

KASTORM ATEX



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

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.
- Welded Cubic Housing .
- Working temperature: ambient from -20°C to 40°C, transported air according to the ATEX clasification.

Accessories



- Available positions (to be indicated in case of order, to maintain the connection box on the top): LG270, LG0, LG90, LG180. RD 270, RD0, RD90, RD180.
- The indicated codes correspond to the model in position LG270

APPLICATIONS

Suitable for moving clean or dusty air. Designed to be installed in conduit for suction or impulsion.

- 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
- Smoke 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.
- Inox 304 (normal or electropolished finish)
- Inox 316 (normal or electropolished finish)
- Inspection door for easy maintenance and cleaning
- Sewer system

Technical data

Three-phase motor / 2 poles

Code	Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
			230V	400V					
PSCU311280XN	KASTORM 311 T2 1,1kW ATEX	2800	4,05	2,33	1,10	4.720	58	51,16	1
PSCU351290XN	KASTORM 351 T2 2,2kW ATEX	2840	7,97	4,58	2,20	6.750	62	64,81	1
PSCU4012100XN	KASTORM 401 T2 4kW ATEX	2880	13,3	7,63	4,00	9.660	66	83,52	1

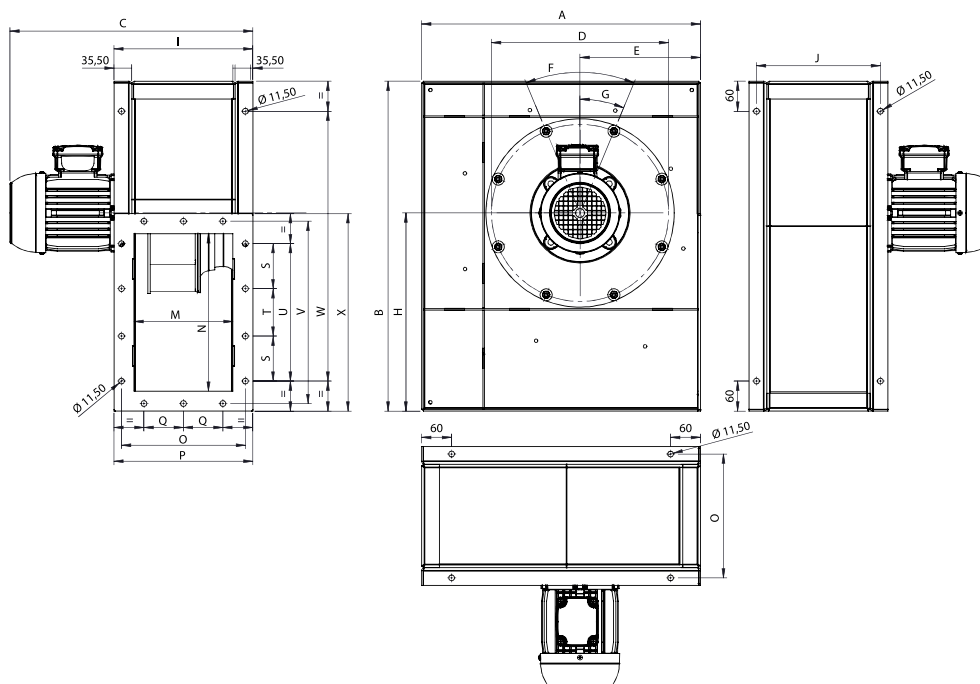
Three-phase motor / 4 poles

Code	Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
			230V	400V					
PSCU311471XN	KASTORM 311 T4 0,37kW ATEX	1370	1,86	1,07	0,37	2.360	43	49,99	1
PSCU351471XN	KASTORM 351 T4 0,37kW ATEX	1370	1,86	1,07	0,37	3.380	47	61,67	1
PSCU401480XN	KASTORM 401 T4 0,55kW ATEX	1440	2,57	1,49	0,55	4.830	51	78,75	1
PSCU451480 XN	KASTORM 451 T4 0,75kW ATEX	1410	2,83	1,63	0,75	6.880	54	100,41	1
PSCU501490 XN	KASTORM 501 T4 1,5kW ATEX	1450	5,67	3,26	1,50	9.430	57	123,93	1
PSCU5614100 XN	KASTORM 561 T4 2,2kW ATEX	1435	8,07	4,64	2,20	13.250	61	154,39	1
PSCU6314112 XN	KASTORM 631 T4 4kW ATEX	1440	14,5	8,32	4,00	18.860	65	192,62	1
PSCU7114132 XN	KASTORM 711 T4 7,5kW ATEX	1455	-	14,1	7,50	26.990	68	252,30	1
PSCU8014160 XN	KASTORM 801 T4 15kW ATEX	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 ATEX	558.4	660.2	486.5	354.5	241.3	8x45°	22,5°	396.5	278
KASTORM 311 T4 0,37kW ATEX	558.4	660.2	470.5	354.5	241.3	8x45°	22,5°	396.5	278
KASTORM 351 T2 2,2kW ATEX	621.8	737.2	556	394.5	266.2	8x45°	22,5°	441.8	304
KASTORM 351 T4 0,37kW ATEX	621.8	737.2	496.5	394.5	266.2	8x45°	22,5°	441.8	304
KASTORM 401 T2 4kW ATEX	693.4	824.2	641	438	294.3	8x45°	22,5°	493	332
KASTORM 401 T4 0,55kW ATEX	693.4	824.2	540.5	438	294.3	8x45°	22,5°	493	332
KASTORM 451 T4 0,75kW ATEX	772.4	920	572.5	485	325.4	8x45°	22,5°	549.3	364
KASTORM 501 T4 1,5kW ATEX	851.8	1016.4	648	535	356.6	8x45°	22,5°	606	396
KASTORM 561 T4 2,2kW ATEX	947	1132	722.6	608	394	16x22,5°	11,5°	674	434
KASTORM 631 T4 4kW ATEX	1058	1266.8	784.6	675	437.6	16x22,5°	11,25°	753.3	478
KASTORM 711 T4 7,5kW ATEX	1184.8	1420.6	911.3	755	487.5	16x22,5°	11,25°	843.7	529
KASTORM 801 T4 15kW ATEX	1327.63	1594	1090.15	845	543.6	16x22,5°	11,5°	945.74	585

Model	J	M	N	O	P	Q	S	T	U
KASTORM 311 T2 1,1kW ATEX	248	198	315	248	278	79	90	95	275
KASTORM 311 T4 0,37kW ATEX	248	198	315	248	278	79	90	95	275
KASTORM 351 T2 2,2kW ATEX	274	224	355	274	304	92	105	105	315
KASTORM 351 T4 0,37kW ATEX	274	224	355	274	304	92	105	105	315
KASTORM 401 T2 4kW ATEX	302	252	400	302	332	106	120	120	360
KASTORM 401 T4 0,55kW ATEX	302	252	400	302	332	106	120	120	360

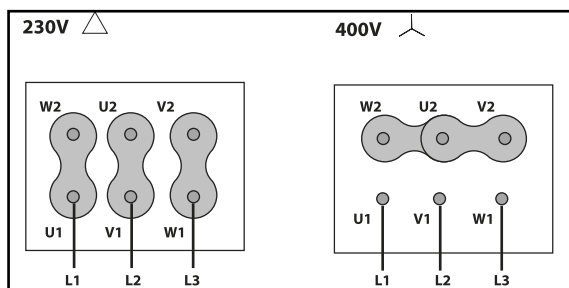
Model	J	M	N	O	P	Q	S	T	U
KASTORM 451 T4 0,75kW ATEX	334	284	450	334	364	112	130	130	390
KASTORM 501 T4 1,5kW ATEX	366	316	500	366	396	128	147	146	440
KASTORM 561 T4 2,2kW ATEX	404	354	560	404	434	147	165	170	500
KASTORM 631 T4 4kW ATEX	448	398	630	448	478	169	190	190	570
KASTORM 711 T4 7,5kW ATEX	499	449	710	499	529	184.5	210	210	630
KASTORM 801 T4 15kW ATEX	555	505	800	555	585	202.5	233	234	700

Model	V	W	X
KASTORM 311 T2 1,1kW ATEX	365	540.2	395
KASTORM 311 T4 0,37kW ATEX	365	540.2	395
KASTORM 351 T2 2,2kW ATEX	405	617.2	435
KASTORM 351 T4 0,37kW ATEX	405	617.2	435
KASTORM 401 T2 4kW ATEX	450	704.2	480
KASTORM 401 T4 0,55kW ATEX	450	704.2	480
KASTORM 451 T4 0,75kW ATEX	500	790	530
KASTORM 501 T4 1,5kW ATEX	550	886.4	580
KASTORM 561 T4 2,2kW ATEX	610	1002	640
KASTORM 631 T4 4kW ATEX	680	1136.8	710
KASTORM 711 T4 7,5kW ATEX	760	1280.6	790
KASTORM 801 T4 15kW ATEX	850	1444	880

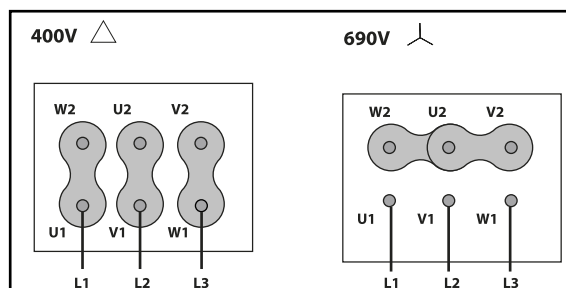
Wiring diagram

Wiring diagram N° 1

230/400V



400/690V



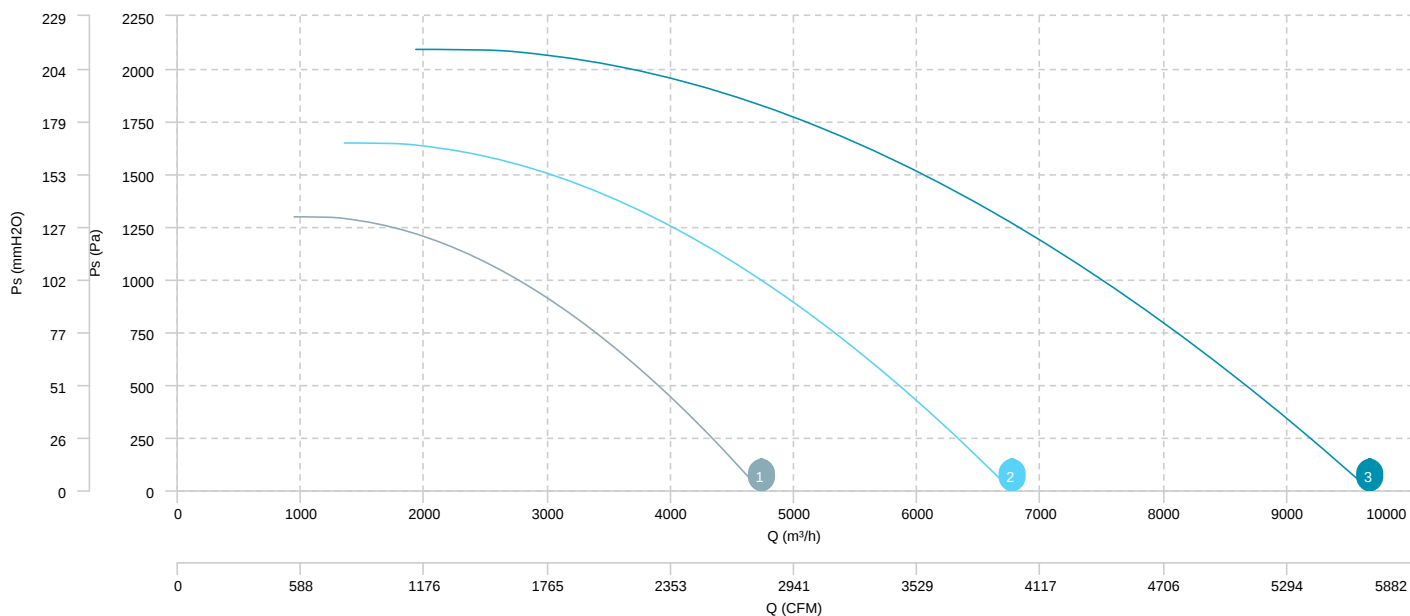
CHARACTERISCTIC CURVE

1 KASTORM 311 T2 1,1kW
ATEX

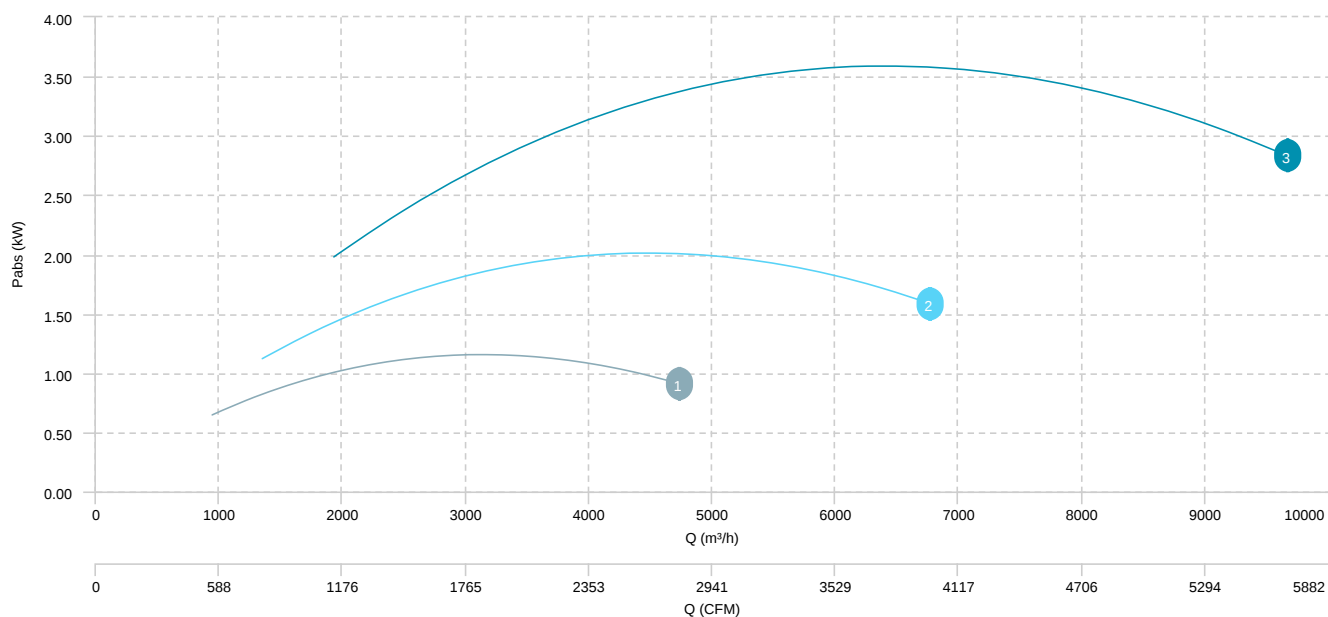
2 KASTORM 351 T2 2,2kW
ATEX

3 KASTORM 401 T2 4kW
ATEX

AIR FLOW - PRESSURE

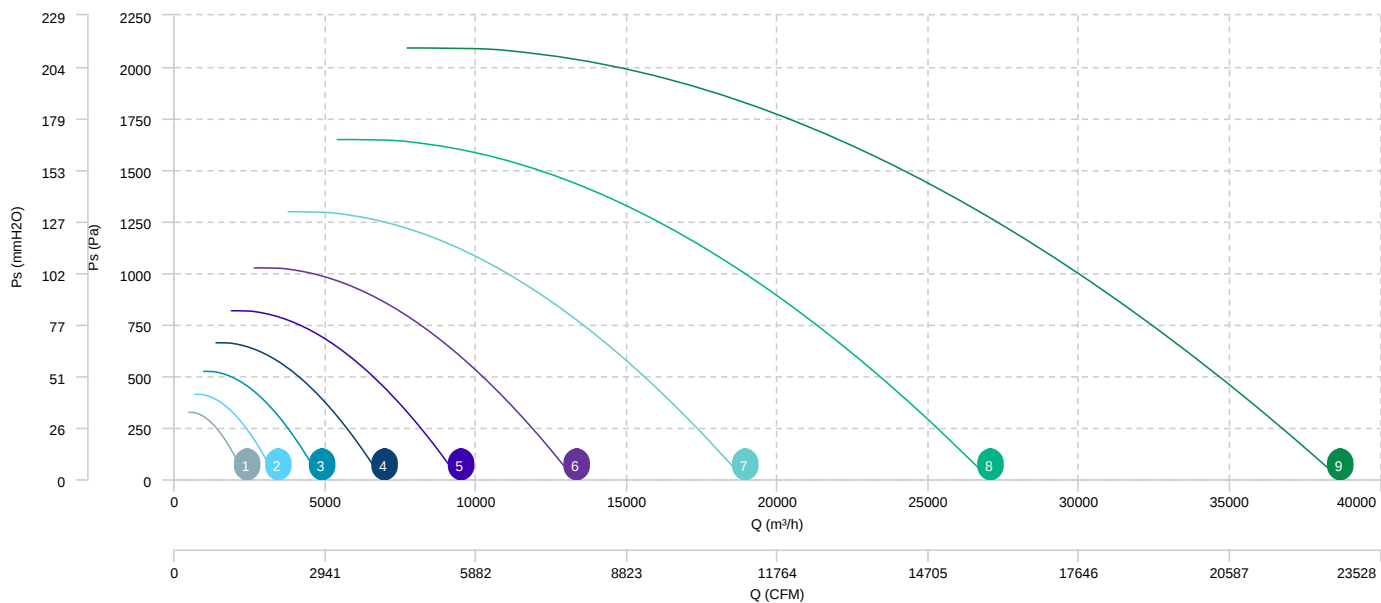


AIR FLOW - ABSORBED POWER

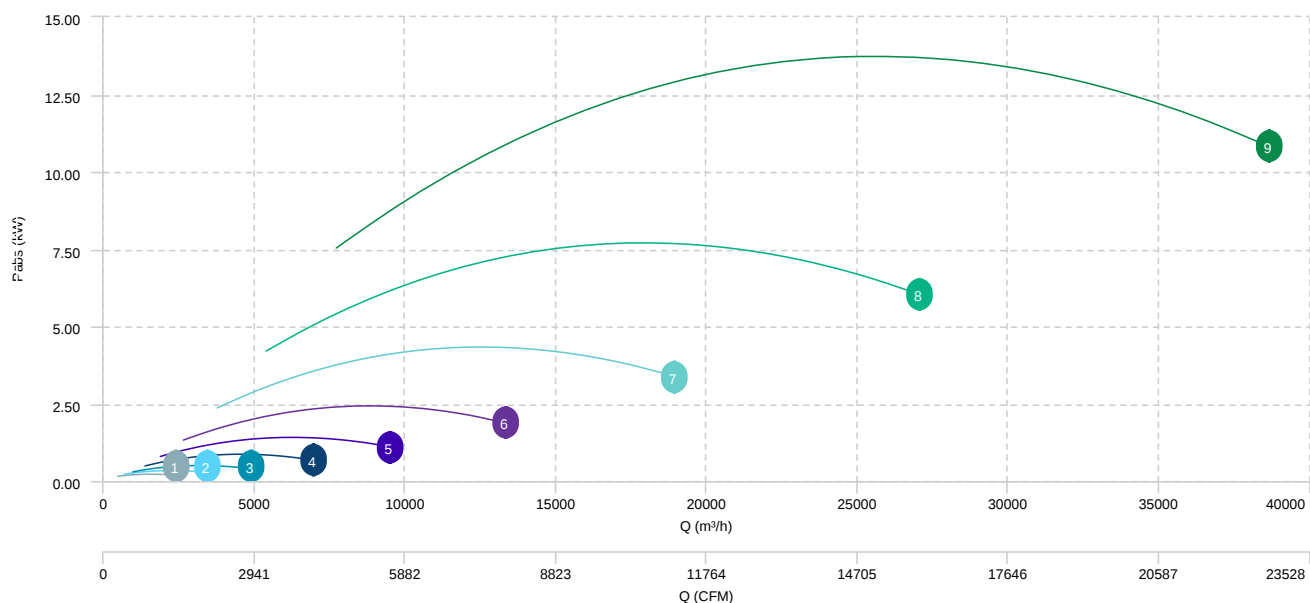


1	KASTORM 311 T4 0,37kW ATEX	2	KASTORM 351 T4 0,37kW ATEX	3	KASTORM 401 T4 0,55kW ATEX	4	KASTORM 451 T4 0,75kW ATEX
5	KASTORM 501 T4 1,5kW ATEX	6	KASTORM 561 T4 2,2kW ATEX	7	KASTORM 631 T4 4kW ATEX	8	KASTORM 711 T4 7,5kW ATEX
9	KASTORM 801 T4 15kW ATEX						

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 ATEX	Inlet	80	78	75	73	71	68	65	62	84
KASTORM 351 T2 2,2kW ATEX	Inlet	84	82	79	77	75	72	69	66	88
KASTORM 401 T2 4kW ATEX	Inlet	88	86	83	81	79	76	73	70	92

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 ATEX	Inlet	65	63	60	58	56	53	50	47	69
KASTORM 351 T4 0,37kW ATEX	Inlet	69	67	64	62	60	57	54	51	73
KASTORM 401 T4 0,55kW ATEX	Inlet	73	71	68	66	64	61	58	55	77
KASTORM 451 T4 0,75kW ATEX	Inlet	76	74	71	69	67	64	61	58	80
KASTORM 501 T4 1,5kW ATEX	Inlet	79	77	74	72	70	67	64	61	83
KASTORM 561 T4 2,2kW ATEX	Inlet	83	81	78	76	74	71	68	65	87
KASTORM 631 T4 4kW ATEX	Inlet	87	85	82	80	78	75	72	69	91
KASTORM 711 T4 7,5kW ATEX	Inlet	90	88	85	83	81	78	75	72	94
KASTORM 801 T4 15kW ATEX	Inlet	94	92	89	87	85	82	79	76	98