

AIT Series
Inline Type Axial
Fans



Fan:

- Motor-rotor air flow direction.
- Tubular casing in sheet steel with external terminal box.

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. IP55 protection. except single-phase models from size 45 to size 56. IP54 protection. 1 or 2 speeds. depending on model.
- Single-phase 230V-50Hz and three-phase 230/400V-50Hz (up to 4kW) and 400/690V-50Hz (powers greater than 4kW).
- Operating temperature: -25°C +50°C.

Finish:

- Anticorrosive finish of polyester resin polymerised at 190°C. previously degreased with phosphate-free nanotechnological treatment.

On request:

- Motor-rotor air flow direction.
- Rotors 100% reversible.
- Special windings for different voltages.

TECHNICAL SPECIFICATIONS

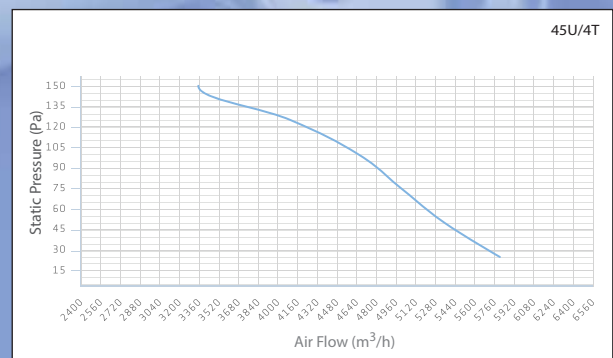
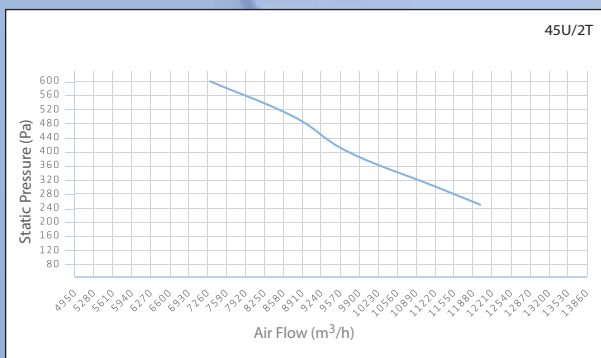
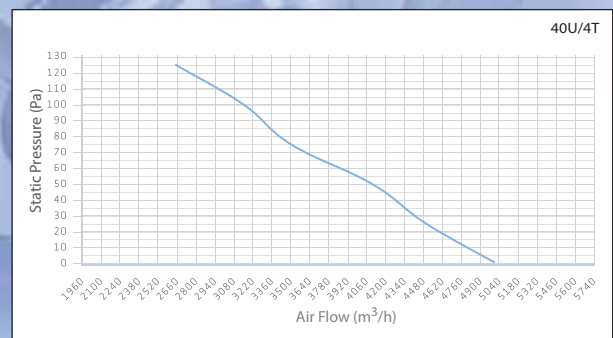
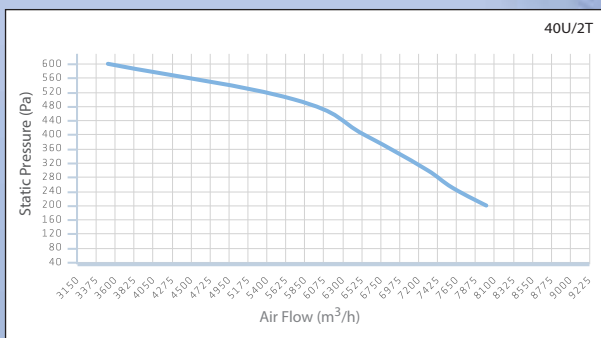
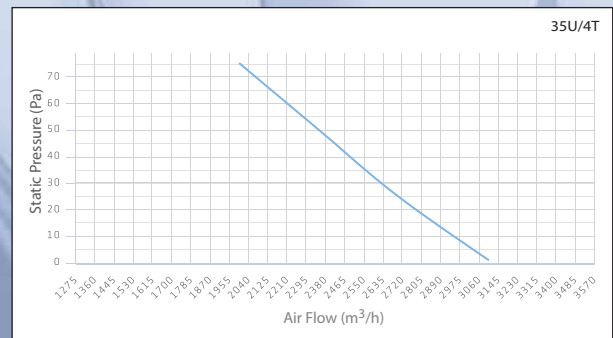
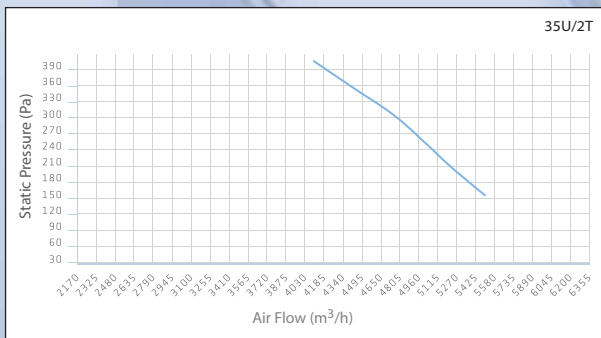
MODEL	AIR FLOW(m ³ /h)	Watt	SOUND (dBA)	RPM
35U/4.T	3100	0,18	72	1450
40U/4.T	5000	0,25	76	1450
45U/4.T	5800	0,37	78	1450
50U/4.T	7000	0,55	79	1450
56U/4.T	9000	0,55	80	1450
63U/4.T	11500	0,75	81	1450
63U/4.T1	14000	1,50	85	1450
63U/4.T2	17000	2,20	88	1450
63U/4.T3	22000	3,00	92	1450
35U/2.T	5500	1,10	89	2950
40U/2.T	8000	1,50	92	2950
45U/2.T	11000	3,00	95	2950
50U/2.T	14000	4,00	96	2950
63U/2.T	22700	7,50	98	2950
71U/4.T	24000	4,00	91	1450
80U/4.T	28000	5,50	92	1450
80U/4.T1	33000	7,50	96	1450
90U/4.T	29000	3,00	89	1450
90U/4.T1	40000	7,50	96	1450
100U/4.T	43000	7,50	93	1450
100U/4.T1	50000	11,00	97	1450
125U/4.T	61000	15,00	95	1450
125U/4.T1	88000	30,00	101	1450

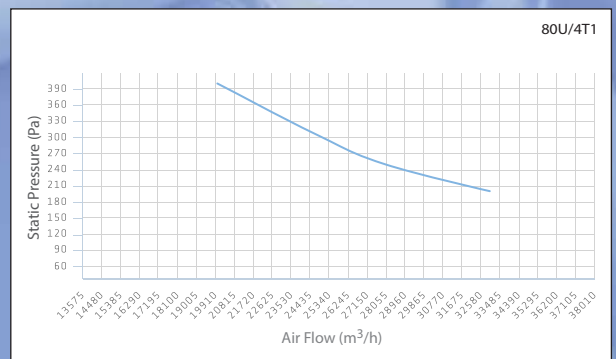
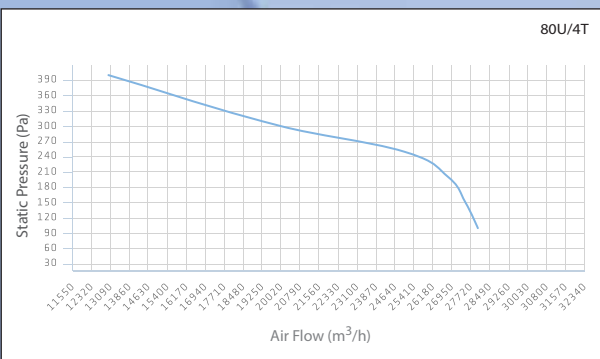
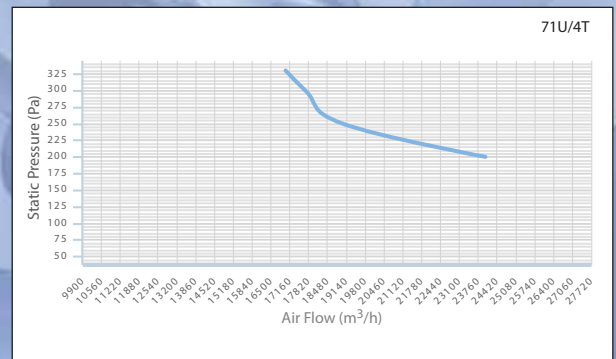
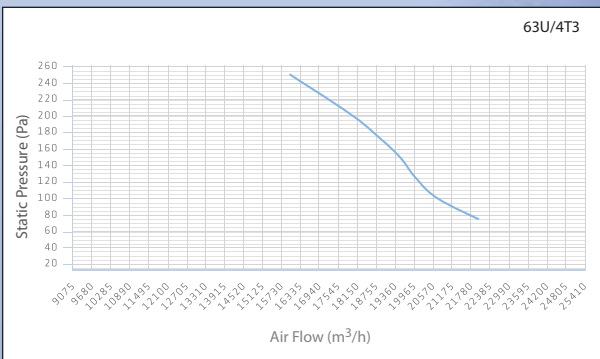
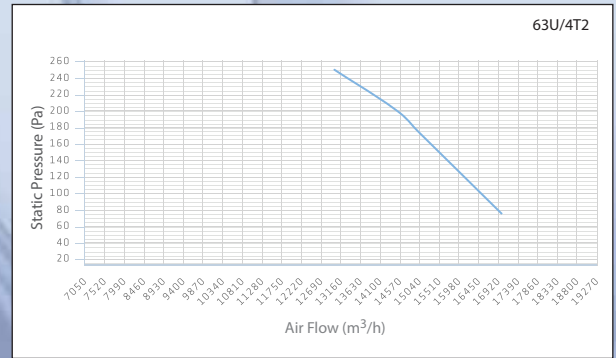
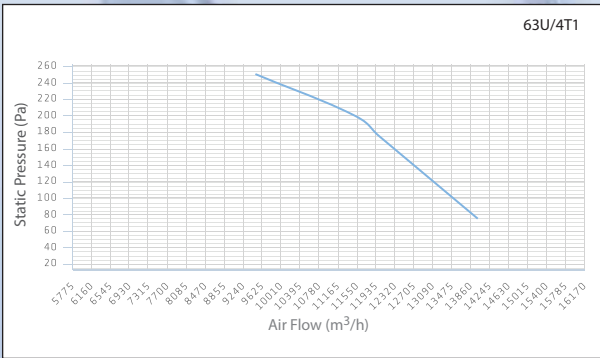
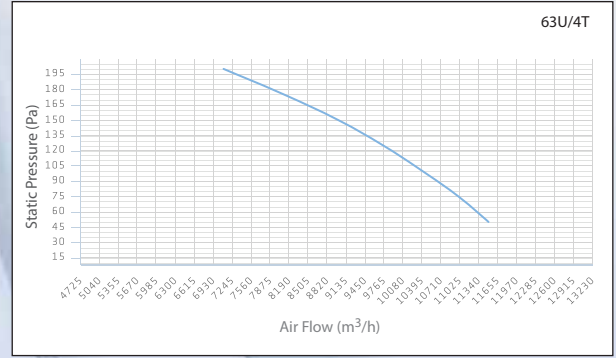
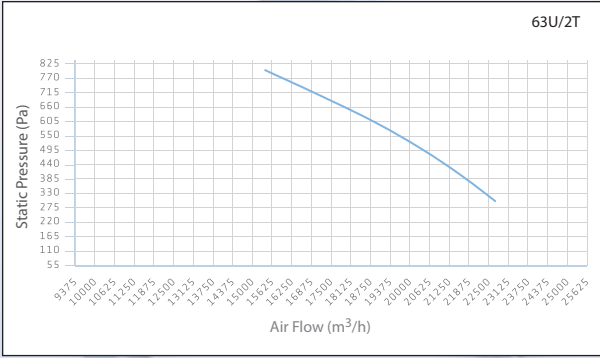
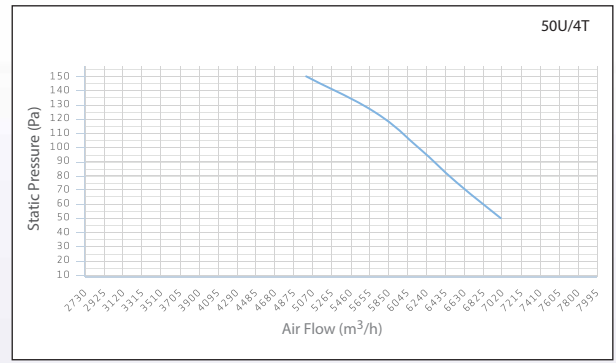
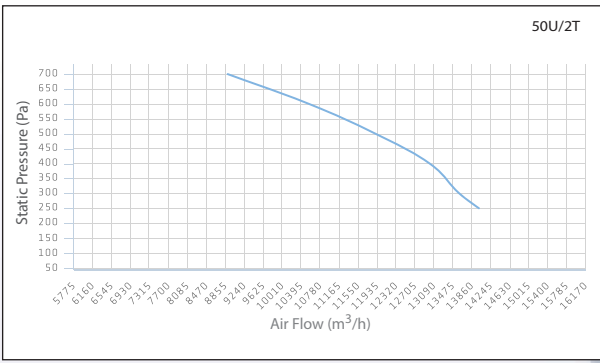
AIR FLOW PERFORMANCE DATA

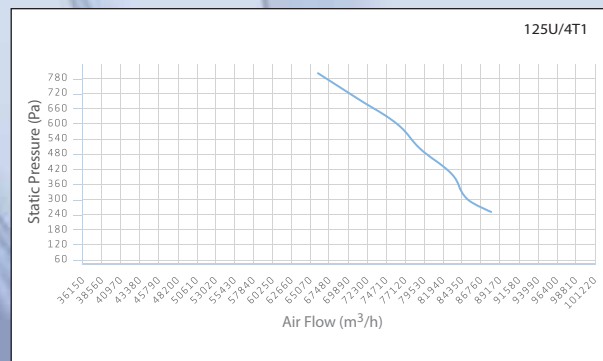
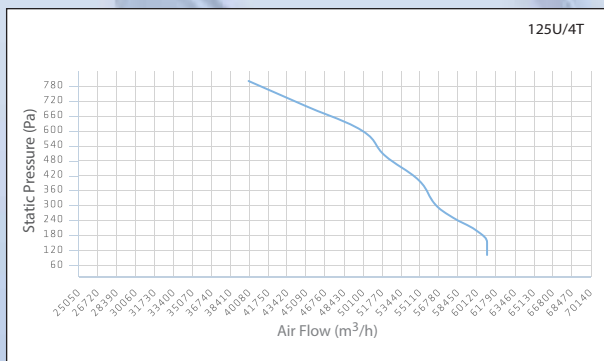
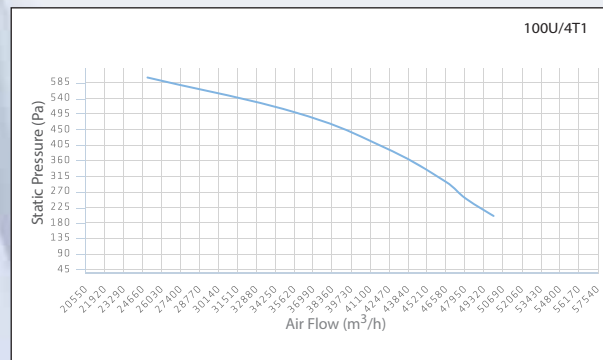
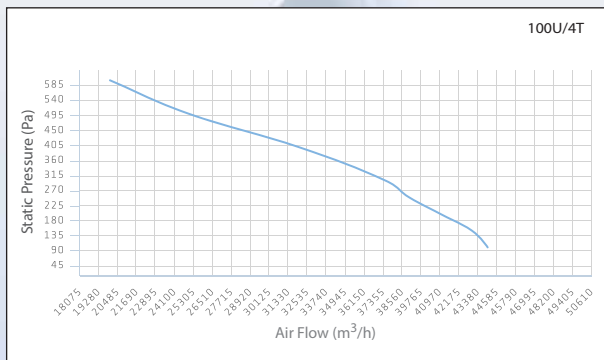
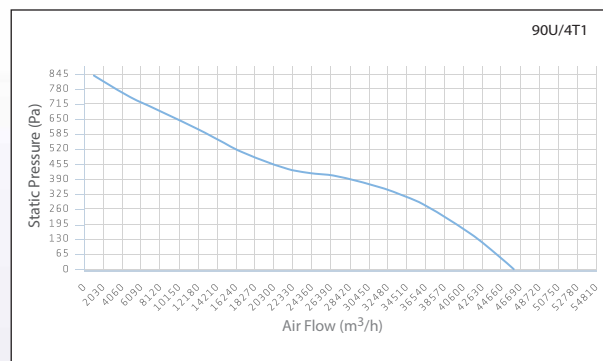
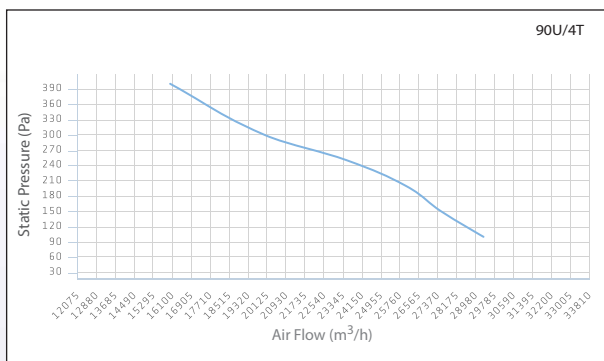
MODEL	AIR FLOW PERFORMANCE DATA / PA / (m ³ /h)									
	0	25	50	75	100	125	150	175	200	250
35U/4.T	3100	2700	2350	2000	-	-	-	-	-	-
40U/4.T	5000	4500	4100	3500	3150	2650	-	-	-	-
45U/4.T	-	5800	5350	5000	4650	4100	3350	-	-	-
50U/4.T	-	-	7000	6550	6150	5700	5000	-	-	-
63U/4.T	-	-	11500	11000	10400	9750	9000	8100	7100	-
63U/4.T1	-	-	-	14000	13500	13000	12500	12000	11500	9500
63U/4.T2	-	-	-	17000	16500	16000	15500	15000	14500	13000
63U/4.T3	-	-	-	22000	20500	20000	19500	18800	18000	16000

AIR FLOW PERFORMANCE DATA

2800 d/d	AIR FLOW PERFORMANCE DATA / PA / (m ³ /h)									
	100	150	200	259	300	400	500	600	700	800
35U/2.T	-	5500	5235	5000	4750	4100	-	-	-	-
40U/2.T	-	-	8000	7600	7300	6550	5710	3510	-	-
45U/2.T	-	-	-	11000	10400	9700	8750	7300	-	-
50U/2.T	-	-	-	14000	13600	13000	11900	10550	8900	-
63U/2.T	-	-	-	-	22700	21600	20350	18900	17200	15400
71U/4.T	-	-	24000	19000	16000	-	-	-	-	-
80U/4.T	28000	28000	26500	25000	20000	13000	-	-	-	-
80U/4.T1	-	-	33000	28000	25000	20000	-	-	-	-
90U/4.T	29000	29000	26000	23500	20000	16000	-	-	-	-
90U/4.T1	-	-	40000	37000	34000	27500	-	-	-	-
100U/4.T	43000	43000	41000	39000	37500	32000	25000	20000	-	-
100U/4.T1	-	-	50000	48000	46500	42000	35600	25000	-	-
125U/4.T	61000	61000	60000	58000	56500	55000	52000	50000	45000	40000
125U/4.T1	-	-	-	88000	85000	83000	79000	76000	71000	66000

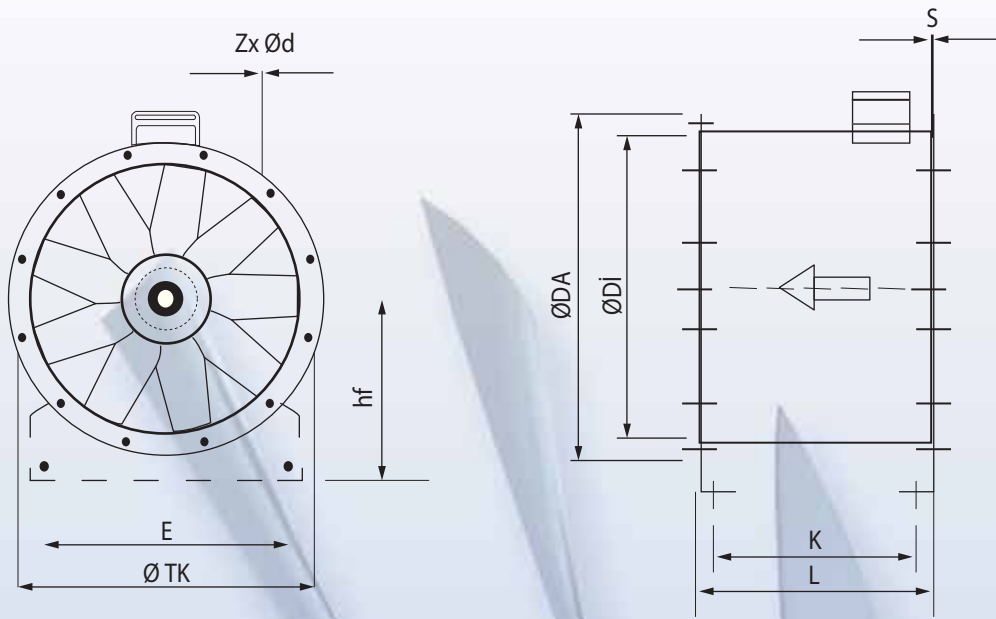






DIMENSIONS

MODEL	DIMENSIONS / mm						
	ØDi	ØTK	ØDA	ZxØ	L	S	hf
AIT 25U	252	295	332	8 x 10	500	2	176
AIT 28U	283	322	363	8 x 10	500	2	192
AIT 31U	315	356	395	8 x 10	500	2	208
AIT 35U	355	395	435	8 x 10	500	2	228
AIT 40U	400	450	480	8 x 12	500	2	270
AIT 45U	450	500	530	8 x 12	500	3	295
AIT 50U	500	560	590	12 x 12	500	3	320
AIT 63U	630	690	730	14 x 12	500	3	385
AIT 71U	710	770	810	16 x 14	500	3	425
AIT 80U	800	860	900	16 x 14	500	3	470
AIT 90U	900	970	1000	16 x 15	500	4	550
AIT 100U	1000	1070	1100	16 x 15	500	4	600
AIT 112U	1120	1190	1220	24 x 15	750	4	760
AIT 125U	1250	1320	1370	24 x 15	750	6	725



ACCESSORIES CONNECTION DIAGRAMS

