

PRESTUR ATEX



MEDIUM PRESSURE FAN, BACKWARD IMPELER, DIRECT DRIVEN WITH FLANGED MOTOR ATEX

MANUFACTURING FEATURES:

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Self-cleaning impeller and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Black painting RAL 9005
- ATEX standard asynchronous motor. ATEX certified according to the zone. Class F insulation. Manufactured with standard voltages: 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Motor with flange (B5), airtight axle
- Double suction flange
- Working temperature: ambient from -20°C to 40°C, transported air according to the ATEX classification.

- Available positions (to be indicated in case of order): LG and RD
- The indicated codes correspond to the model in position LG

APPLICATIONS

- Ventilation in indoor environments classified as ATEX. Suitable for moving clean or dusty air. Designed to be fixed in the double suction flange, with the motor in vertical position.

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

ON DEMAND

- Fans for 60Hz and special voltages.
- Inox 304 (normal or electropolished finish)
- Inox 316 (normal or electropolished finish)
- Inspection door to facilitate maintenance and cleaning.

Accessories



AB AC BA-400 BADS ATEX



BIDS ATEX EIS INT ATEX JE 45



RA RIS SFC

Technical data

Three-phase motor / 2 poles

Code	Model	R.P.M.	Rated I. A 400V	Rated power kW	Max. Airflow m ³ /h	Sound db (A)**	Weight kg	Connect. diagram
PS311280XN	PRESTUR 311 T2 1,1kW ATEX	2830	2,6	1,10	4.720	58	56	1
PS351290XN	PRESTUR 351 T2 2,2kW ATEX	2840	5,4	2,20	6.750	62	85	1
PS4012100XN	PRESTUR 401 T2 4kW ATEX	2910	9,2	4,00	9.660	66	108,50	1

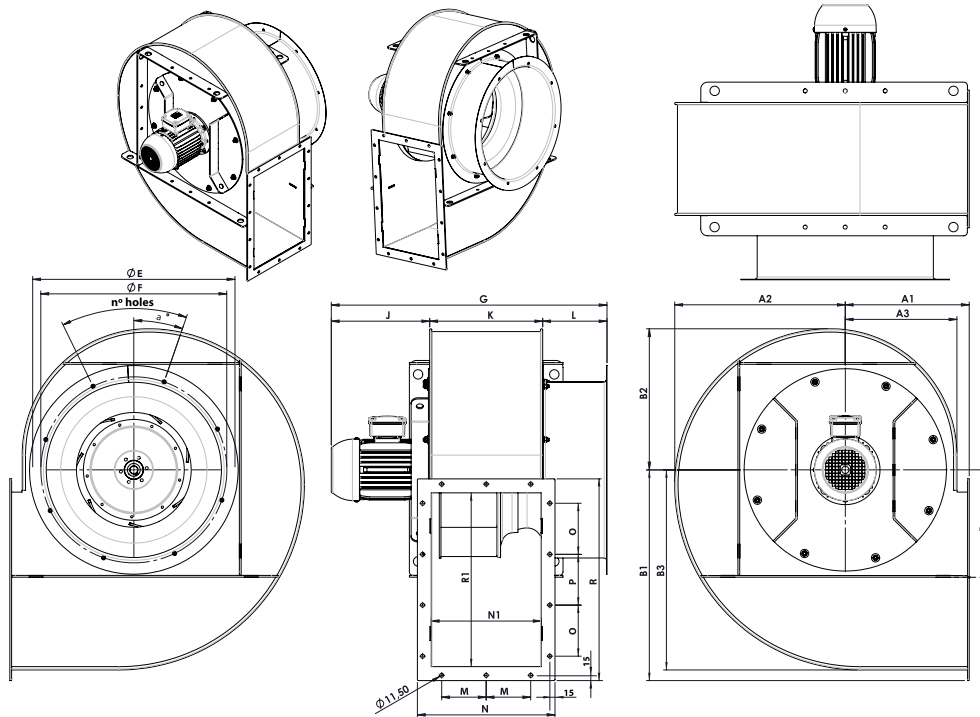
Three-phase motor / 4 poles

Code	Model	R.P.M.	Rated I. A 400V	Rated power kW	Max. Airflow m ³ /h	Sound db (A)**	Weight kg	Connect. diagram
PS311471XN	PRESTUR 311 T4 0,37kW ATEX	1410	1,2	0,37	2.360	43	46,20	1
PS351471XN	PRESTUR 351 T4 0,37kW ATEX	1410	1,2	0,37	3.380	47	66,20	1
PS401480XN	PRESTUR 401 T4 0,55kW ATEX	1430	1,75	0,55	4.830	51	79	1
PS451480XN	PRESTUR 451 T4 0,75kW ATEX	1410	2,1	0,75	6.880	54	95	1
PS501490XN	PRESTUR 501 T4 1,5kW ATEX	1415	3,8	1,50	9.430	57	122	1
PS5614100XN	PRESTUR 561 T4 2,2kW ATEX	1440	5,8	2,20	13.250	61	154	1
PS6314112XN	PRESTUR 631 T4 4kW ATEX	1450	9,1	4,00	18.860	65	200,80	1
PS7114132XN	PRESTUR 711 T4 7,5kW ATEX	1448	15,6	7,50	26.990	68	308	1
PS8014160XN	PRESTUR 801 T4 15kW ATEX	1465	29,8	15,00	38.610	72	430	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	A1	A2	A3	B1	B2	B3	D	E	F
PRESTUR 311 T2 1,1kW ATEX	241.3	312.6	205.8	396.5	259.2	366	199	377	355
PRESTUR 311 T4 0,37kW ATEX	241.3	312.6	205.8	396.5	259.2	366	199	377	355
PRESTUR 351 T2 2,2kW ATEX	266.2	351.1	230.7	441.8	290.9	411.3	224.3	418	395
PRESTUR 351 T4 0,37kW ATEX	266.2	351.1	230.7	441.8	290.9	411.3	224.3	418	395
PRESTUR 401 T2 4kW ATEX	294.3	394.6	258.8	493	326.7	462.5	253	464	438
PRESTUR 401 T4 0,55kW ATEX	294.3	394.6	258.8	493	326.7	462.5	253	464	438
PRESTUR 451 T4 0,75kW ATEX	325.4	442.5	289.9	549.3	366.2	518.8	284.3	523	485
PRESTUR 501 T4 1,5kW ATEX	356.6	490.7	321.1	606	405.9	575.5	316	582	535
PRESTUR 561 T4 2,2kW ATEX	394	548.5	358.5	674	453.5	643.5	354	650	608
PRESTUR 631 T4 4kW ATEX	437.6	615.9	402.1	753.3	509	722.8	398.3	710	675
PRESTUR 711 T4 7,5kW ATEX	487.5	692.8	452	843.7	572.4	813.2	448.7	826	755
PRESTUR 801 T4 15kW ATEX	543.6	779.53	508.1	945.74	643.77	915.28	505.74	930	845

Model	G	J	K	L	M	N	N1	O	P
PRESTUR 311 T2 1,1kW ATEX	626.5	234.5	207	185	79	278	198	90	95
PRESTUR 311 T4 0,37kW ATEX	610.5	218.5	207	185	79	278	198	90	95
PRESTUR 351 T2 2,2kW ATEX	696	278	233	185	92	304	224	105	105
PRESTUR 351 T4 0,37kW ATEX	636.5	218.5	233	185	92	304	224	105	105
PRESTUR 401 T2 4kW ATEX	781	335	261	185	106	332	252	120	120
PRESTUR 401 T4 0,55kW ATEX	680.5	234.5	261	185	106	332	252	120	120

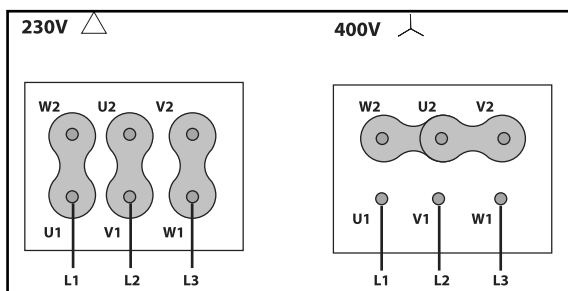
Model	G	J	K	L	M	N	N1	O	P
PRESTUR 451 T4 0,75kW ATEX	712.5	234.5	293	185	112	364	284	130	130
PRESTUR 501 T4 1,5kW ATEX	788	278	325	185	128	396	316	147	146
PRESTUR 561 T4 2,2kW ATEX	862.6	314.6	363	185	147	434	354	165	170
PRESTUR 631 T4 4kW ATEX	924.6	332.6	407	185	169	478	398	190	190
PRESTUR 711 T4 7,5kW ATEX	1051.3	408.3	458	185	184.5	529	449	210	210
PRESTUR 801 T4 15kW ATEX	1230.15	531.15	514	185	202.5	585	505	233	234

Model	R	R1	a°	n°holes
PRESTUR 311 T2 1,1kW ATEX	395	315	22,5°	8x45°
PRESTUR 311 T4 0,37kW ATEX	395	315	22,5°	8x45°
PRESTUR 351 T2 2,2kW ATEX	435	355	22,5°	8x45°
PRESTUR 351 T4 0,37kW ATEX	435	355	22,5°	8x45°
PRESTUR 401 T2 4kW ATEX	480	400	22,5°	8x45°
PRESTUR 401 T4 0,55kW ATEX	480	400	22,5°	8x45°
PRESTUR 451 T4 0,75kW ATEX	530	450	22,5°	8x45°
PRESTUR 501 T4 1,5kW ATEX	580	500	22,5°	8x45°
PRESTUR 561 T4 2,2kW ATEX	640	560	11,25°	16x22,5°
PRESTUR 631 T4 4kW ATEX	710	630	11,25°	16x22,5°
PRESTUR 711 T4 7,5kW ATEX	790	710	11,25°	16x22,5°
PRESTUR 801 T4 15kW ATEX	880	800	11,25°	16x11,25°

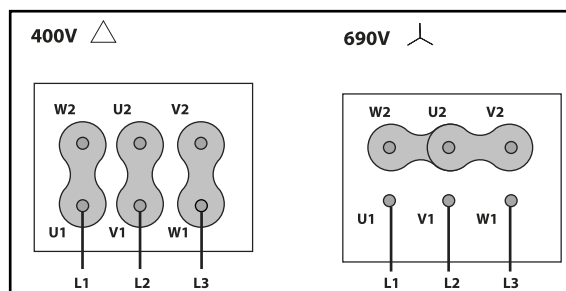
Wiring diagram

Wiring diagram N° 1

230/400V



400/690V



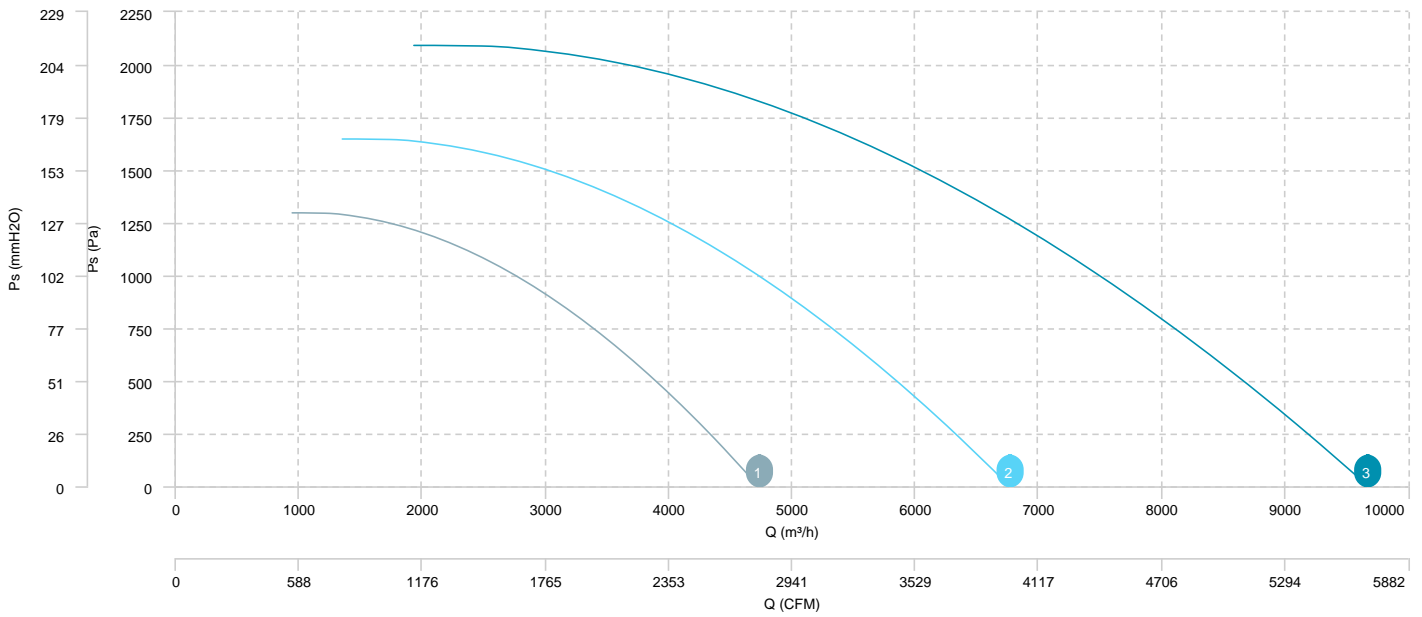
CHARACTERISTIC CURVE

1 PRESTUR 311 T2 1,1kW
ATEX

2 PRESTUR 351 T2 2,2kW
ATEX

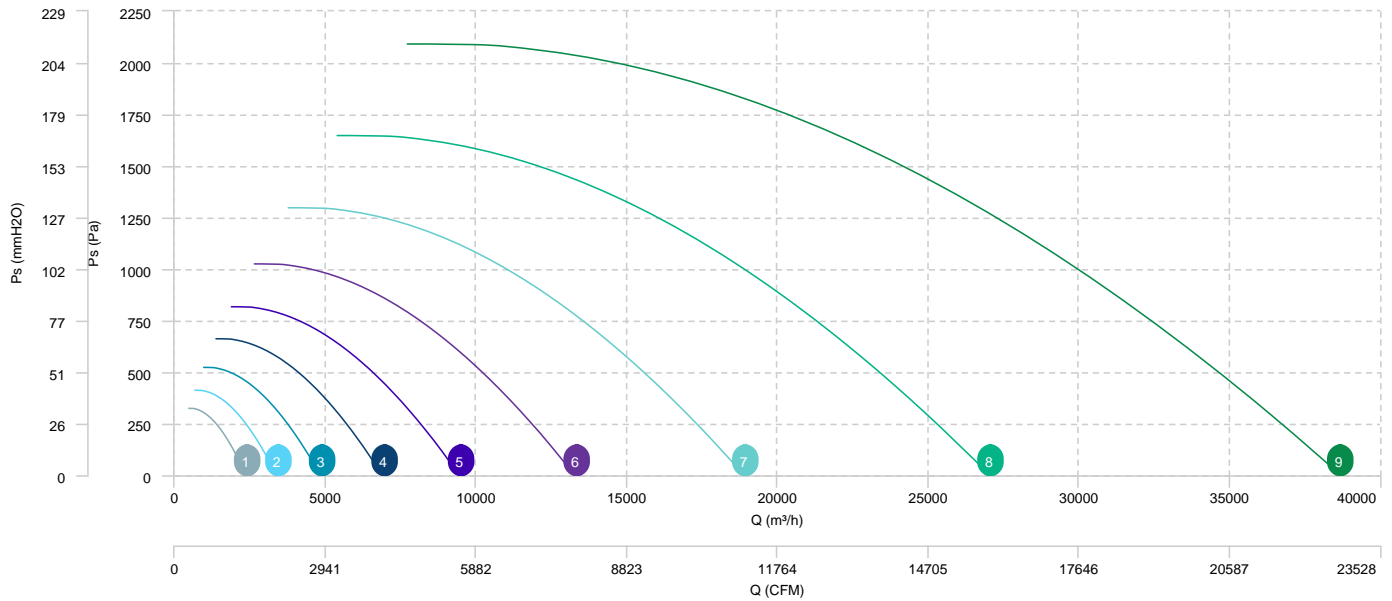
3 PRESTUR 401 T2 4kW
ATEX

AIR FLOW - PRESSURE



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

AIR FLOW - PRESSURE



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
PRESTUR 311 T2 1,1kW ATEX	Inlet	80	78	75	73	71	68	65	62	84
PRESTUR 351 T2 2,2kW ATEX	Inlet	84	82	79	77	75	72	69	66	88
PRESTUR 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
PRESTUR 311 T4 0,37kW ATEX	Inlet	65	63	60	58	56	53	50	47	69
PRESTUR 351 T4 0,37kW ATEX	Inlet	69	67	64	62	60	57	54	51	73
PRESTUR 401 T4 0,55kW ATEX	Inlet	73	71	68	66	64	61	58	55	77
PRESTUR 451 T4 0,75kW ATEX	Inlet	76	74	71	69	67	64	61	58	80
PRESTUR 501 T4 1,5kW ATEX	Inlet	79	77	74	72	70	67	64	61	83
PRESTUR 561 T4 2,2kW ATEX	Inlet	83	81	78	76	74	71	68	65	87
PRESTUR 631 T4 4kW ATEX	Inlet	87	85	82	80	78	75	72	69	91
PRESTUR 711 T4 7,5kW ATEX	Inlet	90	88	85	83	81	78	75	72	94
PRESTUR 801 T4 15kW ATEX	Inlet	94	92	89	87	85	82	79	76	98