



APPLICATION

Range of centrifugal roof mounted fans in horizontal discharge format. ROOF-H are designed for ventilation:

- warehouses, shop and industrial halls, farm buildings in agriculture, etc.

Due to their high temperature resistance, they are especially recommended as extractors:

- from over grates, from hoods in the meat industry and gastronomy.

CONSTRUCTION

- rotors with backward blades are made of aluminum sheet,
- the base are made of aluminum sheet,
- brackets and motor support plate are made of stainless steel,
- canopy made of aluminum sheet,
- protective mesh made of stainless steel.
- designed for vertical work
- suitable for mounting on flat roofs,
- working temperature -40°C to +120°C.

MOTOR

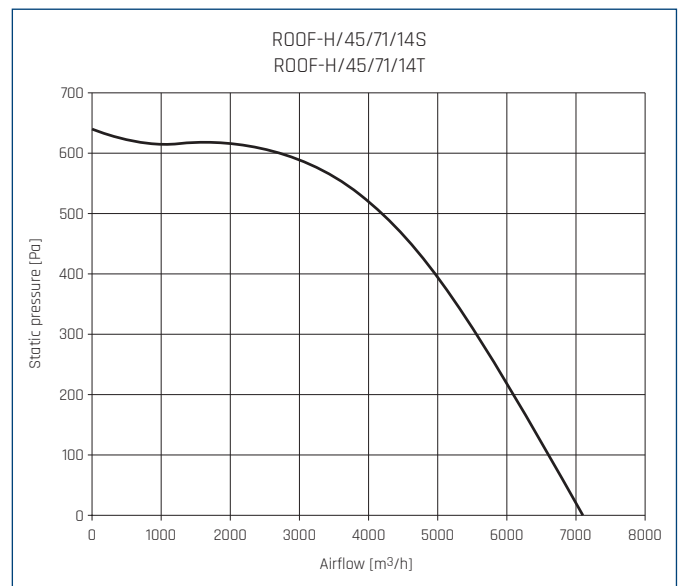
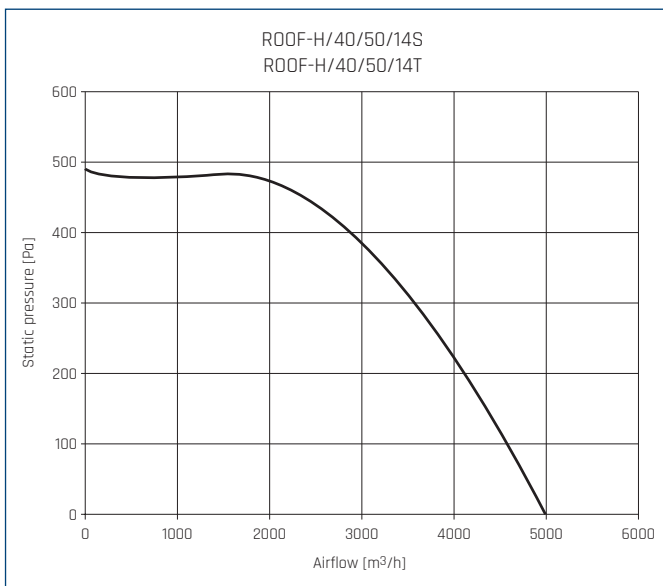
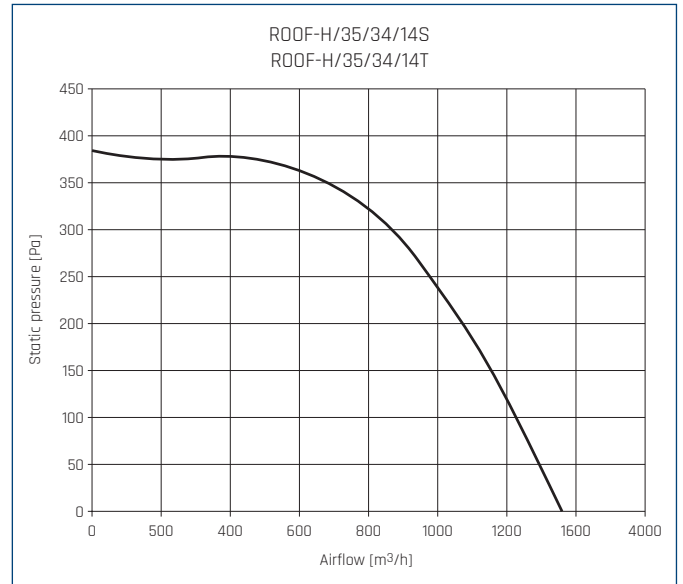
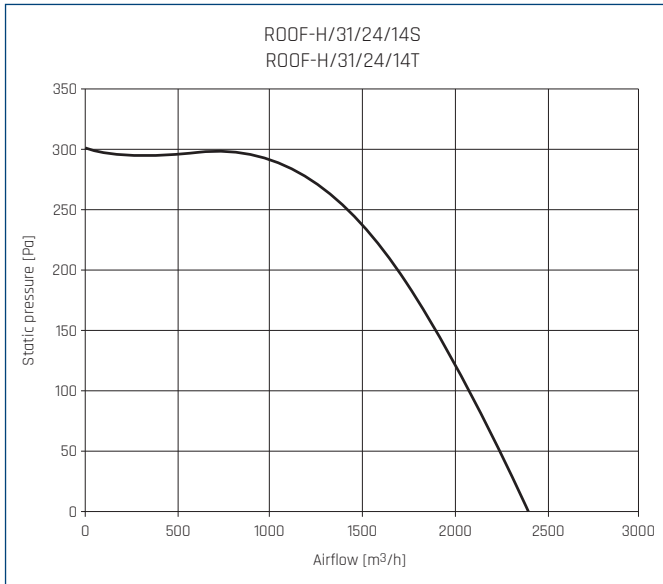
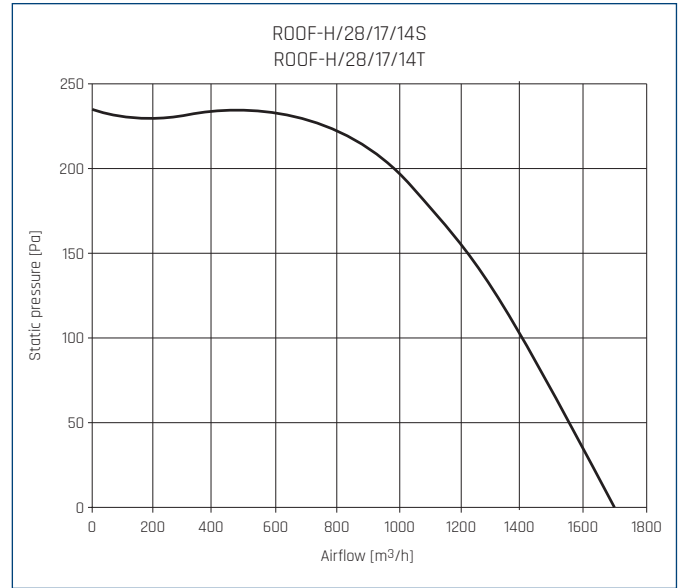
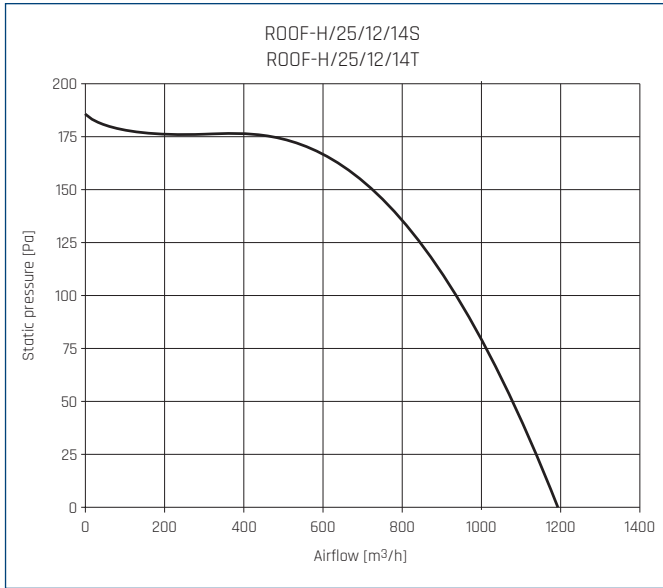
- asynchronous single-phase 230V 50Hz (power to 1,1 kW)
- asynchronous 3-phase 230 / 400V, 50Hz (power up to 3,0 kW),
- asynchronous 3-phase 400 / 690V, 50Hz (power from 4,0 kW),
- degree of protection IP55,
- insulation class F,
- single-phase motors are adapted to voltage regulation,
- three-phase motors are adapted for frequency converter.

TECHNICAL CHARACTERISTICS

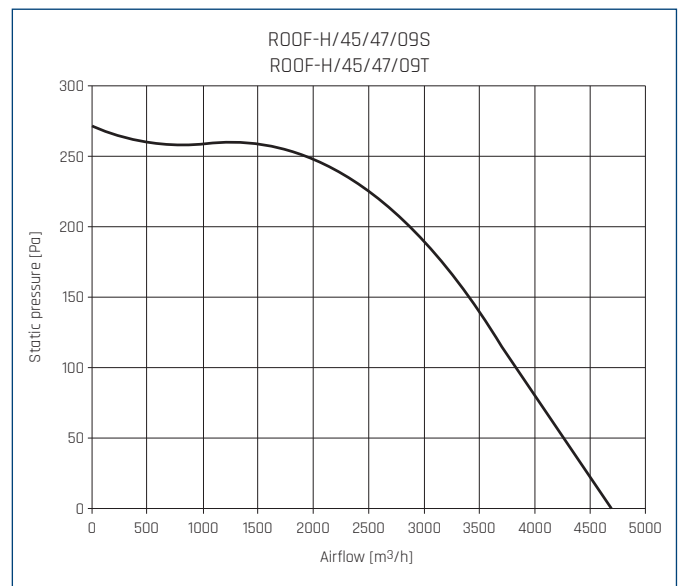
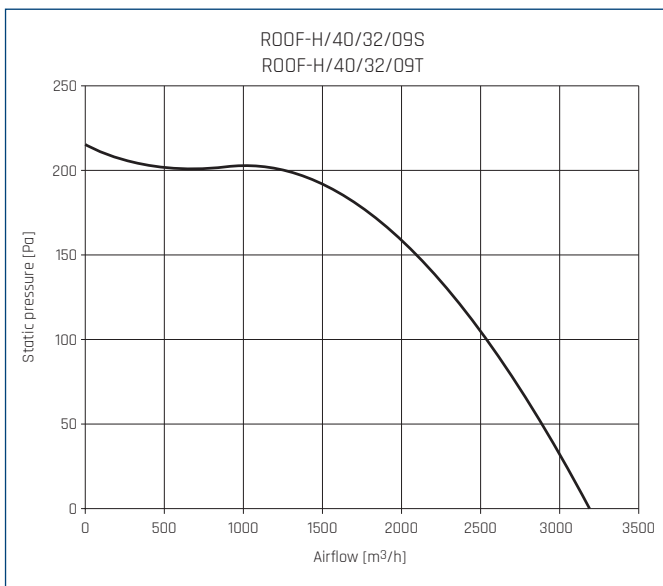
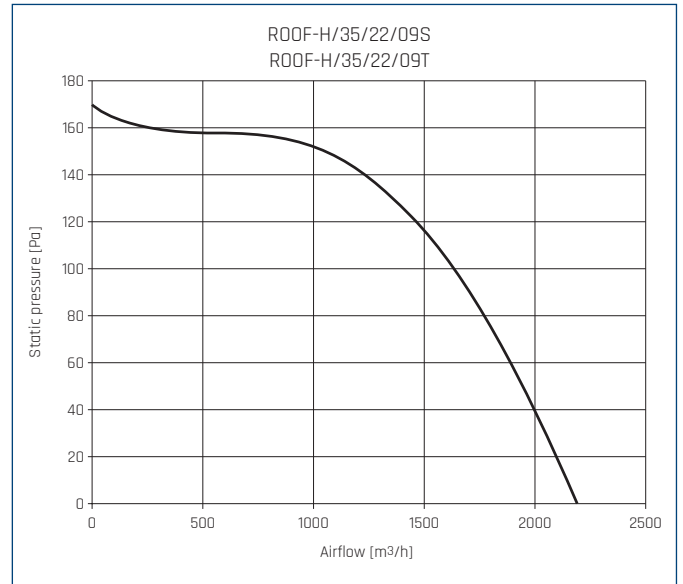
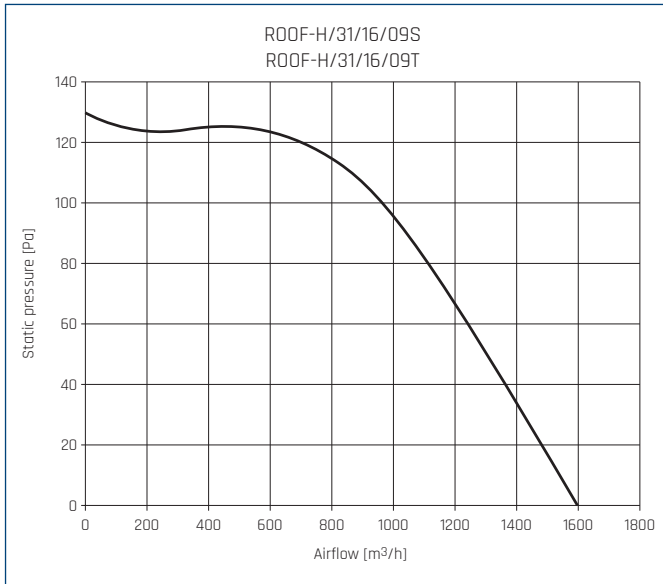
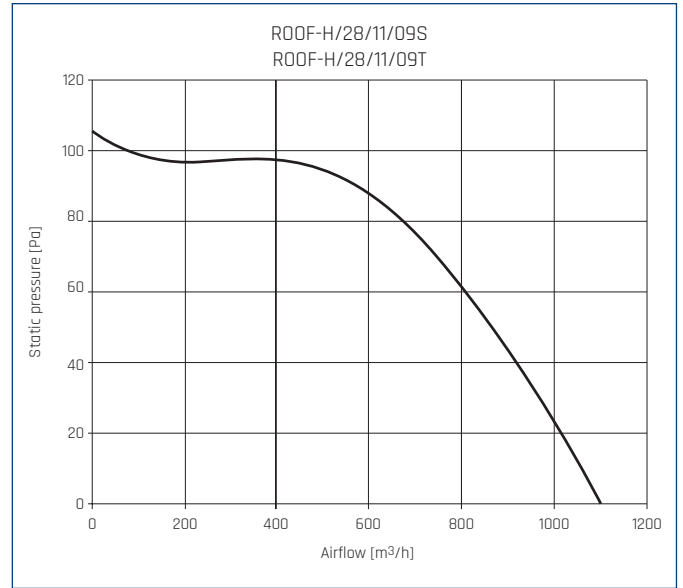
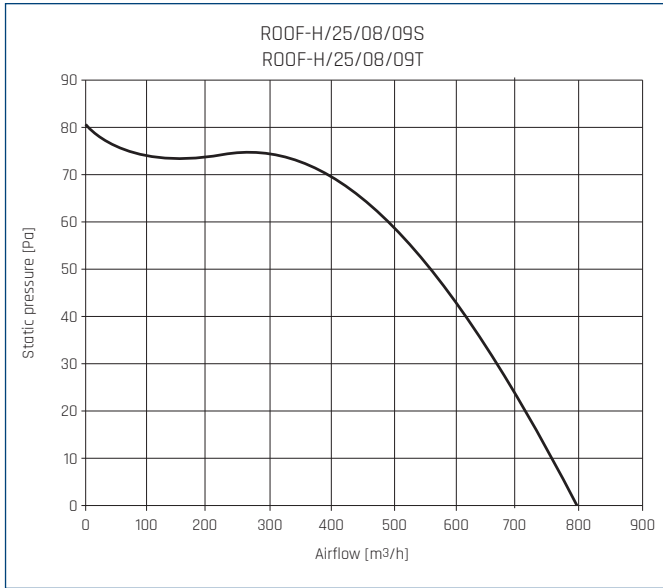
Type	speed	maximum absorbed power	rated voltage	maximum absorbed current	airflow at free discharge	maximum pressure	sound pressure level*	weight	article number
	[rpm]	[kW]	[V]	[A]	[m ³ /h]	[Pa]	[dB(A)]	[kg]	
FOUR-POLE SINGLE-PHASE MOTORS									
ROOF-H/25/12/14S	1 420	0,18	230	1,4	1 220	185	54	17	43534396
ROOF-H/28/17/14S	1 340	0,25	230	1,7	1 700	235	57	19	43534401
ROOF-H/31/24/14S	1 420	0,37	230	2,8	2 400	300	60	22	43534406
ROOF-H/35/34/14S	1 430	0,55	230	3,8	3 400	385	63	32	43534411
ROOF-H/40/50/14S	1 430	0,75	230	4,1	5 000	490	66	36	43534416
ROOF-H/45/71/14S	1 300	1,1	230	7,5	7 100	620	69	50	43534421
SIX-POLE SINGLE-PHASE MOTORS									
ROOF-H/25/08/09S	880	0,12	230	1,4	800	80	52	18	43534398
ROOF-H/28/11/09S	880	0,12	230	1,4	1 100	105	54	18	43534403
ROOF-H/31/16/09S	880	0,12	230	1,4	1 600	130	57	20	43534408
ROOF-H/35/22/09S	920	0,18	230	1,6	2 250	170	60	28	43534413
ROOF-H/40/32/09S	940	0,25	230	2,3	3 200	215	63	33	43534418
ROOF-H/45/47/09S	930	0,37	230	2,9	4 700	270	66	44	43534423
ROOF-H/50/64/09S	940	0,75	230	5,2	6 400	340	69	55	43534428
FOUR-POLE THREE-PHASE MOTORS									
ROOF-H/25/12/14T	1 400	0,18	400	0,55	1 220	185	54	19	43534395
ROOF-H/28/17/14T	1 410	0,25	400	0,8	1 700	235	57	20	43534400
ROOF-H/31/24/14T	1 410	0,37	400	1,1	2 400	300	60	23	43534405
ROOF-H/35/34/14T	1 420	0,55	400	1,6	3 400	385	63	31	43534410
ROOF-H/40/50/14T	1 430	0,75	400	2,1	5 000	490	66	36	43534415
ROOF-H/45/71/14T	1 430	1,1	400	2,5	7 100	620	69	55	43534420
ROOF-H/50/97/14T	1 450	2,2	400	4,6	9 700	765	73	73	43534425
ROOF-H/56/136/14T	1 460	3	400	6,7	13 600	950	76	76	43534430
SIX-POLE THREE-PHASE MOTORS									
ROOF-H/25/08/09T	870	0,12	400	0,65	800	80	52	17	43534397
ROOF-H/28/11/09T	870	0,12	400	0,65	1 100	105	54	17	43534402
ROOF-H/31/16/09T	870	0,12	400	0,65	1 600	130	57	19	43534407
ROOF-H/35/22/09T	900	0,18	400	0,7	2 250	170	60	27	43534412
ROOF-H/40/32/09T	880	0,25	400	1	3 200	215	63	31	43534417
ROOF-H/45/47/09T	880	0,37	400	1,3	4 700	270	66	44	43534422
ROOF-H/50/64/09T	940	0,75	400	2	6 400	340	69	56	43534427
ROOF-H/56/90/09T	940	1,1	400	2,8	9 000	430	73	64	43534432
ROOF-H/63/129/09T	965	2,2	400	5	12 900	540	74	105	43534437
ROOF-H/71/184/09T	965	3	400	6,2	18 400	690	81	147	43534442
ROOF-H/80/264/09T	960	5,5	400	13,3	26 400	840	85	190	43534447

*Measurement made at a distance of 1.5m from the outlet, for Q = 2/3 * Qmax

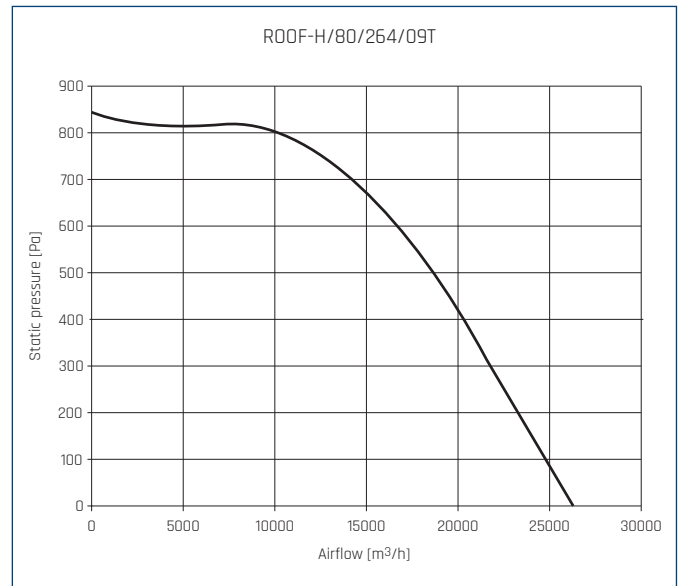
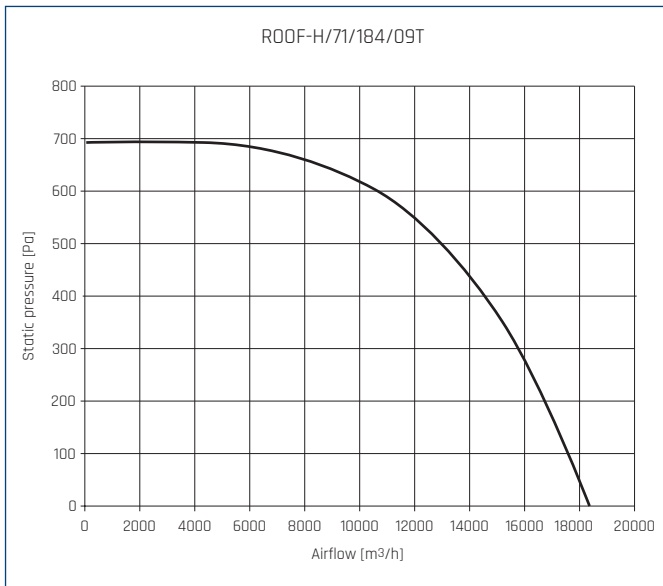
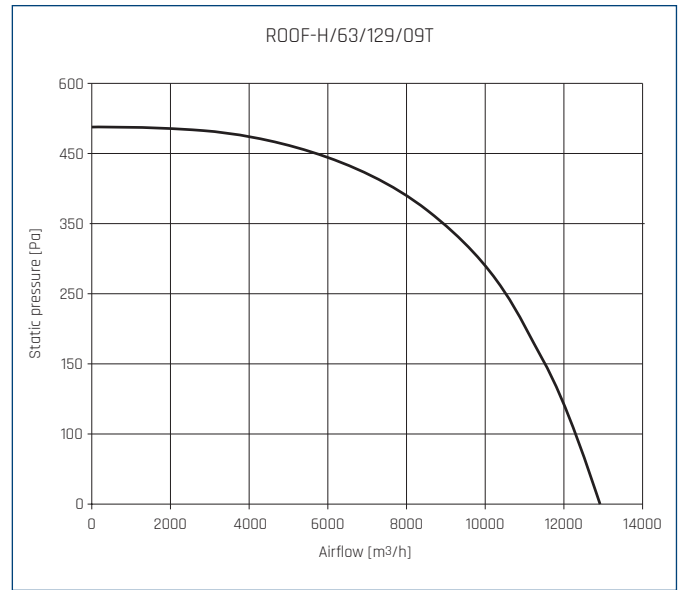
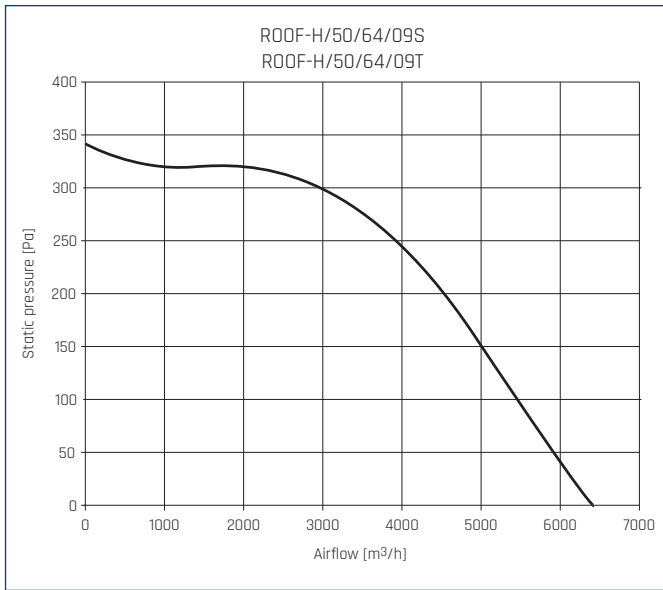
PERFORMANCE CURVES



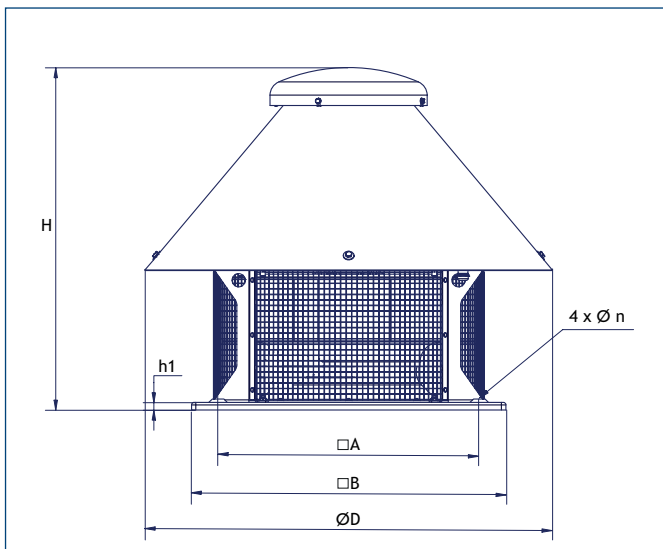
PERFORMANCE CURVES



PERFORMANCE CURVES



DIMENSIONS [mm]



Type	□A	□B	ØD	H	h1	Øn
ROOF-H/25	330	435	510	456	15	12
ROOF-H/28	330	435	510	456	15	12
ROOF-H/31	330	435	570	471	15	12
ROOF-H/35	450	560	680	606	15	12
ROOF-H/40	450	560	730	623	15	12
ROOF-H/45	535	630	800	666	15	12
ROOF-H/50	590	710	920	773	17	12
ROOF-H/56	590	710	1000	762	17	12
ROOF-H/63	750	900	1115	935	40	14
ROOF-H/71	750	900	1250	1 060	40	14
ROOF-H/80	840	1 100	1410	1 185	40	14

ELECTRICAL ACCESSORIES

Type	wall thermostat	duct thermostat	temperature sensor for TK-21	air quality sensor	humidistat
	TS*	TK-21		SQA	HIG-2
ROOF-H/25/12/14S	TS	TK-21	TK-21 sensor	SQA	HIG-2
ROOF-H/28/17/14S	TS	TK-21	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/31/24/14S	TS + DILM7-10	TK-21	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/35/34/14S	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/40/50/14S	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/45/71/14S	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/25/08/09S	TS	TK-21	TK-21 sensor	SQA	HIG-2
ROOF-H/28/11/09S	TS	TK-21	TK-21 sensor	SQA	HIG-2
ROOF-H/31/16/09S	TS	TK-21	TK-21 sensor	SQA	HIG-2
ROOF-H/35/22/09S	TS	TK-21	TK-21 sensor	SQA	HIG-2
ROOF-H/40/32/09S	TS	TK-21	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/45/47/09S	TS + DILM7-10	TK-21	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/50/64/09S	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/25/12/14T	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/28/17/14T	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/31/24/14T	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/35/34/14T	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/40/50/14T	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/45/71/14T	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/50/97/14T	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/56/136/14T	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/25/08/09T	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/28/11/09T	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/31/16/09T	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/35/22/09T	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/40/32/09T	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/45/47/09T	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/50/64/09T	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/56/90/09T	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/63/129/09T	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/71/184/09T	TS + DILM7-10	TK-21 + DILM7-10	TK-21 sensor	SQA + DILM7-10	HIG-2 + DILM7-10
ROOF-H/80/264/09T	TS + DILM9-10	TK-21 + DILM9-10	TK-21 sensor	SQA + DILM9-10	HIG-2 + DILM7-10

* single-phase motors must use all tracks in the contactor



ELECTRICAL ACCESSORIES

Type	thyristor controller	11-speed thyristor controller	transformer regulator		transformer regulator 2-adjustable	inverter
	REB N	IRF	RMB	RVS	SC2A	
ROOF-H/25/12/14S	REB-5	IRF-900	RMB 3,5	RVS 3	SC2A1-25L25	-
ROOF-H/28/17/14S	REB-5	IRF-900	RMB 3,5	RVS 3	SC2A1-25L25	-
ROOF-H/31/24/14S	REB-5	IRF-900	RMB 3,5	RVS 5	SC2A1-35L25	-
ROOF-H/35/34/14S	REB-10	IRF-900	RMB 8	RVS 5	SC2A1-50L25	-
ROOF-H/40/50/14S	REB-10	IRF-900	RMB 8	RVS 5	SC2A1-50L25	-
ROOF-H/45/71/14S	REB-10	-	RMB 10	RVS 10	SC2A1-110L25	-
ROOF-H/25/08/09S	REB-5	IRF-900	RMB 3,5	RVS 3	SC2A1-25L25	-
ROOF-H/28/11/09S	REB-5	IRF-900	RMB 3,5	RVS 3	SC2A1-25L25	-
ROOF-H/31/16/09S	REB-5	IRF-900	RMB 3,5	RVS 3	SC2A1-25L25	-
ROOF-H/35/22/09S	REB-5	IRF-900	RMB 3,5	RVS 3	SC2A1-25L25	-
ROOF-H/40/32/09S	REB-5	IRF-900	RMB 3,5	RVS 3	SC2A1-25L25	-
ROOF-H/45/47/09S	REB-10	IRF-900	RMB 3,5	RVS 5	SC2A1-50L25	-
ROOF-H/50/64/09S	REB-10	IRF-900	RMB 8	RVS 7	SC2A1-75L25	-
ROOF-H/25/12/14T	-	-	-	-	SC2A4-15L55	L 0.4kW
ROOF-H/28/17/14T	-	-	-	-	SC2A4-15L55	L 0.4kW
ROOF-H/31/24/14T	-	-	-	-	SC2A4-15L55	L 0.4kW
ROOF-H/35/34/14T	-	-	-	-	SC2A4-25L55	L 0.75kW
ROOF-H/40/50/14T	-	-	-	-	SC2A4-25L55	L 0.75kW
ROOF-H/45/71/14T	-	-	-	-	SC2A4-40L55	L 1.5kW
ROOF-H/50/97/14T	-	-	-	-	SC2A4-60L55	L 2.2kW
ROOF-H/56/136/14T	-	-	-	-	SC2A4-80L55	L 4.0kW
ROOF-H/25/08/09T	-	-	-	-	SC2A4-15L55	L 0.4kW
ROOF-H/28/11/09T	-	-	-	-	SC2A4-15L55	L 0.4kW
ROOF-H/31/16/09T	-	-	-	-	SC2A4-15L55	L 0.4kW
ROOF-H/35/22/09T	-	-	-	-	SC2A4-15L55	L 0.4kW
ROOF-H/40/32/09T	-	-	-	-	SC2A4-15L55	L 0.4kW
ROOF-H/45/47/09T	-	-	-	-	SC2A4-15L55	L 0.4kW
ROOF-H/50/64/09T	-	-	-	-	SC2A4-25L55	L 0.75kW
ROOF-H/56/90/09T	-	-	-	-	SC2A4-40L55	L 1.5kW
ROOF-H/63/129/09T	-	-	-	-	SC2A4-40L55	L 2.2kW
ROOF-H/71/184/09T	-	-	-	-	SC2A4-60L55	L 4.0kW
ROOF-H/80/264/09T	-	-	-	-	SC2A4-80L55	L 5.5kW



ACCESSORY ASSEMBLY

Type	Flat roof up RSS	Flat roof up RS	Flat roof up RS-I	Flat roof up RSA	Flat roof up RSA-I
1	2				
ROOF-H/25	43526520	43526020	43526721	43526120	43526821
ROOF-H/28	43526520	43526020	43526721	43526120	43526821
ROOF-H/31	43526520	43526020	43526721	43526120	43526821
ROOF-H/35	43526530	43526030	43526731	43526130	43526831
ROOF-H/40	43526530	43526030	43526731	43526130	43526831
ROOF-H/45	43526540	43526040	43526741	43526140	43526841
ROOF-H/50	43526550	43526050	43526751	43526150	43526851
ROOF-H/56	43526550	43526050	43526751	43526150	43526851
ROOF-H/63	43526560	43526060	43526761	43526160	43526861
ROOF-H/71	43526560	43526060	43526761	43526160	43526861
ROOF-H/80	43526570	43526070	43526771	43526170	43526871

Type	Mounting plate P	Backflow preventer KZD SE	Connector anti-vibration	Stub-pipe K
1	3	4	5	6
ROOF-H/25	43526310	43527312	43527410	43526410
ROOF-H/28	43526310	43527312	43527410	43526410
ROOF-H/31	43526310	43527312	43527410	43526410
ROOF-H/35	43526320	43527322	43527420	43526420
ROOF-H/40	43526320	43527322	43527420	43526420
ROOF-H/45	43526330	43527332	43527430	43526430
ROOF-H/50	43526340	43527342	43527440	43526440
ROOF-H/56	43526340	43527342	43527440	43526440
ROOF-H/63	43526350	43527352	43527450	43526450
ROOF-H/71	43526350	43527352	43527450	43526450
ROOF-H/80	43526360	43527362	43527460	43526460

