

CA

High pressure, single inlet centrifugal fans with cast aluminium casing and impeller



- Fan:
- Cast aluminium casing.
 - Cast aluminium impeller.

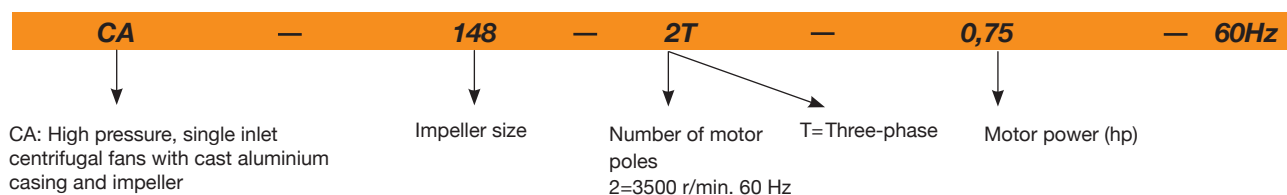
- Motor:
- IE3 efficiency motors for powers equal to or greater than 0.75kW except single-phase, 2-speed and 8-pole.
 - Class F motors with ball bearings and IP55 protection.
 - Multi voltage motor, special design valid for 220/380V 60Hz, 254/440V 60Hz, 265/460V 60Hz, 277/480V 60Hz.
 - Maximum temperature of air to be carried: -20 °C.+ 120 °C.

- Finish:
- Anti-corrosive finish of polyester resin polymerised at 190 °C, previously degreased with phosphate-free nanotechnological treatment.

- On request:
- Special windings for different voltages.
 - Fan prepared for air transmission of up to 250 °C.
 - ATEX-certified Category 2.

Extremely thick aluminium construction to absorb noise and vibrations

Order code



Technical characteristics

60Hz

Model	Speed (r/min)	Max. admissible current (A)		Installed power (kW)	Maximum flow rate (m ³ /h)	Sound pressure level dB(A)	Approx. weight (kg)
		220-277V	380-480V				
CA-234-2T	3444	1.92	1.11	0.37	220	72	10.2
CA-234-2M	3444	2.53		0.37	220	72	10.2
CA-142-2T-0.33	3282	1.29	0.75	0.25	275	73	22.5
CA-142-2T-0.5	3372	1.92	1.11	0.37	350	73	22.5
CA-148-2T-0.75	3396	2.57	1.49	0.55	400	74	28.0
CA-148-2T-1	3408	2.78	1.60	0.75	490	75	30.0
CA-148-2T-1.5	3420	4.20	2.40	1.10	610	76	32.0
CA-154-2T-1.5	3396	4.20	2.40	1.10	600	78	46.0
CA-154-2T-2	3432	5.44	3.13	1.50	800	79	48.5
CA-154-2T-3	3450	7.77	4.47	2.20	1280	80	50.5
CA-160-2T-2	3420	5.44	3.13	1.50	500	83	57.0
CA-160-2T-3	3432	7.77	4.47	2.20	900	84	58.0
CA-166-2T-3	3444	7.77	4.47	2.20	500	84	67.0
CA-166-2T-4	3444	10.18	5.88	3.00	950	85	73.0
CA-166-2T-5.5	3432	13.60	7.82	4.00	1600	86	76.0
CA-172-2T-5.5	3456	13.60	7.82	4.00	1100	87	90.0
CA-172-2T-7.5	3456		10.50	5.50	1710	88	112.0
CA-172-2T-10	3516		14.50	7.50	2300	89	124.0

Acoustic characteristics

Sound power spectrum Lw(A) in dB(A) per Hz frequency band

Model	63	125	250	500	1000	2000	4000	8000	Model	63	125	250	500	1000	2000	4000	8000
234	38	51	65	72	80	79	73	64	160-2	54	67	81	88	96	94	88	80
142	39	52	66	73	81	80	74	65	160-3	55	68	82	89	97	95	89	81
148-0.75	43	56	70	77	85	83	77	69	166-3	55	68	82	89	97	95	89	81
148-1	44	57	71	78	86	84	78	70	166-4	56	69	83	90	98	96	90	82
148-1.5	45	58	72	79	87	85	79	71	166-5.5	57	70	84	91	99	97	91	83
154-1.5	47	60	74	81	89	87	81	73	172-5.5	59	72	86	93	101	100	94	85
154-2	48	61	75	82	90	88	82	74	172-7.5	60	73	87	94	102	101	95	86
154-3	49	62	76	83	91	89	83	75	172-10	61	74	88	95	103	102	96	87

Dimensions mm

CA-234

Model	A	A1	B	C	C1	C2	øD	ød	ød1	ød2	E	H	H1	I	J	øK	k	øO	øO1	V	v	x1	Y
CA-234-2T-0.33	376	381	415	272	242.5	29.5	98	130	115	M4	175	225	187	98	63	40	72	9	9	180	120	40	94
CA-234-2M-0.33	376	381	415	272	242.5	29.5	98	130	115	M4	175	225	187	98	63	40	72	9	9	180	120	40	94

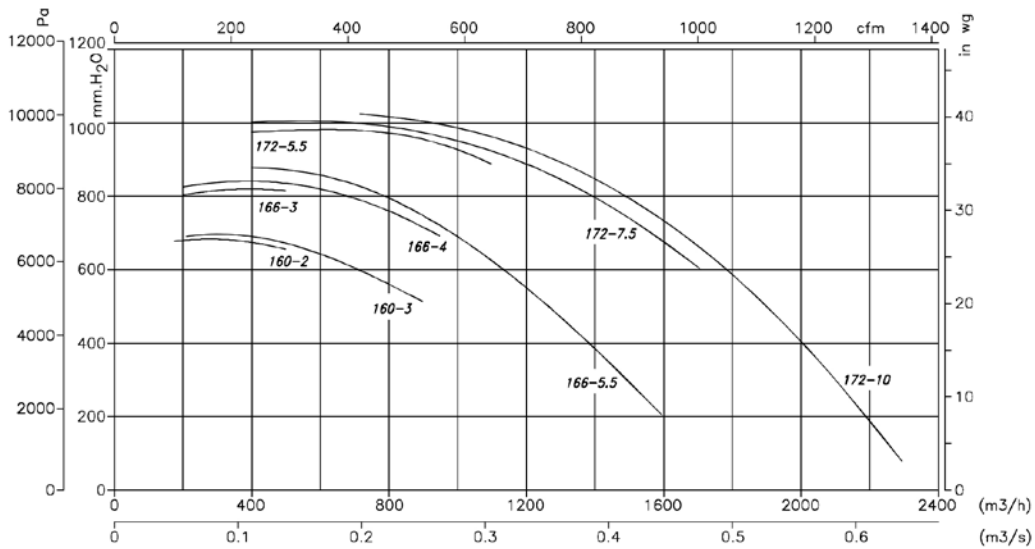
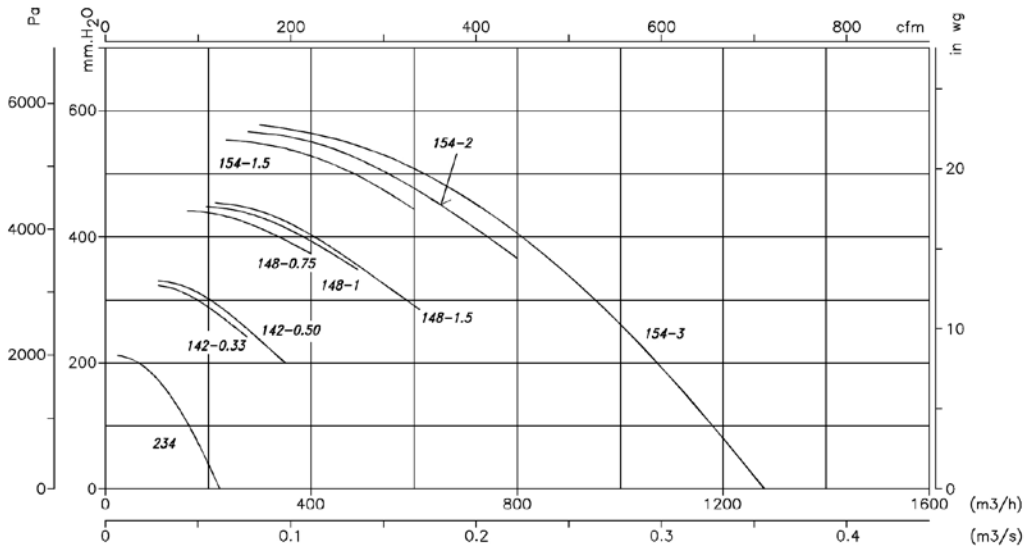
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Model	A	A1	B	C	C1	C2	øD	ød	ød1	ød2	E	H	H1	I	J	øK	øk	øO	øO1	V	v	x1	Y
CA-142-2T-0.33	494	488	540	270	221.52	48.5	90	160	130	M8	240	301	235	120	60	90	11	12	300	270	130	51	
CA-142-2T-0.5	494	488	540	290	241.5	48.5	90	160	130	M8	240	301	235	120	60	90	11	12	300	270	130	51	
CA-142-2T-0.75	563	557.5	639	308.5	251.5	57	100	170	140	M8	270	360	269.5	150	73	110	11	12	330	290	140	60	
CA-148-2T-1	563	557.5	639	324.5	267.5	57	100	170	140	M8	270	360	269.5	150	73	110	11	12	330	290	140	60	
CA-148-2T-1.5	563	557.5	639	324.5	267.5	57	100	170	140	M8	270	360	269.5	150	73	110	11	12	330	290	140	60	
CA-154-2T-1.5	630	625	708	348	268.5	79.5	115	183	155	M10	300	395	308	160	80	120	13	12	356	320	210	62	
CA-154-2T-2	630	625	708	371	291.5	79.5	115	183	155	M10	300	395	308	160	80	120	13	12	356	320	210	62	
CA-154-2T-3	630	625	708	396	316.5	79.5	115	183	155	M10	300	395	308	160	80	120	13	12	356	320	210	62	
CA-160-2T-2	708	699	785	381	291	90	130	230	192	M10	336	440	338	160	85	120	13	12	373	322	220	62	
CA-160-2T-3	708	699	785	406	316	90	130	230	192	M10	336	440	338	160	85	120	13	12	373	322	220	62	
CA-166-2T-3	759	752	866	399	319.5	79.5	140	230	200	M10	364	490	372	160	85	120	13	12	450	400	245	70	
CA-166-2T-4	759	752	866	423	343.5	79.5	140	230	200	M10	364	490	372	160	85	120	13	12	450	400	245	70	
CA-166-2T-5.5	759	752	866	445	365.5	79.5	140	230	200	M10	364	490	372	160	85	120	13	12	450	400	265	70	
CA-172-2T-5.5	818	813	923	451	371	80	148	230	200	M10	390	516	404	175	90	140	13	12	450	400	260	78	
CA-172-2T-7.5	818	813	923	492	412	80	148	230	200	M10	390	516	404	175	90	140	13	12	450	400	300	78	
CA-172-2T-10	818	813	923	492	412	80	148	230	200	M10	390	516	404	175	90	140	13	12	450	400	300	78	

Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm.

Pe= Static pressure in mm H₂O, Pa and inwg.



Orientation

Standard supply LG 270.

LG 180 positions on request and with special anchoring measurements.



Accessories

