

Model	A	B1	ØC	D	E	F	G
AXIA AI HT 40	410	260	450	490	300/390	8	12
AXIA AI HT 45	460	260	500	540	350/430	8	12
AXIA AI HT 50	510	260	560	595	350/440	12	12
AXIA AI HT 55	570	260	620	655	350/440	12	12
AXIA AI HT 60	640	350	690	725	400/490	12	12
AXIA AI HT 70	710	350	770	805	400/560	16	12
AXIA AI HT 80	807	600	860	900	600	16	23
AXIA AI HT 90	910	700	970	1010	700	16	23
AXIA AI HT 100	1010	700	1070	1110	700	16	23
AXIA AI HT 125	1265	900	1315	1355	900	16	23

AXIA AI HT

SMOKE EXHAUST FANS FOR FIRE AND CAR GARAGES

AXIA AI-HT fans are designed to be used in installations where the smoke exhaust in case of fire is prescribed (mainly buildings open to public), according to the European Standard EN 12101-3.

Products certified by an Acknowledged Qualified Institute.

The AXIA AI-HT range is suitable for continuous service at 40°C air temperature and, in case of fire (emergency service), at 300°C for 60 minutes (F300) or at the temperature of 400°C for 120 minutes (F400).

The series is composed by 6 sizes, with airflow up to 20.000 m³/h.

- Impeller in die cast aluminum alloy with aerofoil profile, with variable pitch

angle in still condition;

- Hub in die cast aluminum alloy;
- Balancing according to UNI ISO 1940 standard;
- Casing in steel sheet, with protective epoxy painting;
- Flanges according to UNI ISO 13351 standard;
- 3-phase electric motor, IP55, B3 mounting, according to IEC/EEC standard, suitable and certified for continuous service at 40°C and at 300°C for 60 minutes in case of fire (F300) and at 400°C for 120 minutes (F400)
- Bigger sizes and higher performances are available on request.



POSITIONING

- Duct mounting

ENVIRONMENTS APPLICATION

Suitable for system of evacuation in case of fire such as:

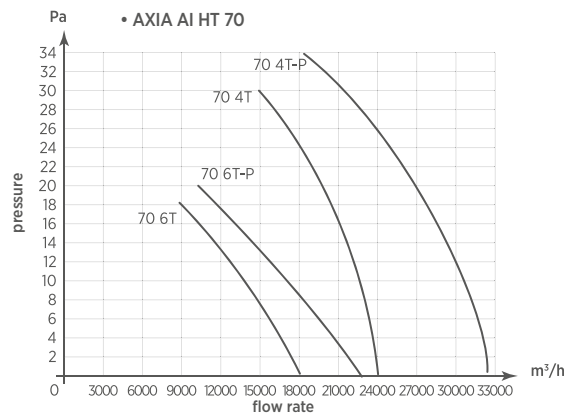
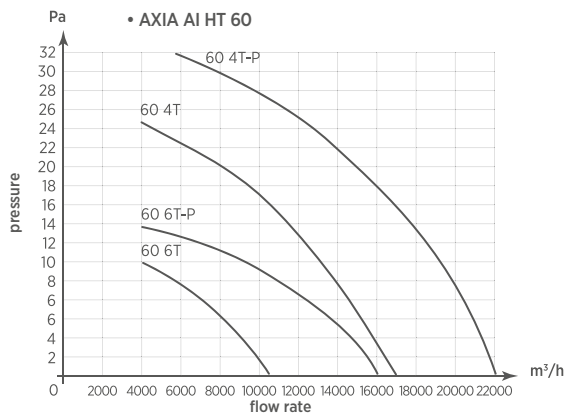
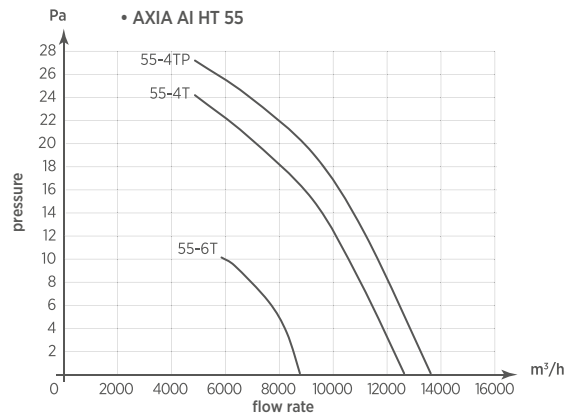
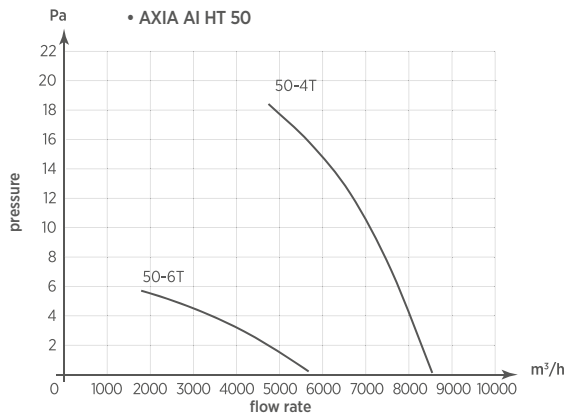
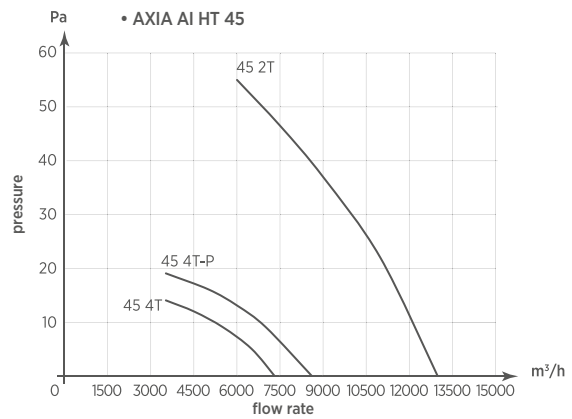
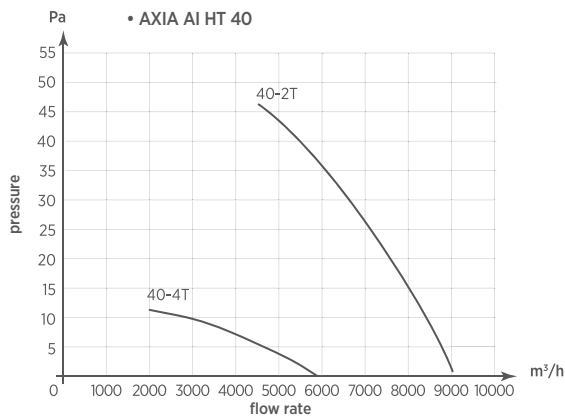
- Shopping centers
- Hospital
- Theaters
- Underground parking
- Schools
- Museums
- Buildings and skyscrapers.

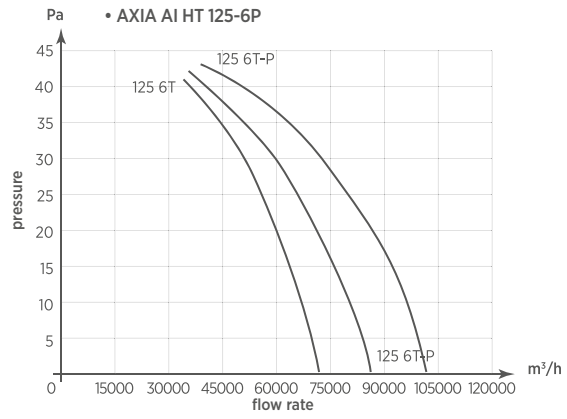
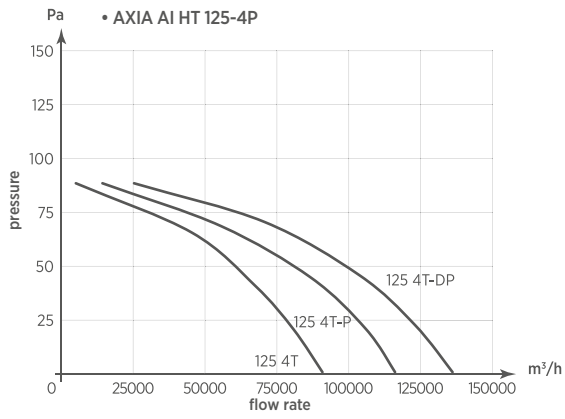
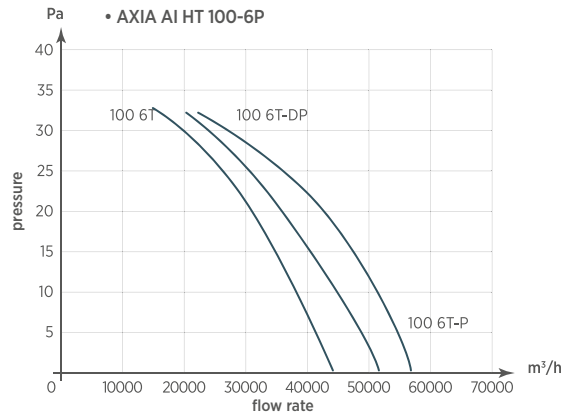
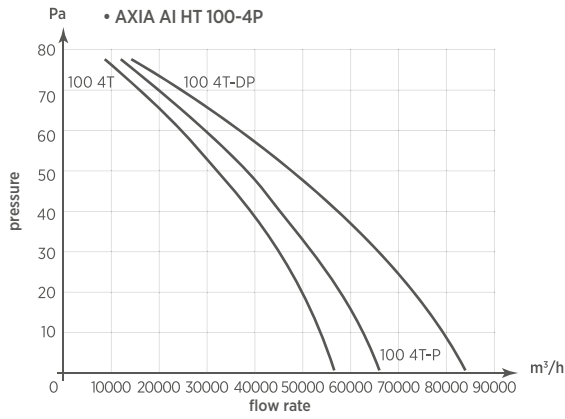
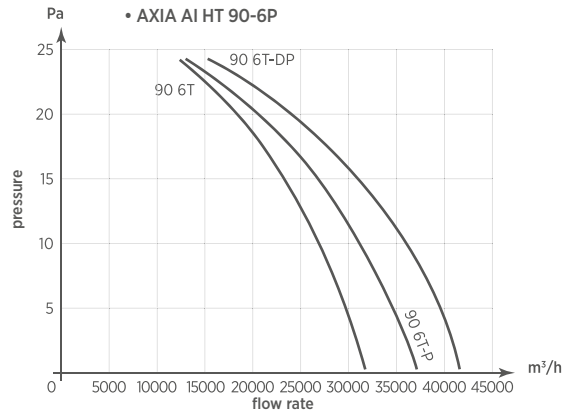
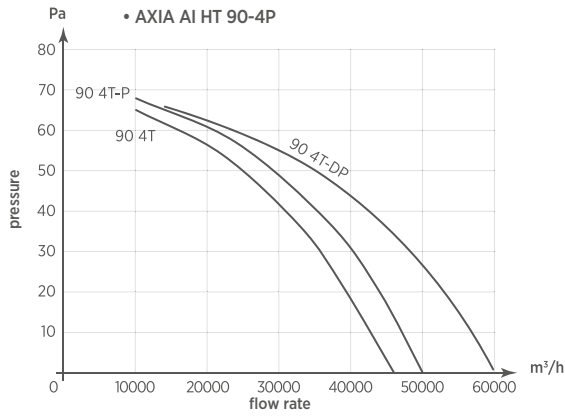
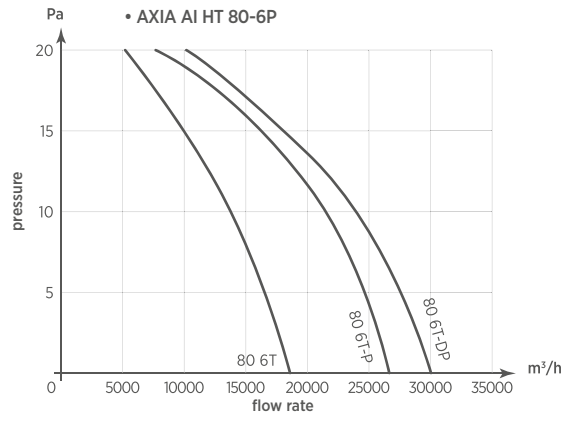
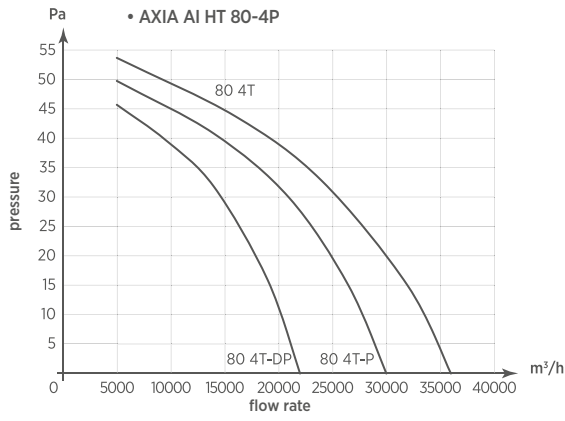
TECHNICAL DATA

Model	Code		Motor	N° Poles	Rev. per min. (RPM)	Tension (Volt)	Flow rate (m ³ /h)	Max press. (mm H ₂ O)	Max press. (Pa)	Power (kW)	Nom. Curr (A)		IP Motor protection	Noisiness dB(A) _{3m}	Weight (Kg)
	F300	F400									230 V	400 V			
AXIA AI HT 40 2T	-	0013391	Three phase	2	2865	400	8900	56,1	550	1,5	5,4	3,1	IP55	78	25
AXIA AI HT 40 4T	0013201	0013301	Three phase	4	1420	400	5900	11,2	110	0,55	2,6	1,5	IP55	63	23
AXIA AI HT 45 2T	-	0013393	Three phase	2	2880	400	13000	56,1	550	3,0	10,3	5,9	IP55	82	26
AXIA AI HT 45 4T	0013203	0013303	Three phase	4	1420	400	7300	14,3	140	0,55	2,3	1,3	IP55	67	22
AXIA AI HT 45 4T-P	0013205	0013305	Three phase	4	1420	400	8600	19,4	190	0,55	2,3	1,3	IP55	69	24
AXIA AI HT 50 4T	0013207	0013307	Three phase	4	1420	400	9000	21,4	210	0,55	2,3	1,3	IP55	72	32
AXIA AI HT 50 6T	0013209	0013309	Three phase	6	920	400	6000	7,1	70	0,55	2,3	1,3	IP55	60	30
AXIA AI HT 55 4T	0013211	0013311	Three phase	4	1415	400	13000	24,5	240	0,75	3,0	1,7	IP55	70	38
AXIA AI HT 55 4T-P	0013213	0013313	Three phase	4	1410	400	14000	27,5	270	1,1	4,3	2,5	IP55	73	41
AXIA AI HT 55 6T	0013215	0013315	Three phase	6	1420	400	9000	10,2	100	0,37	2,2	1,3	IP55	64	36
AXIA AI HT 60 4T	0013217	0013317	Three phase	4	1420	400	17000	25,5	250	1,1	4,2	2,4	IP55	76	65
AXIA AI HT 60 4T-P	0013219	0013319	Three phase	4	1410	400	22000	27,5	270	2,2	8,1	4,6	IP55	77	69
AXIA AI HT 60 6T	0013221	0013321	Three phase	6	910	400	9800	10,2	100	0,55	2,6	1,5	IP55	60	64
AXIA AI HT 60 6T-P	0013223	0013323	Three phase	6	920	400	15600	10,8	106	0,75	3,4	2,0	IP55	68	61
AXIA AI HT 70 4T	0013225	0013325	Three phase	4	1430	400	23000	35,7	350	2,2	8,1	4,6	IP55	79	80
AXIA AI HT 70 4T-P	0013227	0013327	Three phase	4	1430	400	32000	40,8	400	4	14,4	8,3	IP55	81	88
AXIA AI HT 70 6T	0013229	0013329	Three phase	6	925	400	18200	17,8	175	0,75	3,4	2,0	IP55	71	78
AXIA AI HT 70 6T-P	0013231	0013331	Three phase	6	925	400	22500	18,3	180	1,1	4,8	2,8	IP55	72	75
AXIA AI HT 80 4T	-	0013333	Three phase	4	1440	400	22000	46,9	460	3	11,3	6,5	IP55	79	120
AXIA AI HT 80 4T-P	-	0013335	Three phase	4	1440	400	30000	51,0	500	4	14,4	8,3	IP55	82	125
AXIA AI HT 80 4T-DP	-	0013337	Three phase	4	1460	400	36000	55,0	540	5,5	18,3	10,5	IP55	84	130
AXIA AI HT 80 6T	-	0013339	Three phase	6	925	400	18500	17,3	170	0,75	3,4	2,0	IP55	72	120
AXIA AI HT 80 6T-P	-	0013341	Three phase	6	935	400	26600	19,4	190	1,1	4,8	2,8	IP55	73	115
AXIA AI HT 80 6T-DP	-	0013343	Three phase	6	940	400	29400	19,9	195	1,5	6,4	3,7	IP55	75	110
AXIA AI HT 90 4T	-	0013345	Three phase	4	1460	400	46000	66,3	650	5,5	18,3	10,5	IP55	85	188

Model	Code F300	Code F400	Motor	N° Poles	Rev. per min. (RPM)	Tension (Volt)	Flow rate (m³/h)	Max press. (mm H ₂ O)	Max press. (Pa)	Power (kW)	Nom. curr. (A)		IP Motor protection	Noisiness dB(A) _{1m}	Weight (Kg)
											230 V	400 V			
AXIA AI HT 90 4T-P	-	0013347	Three phase	4	1455	400	50000	69,3	680	7,5	24,5	14,1	IP55	87	195
AXIA AI HT 90 4T-DP	-	0013349	Three phase	4	1450	400	59000	70,3	690	11	36,9	21,2	IP55	90	200
AXIA AI HT 90 6T	-	0013351	Three phase	6	940	400	32000	24,5	240	1,5	6,5	3,7	IP55	78	175
AXIA AI HT 90 6T-P	-	0013353	Three phase	6	955	400	37000	24,5	240	2,2	10,3	5,9	IP55	80	180
AXIA AI HT 90 6T-DP	-	0013355	Three phase	6	955	400	24000	25,5	250	3	12,7	7,3	IP55	81	185
AXIA AI HT 100 4T	-	0013357	Three phase	4	1455	400	58000	76,5	750	7,5	24,5	14,1	IP55	89	240
AXIA AI HT 100 4T-P	-	0013359	Three phase	4	1470	400	68000	64,2	630	11	36,9	21,2	IP55	90	247
AXIA AI HT 100 4T-DP	-	0013361	Three phase	4	1465	400	83000	66,3	650	15	49,9	28,7	IP55	92	258
AXIA AI HT 100 6T	-	0013363	Three phase	6	960	400	44000	30,6	300	3	11,3	6,5	IP55	80	240
AXIA AI HT 100 6T-P	-	0013365	Three phase	6	960	400	52000	31,6	310	4	16,5	9,5	IP55	82	235
AXIA AI HT 100 6T-DP	-	0013367	Three phase	6	960	400	57000	31,6	310	5,5	22,3	12,8	IP55	84	228
AXIA AI HT 125 4T	-	0013369	Three phase	4	1455	400	90000	89,7	880	22	69,7	40,1	IP55	95	340
AXIA AI HT 125 4T-P	-	0013371	Three phase	4	1470	400	115000	89,7	880	30	97,2	55,9	IP55	96	345
AXIA AI HT 125 4T-DP	-	0013373	Three phase	4	1475	400	135000	89,7	880	37	111,1	63,9	IP55	98	350
AXIA AI HT 125 6T	-	0013375	Three phase	6	960	400	72000	39,8	390	5,5	22,3	12,8	IP55	87	290
AXIA AI HT 125 6T-P	-	0013377	Three phase	6	970	400	86000	40,8	400	7,5	26,1	15,0	IP55	87	295
AXIA AI HT 125 6T-DP	-	0013379	Three phase	6	970	400	100000	42,8	420	11	38,3	22,0	IP55	90	300

FLOW CHARTS





ACCESSORIES AVAILABLE ON DEMAND:

Counterflanges

Protection grilles

Floor fixing brackets