

## KASTORM

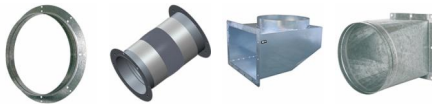


**MEDIUM PRESSURE OF SIMPLE ASPIRATION AND DIRECT COUPLING. ROBUST, COMPACT AND CUBIC**

MANUFACTURING FEATURES

- Reinforced cubic housing made of carbon laminated steel, protected against corrosion by powder coating of RAL 5010 polyester resin. C3 finish.
- Self-cleaning turbine and reinforced impeller of high-performance backward blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Painted black RAL 9005.
- Standardized asynchronous squirrel cage motor with IP-55 protection and class F electrical isolation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Motor with flange (B5) and waterproof shaft.
- Maximum continuous working temperature: transported air: 130°C, ambient: 60°C.
- Welded Cubic Housing available with the following orientations: LG0, LG90, LG180. RD0, RD90, RD180.

## Accessories



AC BAD CPS EIS



INT JE 45 RA RIS



SFC

APPLICATIONS

Suitable for moving clean or dusty air. Designed to be fixed on the double suction flange, with the motor in an upright position.

- Paint booths
- Dust Collection
- Food industry dryers
- Food processing
- Incineration
- Odor control in industry
- Indoor / outdoor pollution control
- Big buildings
- Malls
- Factories / Industrial buildings
- Warehouses
- Fume extraction
- Boilers and ovens
- Manufacture and treatment of chemical products
- Tunnels, underground stations

UNDER REQUEST

- Fans for special voltages.
- 2 speed motor.
- 6-pole motor.
- C4-C5 paint finish
- Hot dip galvanized
- Inox 304 (normal or electropolished finish)
- Inox 316 (normal or electropolished finish)
- Refrigeration roll
- Anti-caloric paint
- Fully welded housing (waterproof)
- Inspection door for easy maintenance and cleaning
- Sewer system
- Spark air passage and standard motor
- Other motor brands

## Technical data

### Three-phase motor / 2 poles

Code	Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m <sup>3</sup> /h	Sound db (A)**	Weight kg	Connect. diagram
			230V	400V					
PSCU311280	KASTORM 311 T2 1,1kW	2800	4,05	2,33	1,10	4.720	58	51,16	1
PXCU314290	KASTORM 314 T2 1,5kW	2865	5,83	3,14	1,50	5.510	60	54,21	1
PSCU351290	KASTORM 351 T2 2,2kW	2840	7,97	4,58	2,20	6.750	62	64,81	1
PXCU3542100	KASTORM 354 T2 3kW	2880	10,3	5,92	3,00	7.880	64	68,90	1
PSCU4012100	KASTORM 401 T2 3kW	2880	10,3	5,92	3,00	9.660	66	83,52	1
PXCU4042132	KASTORM 404 T2 5,5kW	2910	-	10,6	5,50	11.270	67	98,59	1

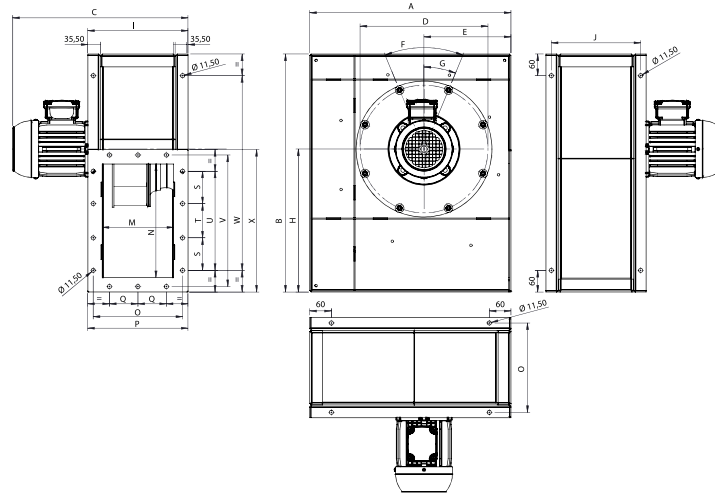
### Three-phase motor / 4 poles

Code	Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m <sup>3</sup> /h	Sound db (A)**	Weight kg	Connect. diagram
			230V	400V					
PSCU311471	KASTORM 311 T4 0,37kW	1370	1,86	1,07	0,37	2.360	43	49,99	1
PXCU314471	KASTORM 314 T4 0,37kW	1370	1,86	1,07	0,37	2.760	45	51,12	1
PSCU351471	KASTORM 351 T4 0,37kW	1370	1,86	1,07	0,37	3.380	47	61,67	1
PXCU354471	KASTORM 354 T4 0,37kW	1370	1,86	1,07	0,37	3.940	49	63,67	1
PSCU401480	KASTORM 401 T4 0,55kW	1440	2,57	1,49	0,55	4.830	51	78,75	1
PXCU404480	KASTORM 404 T4 0,55kW	1440	2,57	1,49	0,55	5.640	52	81,34	1
PSCU451480	KASTORM 451 T4 0,75kW	1410	2,83	1,63	0,75	6.880	54	100,41	1
PXCU454490	KASTORM 454 T4 1,1kW	1450	4,33	2,49	1,10	8.020	56	105,82	1
PSCU501490	KASTORM 501 T4 1,5kW	1450	5,67	3,26	1,50	9.430	57	123,93	1
PXCU5044100	KASTORM 504 T4 2,2kW	1435	8,07	4,64	2,20	11.010	59	130,85	1
PSCU5614100	KASTORM 561 T4 2,2kW	1435	8,07	4,64	2,20	13.250	61	154,39	1
PXCU5644100	KASTORM 564 T4 3kW	1420	10,7	6,17	3,00	15.460	63	159,55	1
PSCU6314112	KASTORM 631 T4 4kW	1440	14,5	8,32	4,00	18.860	65	192,62	1
PXCU6344132	KASTORM 634 T4 5,5kW	1460	-	10,5	5,50	22.010	66	210,08	1
PSCU7114132	KASTORM 711 T4 7,5kW	1455	-	14,1	7,50	26.990	68	252,30	1
PXCU7144160	KASTORM 714 T4 11kW	1455	-	21,2	11,00	31.500	70	282,36	1
PSCU8014160	KASTORM 801 T4 15kW	1465	-	29,8	15,00	38.610	72	337,25	1

**Notes:**

\*\* Total sound pressure level at the point of maximum flow measured in dB(A) in the suction measured in free field at a distance of 6m from the source

## Dimensions



Model	A	B	C (±)	D	E	F	G	H	I
KASTORM 311 T2 1,1kW	558.4	660.2	486.5	354.5	241.3	8x45°	22,5°	396.5	278
KASTORM 311 T4 0,37kW	558.4	660.2	470.5	354.5	241.3	8x45°	22,5°	396.5	278
KASTORM 314 T2 1,5kW	558.4	660.2	553	354.5	241.3	8x45°	22,5°	396.5	301
KASTORM 314 T4 0,37kW	558.4	660.2	493.5	354.5	241.3	8x45°	22,5°	396.5	301
KASTORM 351 T2 2,2kW	621.8	737.2	556	394.5	266.2	8x45°	22,5°	441.8	304
KASTORM 351 T4 0,37kW	621.8	737.2	496.5	394.5	266.2	8x45°	22,5°	441.8	304
KASTORM 354 T2 3kW	621.8	737.2	618.6	394.5	266.2	8x45°	22,5°	441.8	330
KASTORM 354 T4 0,37kW	621.8	737.2	522.5	394.5	266.2	8x45°	22,5°	441.8	330
KASTORM 401 T2 3kW	693.4	824.2	620.6	438	294.3	8x45°	22,5°	493	332
KASTORM 401 T4 0,55kW	693.4	824.2	540.5	438	294.3	8x45°	22,5°	493	332
KASTORM 404 T2 5,5kW	693.4	824.2	743.3	438	294.3	8x45°	22,5°	493	361
KASTORM 404 T4 0,55kW	693.4	824.2	569.5	438	294.3	8x45°	22,5°	493	361
KASTORM 451 T4 0,75kW	772.4	920	572.5	485	325.4	8x45°	22,5°	549.3	364
KASTORM 454 T4 1,1kW	772.4	920	648	485	325.4	8x45°	22,5°	549.3	396
KASTORM 501 T4 1,5kW	851.8	1016.4	648	535	356.6	8x45°	26	606	396
KASTORM 504 T4 2,2kW	851.8	1016.4	720.6	535	356.6	8x45°	26	606	432
KASTORM 561 T4 2,2kW	947	1132	722.6	608	394	12x30°	15	674	434
KASTORM 564 T4 3kW	947	1132	762.6	608	394	12x30°	15	674	474
KASTORM 631 T4 4kW	1058	1266.8	784.6	675	437.6	12x30°	0°	753.3	478
KASTORM 634 T4 5,5kW	1058	1266.8	905.3	675	437.6	12x30°	0°	753.3	523
KASTORM 711 T4 7,5kW	1184.8	1420.6	911.3	755	487.5	16x22,5°	17,5°	843.7	529
KASTORM 714 T4 11kW	1184.8	1420.6	1085.15	755	487.5	16x22,5°	17,5°	843.7	580
KASTORM 801 T4 15kW	1327.63	1594	1090.15	845	543.6	16x22,5°		945.743	585

Model	J	M	N	O	P	Q	S	T	U
KASTORM 311 T2 1,1kW	248	198	315	248	278	79	90	95	275
KASTORM 311 T4 0,37kW	248	198	315	248	278	79	90	95	275
KASTORM 314 T2 1,5kW	271	221	315	271.13	301.13	90.56	90	95	275
KASTORM 314 T4 0,37kW	271	221	315	271.13	301.13	90.56	90	95	275
KASTORM 351 T2 2,2kW	274	224	355	274	304	92	105	105	315
KASTORM 351 T4 0,37kW	274	224	355	274	304	92	105	105	315
KASTORM 354 T2 3kW	300	250	355	299.84	329.84	104.92	105	105	315
KASTORM 354 T4 0,37kW	300	250	355	299.84	329.84	104.92	105	105	315
KASTORM 401 T2 3kW	302	252	400	302	332	106	120	120	360
KASTORM 401 T4 0,55kW	302	252	400	302	332	106	120	120	360
KASTORM 404 T2 5,5kW	331	281	400	331.14	361.14	120.57	120	120	360
KASTORM 404 T4 0,55kW	331	281	400	331.14	361.14	120.57	120	120	360
KASTORM 451 T4 0,75kW	334	284	450	334	364	112	130	130	390
KASTORM 454 T4 1,1kW	366	316	450	366	396	128	130	130	390
KASTORM 501 T4 1,5kW	366	316	500	366	396	128	147	146	440
KASTORM 504 T4 2,2kW	402	352	500	402	432	146	147	146	440
KASTORM 561 T4 2,2kW	404	354	560	404	434	147	165	170	500
KASTORM 564 T4 3kW	444	394	560	444	474	167	165	170	500
KASTORM 631 T4 4kW	448	398	630	448	478	169	190	190	570
KASTORM 634 T4 5,5kW	493	443	630	193.25	523.25	191.63	190	190	570
KASTORM 711 T4 7,5kW	499	449	710	499	529	184.5	210	210	630
KASTORM 714 T4 11kW	550	500	710	550	580	210	210	210	630
KASTORM 801 T4 15kW	555	505	800	555	585	202.5	233	234	700

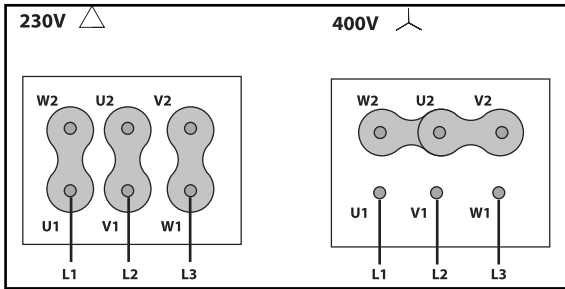
Model	V	W	X
KASTORM 311 T2 1,1kW	365	540.2	395
KASTORM 311 T4 0,37kW	365	540.2	395
KASTORM 314 T2 1,5kW	365	540.2	395
KASTORM 314 T4 0,37kW	365	540.2	395
KASTORM 351 T2 2,2kW	405	617.2	435
KASTORM 351 T4 0,37kW	405	617.2	435
KASTORM 354 T2 3kW	405	617.2	435
KASTORM 354 T4 0,37kW	405	617.2	435
KASTORM 401 T2 3kW	450	704.2	480
KASTORM 401 T4 0,55kW	450	704.2	480
KASTORM 404 T2 5,5kW	450	704.2	480
KASTORM 404 T4 0,55kW	450	704.2	480
KASTORM 451 T4 0,75kW	500	790	530
KASTORM 454 T4 1,1kW	500	790	530
KASTORM 501 T4 1,5kW	550	886.4	580

Model	V	W	X
KASTORM 504 T4 2,2kW	550	886.4	580
KASTORM 561 T4 2,2kW	610	1002	640
KASTORM 564 T4 3kW	610	1002	640
KASTORM 631 T4 4kW	680	1136.8	710
KASTORM 634 T4 5,5kW	680	1136.8	710
KASTORM 711 T4 7,5kW	760	1280.6	790
KASTORM 714 T4 11kW	760	1280.6	790
KASTORM 801 T4 15kW	850	1444	880

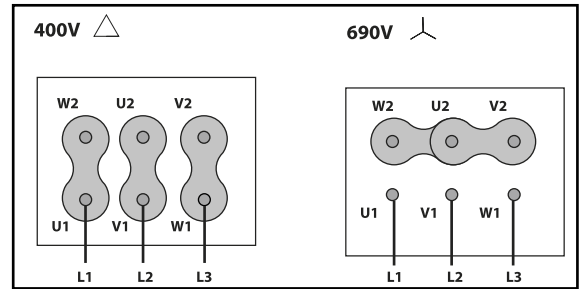
# Wiring diagram

DIAGRAM N° 1

230/400V



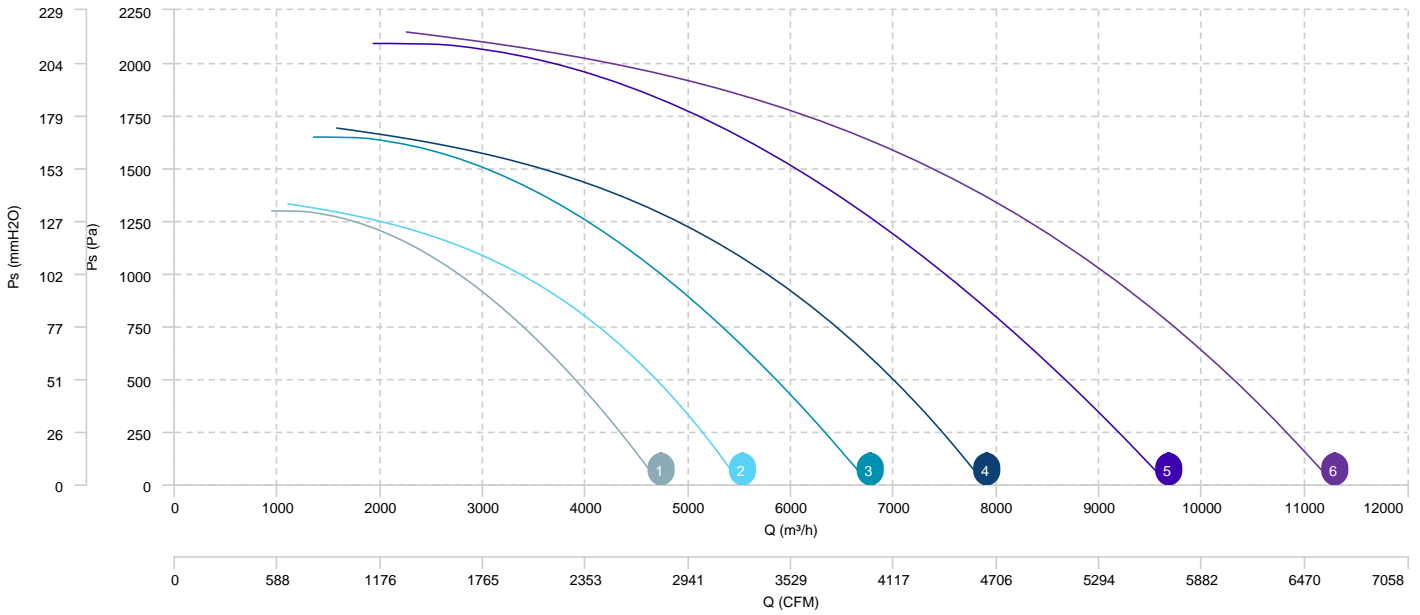
400/690V



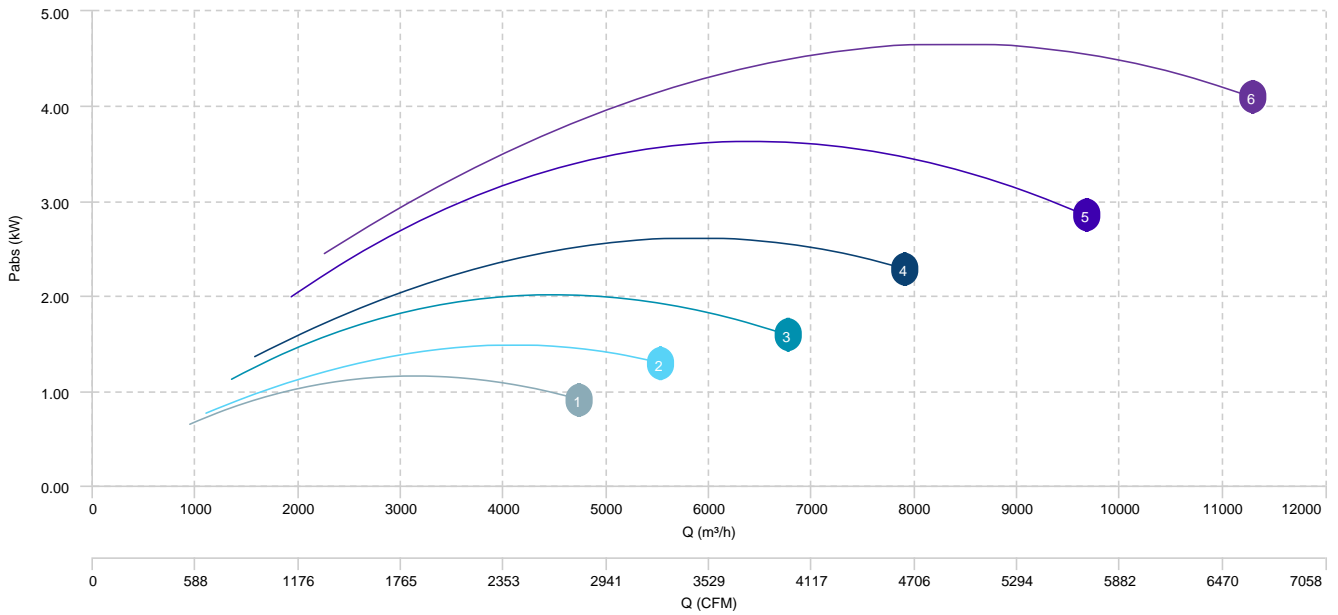
# CHARACTERISTIC CURVE

- 1 KASTORM 311 T2 1,1kW
- 2 KASTORM 314 T2 1,5kW
- 3 KASTORM 351 T2 2,2kW
- 4 KASTORM 354 T2 3kW
- 5 KASTORM 401 T2 3kW
- 6 KASTORM 404 T2 5,5kW

## AIR FLOW - PRESSURE

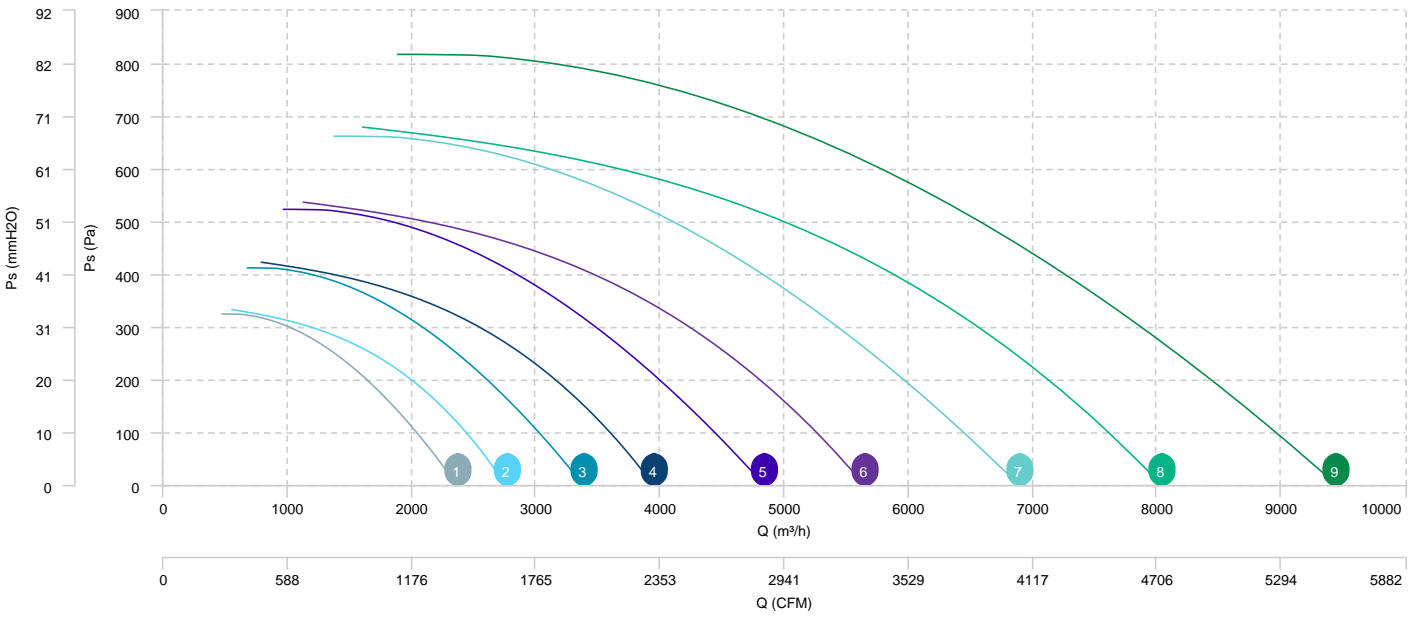


## AIR FLOW - ABSORBED POWER

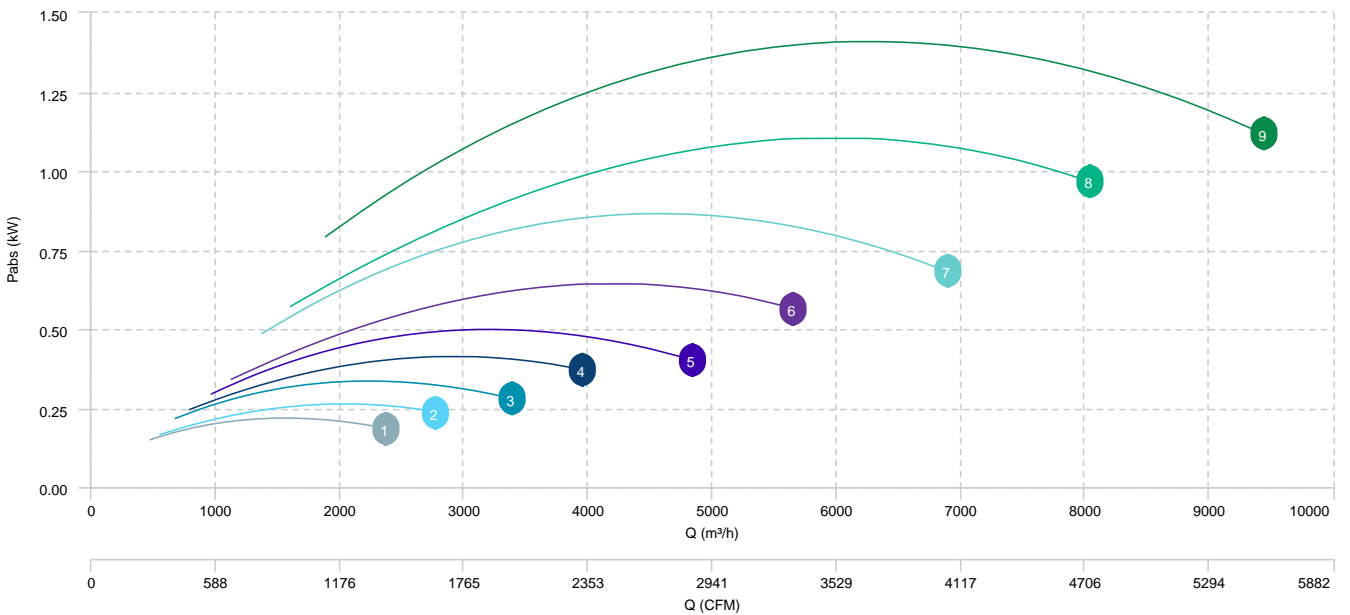


1	KASTORM 311 T4 0,37kW	2	KASTORM 314 T4 0,37kW	3	KASTORM 351 T4 0,37kW	4	KASTORM 354 T4 0,37kW
5	KASTORM 401 T4 0,55kW	6	KASTORM 404 T4 0,55kW	7	KASTORM 451 T4 0,75kW	8	KASTORM 454 T4 1,1kW
9	KASTORM 501 T4 1,5kW						

## AIR FLOW - PRESSURE



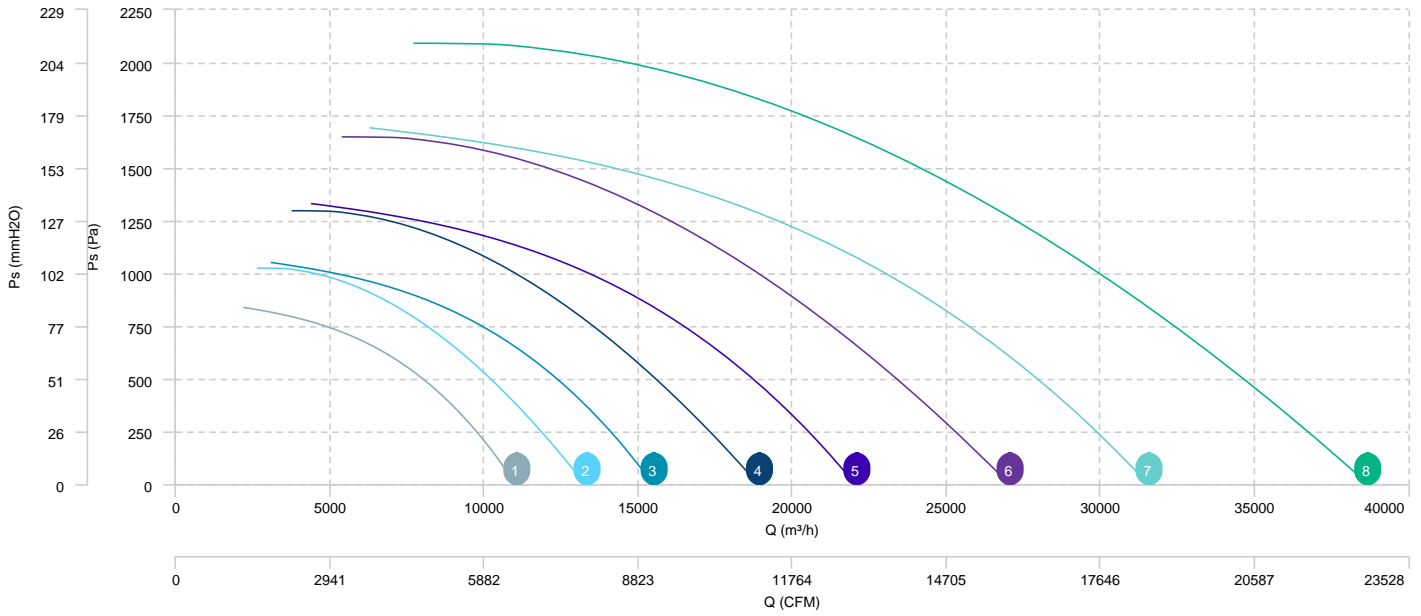
## AIR FLOW - ABSORBED POWER



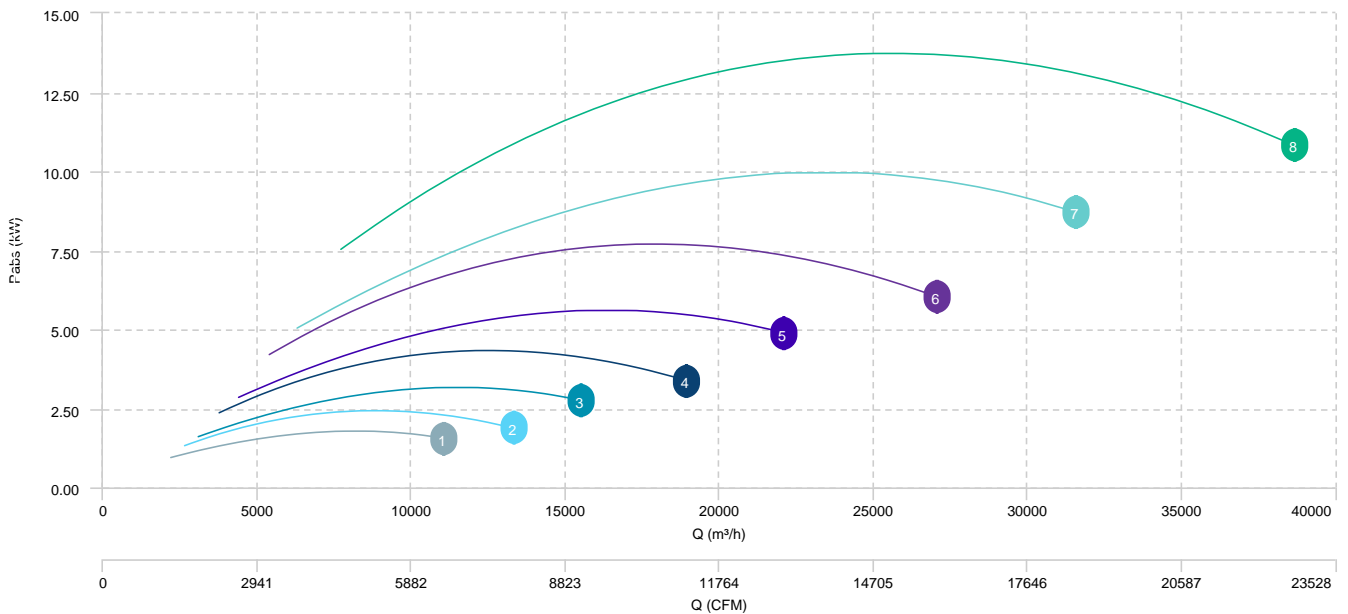


1	KASTORM 504 T4 2,2kW	2	KASTORM 561 T4 2,2kW	3	KASTORM 564 T4 3kW	4	KASTORM 631 T4 4kW
5	KASTORM 634 T4 5,5kW	6	KASTORM 711 T4 7,5kW	7	KASTORM 714 T4 11kW	8	KASTORM 801 T4 15kW

## AIR FLOW - PRESSURE



## AIR FLOW - ABSORBED POWER



## Sound data

### Sound / 2 poles

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
KASTORM 311 T2 1,1kW	Inlet	80	78	75	73	71	68	65	62	84
KASTORM 314 T2 1,5kW	Inlet	82	80	77	75	73	70	67	64	86
KASTORM 351 T2 2,2kW	Inlet	84	82	79	77	75	72	69	66	88
KASTORM 354 T2 3kW	Inlet	86	84	81	79	77	74	71	68	90
KASTORM 401 T2 3kW	Inlet	88	86	83	81	79	76	73	70	92
KASTORM 404 T2 5,5kW	Inlet	89	87	84	82	80	77	74	71	93

### Sound / 4 poles

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
KASTORM 311 T4 0,37kW	Inlet	65	63	60	58	56	53	50	47	69
KASTORM 314 T4 0,37kW	Inlet	67	65	62	60	58	55	52	49	71
KASTORM 351 T4 0,37kW	Inlet	69	67	64	62	60	57	54	51	73
KASTORM 354 T4 0,37kW	Inlet	71	69	66	64	62	59	56	53	75
KASTORM 401 T4 0,55kW	Inlet	73	71	68	66	64	61	58	55	77
KASTORM 404 T4 0,55kW	Inlet	74	72	69	67	65	62	59	56	78
KASTORM 451 T4 0,75kW	Inlet	76	74	71	69	67	64	61	58	80
KASTORM 454 T4 1,1kW	Inlet	78	76	73	71	69	66	63	60	82
KASTORM 501 T4 1,5kW	Inlet	79	77	74	72	70	67	64	61	83
KASTORM 504 T4 2,2kW	Inlet	81	79	76	74	72	69	66	63	85
KASTORM 561 T4 2,2kW	Inlet	83	81	78	76	74	71	68	65	87
KASTORM 564 T4 3kW	Inlet	85	83	80	78	76	73	70	67	89
KASTORM 631 T4 4kW	Inlet	87	85	82	80	78	75	72	69	91
KASTORM 634 T4 5,5kW	Inlet	88	86	83	81	79	76	73	70	92
KASTORM 711 T4 7,5kW	Inlet	90	88	85	83	81	78	75	72	94
KASTORM 714 T4 11kW	Inlet	92	90	87	85	83	80	77	74	96
KASTORM 801 T4 15kW	Inlet	94	92	89	87	85	82	79	76	98

## erp data

ERP	
Fan type	Centrifugal fan backward blades with casing
Installation category	A
Efficiency category	Static
The fan has to be installed with FSC	No

### ERP / 2 poles

Model	Motor power (kW)	Maximum efficiency point data						
		Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m³/h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
KASTORM 311 T2 1,1kW	1,10	68,38	78,31	2.660,64	1.031,42	1,13	2800	1,01
KASTORM 314 T2 1,5kW	1,50	66,74	75,70	3.134,41	1.054,33	1,40	2865	1,01
KASTORM 351 T2 2,2kW	2,20	71,36	78,76	3.808,63	1.309,93	1,97	2840	1,01
KASTORM 354 T2 3kW	3	68,77	75,14	4.503,45	1.335,56	2,48	2880	1,01
KASTORM 401 T2 3kW	3	71,87	76,59	5.437,60	1.665,80	3,55	2880	1,02
KASTORM 404 T2 5,5kW	5,50	69,92	73,63	6.457,17	1.692,84	4,43	2910	1,02

### ERP / 4 poles

Model	Motor power (kW)	Maximum efficiency point data						
		Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m³/h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
KASTORM 311 T4 0,37kW	0,37	44,86	62,35	1.359,99	252,98	0,22	1370	1,00
KASTORM 314 T4 0,37kW	0,37	46,28	63,01	1.626,62	256,37	0,26	1370	1,00
KASTORM 351 T4 0,37kW	0,37	53,17	68,71	1.936,93	322,75	0,33	1370	1,00
KASTORM 354 T4 0,37kW	0,37	53,74	68,43	2.307,44	327,92	0,40	1370	1,00
KASTORM 401 T4 0,55kW	0,55	65,22	78,97	2.741,55	413,55	0,49	1440	1,00
KASTORM 404 T4 0,55kW	0,55	63,31	76,06	3.226,20	423,43	0,61	1440	1,00
KASTORM 451 T4 0,75kW	0,75	67,90	79,15	3.877,89	526,30	0,85	1410	1,01
KASTORM 454 T4 1,1kW	1,10	66,54	76,83	4.575,48	537,40	1,05	1450	1,01
KASTORM 501 T4 1,5kW	1,50	70,53	79,55	5.325,57	649,13	1,38	1450	1,01
KASTORM 504 T4 2,2kW	2,20	69,84	77,95	6.285,91	662,75	1,69	1435	1,01
KASTORM 561 T4 2,2kW	2,20	72,35	78,91	7.428,79	819,09	2,37	1435	1,01
KASTORM 564 T4 3kW	3	69,38	74,88	8.788,12	834,20	2,99	1420	1,01
KASTORM 631 T4 4kW	4	72,94	76,85	10.619,52	1.033,28	4,24	1440	1,01
KASTORM 634 T4 5,5kW	5,50	70,50	73,39	12.539,25	1.054,24	5,31	1460	1,01
KASTORM 711 T4 7,5kW	7,50	74,57	75,86	15.211,03	1.311,61	7,54	1455	1,01

Model	Maximum efficiency point data							
	Motor power (kW)	Max. efficiency (%)	Efficiency grade (N) (N)	Air Flow (m <sup>3</sup> /h)	Ps (Pa)	Pabs (kW)	speed (rpm)	Specific ratio
KASTORM 714 T4 11kW	11	72,10	72,37	17.930,39	1.339,91	9,43	1455	1,01
KASTORM 801 T4 15kW	15	75,91	75,65	21.786,53	1.663,50	13,46	1465	1,02