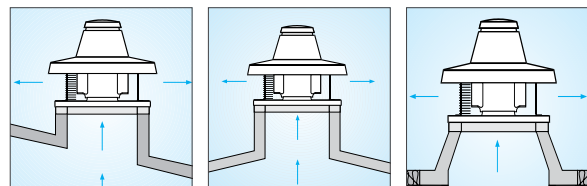




TORRETTE TR E RANGE

Centrifugal roof fans for horizontal discharge

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



- **20 models: 6 single-phase and 14 three-phase.**
- 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.
- Max airflow up to 18.000 m³/h.
- Motor insulation class H for models 15205, 15073, 15076, 15078, 15079; F for all other models.
- Protection rating: IP55.
- Insulation class: I. ⚡

Wiring diagrams shown from page 458

TECHNICAL DATA

	Models	Code	W	A	POLES	RPM	Max Airflow		Max Pressure		Lp dB(A)*	Max °C
							m ³ /h	l/s	mmH ₂ O	Pa		
Single-phase	TRM 10 E 4P	15115	100	0.50	4	1400	1100	306	22	216	56	90
	TRM 15 E 4P	15205	150	0.70	4	1400	1400	389	26	255	58.5	80
	TRM 20 E 4P	15216	280	1.30	4	1415	2600	722	36	353	62	85
	TRM 30 E 4P	15356	400	1.80	4	1425	3300	917	44	432	67	70
	TRM 50 E 4P	15556	800	3.70	4	1480	4800	1333	55	540	72.5	80
	TRM 70 E 4P	15070	1000	4.35	4	1415	6400	1778	67.5	662	77	90
Three-phase	TRT 10 E 4P	15155	100	0.30	4	1400	1100	306	22	216	56	90
	TRT 15 E 4P	15255	150	0.30	4	1400	1400	389	26	255	58.5	90
	TRT 20 E 4P	15215	300	0.60	4	1400	2700	750	35	343	62	90
	TRT 30 E 4P	15355	400	0.75	4	1400	3200	889	46	451	67	90
	TRT 50 E 4P	15555	800	1.45	4	1400	4900	1361	61	598	72.5	90
	TRT 70 E 4P	15071	950	1.85	4	1440	6400	1778	69	674	77	90
	TRT 70 E 6P	15072	600	1.30	6	950	7000	1944	38	373	74	90
	TRT 100 E 4P	15073	1900	3.25	4	1420	10000	2778	84.5	830	84	70
	TRT 100 E 6P	15074	1100	2.30	6	950	10800	3000	48	471	77	85
	TRT 100 E 8P	15075	930	2.10	8	715	11000	3056	34	334	71	80
	TRT 150 E 6P	15076	1930	3.45	6	930	15000	4167	61	598	80	80
	TRT 150 E 8P	15077	1600	3.10	8	715	15000	4167	45	441	74	75
	TRT 180 E 6P	15078	3100	5.95	6	970	16000	4444	79	775	83	80
	TRT 210 E 6P	15079	3400	6.40	6	980	18000	5000	79	775	84	70

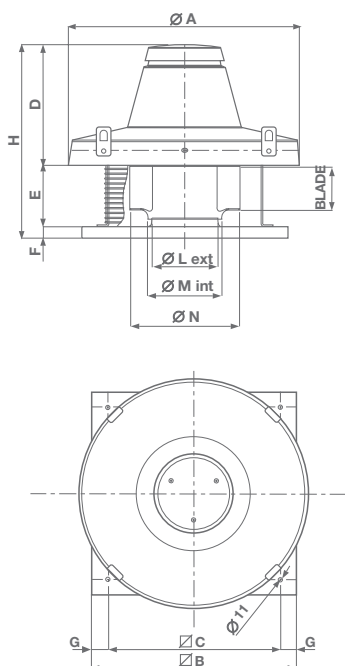
* The sound pressure values conform to standard ISO 3744.

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 E 4P	600	410	357	310	108	38	26.5	456	170	187.5	283	14.5
TRM 15 E 4P	600	410	357	310	108	38	26.5	456	182	199	315	15
TRM 20 E 4P	780	550	500	398	128	38	25	564	219	236.5	359	22
TRM 30 E 4P	780	550	500	398	146	38	25	582	244	265.5	404	23
TRM 50 E 4P	780	550	500	398	173	38	25	609	278	298	454	28
TRM 70 E 4P	1015	830	750	449	283	38	40	770	328	335	504	79
TRT 10 E 4P	600	410	357	310	108	38	26.5	456	170	187.5	283	14.5
TRT 15 E 4P	600	410	357	310	108	38	26.5	456	182	199	315	15
TRT 20 E 4P	780	550	500	398	128	38	25	564	219	236.5	359	22
TRT 30 E 4P	780	550	500	398	146	38	25	582	244	265.5	404	23
TRT 50 E 4P	780	550	500	398	173	38	25	609	278	298	454	28
TRT 70 E 4P	1015	830	750	449	283	38	40	770	328	335	504	77
TRT 70 E 6P	1015	830	750	449	283	38	40	770	365	375	564	80
TRT 100 E 4P	1015	830	750	449	283	38	40	770	365	375	564	81
TRT 100 E 6P	1165	980	900	605	383	38	40	1026	415	421	635	117
TRT 100 E 8P	1165	980	900	605	383	38	40	1026	465	472	715	127
TRT 150 E 6P	1165	980	900	605	383	38	40	1026	465	472	715	128
TRT 150 E 8P	1165	980	900	605	383	38	40	1026	520	529	805	132
TRT 180 E 6P	1165	980	900	605	383	38	40	1026	520	529	805	130
TRT 210 E 6P	1165	980	900	605	383	38	40	1026	520	529	805	180

Dimensions (mm)





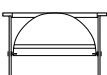
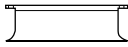

PRODUCT ACCESSORIES

Models		Code	Product																			
			TRM 10 E 4P code 15115	TRM 15 E 4P code 15205	TRM 20 E 4P code 15216	TRM 30 E 4P code 15356	TRM 50 E 4P code 15556	TRM 70 E 4P code 15070	TRT 10 E 4P code 15155	TRT 15 E 4P code 15255	TRT 20 E 4P code 15215	TRT 30 E 4P code 15355	TRT 50 E 4P code 15555	TRT 70 E 4P code 15071	TRT 70 E 6P code 15072	TRT 100 E 4P code 15073	TRT 100 E 6P code 15074	TRT 100 E 8P code 15075	TRT 150 E 6P code 15076	TRT 150 E 8P code 15077	TRT 180 E 6P code 15078	TRT 210 E 6P code 15079
	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												●	●		●	●	●	●		

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

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

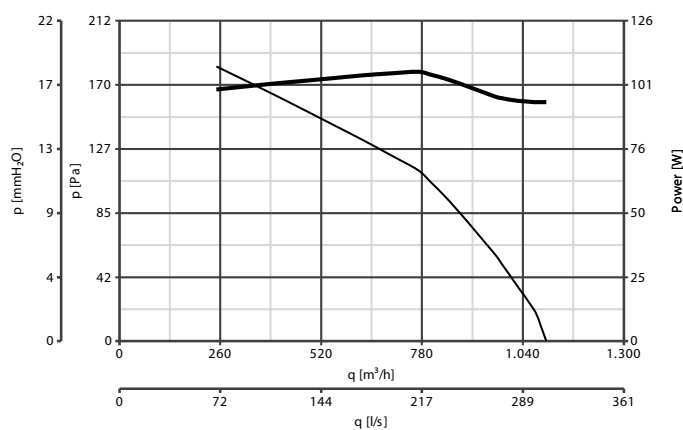


Models		Code	Product																			
			TRM 10 E 4P code 15115	TRM 15 E 4P code 15205	TRM 20 E 4P code 15216	TRM 30 E 4P code 15356	TRM 50 E 4P code 15556	TRM 70 E 4P code 15070	TRT 10 E 4P code 15155	TRT 15 E 4P code 15255	TRT 20 E 4P code 15215	TRT 30 E 4P code 15355	TRT 50 E 4P code 15555	TRT 70 E 4P code 15071	TRT 70 E 6P code 15072	TRT 100 E 4P code 15073	TRT 100 E 6P code 15074	TRT 100 E 8P code 15075	TRT 150 E 6P code 15076	TRT 150 E 8P code 15077	TRT 180 E 6P code 15078	TRT 210 E 6P code 15079
	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																			•	•
	IREM INVERTER 1.4 Single-phase speed controller INVERTER	12935							•	•	•	•										
	IREM INVERTER 4.2 Single-phase speed controller INVERTER	12936											•	•	•		•	•				
	IREM INVERTER 7 Single-phase speed controller INVERTER	12937														•			•	•		
	C 1.5 Speed controller	12966	•	•																		
	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-S 10/15 Backdraught shutter	22500	•	•					•	•												
	TR-S 20/30/50 Backdraught shutter	22510			•	•	•				•	•	•									
	TR-S 70/100 4P Backdraught shutter	22541						•						•	•	•						
	TR-S 100 6P-8P/150/180/210 Backdraught shutter	22542															•	•	•	•	•	•
	TR-B 10/15 Suction connector	22600	•	•					•	•												
	TR-B 20/30/50 Suction connector	22610			•	•	•				•	•	•									
	TR-B 70/100 4P Suction connector	22508						•						•	•	•						
	TR-B 100 6P-8P/150/180/210 Intake port protection grille	22509															•	•	•	•	•	•
	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															•	•	•	•	•	•

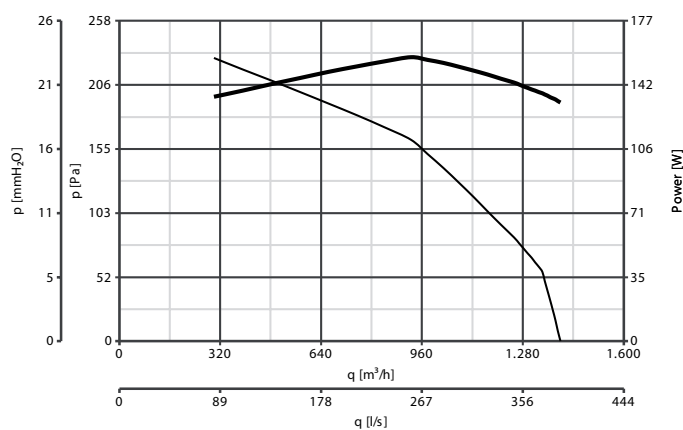
Description and sizes on page 325; System components on page 300.

PERFORMANCE CURVES

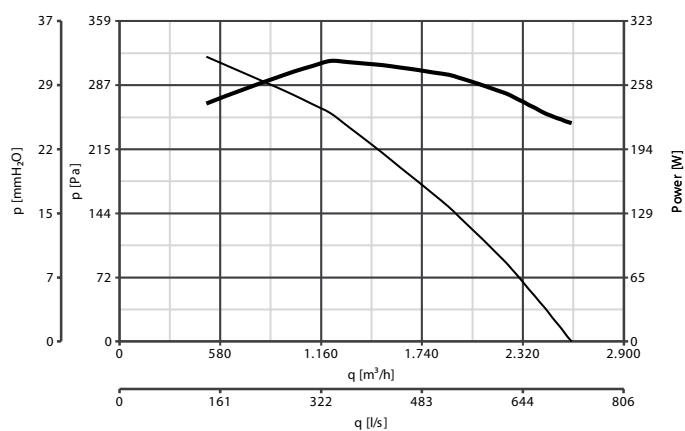
TRM 10 E 4P code 15115



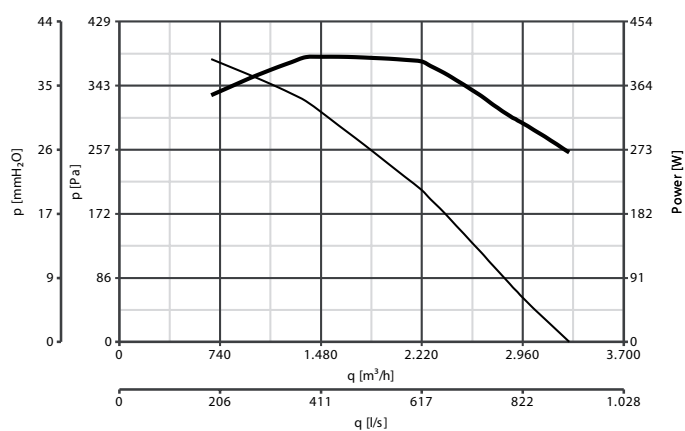
TRM 15 E 4P code 15205



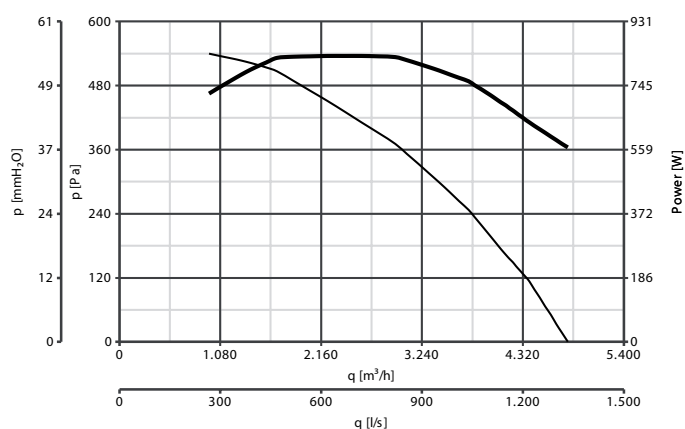
TRM 20 E 4P code 15216



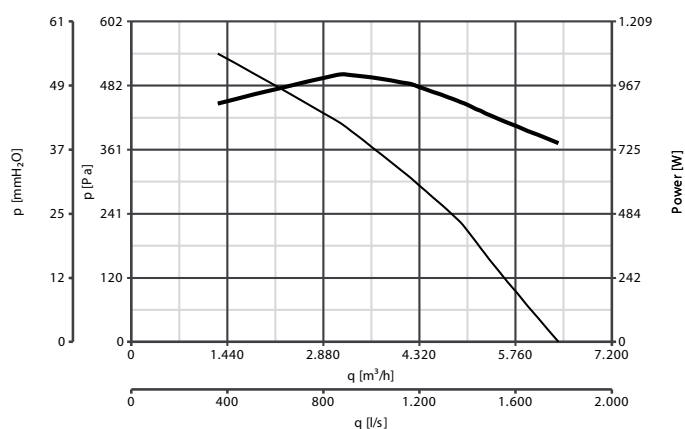
TRM 30 E 4P code 15356



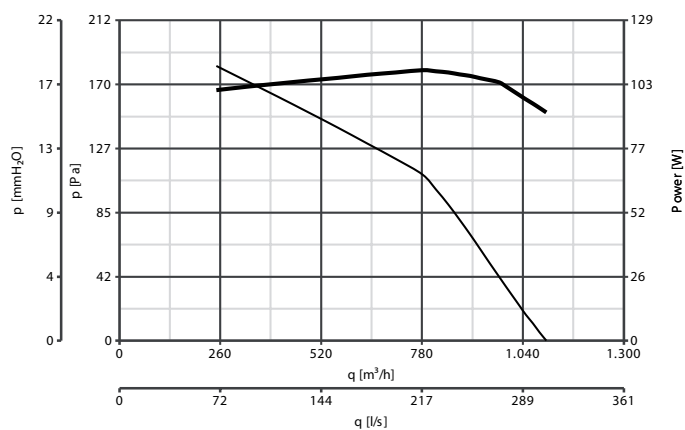
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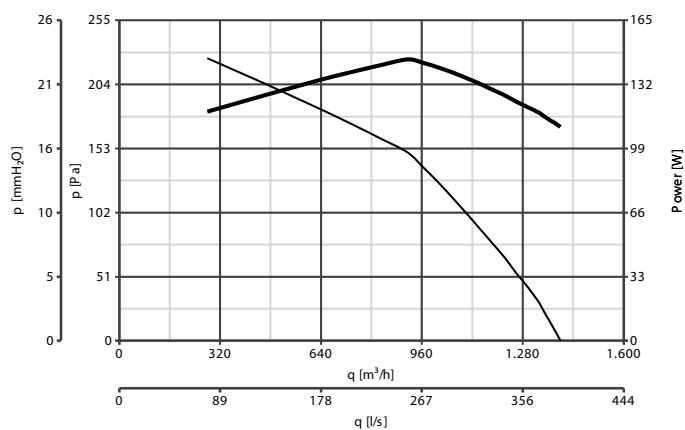
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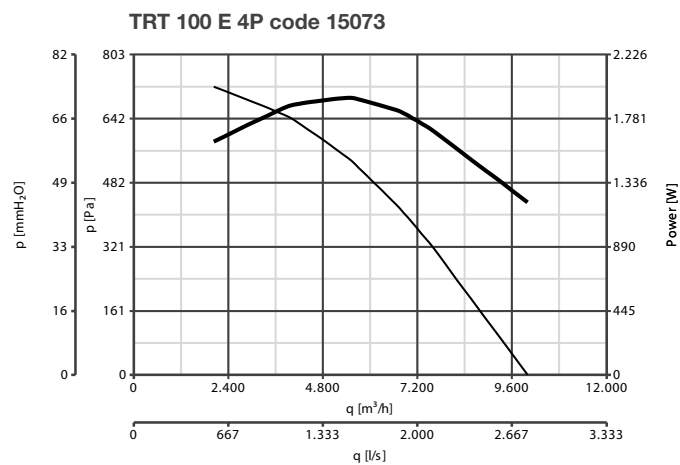
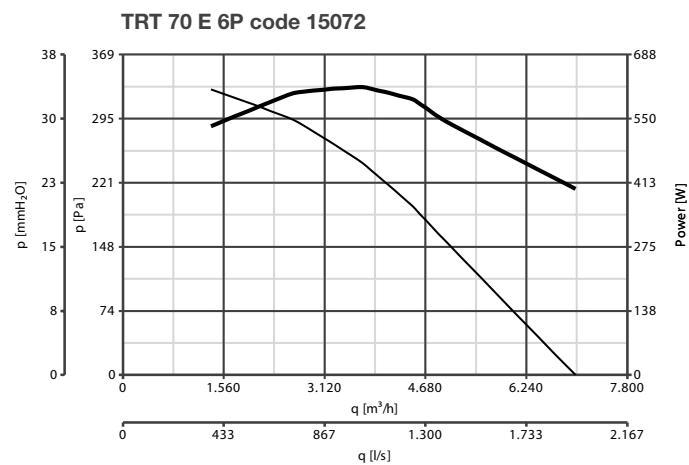
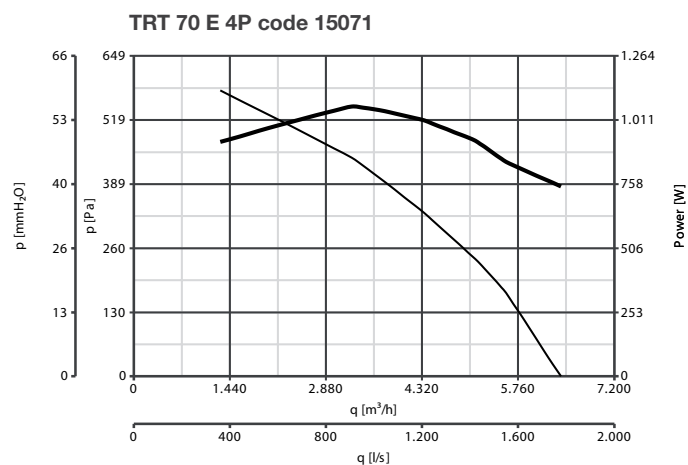
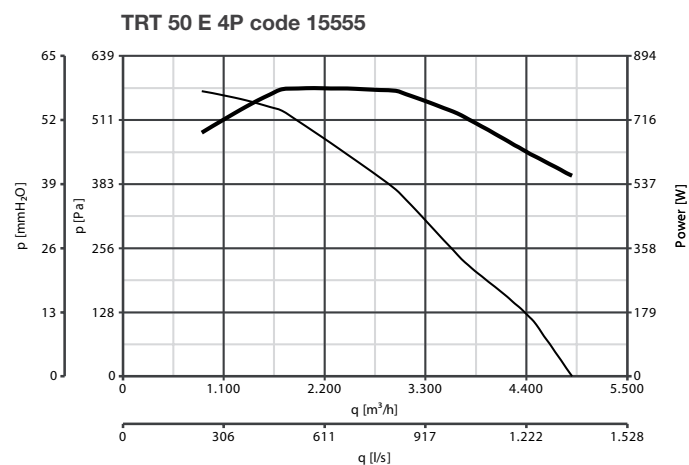
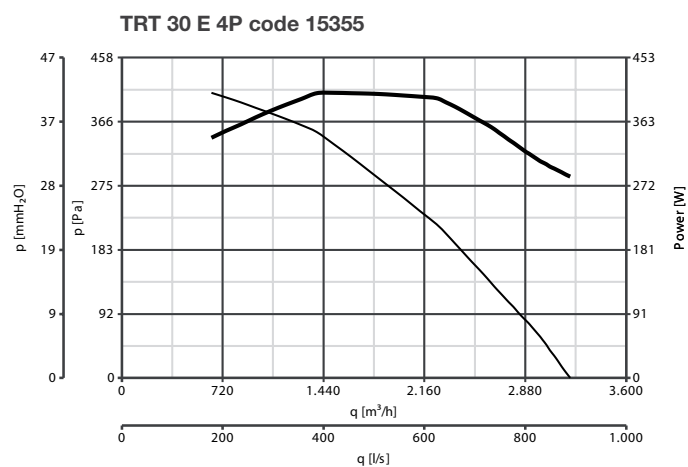
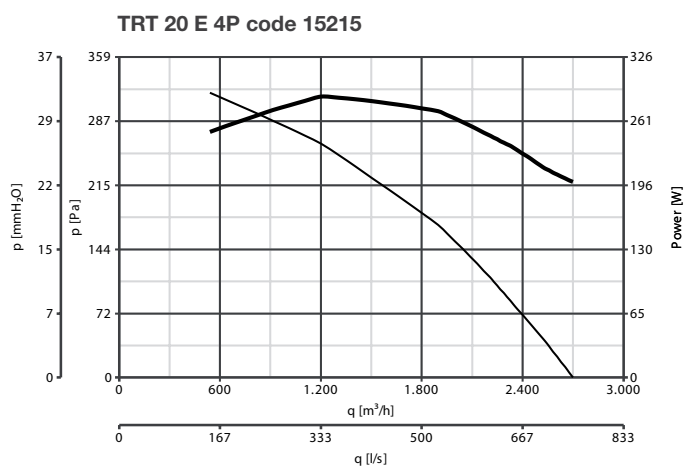


TRT 10 E 4P code 15155

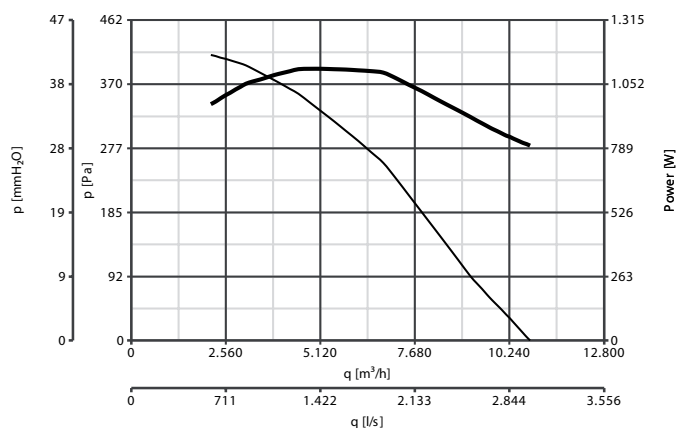


TRT 15 E 4P code 15255

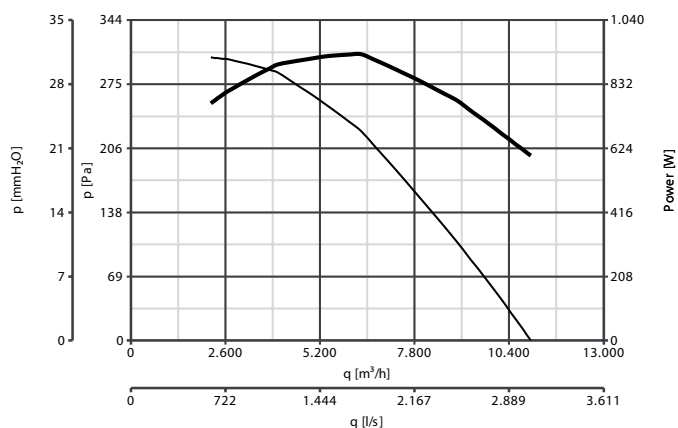




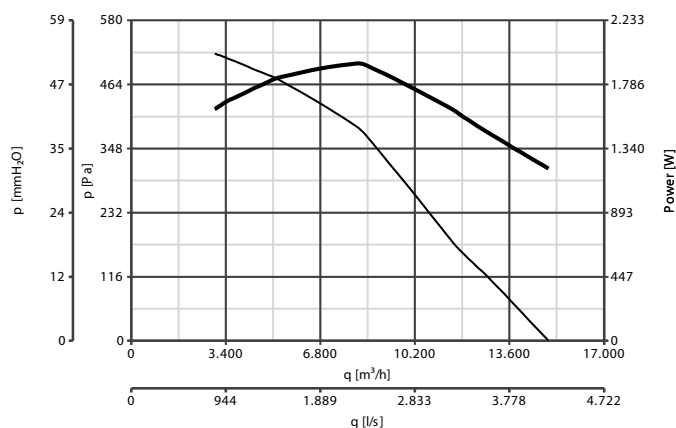
TRT 100 E 6P code 15074



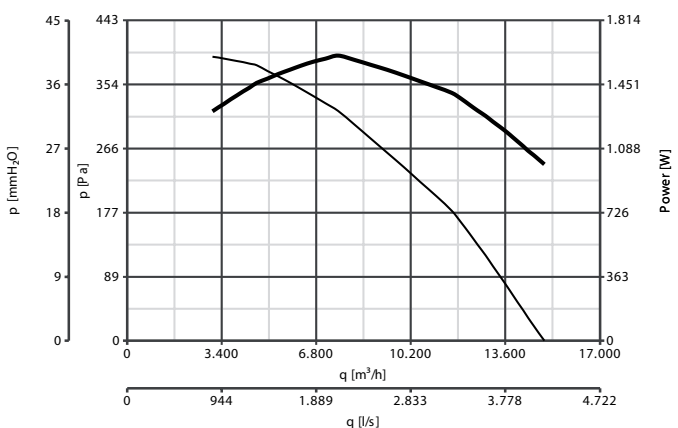
TRT 100 E 8P code 15075



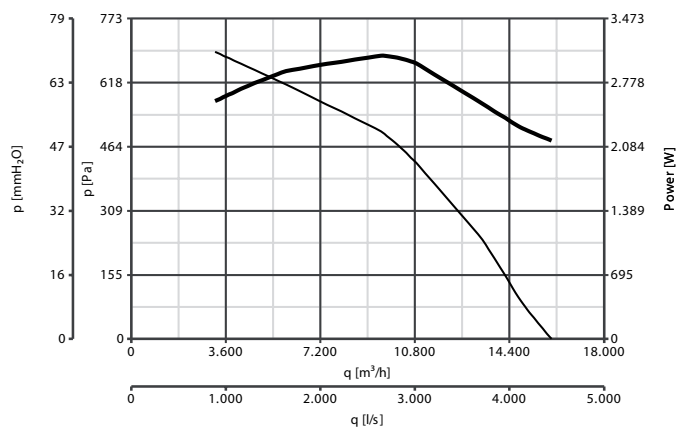
TRT 150 E 6P code 15076



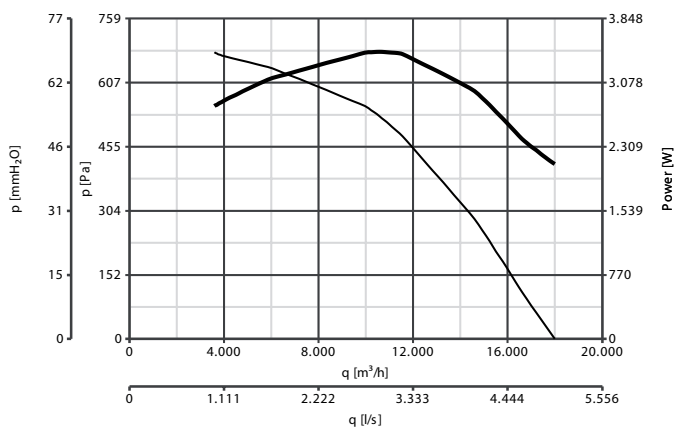
TRT 150 E 8P code 15077



TRT 180 E 6P code 15078



TRT 210 E 6P code 15079



Delivery

Consumption

