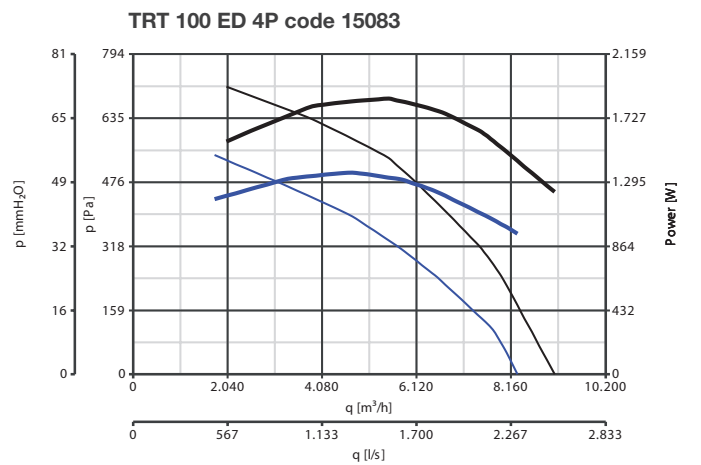
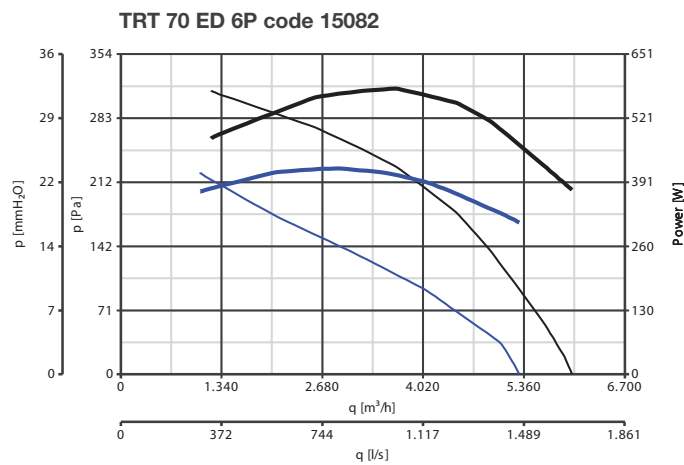
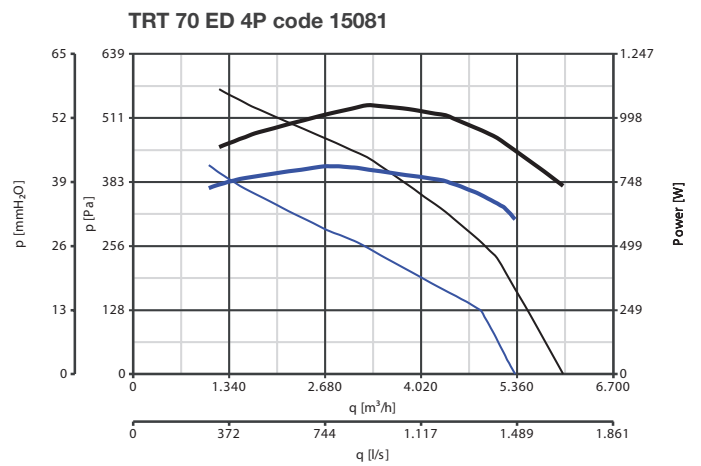
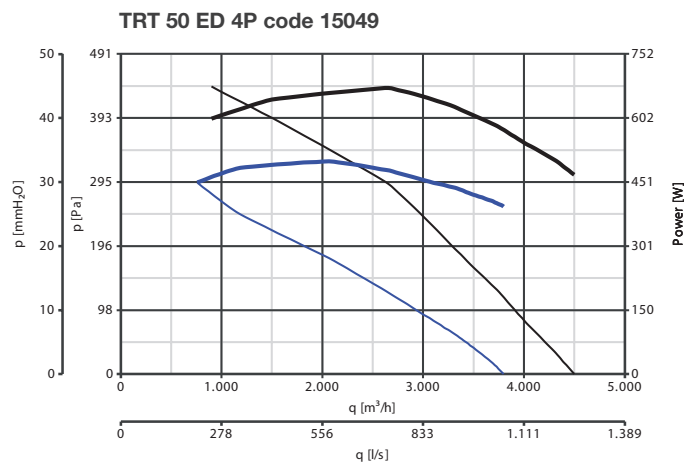
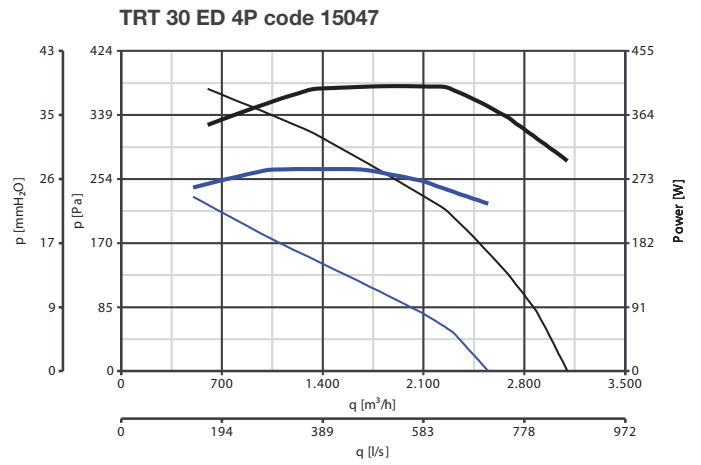
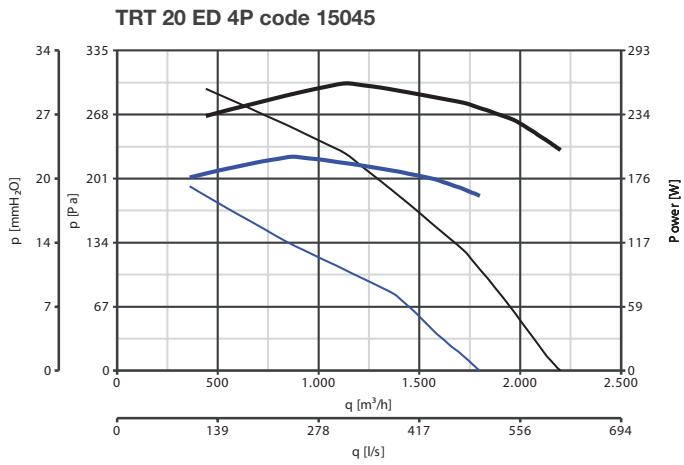


TRT 10 ED 4P code 15040

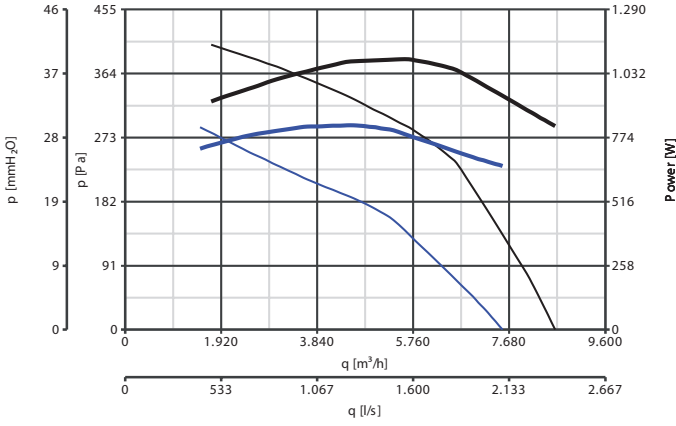


TRT 15 ED 4P code 15042

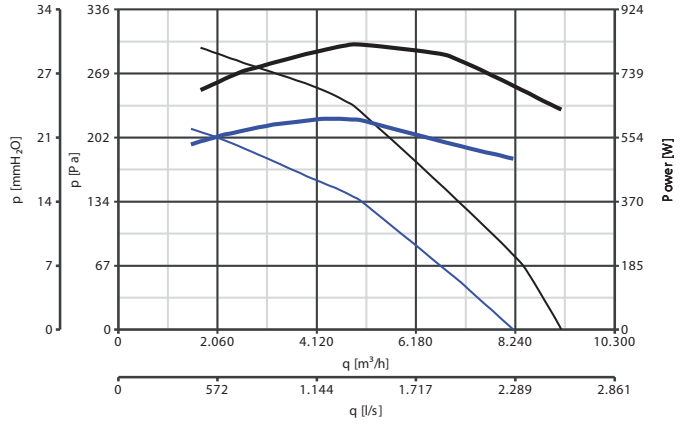




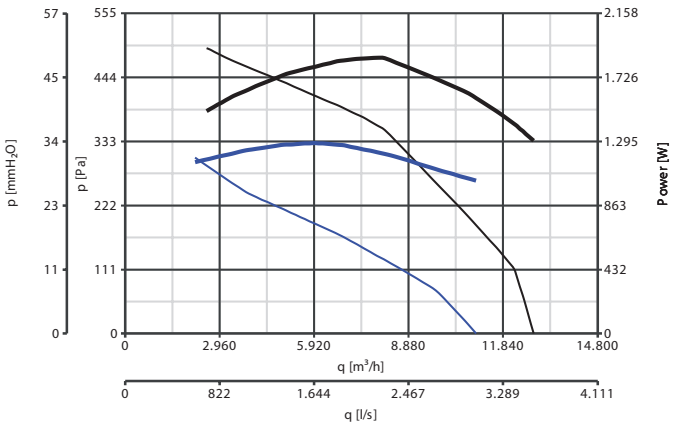
TRT 100 ED 6P code 15084



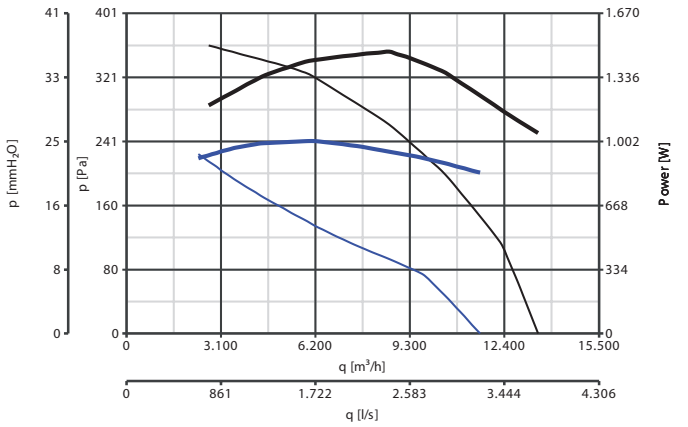
TRT 100 ED 8P code 15085



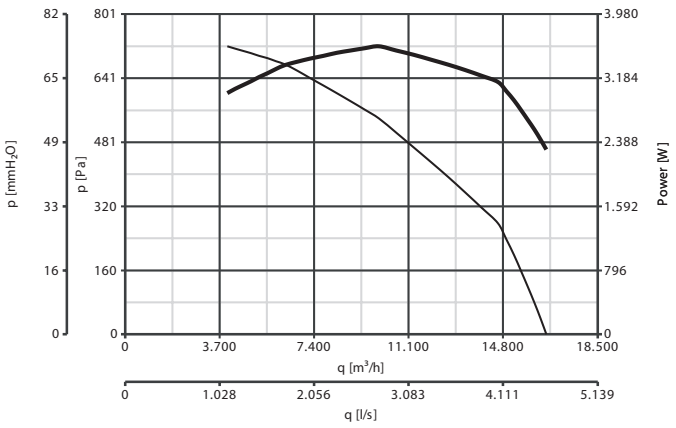
TRT 150 ED 6P code 15086



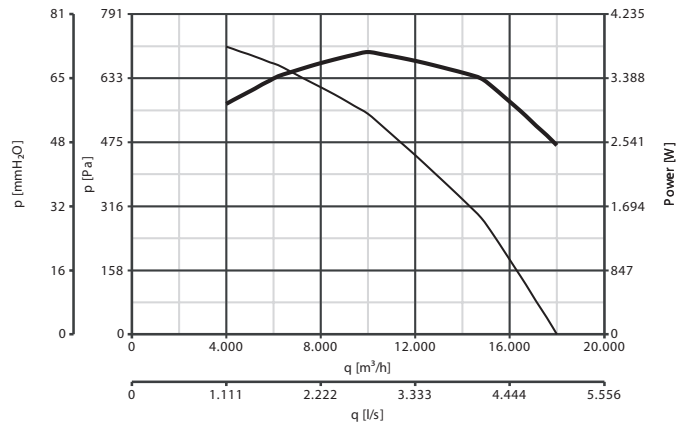
TRT 150 ED 8P code 15087



TRT 180 ED 6P code 15919



TRT 210 ED 6P code 15920



— Delivery — Consumption





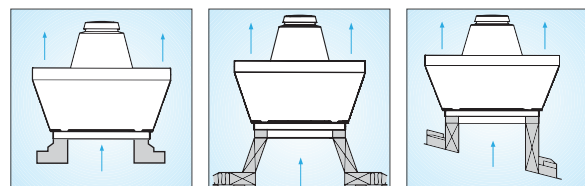
TORRETTE TR ED-V RANGE

Centrifugal roof fans with vertical discharge
for hot fumes extraction



Suitable for commercial and industrial applications as industrial buildings, blocks of flats, etc.

- **20 models: 6 single-phase and 14 three-phase.**
- All models fitted with steel bird guards.
- Asynchronous induction motors, standard UNELMEC B5, ball bearing mounted shafts.
- Galvanised steel sheet fans with self cleaning, backward curved blades, self-ventilating, die casted aluminium hubs, clockwise rotation (intake view).
- Streamlined cross-section intake ports, made of polyester steel painted.
- For long term safety each unit has a safety cable to anchor it to the base.
- Max airflow up to 18.000 m³/h.
- The usage is admitted also in ambient temperature between -25°C and +90°C only in countries where the N°327/2011/UE European Regulation is not recognized.
- Minimum speed operation is admitted for products used for cold air treatment (fans not intended for hot fumes 400°C / 2h aspiration) in countries that do not adhere to N°327/2011/UE European regulation.
- Motor insulation class H.
- Protection rating: IP55.
- Insulation class: I. ⊕



Wiring diagrams shown from page 458

TECHNICAL DATA

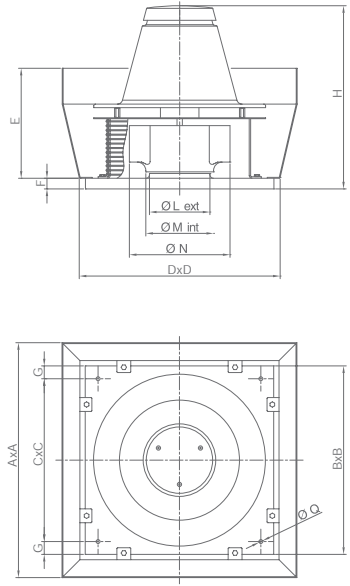
	Models	Code	W min/max	A min/max	POLES	RPM min/max	Max Airflow		Max Pressure		Lp dB(A) 3 m	Max °C
							m ³ /h min/max	l/s min/max	mmH ₂ O min/max	Pa min/max		
Single-phase	TRM 10 ED-V 4P**	15160	100	0.45	4	1450	1000	278	20	196	56	400 °C/2h
	TRM 15 ED-V 4P**	15162	130	0.57	4	1400	1400	389	24	235	58.5	
	TRM 20 ED-V 4P**	15164	250	1.20	4	1400	2200	611	34	334	68	
	TRM 30 ED-V 4P**	15166	410	1.75	4	1380	3100	861	40	392	67	
	TRM 50 ED-V 4P**	15168	720	3.30	4	1350	4500	1250	52	510	72.5	
	TRM 70 ED-V 4P**	15170	1000	4.35	4	1350	5800	1611	65	638	77	
Three-phase	TRT 10 ED-V 4P**	15161	75 100	0.15 0.25	4	1250 1400	890 1100	247 306	17 21	167 206	56	
	TRT 15 ED-V 4P**	15163	85 125	0.15 0.27	4	1100 1400	1100 1400	306 389	16 24	157 289	58.5	
	TRT 20 ED-V 4P**	15165	200 250	0.35 0.50	4	1100 1420	1800 2200	500 611	24 34	235 334	68	
	TRT 30 ED-V 4P**	15167	300 410	0.50 0.70	4	1100 1380	2550 3100	710 861	30 43	294 422	67	
	TRT 50 ED-V 4P**	15169	550 710	0.90 1.25	4	1100 1380	3800 4500	1056 1250	38 52	373 510	72.5	
	TRT 70 ED-V 4P**	15171	900 1100	1.50 2.00	4	1200 1400	5300 6000	1472 1667	52 67	510 657	77	
	TRT 70 ED-V 6P**	15172	450 620	0.90 1.30	6	760 940	5300 6000	1472 1667	30 38	294 373	74	
	TRT 100 ED-V 4P**	15173	1400 1870	2.40 4.50	4	1180 1400	8300 9100	2306 2528	72 84	706 824	84	
	TRT 100 ED-V 6P**	15174	800 1110	1.60 2.30	6	760 940	7550 8600	2097 2389	38 47	373 461	77	
	TRT 100 ED-V 8P**	15175	700 810	1.30 2.00	8	610 720	8200 9200	2278 2556	28 34	275 334	71	
	TRT 150 ED-V 6P**	15176	1470 1880	2.45 3.45	6	710 920	11100 12800	3056 3556	42 59	412 579	80	
	TRT 150 ED-V 8P**	15177	1170 1450	2.15 2.95	8	540 720	11600 13500	3222 3750	34 42	334 412	74	
	TRT 180 ED-V 6P**	15178	3200	6.11	6	950	16500	4583	79	775	83	
	TRT 210 ED-V 6P**	15179	3460	6.42	6	950	18000	5000	80	785	84	

** Certified by LGAI (Applus) according to EN 12101-3

Electric supply: 230 V ~ 50 Hz (Single-phase)
400 V ~ 50 Hz (Three-phase).



DIMENSIONS






Models	Ø A	Ø B	Ø C	D	E	F	G	H	Ø L	Ø M	Ø N	Ø Q	Kg	
TRM 10 ED-V 4P	652	410	357	440	328	38	26.5	502	170	187.5	283	11	23	
TRM 15 ED-V 4P								182	199	315	24			
TRM 20 ED-V 4P								586	219	236.5	359		43	
TRM 30 ED-V 4P							25	604	244	265.5	404		45	
TRM 50 ED-V 4P								631	278	298	454		51	
TRM 70 ED 4P	1144	830	750	860	491		40	723	328	335	504	12	105	
TRT 10 ED-V 4P	652	410	357	440	328		38	26.5	502	170	187.5	283	11	23
TRT 15 ED-V 4P									182	199	315	24		
TRT 20 ED-V 4P									586	219	236.5	359		43
TRT 30 ED-V 4P								25	604	244	265.5	404		45
TRT 50 ED-V 4P									631	278	298	454		51
TRT 70 ED-V 4P	1144	830	750	860	491			38	723	328	335	504	12	103
TRT 70 ED-V 6P										365	375	564		106
TRT 100 ED-V 4P										40	415	421		635
TRT 100 ED-V 6P									465					
TRT 150 ED-V 6P						1462			980	900	1010	595		38
TRT 150 ED-V 8P	176													
TRT 180 ED-V 6P	177													
TRT 210 ED-V 6P	159178	180												

Dimensions (mm)

PRODUCT ACCESSORIES

Models	Code	Product																				
		TRM 10 ED-V 4P code 15160	TRM 15 ED-V 4P code 15162	TRM 20 ED-V 4P code 15164	TRM 30 ED-V 4P code 15166	TRM 50 ED-V 4P code 15168	TRM 70 ED-V 4P code 15170	TRT 10 ED-V 4P code 15161	TRT 15 ED-V 4P code 15163	TRT 20 ED-V 4P code 15165	TRT 30 ED-V 4P code 15167	TRT 50 ED-V 4P code 15169	TRT 70 ED-V 4P code 15171	TRT 70 ED-V 6P code 15172	TRT 100 ED-V 4P code 15173	TRT 100 ED-V 6P code 15174	TRT 100 ED-V 8P code 15175	TRT 150 ED-V 6P code 15176	TRT 150 ED-V 8P code 15177	TRT 180 ED-V 6P code 159178	TRT 210 ED-V 6P code 15179	
	IRM 30* Three position single-phase speed controller	12921	●	●																		
	IRM 40* Three position single-phase speed controller	12922			●	●																
	IRM 50* Three position single-phase speed controller	12928					●															
	IRT 15* Three position three-phase speed controller	12923						●	●	●												
	IRT 35* Three position three-phase speed controller	12924									●	●		●				●				
	IRT 40* Three position three-phase speed controller	12927											●			●				●		
	IREM 3* Single-phase speed controller	12931	●	●	●	●																
	IREM 5* *** Single-phase speed controller	12932					●															
	IREM 9* *** Single-phase speed controller	12933						●														
	IRET 6* Three-phase speed controller	12934										●	●	●	●	●	●	●	●			



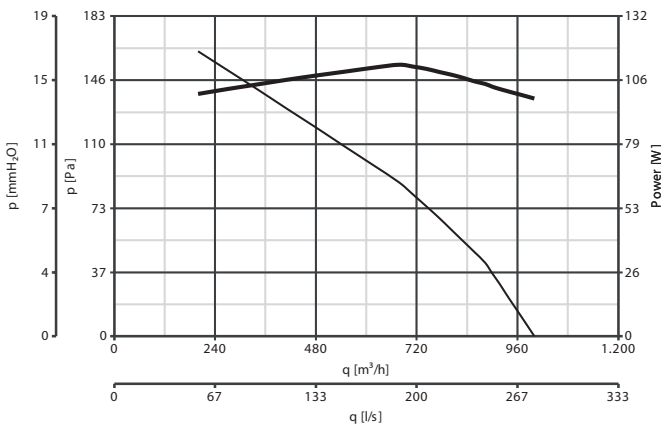
Models	Code	Product																			
		TRM 10 ED-V 4P code 15160	TRM 15 ED-V 4P code 15162	TRM 20 ED-V 4P code 15164	TRM 30 ED-V 4P code 15166	TRM 50 ED-V 4P code 15168	TRM 70 ED-V 4P code 15170	TRT 10 ED-V 4P code 15161	TRT 15 ED-V 4P code 15163	TRT 20 ED-V 4P code 15165	TRT 30 ED-V 4P code 15167	TRT 50 ED-V 4P code 15169	TRT 70 ED-V 4P code 15171	TRT 100 ED-V 4P code 15173	TRT 100 ED-V 6P code 15174	TRT 100 ED-V 8P code 15175	TRT 150 ED-V 6P code 15176	TRT 150 ED-V 8P code 15177	TRT 180 ED-V 6P code 15178	TRT 210 ED-V 6P code 15179	
	IRET INVERTER 1.2 Three-phase speed controller INVERTER	12909						•	•	•	•										
	IRET INVERTER 2.2 Three-phase speed controller INVERTER	12925											•	•	•		•				
	IRET INVERTER 5 Three-phase speed controller INVERTER	12947														•	•		•	•	
	IRET INVERTER 8 Three-phase speed controller INVERTER	12989																		•	•
	TR-CU 10/15 Sub-frame	22511	•	•				•	•												
	TR-CU 20/30/50 Sub-frame	22512			•	•	•	•				•	•	•							
	TR-CU 70/100 Sub-frame	22539												•	•	•	•				
	TR-CU 100/150-6P/8P Sub-frame	22540															•	•	•	•	•
	TR-G 10/15 Intake port protection grille	22700	•	•				•	•												
	TR-G 20/30/50 Intake port protection grille	22710			•	•	•				•	•	•								
	TR-G 70/100 Intake port protection grille	22506												•	•	•	•				
	TR-G 100/150-6P/8P Intake port protection grille	22507															•	•	•	•	•

* Use in conjunction with appliances having speed selectors or controllers is not permitted in countries implementing European regulation 327/2011/EU.
 ** Can control multiple fans up to a maximum 5A.
 *** Used for simultaneous control of multiple appliances up to a maximum 9A.

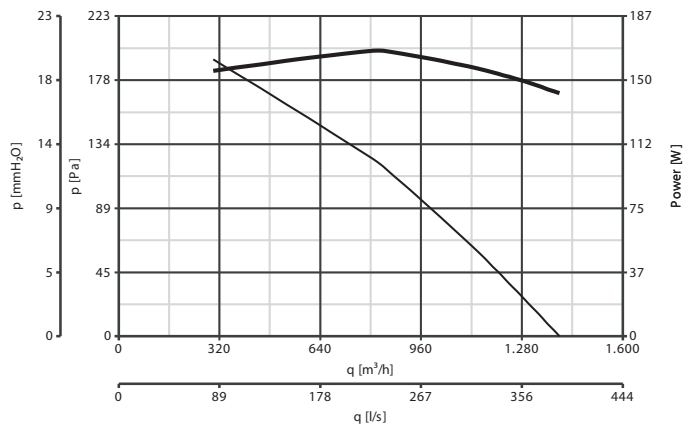
Description and sizes on page 325; System components on page 300.

PERFORMANCE CURVES

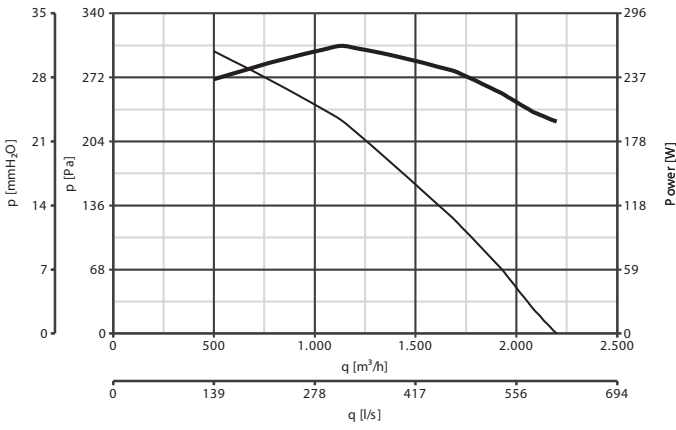
TRM 10 ED-V 4P code 15160



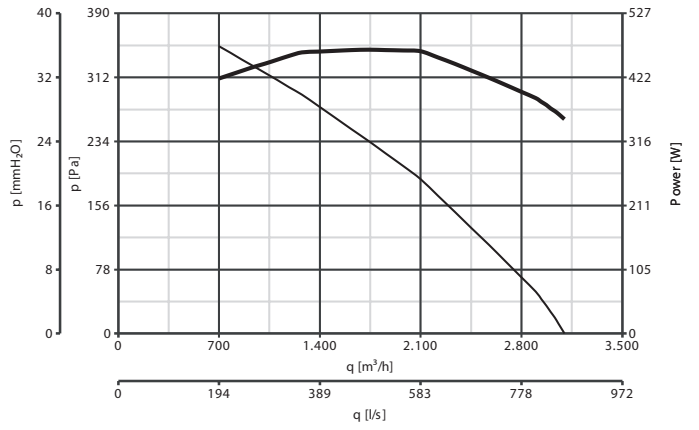
TRM 15 ED-V 4P code 15162



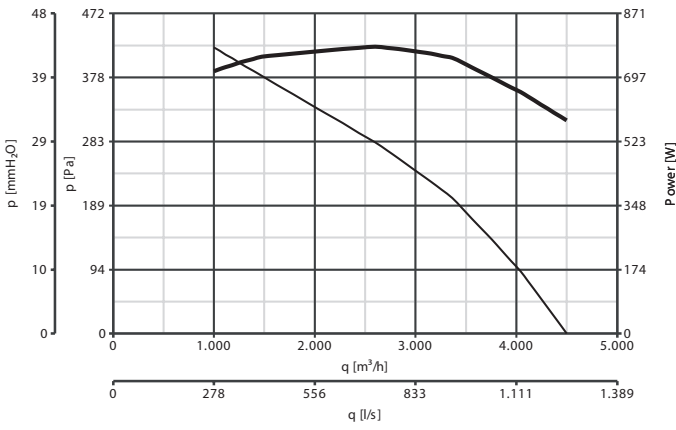
TRM 20 ED-V 4P code 15164



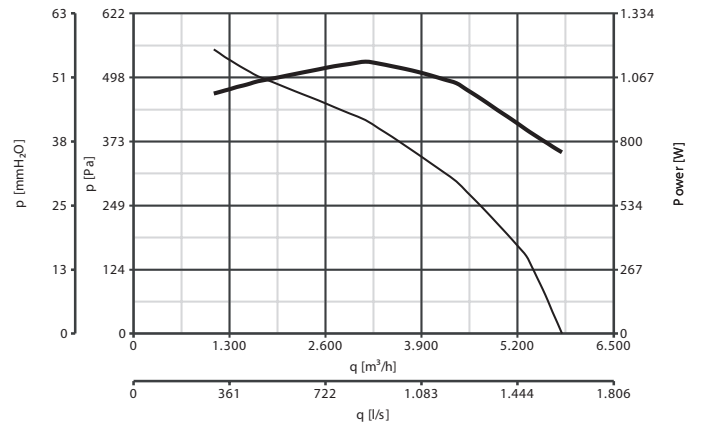
TRM 30 ED-V 4P code 15166



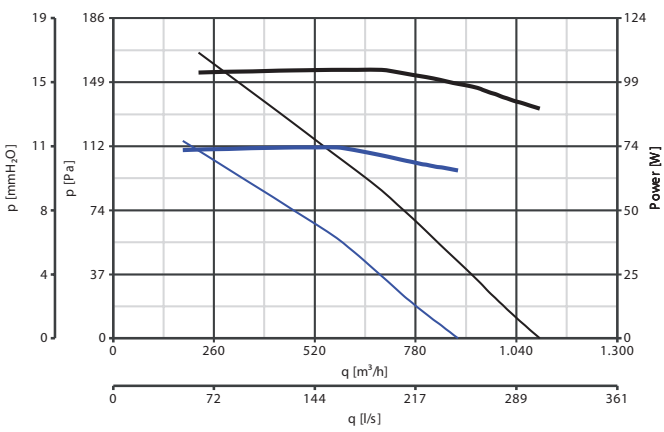
TRT 50 ED-V 4P code 15168



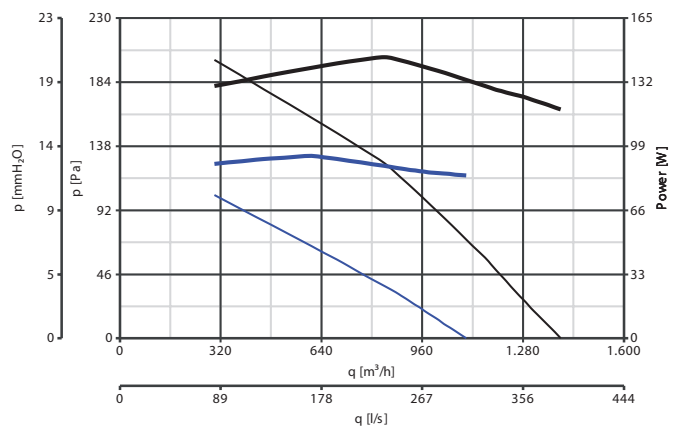
TRM 70 ED-V 4P code 15170

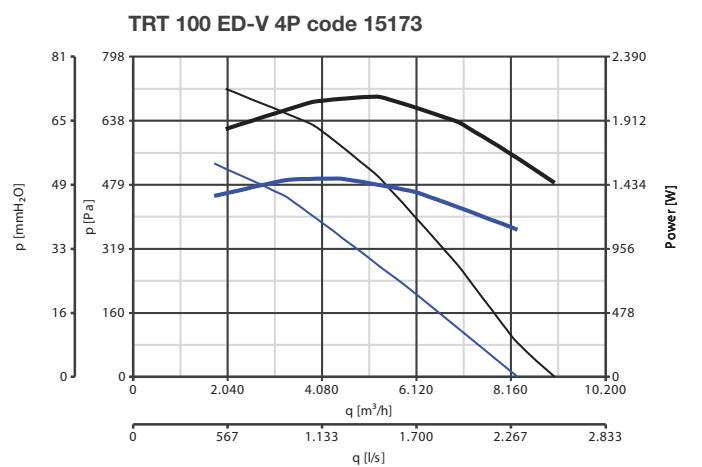
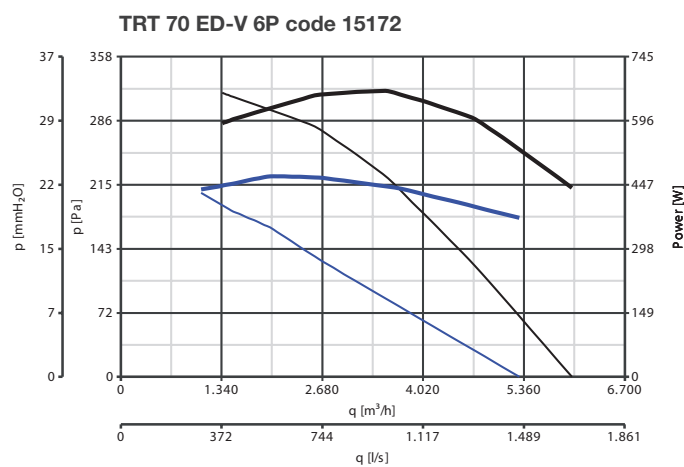
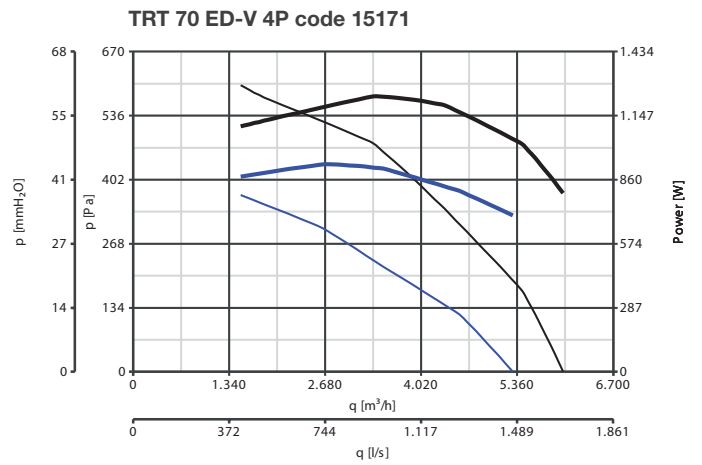
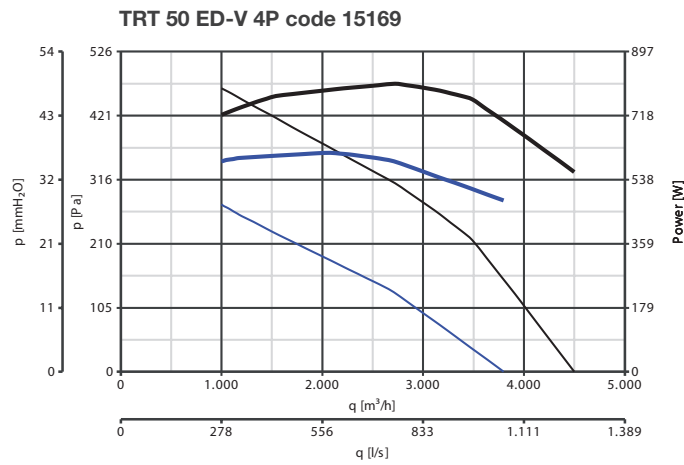
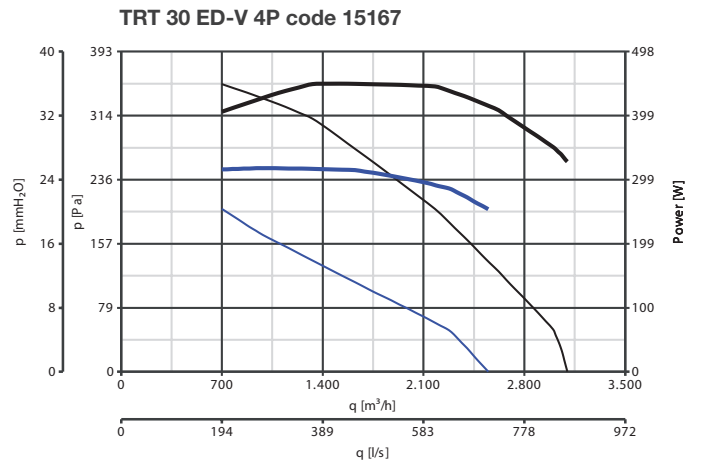
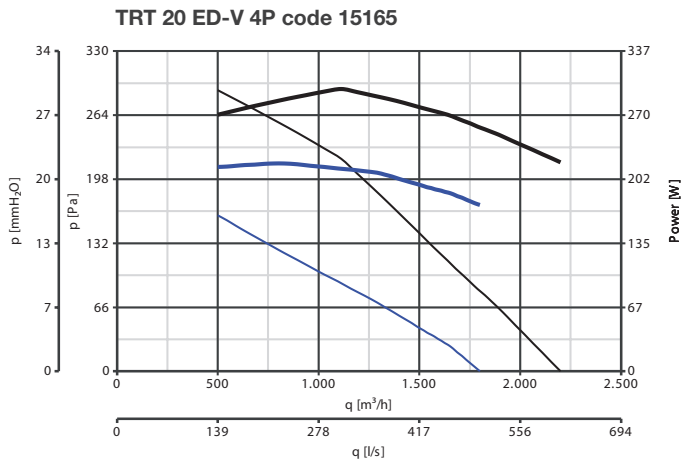


TRT 10 ED-V 4P code 15161

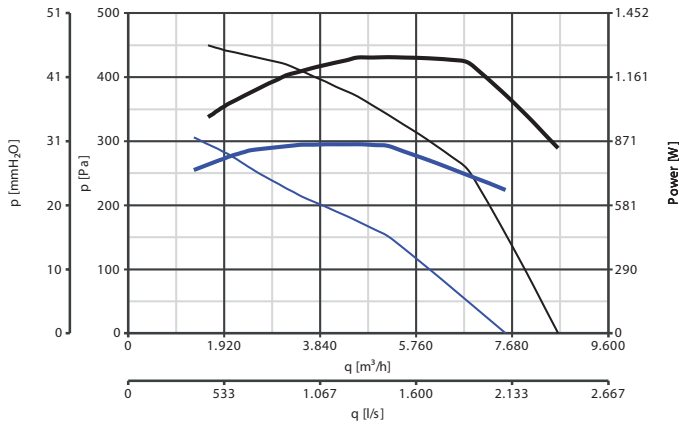


TRT 15 ED-V 4P code 15163

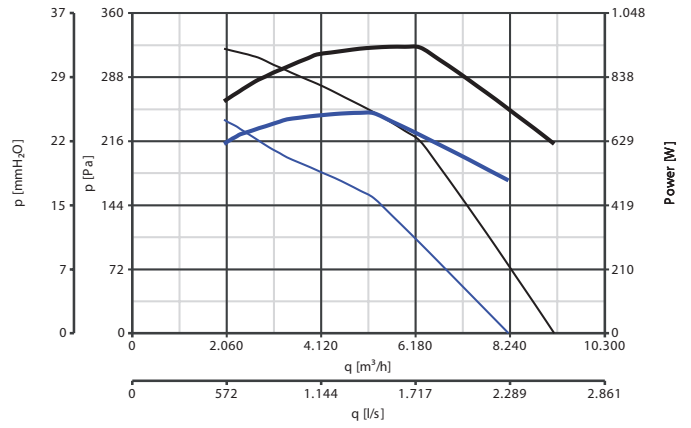




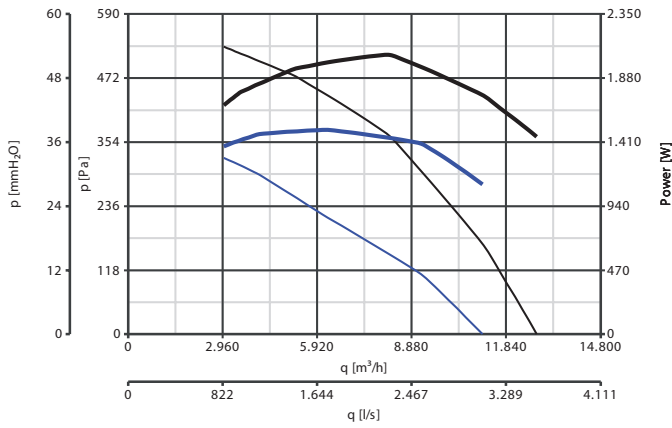
TRT 100 ED-V 6P code 15174



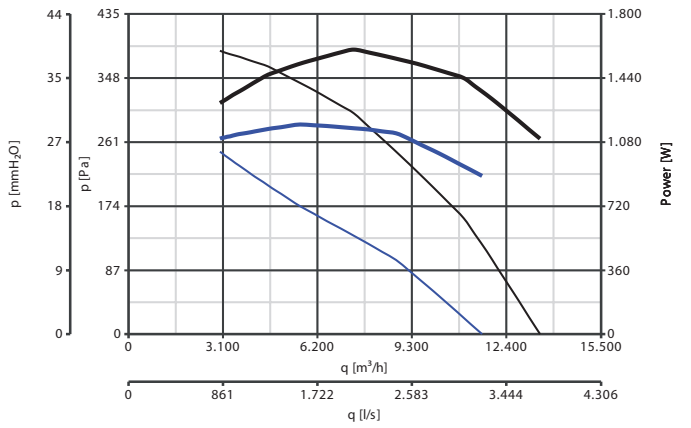
TRT 100 ED-V 8P code 15175



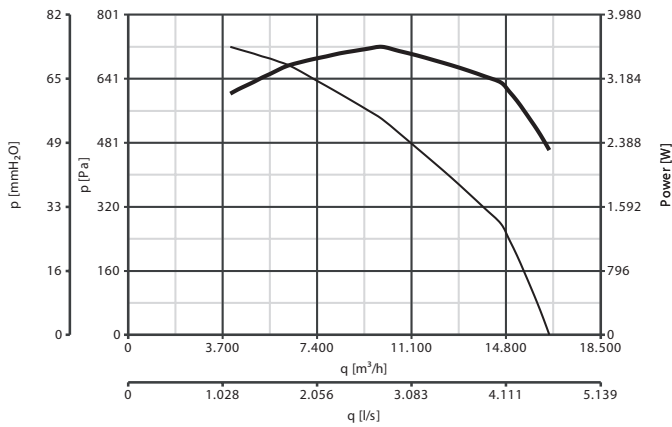
TRT 150 ED-V 6P code 15176



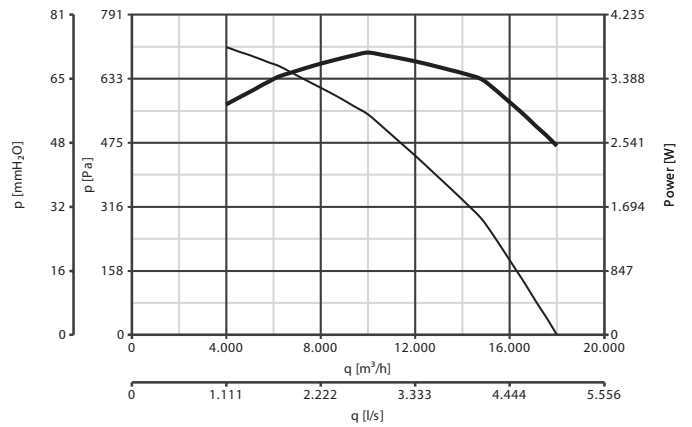
TRT 150 ED-V 8P code 15177



TRT 180 ED-V 6P code 15178



TRT 210 ED-V 6P code 15179



— Delivery — Consumption

