

TORRETTE TR-ED RANGE

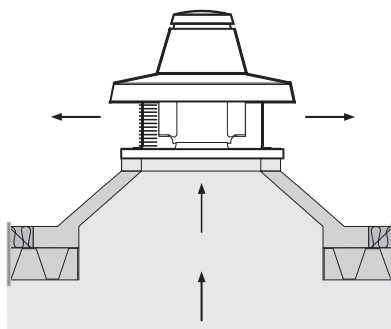
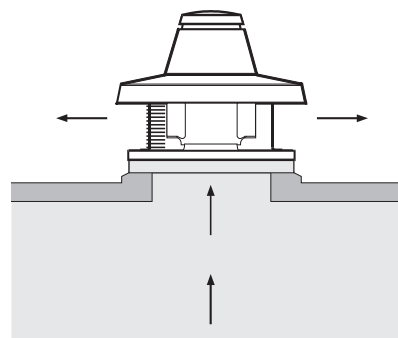
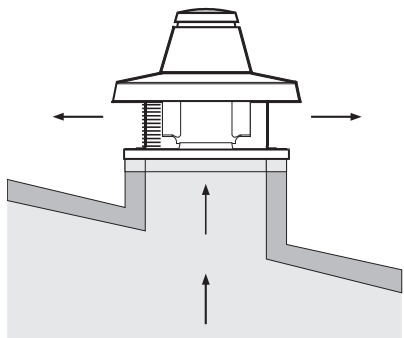
Centrifugal roof fans with horizontal discharge
for hot fumes extraction

PRODUCT SPECIFICATIONS



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 guard.
- Asynchronous induction motors, thermally protected, standard UNELMEC B5 size, ball bearing mounted shafts.
- Galvanised steel sheet fan with self cleaning, backward curved blades, self-ventilating, die casted aluminium hub, clockwise rotation (intake view).
- Streamlined cross-section intake port, made of polyester sheet steel painted.
- For long term safety each unit has a safety cable to anchor it to the base.
- Delivery: up to 18.000 m³/h.
- In countries that do not recognize the N°327/2011/UE European Regulation the usage is admitted for applications different from hot fumes treatment, ambient temperature between -25°C and +90°C.
- Motors insulation class H.
- Protection rating: IP55
- Insulation class: Cl.I Ⓣ.





KEY FEATURES

- Easy to install on all types of roof. For low dust, acid-free and non-corrosive air extraction only.
Not suitable for installation in ducts located directly above fireplaces or burners.
- Engineered for 2 hours continuous extraction of fumes at 400 °C according to EN 12101-3.
- Three-phase modes 10-150: 2 speeds; minimum speed not available for hot fumes extraction.

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
								m³/h min/max	l/s min/max	mm H ₂ O min/max	Pa min/max			
Single - phase	TRM 10 ED 4P	15039	200-240	110	0.46	4	1395	1000	278	20	196	56	400 °C/2h	18.5
	TRM 15 ED 4P	15041	200-240	140	0.60	4	1315	1400	389	24	235	58.5	400 °C/2h	19
	TRM 20 ED 4P	15043	200-240	270	1.20	4	1375	2200	611	34	334	68	400 °C/2h	33
	TRM 30 ED 4P	15046	200-240	420	1.90	4	1285	3100	861	40	392	67	400 °C/2h	35
	TRM 50 ED 4P	15048	200-240	720	3.30	4	1290	4500	1250	52	510	72.5	400 °C/2h	40
	TRM 70 ED 4P	15080	200-240	1020	4.50	4	1415	5800	1611	65	638	77	400 °C/2h	80
Three - phase	TRT 10 ED 4P	15040	380-415	72 100	0.13 0.24	4	1270 1430	890 1100	247 306	17 21	167 206	56	400 °C/2h	18.5
	TRT 15 ED 4P	15042	380-415	93 130	0.16 0.27	4	1150 1400	1100 1400	306 389	16 24	157 235	58.5	400 °C/2h	19
	TRT 20 ED 4P	15045	380-415	208 270	0.32 0.53	4	1050 1400	1800 2200	500 611	24 34	235 334	68	400 °C/2h	33
	TRT 30 ED 4P	15047	380-415	305 420	0.48 0.75	4	1070 1400	2555 3100	710 861	30 43	294 422	67	400 °C/2h	35
	TRT 50 ED 4P	15049	380-415	530 690	0.80 1.20	4	1150 1400	3800 4500	1056 1250	38 52	373 510	72.5	400 °C/2h	40

TORRETTE TR-ED RANGE

Centrifugal roof fans with horizontal discharge
for hot fumes extraction

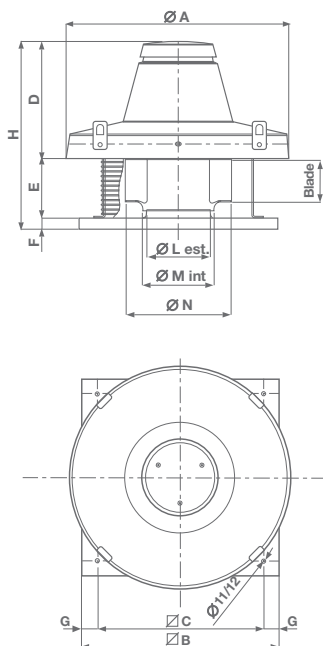
TECHNICAL DATA

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
							m³/h min/max	l/s min/max	mm H ₂ O min/max	Pa min/max			
TRT 70 ED 4P	15081	380-415	820 1090	1.50 2.00	4	1150 1400	5300 6000	1472 1667	52 67	510 657	77	400 °C/2h	78
TRT 70 ED 6P	15082	380-415	420 580	0.80 1.30	6	750 950	5300 6000	1472 1667	30 38	294 373	74	400 °C/2h	81
TRT 100 ED 4P	15083	380-415	1400 1950	2.30 4.90	4	1200 1400	8300 9100	2306 2528	72 84	706 824	84	400 °C/2h	81.5
TRT 100 ED 6P	15084	380-415	900 1130	1.40 2.40	6	730 950	7550 8600	2097 2389	38 47	373 461	77	400 °C/2h	114
TRT 100 ED 8P	15085	380-415	600 860	1.20 2.00	8	570 715	8200 9200	2278 2556	28 34	275 334	71	400 °C/2h	124
TRT 150 ED 6P	15086	380-415	1280 1930	2.40 3.50	6	700 930	11000 12800	3056 3556	42 59	412 579	80	400 °C/2h	125
TRT 150 ED 8P	15087	380-415	1000 1500	2.00 3.00	8	610 715	11600 13500	3222 3750	34 42	334 412	74	400 °C/2h	129
TRT 180 ED 6P	15919	400	3200	6.11	6	950	16500	4583	79	775	83	400 °C/2h	127
TRT 210 ED 6P	15920	400	3460	6.42	6	950	18000	5000	80	785	84	400 °C/2h	129

Three - phase

* 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	$\varnothing A$	B	C	D	E	F	G	H	$\varnothing L$	$\varnothing M$	$\varnothing N$	$\varnothing Q$	Blade
TRM 10 ED-V 4P	652	410	357	440	328	38	26.5	502	170	187.5	283	11	101.5
TRM 15 ED-V 4P	652	410	357	440	328	38	26.5	502	182	199	315	11	101.5
TRM 20 ED-V 4P	907	550	500	580	432	38	25	586	219	236.5	359	11	125
TRM 30 ED-V 4P	907	550	500	580	432	38	25	604	244	265.5	404	11	140
TRM 50 ED-V 4P	907	550	500	580	432	38	25	631	278	298	454	11	160
TRM 70 ED 4P	1144	830	750	860	491	38	40	723	328	335	504	12	180
TRT 10 ED-V 4P	652	410	357	440	328	38	26.5	502	170	187.5	283	11	101.5
TRT 15 ED-V 4P	652	410	357	440	328	38	26.5	502	182	199	315	11	101.5
TRT 20 ED-V 4P	907	550	500	580	432	38	25	586	219	236.5	359	11	125
TRT 30 ED-V 4P	907	550	500	580	432	38	25	604	244	265.5	404	11	140
TRT 50 ED-V 4P	907	550	500	580	432	38	25	631	278	298	454	11	160
TRT 70 ED-V 4P	1144	830	750	860	491	38	40	723	328	335	504	12	180
TRT 70 ED-V 6P	1144	830	750	860	491	38	40	723	365	375	564	12	180
TRT 100 ED-V 4P	1144	830	750	860	491	38	40	723	365	375	564	12	224

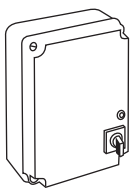
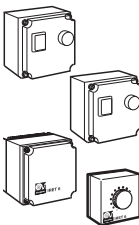
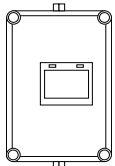
Dimensions (mm)

DIMENSIONS

Models	Ø A	B	C	D	E	F	G	H	Ø L	Ø M	Ø N	Ø Q	Blade
TRT 100 ED-V 6P	1462	980	900	1010	595	38	40	923	415	421	635	12	224
TRT 100 ED-V 8P	1462	980	900	1010	595	38	40	923	465	472	715	12	224
TRT 150 ED-V 6P	1462	980	900	1010	595	38	40	923	465	472	715	12	250
TRT 150 ED-V 8P	1462	980	900	1010	595	38	40	923	520	529	805	12	250
TRT 180 ED-V 6P	1462	980	900	1010	595	38	40	923	520	529	805	12	224
TRT 210 ED-V 6P	1462	980	900	1010	595	38	40	923	520	529	805	12	250

Dimensions (mm)

ACCESSORIES

	Description	Code	Product
	IRM 30 - Three position single phase speed controller	12921	15039 - 15041
	IRM 40 - Three position single phase speed controller	12922	15043 - 15046
	IRM 50 - Three position single phase speed controller	12928	15048
	IRT 15 - Three position three phase speed controller	12923	15040 - 15042 - 15045
	IRT 35 - Three phase variable voltage drive	12924	15047 - 15049 - 15082 - 15085
	IRT 40 - Three position three phase speed controller	12927	15084 - 15087
	IREM 3 - Single - phase speed controller	12931	15039 - 15041 - 15043 - 15046
	IREM 5 - Single - phase speed controller	12932	15048
	IREM 9 - Single - phase speed controller	12933	15080
	IRET 6 - Three - phases speed controller	12934	15081 - 15082 - 15083 - 15084 - 15085 - 15086 - 15087
	IRET INVERTER 1.2 - Three- phase speed controller INVERTER	12909	15040 - 15042 - 15045 - 15047
	IRET INVERTER 2.2 - Three - phase speed controller INVERTER	12925	15049 - 15081 - 15082 - 15085
	IRET INVERTER 5 - Three - phase speed controller INVERTER	12947	15083 - 15084 - 15086 - 15087
	IRET INVERTER 8 - Three - phase speed controller INVERTER	12989	15919 - 15920

TORRETTE TR-ED RANGE

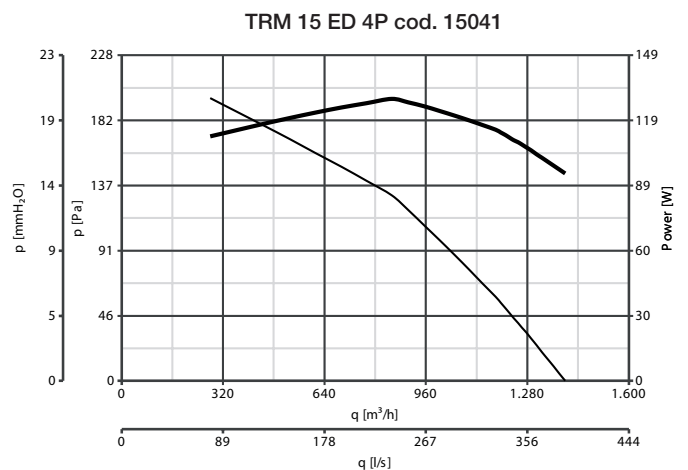
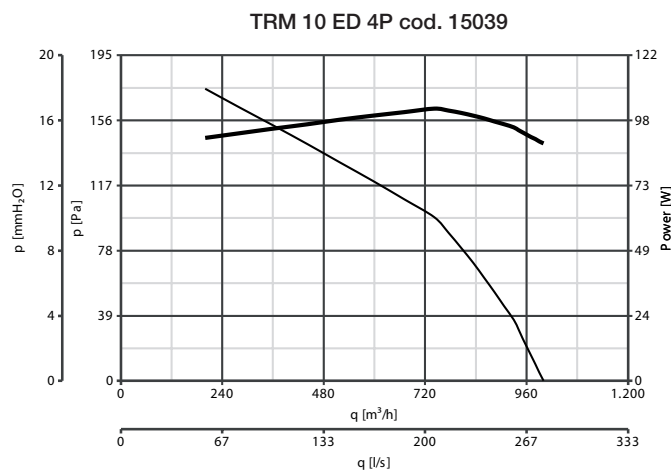
Centrifugal roof fans with horizontal discharge
for hot fumes extraction

ACCESSORIES

	Description	Code	Product
	IREM INVERTER 4M - Single - phase speed controller	12815	15039 - 15041 - 15043 - 15046 - 15048
	IREM INVERTER 6 M - Single - phase speed controller	12818	15080
	IRET INVERTER 2.5 M - Three - phase speed controller	12816	15040 - 15042 - 15045 - 15047 - 15049 - 15081 15082 - 15085
	IRET INVERTER 5 M - Three - phase speed controller	12817	15084 - 15086 - 15087
	POTENTIOMETER	12819	per i codici 12815 - 12816 - 12817 - 12818
	TR-CU - 10/15 Sub - frame	22511	15039 - 15040 - 15041 - 15042
	TR-CU - 20/30/50 Sub - frame	22512	15043 - 15045 - 15046 - 15047 - 15048 - 15049
	TR-CU - 70/100 Sub - frame	22539	15080 - 15081 - 15082 - 15083
	TR-CU - 100/150/180/210 Sub - frame	22540	15084 - 15085 - 15086 - 15087 - 15919 - 15920
	TR-G - 10/15 Intake port protection grille	22700	15039 - 15040 - 15041 - 15042
	TR-G - 20/30/50 Intake port protection grille	22710	15043 - 15045 - 15046 - 15047 - 15048 - 15049
	TR-G - 70/100 Intake port protection grille	22506	15080 - 15081 - 15082 - 15083
	TR-G - 100/150/180/210 Intake port protection grille	22507	15084 - 15085 - 15086 - 15087 - 15919 - 15920

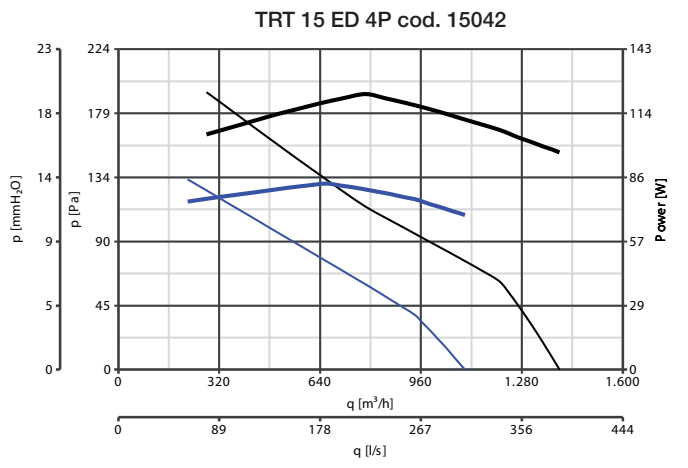
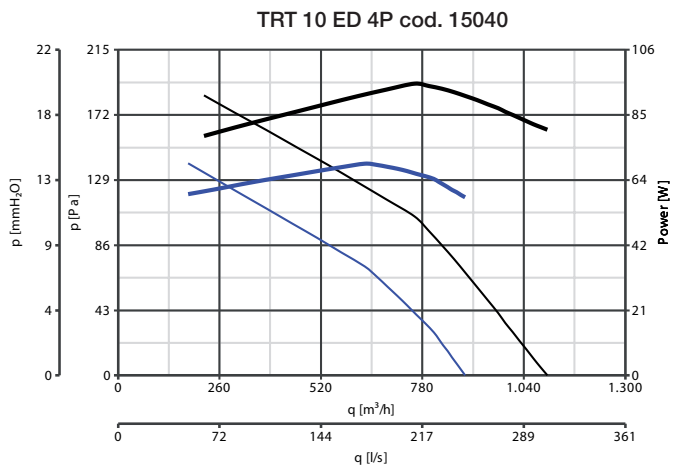
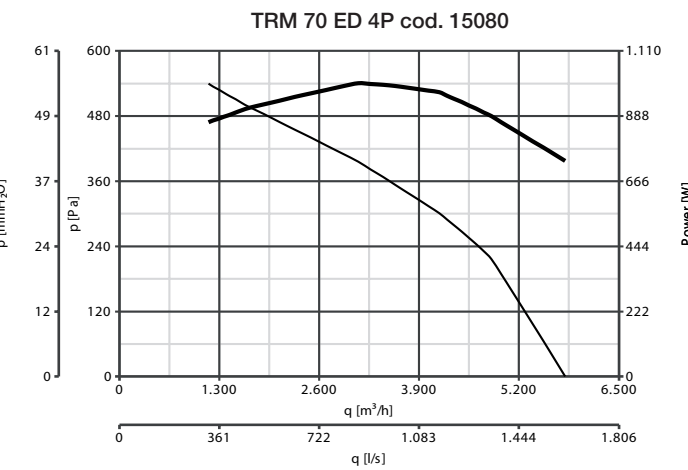
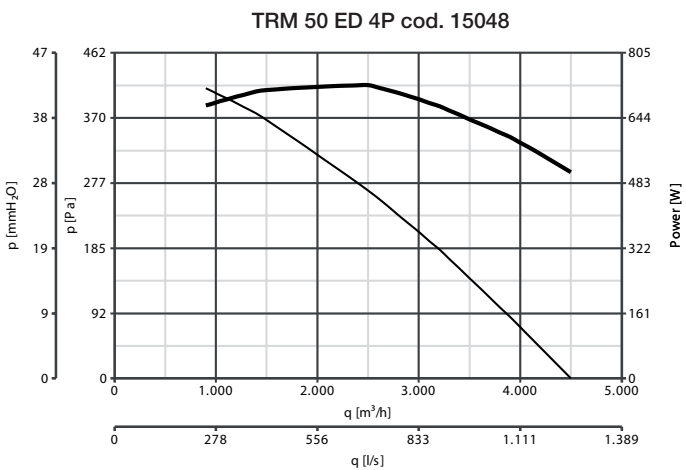
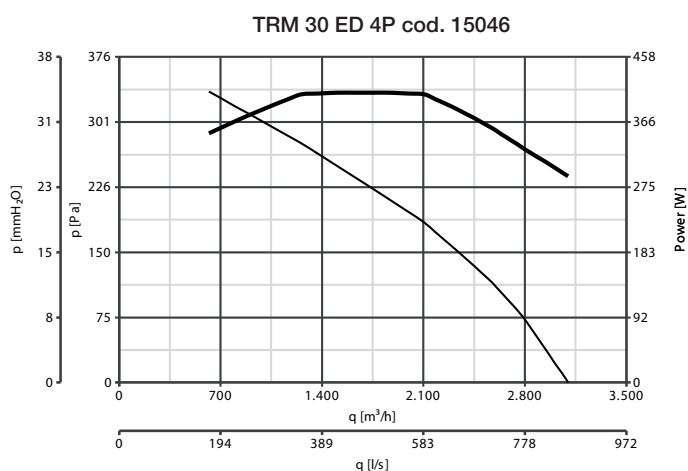
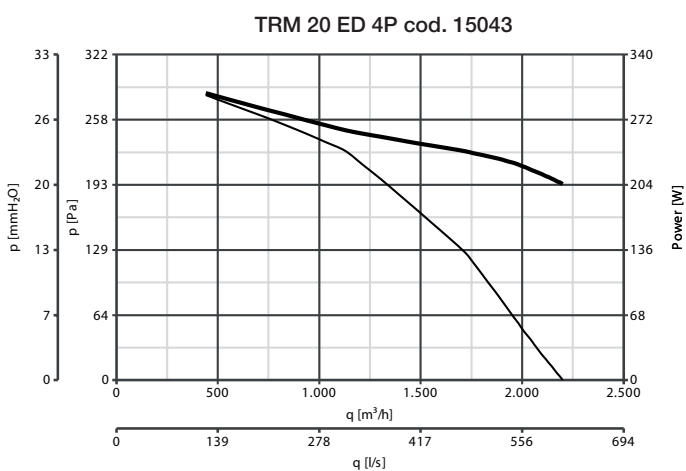
PERFORMANCE CURVES

— P= power consumption — ps = delivery



PERFORMANCE CURVES

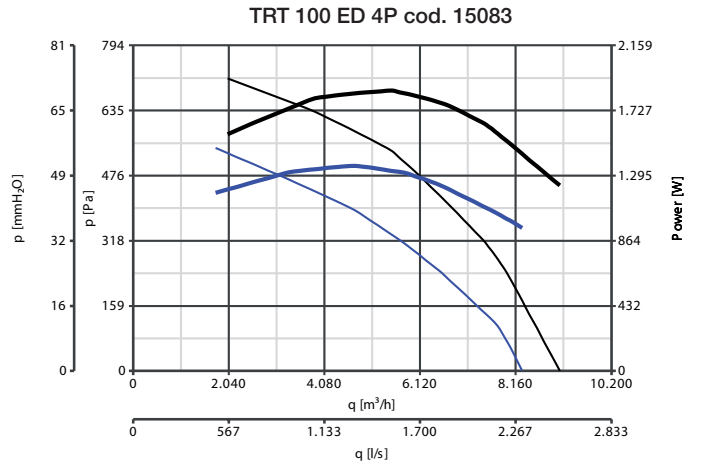
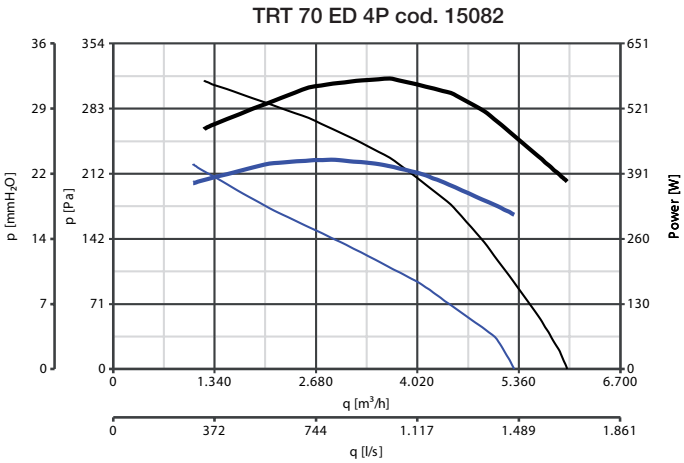
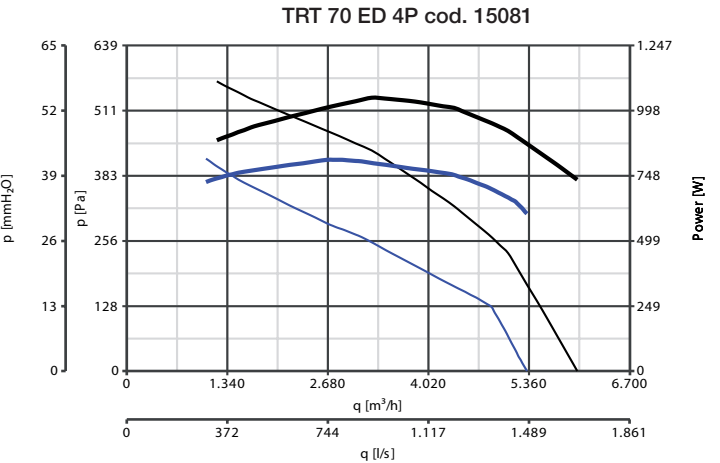
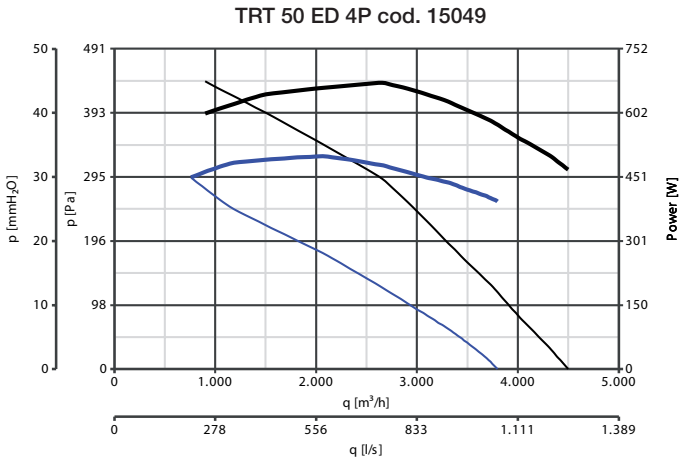
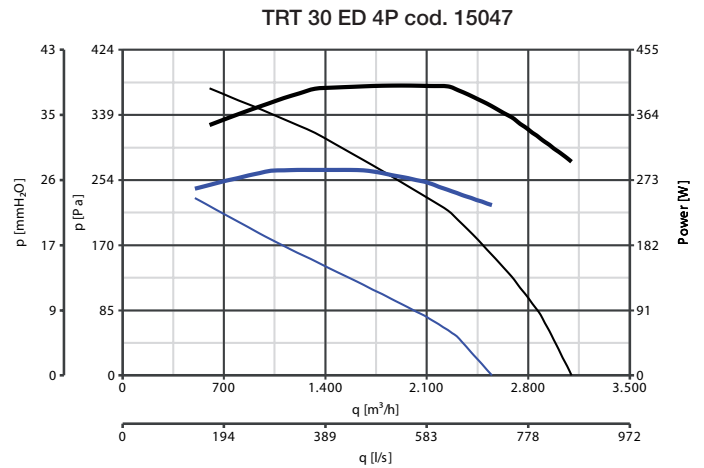
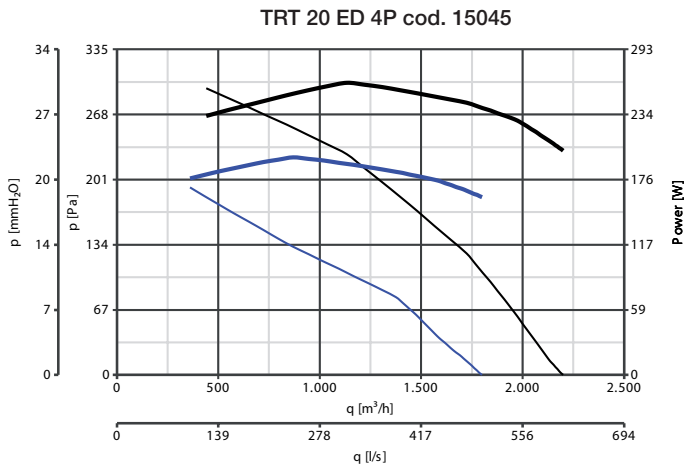
— P_1 = power consumption — ps_1 = delivery — P_2 = power consumption — ps_2 = delivery





PERFORMANCE CURVES

— P_1 = power consumption — ps_1 = delivery — P_2 = power consumption — ps_2 = delivery



PERFORMANCE CURVES

— P_1 = power consumption — ps_1 = delivery — P_2 = power consumption — ps_2 = delivery

