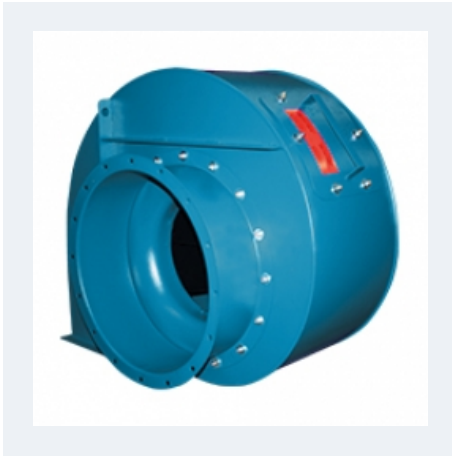


PREXTUR ATEX (2G)



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.
- Casing fully latched and adjustable.
- Self-cleaning turbine 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
- Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz, for higher powers.
- Motor with flange (B5)
- Double suction flange
- Available in the following guidelines (to be indicated in case of order): LG and RD.
- Maximum working temperature in continuous: transported air: 130°C, ambient: 60°C.

• Available in the following versions (to be indicated in case of order):

- ATEX II2G Ex_d
- ATEX II2G Ex_e
- ATEX II3GD Ex_na (see PREXTUR ATEX (3G))

APPLICATIONS

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.
- 2 speed motor.
- C4 or C5 coating painting
- Hot dip galvanized

- Inox 304 (normal or electropolished finish)
- Inox 316 (normal or electropolished finish)
- Cooling wheel
- Anticaloric paint
- Fully welded housing (waterproof)
- Inspection door to facilitate maintenance and cleaning
- Drain plug.
- Airtight axle
- Other brands of motors.

Technical data

Three-phase motor / 2 poles

Code	Model	R.P.M.	Rated I. (A) 400V	Rated power kW	Max. Airflow m3/h	Sound db (A)**	Weight	Connect. diagram
PX313290X_	PREXTUR 313 T2 1,5kW ATEX (2G)	2865	3,95	1,50	5.240	60	67,50	1
PX314290X_	PREXTUR 314 T2 1,5kW ATEX (2G)	2865	3,95	1,50	5.500	60	69,50	1
PX353290X_	PREXTUR 353 T2 2,2kW ATEX (2G)	2840	5,4	2,20	7.500	63	91	1
PX3542100X_	PREXTUR 354 T2 3kW ATEX (2G)	2880	7,3	3	7.870	64	107,50	1
PX4032112X_	PREXTUR 403 T2 4kW ATEX (2G)	2880	9,2	4	10.730	67	119,50	1
PX4042132X_	PREXTUR 404 T2 5,5kW ATEX (2G)	2910	11,46	5,50	11.260	67	147	1

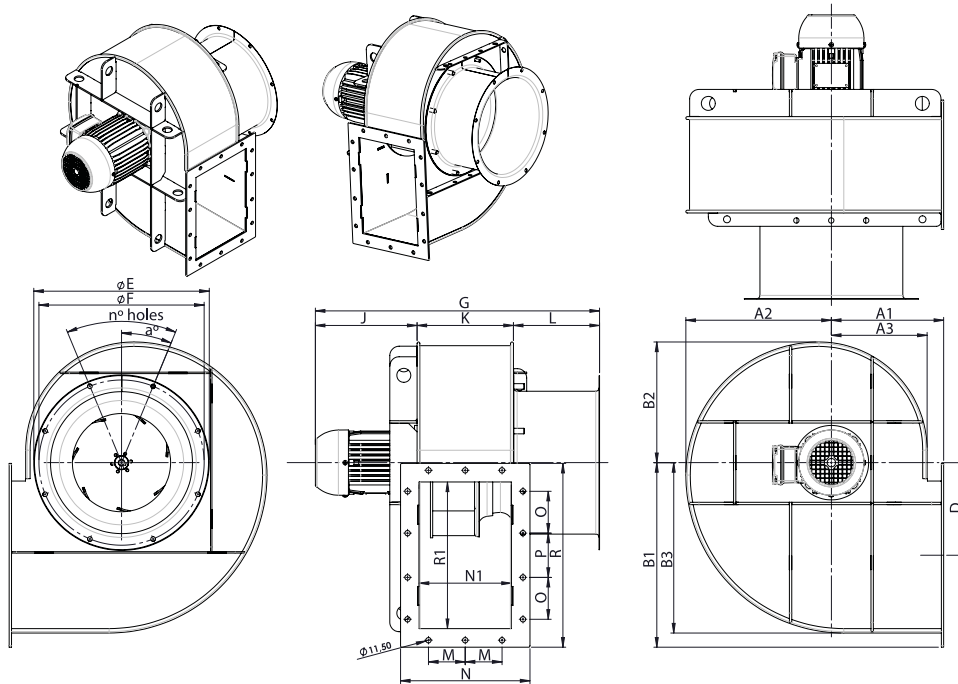
Three-phase motor / 4 poles

Code	Model	R.P.M.	Rated I. (A) 400V	Rated power kW	Max. Airflow m3/h	Sound db (A)**	Weight	Connect. diagram
PX313471X_	PREXTUR 313 T4 0,37kW ATEX (2G)	1400	1,2	0,37	2.620	45	50,20	1
PX314471X_	PREXTUR 314 T4 0,37kW ATEX (2G)	1400	1,2	0,37	2.750	45	52,20	1
PX353471X_	PREXTUR 353 T4 0,37kW ATEX (2G)	1400	1,2	0,37	3.750	48	72,20	1
PX354471X_	PREXTUR 354 T4 0,37kW ATEX (2G)	1400	1,2	0,37	3.940	49	75,20	1
PX403480X_	PREXTUR 403 T4 0,55kW ATEX (2G)	1400	1,75	0,55	5.370	52	85	1
PX404480X_	PREXTUR 404 T4 0,55kW ATEX (2G)	1400	1,75	0,55	5.630	52	88	1
PX453490X_	PREXTUR 453 T4 1,1kW ATEX (2G)	1450	3,3	1,10	7.640	55	109	1
PX454490X_	PREXTUR 454 T4 1,1kW ATEX (2G)	1450	3,3	1,10	8.020	56	112	1
PX503490X_	PREXTUR 503 T4 1,5kW ATEX (2G)	1440	3,8	1,50	10.480	59	130	1
PX5044100X_	PREXTUR 504 T4 2,2kW ATEX (2G)	1435	5,8	2,20	11.000	59	146	1
PX5634100X_	PREXTUR 563 T4 3kW ATEX (2G)	1420	6,8	3	14.730	62	162	1
PX5644100X_	PREXTUR 564 T4 3kW ATEX (2G)	1420	6,8	3	15.460	63	166	1
PX6334132X_	PREXTUR 633 T4 5,5kW ATEX (2G)	1460	11,5	5,50	20.970	66	242	1
PX6344132X_	PREXTUR 634 T4 5,5kW ATEX (2G)	1460	11,5	5,50	22.010	66	247	1
PX7134132X_	PREXTUR 713 T4 9,2kW ATEX (2G)	1465	17,40	9,20	30.010	69	335,40	1
PX7134160X_	PREXTUR 713 T4 11kW ATEX (2G)	1465	20,9	11	30.010	69	335,40	1
PX7144160X_	PREXTUR 714 T4 11kW ATEX (2G)	1455	20,9	11	31.500	70	355	1
PX8034180X_	PREXTUR 803 T4 18,5kW ATEX (2G)	1470	35,6	18,50	42.930	73	520	1
PX8044180X_	PREXTUR 804 T4 18,5kW ATEX (2G)	1470	35,6	18,50	45.060	73	530	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
PREXTUR 313 T2 1,5kW ATEX (2G)	241.3	312.6	205.8	396.5	259.2	366	199	377	355
PREXTUR 313 T4 0,37kW ATEX (2G)	241.3	312.6	205.8	396.5	259.2	366	199	377	355
PREXTUR 314 T2 1,5kW ATEX (2G)	241.3	312.6	205.8	396.5	259.2	366	199	377	355
PREXTUR 314 T4 0,37kW ATEX (2G)	241.3	312.6	205.8	396.5	259.2	366	199	377	355
PREXTUR 353 T2 2,2kW ATEX (2G)	266.2	351.1	230.7	441.8	290.9	411.3	224.3	418	395
PREXTUR 353 T4 0,37kW ATEX (2G)	266.2	351.1	230.7	441.8	290.9	411.3	224.3	418	395
PREXTUR 354 T2 3kW ATEX (2G)	266.2	351.1	230.7	441.8	290.9	411.3	224.3	418	395
PREXTUR 354 T4 0,37kW ATEX (2G)	266.2	351.1	230.7	441.8	290.9	411.3	224.3	418	395
PREXTUR 403 T2 4kW ATEX (2G)	294.3	394.6	258.8	493	326.7	462.5	253	464	438
PREXTUR 403 T4 0,55kW ATEX (2G)	294.3	394.6	258.8	493	326.7	462.5	253	464	438
PREXTUR 404 T2 5,5kW ATEX (2G)	294.3	394.6	258.8	493	326.7	462.5	253	464	438
PREXTUR 404 T4 0,55kW ATEX (2G)	294.3	394.6	258.8	493	326.7	462.5	253	464	438
PREXTUR 453 T4 1,1kW ATEX (2G)	325.4	442.5	289.9	549.3	366.2	518.8	284.3	523	485
PREXTUR 454 T4 1,1kW ATEX (2G)	325.4	442.5	289.9	549.3	366.2	518.8	284.3	523	485
PREXTUR 503 T4 1,5kW ATEX (2G)	356.6	490.7	321.1	606	405.9	575.5	316	582	535
PREXTUR 504 T4 2,2kW ATEX (2G)	356.6	490.7	321.1	606	405.9	575.5	316	582	535
PREXTUR 563 T4 3kW ATEX (2G)	394	548.5	358.5	674	453.5	643.5	354	650	608
PREXTUR 564 T4 3kW ATEX (2G)	394	548.5	358.5	674	453.5	643.5	354	650	608
PREXTUR 633 T4 5,5kW ATEX (2G)	437.6	615.9	402.1	753.3	509	722.8	398.3	710	675
PREXTUR 634 T4 5,5kW ATEX (2G)	437.6	615.9	402.1	753.3	509	722.8	398.3	710	675

Model	A1	A2	A3	B1	B2	B3	D	E	F
PREXTUR 713 T4 9,2kW ATEX (2G)	487.5	692.8	452	843.7	572.4	813.2	448.7	826	755
PREXTUR 713 T4 11kW ATEX (2G)	487.5	692.8	452	843.7	572.4	813.2	448.7	826	755
PREXTUR 714 T4 11kW ATEX (2G)	487.5	692.8	452	843.7	572.4	813.2	448.7	826	755
PREXTUR 803 T4 18,5kW ATEX (2G)	543.6	779.53	508.1	945.74	643.77	915.28	505.74	930	845
PREXTUR 804 T4 18,5kW ATEX (2G)	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
PREXTUR 313 T2 1,5kW ATEX (2G)	693	278	230	185	91	301	221	90	95
PREXTUR 313 T4 0,37kW ATEX (2G)	633.5	218.5	230	185	91	301	221	90	95
PREXTUR 314 T2 1,5kW ATEX (2G)	693	278	230	185	91	301	221	90	95
PREXTUR 314 T4 0,37kW ATEX (2G)	633.5	218.5	230	185	91	301	221	90	95
PREXTUR 353 T2 2,2kW ATEX (2G)	722	278	259	185	105	330	250	105	105
PREXTUR 353 T4 0,37kW ATEX (2G)	662.5	218.5	259	185	105	330	250	105	105
PREXTUR 354 T2 3kW ATEX (2G)	758.6	314.6	259	185	105	330	250	105	105
PREXTUR 354 T4 0,37kW ATEX (2G)	662.5	218.5	259	185	105	330	250	105	105
PREXTUR 403 T2 4kW ATEX (2G)	807.6	332.6	290	185	121	361	281	120	120
PREXTUR 403 T4 0,55kW ATEX (2G)	709.5	234.5	290	185	121	361	281	120	120
PREXTUR 404 T2 5,5kW ATEX (2G)	758.6	314.6	290	185	121	361	281	120	120
PREXTUR 404 T4 0,55kW ATEX (2G)	709.5	234.5	290	185	121	361	281	120	120
PREXTUR 453 T4 1,1kW ATEX (2G)	788	278	325	185	128	396	316	130	130
PREXTUR 454 T4 1,1kW ATEX (2G)	788	278	325	185	128	396	316	130	130
PREXTUR 503 T4 1,5kW ATEX (2G)	824	278	361	185	146	432	352	147	146
PREXTUR 504 T4 2,2kW ATEX (2G)	860.6	314.6	361	185	146	432	352	147	146
PREXTUR 563 T4 3kW ATEX (2G)	902.6	314.6	474	185	167	474	394	165	170
PREXTUR 564 T4 3kW ATEX (2G)	902.6	314.6	474	185	167	474	394	165	170
PREXTUR 633 T4 5,5kW ATEX (2G)	1045.3	408.3	452	185	192	523	443	190	190
PREXTUR 634 T4 5,5kW ATEX (2G)	1045.3	408.3	452	185	192	523	443	190	190
PREXTUR 713 T4 9,2kW ATEX (2G)	1102.3	408.3	509	185	210	580	500	210	210
PREXTUR 713 T4 11kW ATEX (2G)	1225.15	531.15	509	185	210	580	500	210	210
PREXTUR 714 T4 11kW ATEX (2G)	1225.15	531.15	509	185	210	580	500	210	210
PREXTUR 803 T4 18,5kW ATEX (2G)	1346.2	590.2	571	185	231	642	562	233	234
PREXTUR 804 T4 18,5kW ATEX (2G)	1346.2	590.2	571	185	231	642	562	233	234

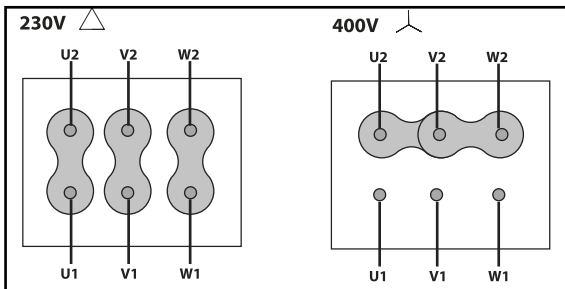
Model	R	R1	a°	n°holes
PREXTUR 313 T2 1,5kW ATEX (2G)	395	315	22,5°	8x45°
PREXTUR 313 T4 0,37kW ATEX (2G)	395	315	22,5°	8x45°
PREXTUR 314 T2 1,5kW ATEX (2G)	395	315	22,5°	8x45°
PREXTUR 314 T4 0,37kW ATEX (2G)	395	315	22,5°	8x45°
PREXTUR 353 T2 2,2kW ATEX (2G)	435	355	22,5°	8x45°
PREXTUR 353 T4 0,37kW ATEX (2G)	435	355	22,5°	8x45°

Model	R	R1	a°	n°holes
PREXTUR 354 T2 3kW ATEX (2G)	435	355	22,5°	8x45°
PREXTUR 354 T4 0,37kW ATEX (2G)	435	355	22,5°	8x45°
PREXTUR 403 T2 4kW ATEX (2G)	480	400	22,5°	8x45°
PREXTUR 403 T4 0,55kW ATEX (2G)	480	400	22,5°	8x45°
PREXTUR 404 T2 5,5kW ATEX (2G)	480	400	22,5°	8x45°
PREXTUR 404 T4 0,55kW ATEX (2G)	480	400	22,5°	8x45°
PREXTUR 453 T4 1,1kW ATEX (2G)	530	450	22,5°	8x45°
PREXTUR 454 T4 1,1kW ATEX (2G)	530	450	22,5°	8x45°
PREXTUR 503 T4 1,5kW ATEX (2G)	580	500	19°	8x45°
PREXTUR 504 T4 2,2kW ATEX (2G)	580	500	19°	8x45°
PREXTUR 563 T4 3kW ATEX (2G)	640	560	15°	12x30°
PREXTUR 564 T4 3kW ATEX (2G)	640	560	15°	12x30°
PREXTUR 633 T4 5,5kW ATEX (2G)	710	630	0°	12x30°
PREXTUR 634 T4 5,5kW ATEX (2G)	710	630	0°	12x30°
PREXTUR 713 T4 9,2kW ATEX (2G)	790	710	5°	16x22,5°
PREXTUR 713 T4 11kW ATEX (2G)	790	710	5°	16x22,5°
PREXTUR 714 T4 11kW ATEX (2G)	790	710	5°	16x22,5°
PREXTUR 803 T4 18,5kW ATEX (2G)	880	800	11,25°	16x22,5°
PREXTUR 804 T4 18,5kW ATEX (2G)	880	800	11,25°	16x22,5°

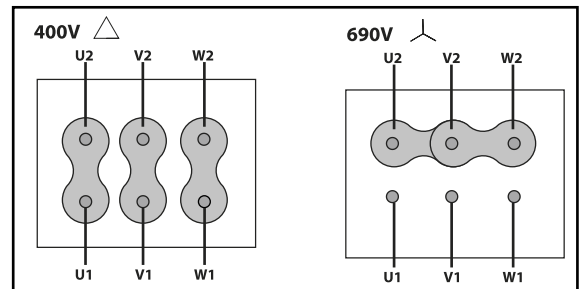
Wiring diagram

DIAGRAM N° 1

230/400V



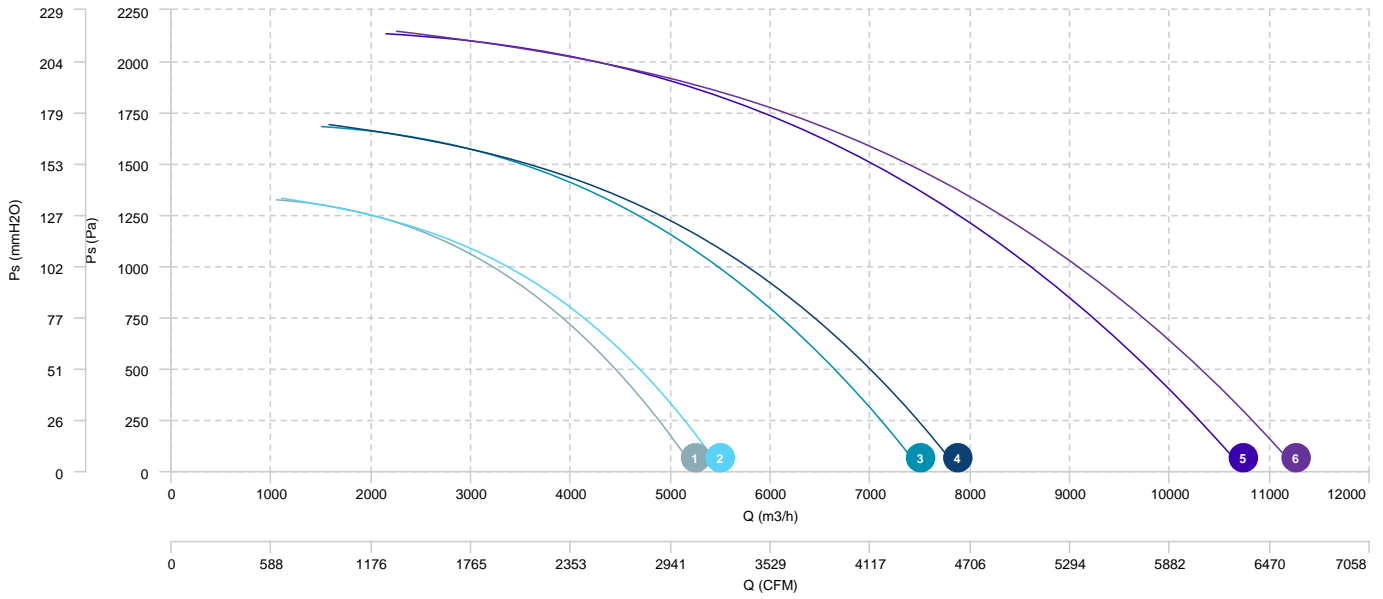
400/690V



CHARACTERISTIC CURVE

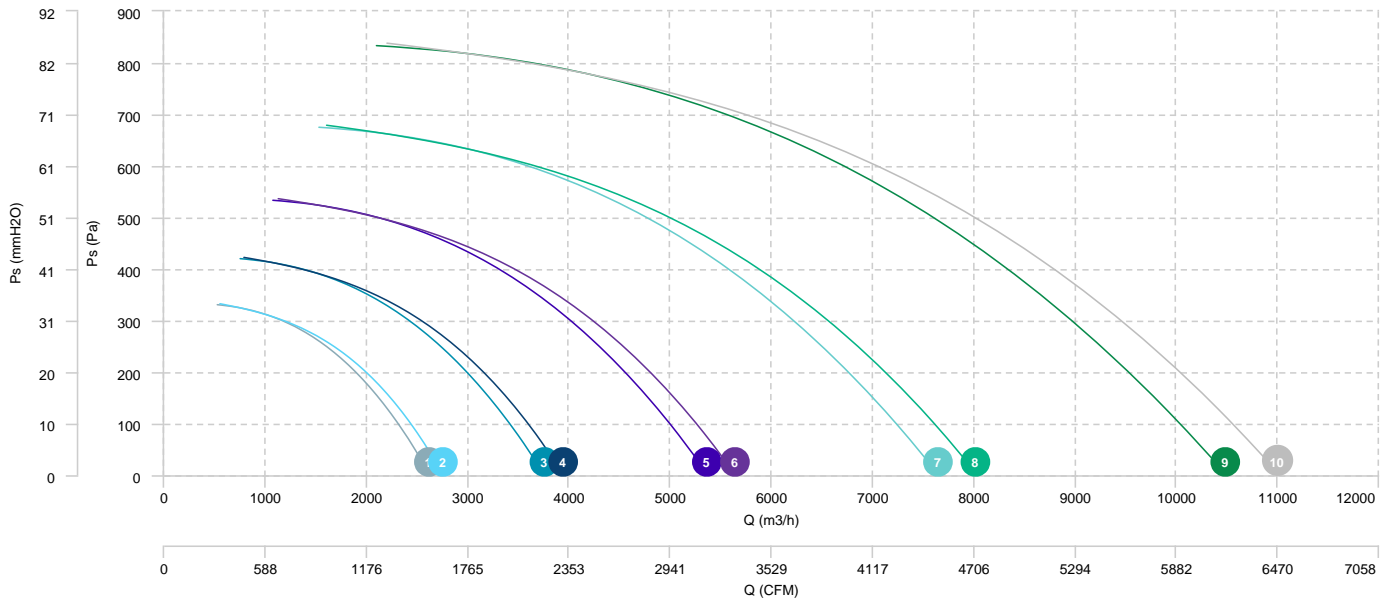
1 PREXTUR 313 T2 1,5kW ATEX (2G)	2 PREXTUR 314 T2 1,5kW ATEX (2G)	3 PREXTUR 353 T2 2,2kW ATEX (2G)	4 PREXTUR 354 T2 3kW ATEX (2G)
5 PREXTUR 403 T2 4kW ATEX (2G)	6 PREXTUR 404 T2 5,5kW ATEX (2G)		

AIR FLOW - PRESSURE



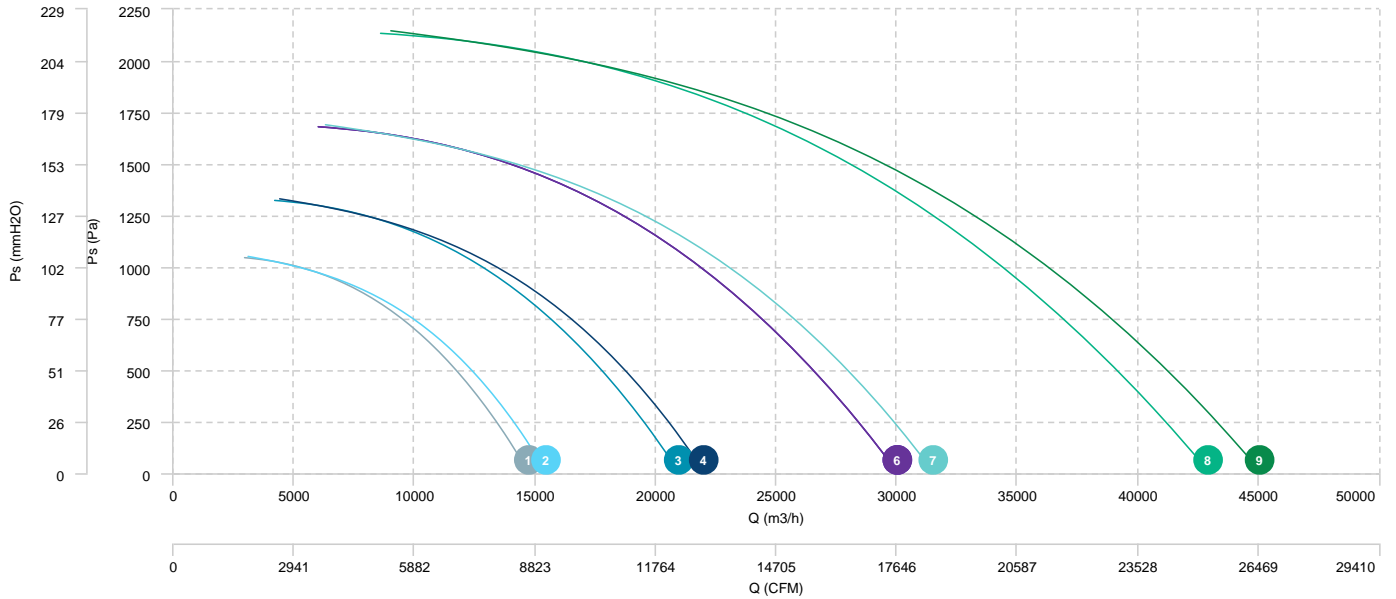
1	PREXTUR 313 T4 0,37kW ATEX (2G)	2	PREXTUR 314 T4 0,37kW ATEX (2G)	3	PREXTUR 353 T4 0,37kW ATEX (2G)	4	PREXTUR 354 T4 0,37kW ATEX (2G)
5	PREXTUR 403 T4 0,55kW ATEX (2G)	6	PREXTUR 404 T4 0,55kW ATEX (2G)	7	PREXTUR 453 T4 1,1kW ATEX (2G)	8	PREXTUR 454 T4 1,1kW ATEX (2G)
9	PREXTUR 503 T4 1,5kW ATEX (2G)	10	PREXTUR 504 T4 2,2kW ATEX (2G)				

AIR FLOW - PRESSURE

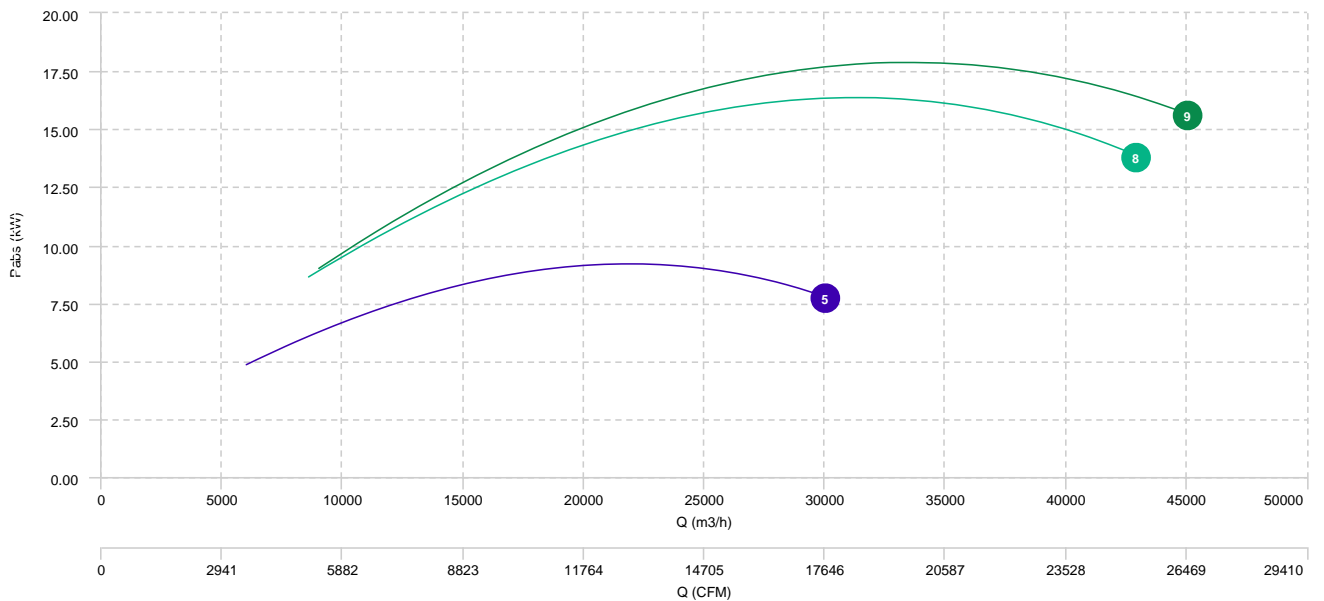


1	PREXTUR 563 T4 3kW ATEX (2G)	2	PREXTUR 564 T4 3kW ATEX (2G)	3	PREXTUR 633 T4 5,5kW ATEX (2G)	4	PREXTUR 634 T4 5,5kW ATEX (2G)
5	PREXTUR 713 T4 9,2kW ATEX (2G)	6	PREXTUR 713 T4 11kW ATEX (2G)	7	PREXTUR 714 T4 11kW ATEX (2G)	8	PREXTUR 803 T4 18,5kW ATEX (2G)
9	PREXTUR 804 T4 18,5kW ATEX (2G)						

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
PREXTUR 313 T2 1,5kW ATEX (2G)	Inlet	82	80	77	75	73	70	67	64	86
PREXTUR 314 T2 1,5kW ATEX (2G)	Inlet	82	80	77	75	73	70	67	64	86
PREXTUR 353 T2 2,2kW ATEX (2G)	Inlet	85	83	80	78	76	73	70	67	89
PREXTUR 354 T2 3kW ATEX (2G)	Inlet	86	84	81	79	77	74	71	68	90
PREXTUR 403 T2 4kW ATEX (2G)	Inlet	89	87	84	82	80	77	74	71	93
PREXTUR 404 T2 5,5kW ATEX (2G)	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
PREXTUR 313 T4 0,37kW ATEX (2G)	Inlet	67	65	62	60	58	55	52	49	71
PREXTUR 314 T4 0,37kW ATEX (2G)	Inlet	67	65	62	60	58	55	52	49	71
PREXTUR 353 T4 0,37kW ATEX (2G)	Inlet	70	68	65	63	61	58	55	52	74
PREXTUR 354 T4 0,37kW ATEX (2G)	Inlet	71	69	66	64	62	59	56	53	75
PREXTUR 403 T4 0,55kW ATEX (2G)	Inlet	74	72	69	67	65	62	59	56	78
PREXTUR 404 T4 0,55kW ATEX (2G)	Inlet	74	72	69	67	65	62	59	56	78
PREXTUR 453 T4 1,1kW ATEX (2G)	Inlet	77	75	72	70	68	65	62	59	81
PREXTUR 454 T4 1,1kW ATEX (2G)	Inlet	78	76	73	71	69	66	63	60	82
PREXTUR 503 T4 1,5kW ATEX (2G)	Inlet	81	79	76	74	72	69	66	63	85
PREXTUR 504 T4 2,2kW ATEX (2G)	Inlet	81	79	76	74	72	69	66	63	85
PREXTUR 563 T4 3kW ATEX (2G)	Inlet	84	82	79	77	75	72	69	66	88
PREXTUR 564 T4 3kW ATEX (2G)	Inlet	85	83	80	78	76	73	70	67	89
PREXTUR 633 T4 5,5kW ATEX (2G)	Inlet	88	86	83	81	79	76	73	70	92
PREXTUR 634 T4 5,5kW ATEX (2G)	Inlet	88	86	83	81	79	76	73	70	92
PREXTUR 713 T4 9,2kW ATEX (2G)	Inlet	91	89	86	84	82	79	76	73	95
PREXTUR 713 T4 11kW ATEX (2G)	Inlet	91	89	86	84	82	79	76	73	95
PREXTUR 714 T4 11kW ATEX (2G)	Inlet	92	90	87	85	83	80	77	74	96
PREXTUR 803 T4 18,5kW ATEX (2G)	Inlet	95	93	90	88	86	83	80	77	99
PREXTUR 804 T4 18,5kW ATEX (2G)	Inlet	95	93	90	88	86	83	80	77	99