

TSA TSAT CJTSA

TSA: Single inlet, belt-driven centrifugal fans with shaft outlet and forward-curved impeller.

TSAT: Single inlet, belt-driven centrifugal fans fitted with electric motors, a set of pulleys and belts, protectors and forward-curved impeller.

CJTSA: Ventilation units with forward-curved impeller and acoustic insulation, fitted with TSA series fans mounted on rubber shock-absorbers.



TSA



TSAT



CJTSA

Fan:

- Galvanised sheet steel casing.
- Forward-curved impeller made of galvanised sheet steel.
- Galvanised sheet steel structure with thermal and acoustic insulation (CJTSA).
- Cable gland for cable inlet (CJTSA).

Motor:

- IE3 efficiency motors for powers equal to or greater than 0.75 kW except single-phase, 2-speed and 8-pole.
- Class F motors with ball bearings and IP55 protection.
- Three-phase 230/400 V-50 Hz (up to 4 kW) and 400/690 V-50 Hz (powers higher than 4 kW).
- Maximum temperature of air to be carried: TSA and TSAT: -20 °C +85 °C CJTSA: -20 °C + 60 °C

Finish:

- Anti-corrosive finish on galvanised sheet steel.

On request:

- Different outlet nozzle positions.
- Special windings for different voltages.
- With 2-speed motors.

Order code

TSA — 22/11



TSA: Single inlet centrifugal fans with free shaft outlets.



Impeller size

CJTSA — 22/11 — 3



TSAT: Single inlet, belt-driven centrifugal fans fitted with electric motors.

CJTSA: Ventilation units with a forward-curved impeller.



Impeller size in inches



Motor power (HP)

Technical characteristics

Model	Max. speed	Max. installed power	Max. flow rate	Air temperature (°C)		Approx. weight	According to ErP
	(r/min)	(kW)	(m ³ /h)	min.	max.	(kg)	
TSA-12/6	1500	2.20	4800	-20	85	17.5	2015
TSA-15/7	1050	3.00	7400	-20	85	22.5	2015
TSA-18/9	920	4.00	10500	-20	85	33.0	2015
TSA-20/10	850	5.50	15000	-20	85	71.0	2015
TSA-22/11	1000	18.50	26000	-20	85	80.0	2015
TSA-25/13	810	18.50	32000	-20	85	93.0	2015
TSA-30/14	600	18.50	38000	-20	85	125.0	2015

Technical characteristics

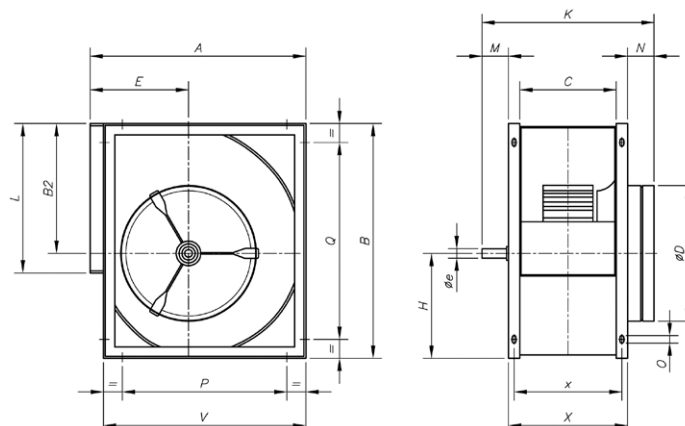
Model			Speed	Maximum admissible current (A)			Installed power	Maximum flow rate	Sound pressure level	Approx. weight	According to ErP
			(r/min)	230 V	400 V	690 V	(kW)	(m ³ /h)	(dBA)	(kg)	
TSAT	CJTSA	12/6-0.75	1000	2.64	1.52		0.55	2600	69	73	2015
TSAT	CJTSA	12/6-1 IE3	1100	2.82	1.62		0.75	3100	71	75	2015
TSAT	CJTSA	12/6-1.5 IE3	1250	4.07	2.34		1.10	3500	74	81	2015
TSAT	CJTSA	12/6-2 IE3	1300	5.41	3.11		1.50	4250	77	88	2015
TSAT	CJTSA	12/6-3 IE3	1500	7.93	4.56		2.20	4800	79	86	2015
TSAT	CJTSA	15/7-1 IE3	800	2.82	1.62		0.75	4000	67	93	2015
TSAT	CJTSA	15/7-1.5 IE3	850	4.07	2.34		1.10	4800	69	99	2015
TSAT	CJTSA	15/7-2 IE3	920	5.41	3.11		1.50	5400	72	106	2015
TSAT	CJTSA	15/7-3 IE3	1000	7.93	4.56		2.20	6400	75	104	2015
TSAT	CJTSA	15/7-4 IE3	1050	10.70	6.15		3.00	7400	77	111	2015
TSAT	CJTSA	18/9-1.5 IE3	750	4.07	2.34		1.10	5800	68	115	2015
TSAT	CJTSA	18/9-2 IE3	790	5.41	3.11		1.50	6600	70	122	2015
TSAT	CJTSA	18/9-3 IE3	800	7.93	4.56		2.20	8200	74	120	2015
TSAT	CJTSA	18/9-4 IE3	850	10.70	6.15		3.00	9000	76	127	2015
TSAT	CJTSA	18/9-5.5 IE3	920	13.90	8.00		4.00	10500	78	127	2015
TSAT	CJTSA	20/10-2 IE3	650	5.41	3.11		1.50	8100	65	211	2015
TSAT	CJTSA	20/10-3 IE3	690	7.93	4.56		2.20	10100	68	209	2015
TSAT	CJTSA	20/10-4 IE3	750	10.70	6.15		3.00	11500	70	216	2015
TSAT	CJTSA	20/10-5.5 IE3	790	13.90	8.00		4.00	13100	73	216	2015
TSAT	CJTSA	20/10-7.5 IE3	850		10.30	5.97	5.50	15000	75	250	2015
TSAT	CJTSA	22/11-3 IE3	580	7.93	4.56		2.20	11200	67	220	2015
TSAT	CJTSA	22/11-4 IE3	610	10.70	6.15		3.00	13000	70	227	2015
TSAT	CJTSA	22/11-5.5 IE3	650	13.90	8.00		4.00	15000	72	227	2015
TSAT	CJTSA	22/11-7.5 IE3	690		10.30	5.97	5.50	17000	74	261	2015
TSAT	CJTSA	22/11-10 IE3	750		13.90	8.06	7.50	19000	76	262	2015
TSAT	CJTSA	22/11-15 IE3	830		20.90	12.10	11	22000	79	298	2015
TSAT	CJTSA	22/11-20 IE3	910		27.90	16.20	15.00	24500	81	309	2015
TSAT	CJTSA	22/11-25 IE3	1000		35.10	20.30	18.5	26000	83	354	2015
TSAT	CJTSA	25/13-4 IE3	520	10.70	6.15		3.00	14000	62	259	2015
TSAT	CJTSA	25/13-5.5 IE3	550	13.90	8.00		4	17000	65	259	2015
TSAT	CJTSA	25/13-7.5 IE3	590		10.30	5.97	5.50	19500	67	293	2015
TSAT	CJTSA	25/13-10 IE3	620		13.90	8.06	7.5	23000	70	294	2015
TSAT	CJTSA	25/13-15 IE3	690		20.90	12.10	11.00	26500	74	330	2015
TSAT	CJTSA	25/13-20 IE3	750		27.90	16.20	15.00	29500	75	341	2015
TSAT	CJTSA	25/13-25 IE3	810		35.10	20.30	18.50	32000	77	386	2015
TSAT	CJTSA	30/14-5.5 IE3	400	13.90	8.00		4	21000	69	333	2015
TSAT	CJTSA	30/14-7.5 IE3	425		10.30	5.97	5.5	24000	72	367	2015
TSAT	CJTSA	30/14-10 IE3	460		13.90	8.06	7.5	27500	74	368	2015
TSAT	CJTSA	30/14-15 IE3	500		20.90	12.10	11	33000	77	404	2015
TSAT	CJTSA	30/14-20 IE3	550		27.90	16.20	15	36500	78	415	2015
TSAT	CJTSA	30/14-25 IE3	600		35.10	20.30	18.5	38000	81	460	2015

**Erp. (Energy Related Products)**

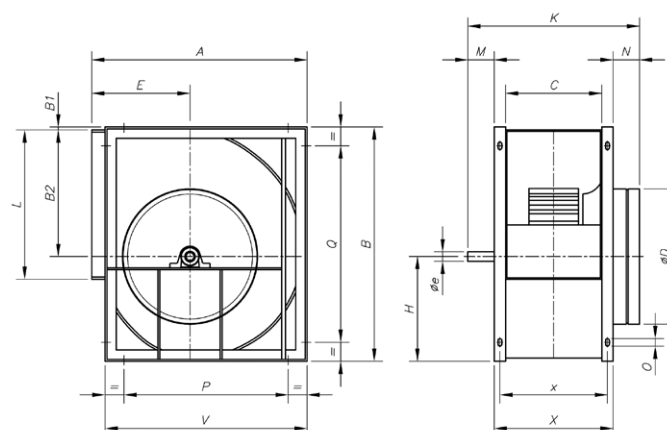
Information on Directive 2009/125/EC can be downloaded from the SODECA website or the QuickFan selector programme.

Dimensions mm

TSA



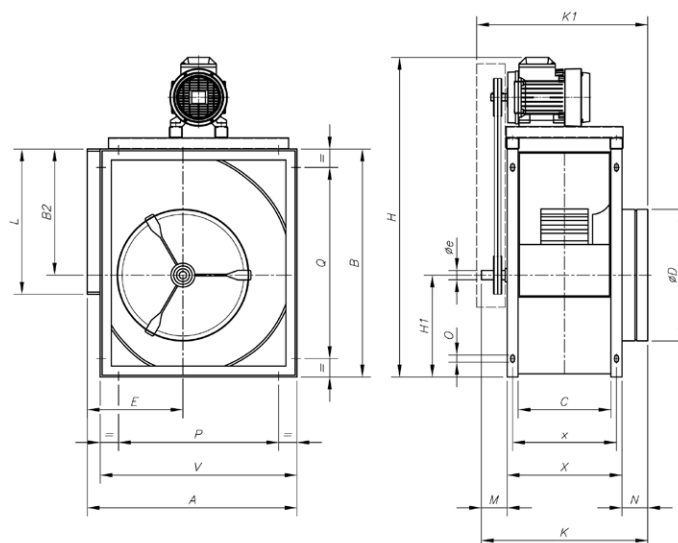
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TSA-12/6	498	532	290	210	325	230	25	242	435	345	75	90	9x17	324	324	468	270	242
TSA-15/7	583	632	348	269	400	265	25	284	494	404	75	90	9x17	406	406	553	329	301
TSA-18/9	694	756	415	301	475	323	25	341	526	482	75	90	9x17	520	608	664	361	333



	A	B	B1	B2	C	øD	E	øe	H	K	L	M	N	O	P	Q	V	X	x
TSA-20/10	843	963	35	523	330	575	375	35	440	620	603	100	110	9x17	646	811	798	410	370
TSA-22/11	913	1046	35	569	358	615	400	35	477	648	693	100	110	9x17	716	894	868	438	398
TSA-25/13	998	1161	35	642	412	695	423	35	519	701	793	100	110	9x17	801	1009	953	492	452
TSA-30/14	1206	1400	35	776	474	835	515	40	624	764	933	100	110	9x17	1009	1248	1161	554	514

Dimensions mm

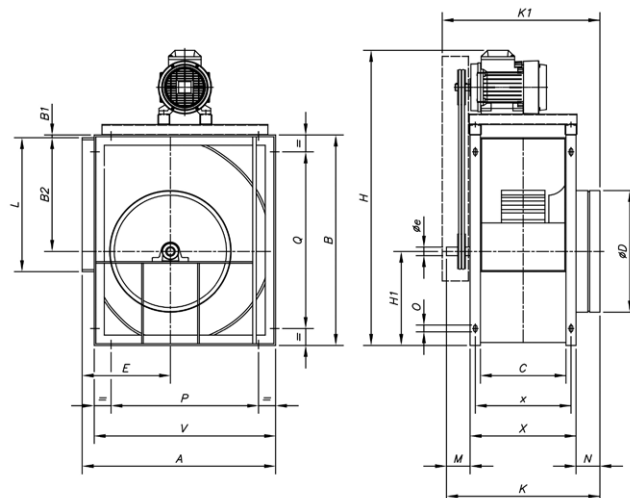
TSAT
Standard
supply RD 90



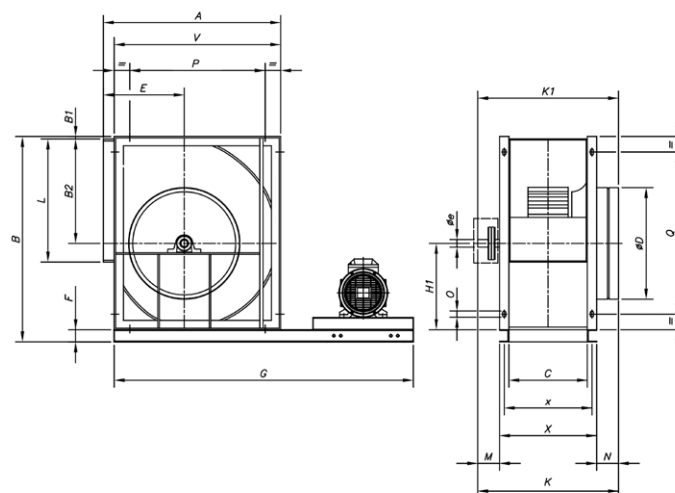
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TSAT-12/6-0.75	498	532	290	210	325	230	25	805	242	435	475	345	75	90	9x17	324	324	468	270	242
TSAT-12/6-1	498	532	290	210	325	230	25	805	242	435	475	345	75	90	9x17	324	324	468	270	242
TSAT-12/6-1.5	498	532	290	210	325	230	25	825	242	435	475	345	75	90	9x17	324	324	468	270	242
TSAT-12/6-2	498	532	290	210	325	230	25	825	242	435	475	345	75	90	9x17	324	324	468	270	242
TSAT-12/6-3	498	532	290	210	325	230	25	845	242	435	475	345	75	90	9x17	324	324	468	270	242
TSAT-15/7-1	583	632	348	269	400	265	25	905	284	494	535	404	75	90	9x17	406	406	553	329	301
TSAT-15/7-1.5	583	632	348	269	400	265	25	925	284	494	535	404	75	90	9x17	406	406	553	329	301
TSAT-15/7-2	583	632	348	269	400	265	25	925	284	494	535	404	75	90	9x17	406	406	553	329	301
TSAT-15/7-3	583	632	348	269	400	265	25	945	284	494	535	404	75	90	9x17	406	406	553	329	301
TSAT-15/7-4	583	632	348	269	400	265	25	945	284	494	535	404	75	90	9x17	406	406	553	329	301
TSAT-18/9-1.5	694	756	415	301	475	323	25	1050	341	526	566	482	75	90	9x17	520	608	664	361	333
TSAT-18/9-2	694	756	415	301	475	323	25	1050	341	526	566	482	75	90	9x17	520	608	664	361	333
TSAT-18/9-3	694	756	415	301	475	323	25	1070	341	526	566	482	75	90	9x17	520	608	664	361	333
TSAT-18/9-4	694	756	415	301	475	323	25	1070	341	526	566	482	75	90	9x17	520	608	664	361	333
TSAT-18/9-5.5	694	756	415	301	475	323	25	1095	341	526	566	482	75	90	9x17	520	608	664	361	333

Dimensions mm

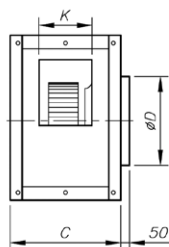
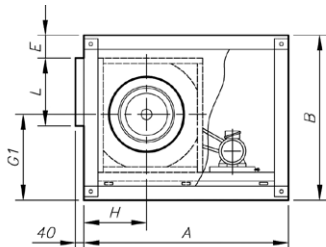
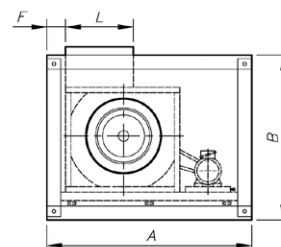
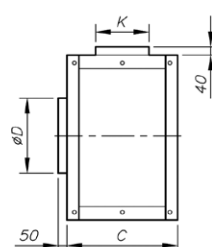
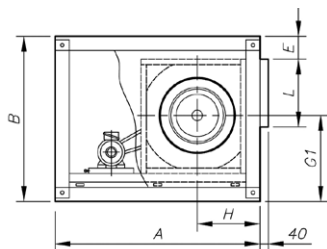
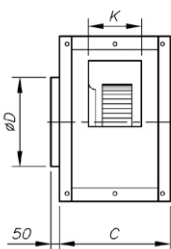
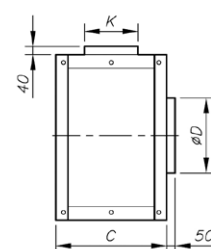
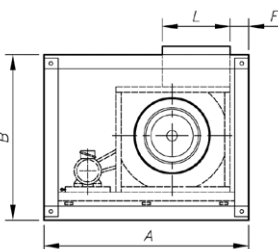
TSAT
Standard
supply RD 90



	A	B	B1	B2	C	øD	E	øe	H	H1	K	K1	L	M	N	O	P	Q	V	X	x
TSAT-20/10-2	843	963	35	523	330	575	375	35	1255	440	620	670	603	100	110	9x17	646	811	798	410	370
TSAT-20/10-3	843	963	35	523	330	575	375	35	1275	440	620	670	603	100	110	9x17	646	811	798	410	370
TSAT-20/10-4	843	963	35	523	330	575	375	35	1275	440	620	670	603	100	110	9x17	646	811	798	410	370
TSAT-20/10-5'5	843	963	35	523	330	575	375	35	1300	440	620	670	603	100	110	9x17	646	811	798	410	370
TSAT-22/11-3	913	1046	35	569	358	615	400	35	1355	477	648	700	693	100	110	9x17	716	894	868	438	398
TSAT-22/11-4	913	1046	35	569	358	615	400	35	1355	477	648	700	693	100	110	9x17	716	894	868	438	398
TSAT-22/11-5'5	913	1046	35	569	358	615	400	35	1280	477	648	700	693	100	110	9x17	716	894	868	438	398
TSAT-25/13-4	998	1161	35	642	412	695	423	35	1470	519	701	750	793	100	110	9x17	801	1009	953	492	452
TSAT-25/13-5'5	998	1161	35	642	412	695	423	35	1495	519	701	750	793	100	110	9x17	801	1009	953	492	452
TSAT-30/14-5'5	1206	1400	35	776	474	835	515	40	1735	624	764	815	933	100	110	9x17	1009	1248	1161	554	514



	A	B	B1	B2	C	øD	E	F	G	øe	H	H1	K	K1	L	M	N	O	P	Q	V	X	x
TSAT-20/10-7.5	843	963	35	523	330	575	375	35	1350	35	1340	440	620	670	603	100	110	9x17	646	811	798	410	370
TSAT-22/11-7.5	913	1046	35	569	358	615	400	35	1435	35	1420	477	648	700	693	100	110	9x17	716	894	868	438	398
TSAT-22/11-10	913	1046	35	569	358	615	400	35	1435	35	1420	477	648	700	693	100	110	9x17	716	894	868	438	398
TSAT-22/11-15	913	1046	35	569	358	615	400	35	1435	35	1480	477	648	700	693	100	110	9x17	716	894	868	438	398
TSAT-22/11-20	913	1046	35	569	358	615	400	35	1435	35	1480	477	648	700	693	100	110	9x17	716	894	868	438	398
TSAT-22/11-25	913	1046	35	569	358	615	400	35	1435	35	1565	477	648	700	693	100	110	9x17	716	894	868	438	398
TSAT-25/13-7.5	998	1161	35	642	412	695	423	35	1515	35	1540	519	701	750	793	100	110	9x17	801	1009	953	492	452
TSAT-25/13-10	998	1161	35	642	412	695	423	35	1515	35	1540	519	701	750	793	100	110	9x17	801	1009	953	492	452
TSAT-25/13-15	998	1161	35	642	412	695	423	35	1515	35	1565	519	701	750	793	100	110	9x17	801	1009	953	492	452
TSAT-25/13-20	998	1161	35	642	412	695	423	35	1515	35	1565	519	701	750	793	100	110	9x17	801	1009	953	492	452
TSAT-25/13-25	998	1161	35	642	412	695	423	35	1515	35	1680	519	701	750	793	100	110	9x17	801	1009	953	492	452
TSAT-30/14-7.5	1206	1400	35	776	474	835	515	35	1765	40	1775	624	764	815	933	100	110	9x17	1009	1248	1161	554	514
TSAT-30/14-10	1206	1400	35	776	474	835	515	35	1765	40	1775	624	764	815	933	100	110	9x17	1009	1248	1161	554	514
TSAT-30/14-15	1206	1400	35	776	474	835	515	35	1765	40	1835	624	764	815	933	100	110	9x17	1009	1248	1161	554	514
TSAT-30/14-20	1206	1400	35	776	474	835	515	35	1765	40	1835	624	764	815	933	100	110	9x17	1009	1248	1161	554	514
TSAT-30/14-25	1206	1400	35	776	474	835	515	35	1765	40	1925	624	764	815	933	100	110	9x17	1009	1248	1161	554	514

Dimensions mm**CJTSA****Standard supply horizontal impulsion (H) RD-90****Vertical impulsion on request (V) RD-0****Horizontal impulsion on request (H) LG-90****Vertical impulsion on request (V) LG-0**

with bench with bench with bench with bench

	A	B	C	ØD	E	E	F	G1	G1	H	L	L	K
CJTSA-12/6-H	850	650	540	330	74	-	-	288	-	288	346	-	210
CJTSA-12/6-V	850	650	540	330	-	-	30	318	-	328	346	-	210
CJTSA-15/7-H	1000	755	600	400	74	-	-	328	-	328	411	-	270
CJTSA-15/7-V	1000	755	600	400	-	-	30	378	-	383	411	-	270
CJTSA-18/9-H	1200	875	620	480	74	-	-	383	-	388	491	-	305
CJTSA-18/9-V	1200	875	620	480	-	-	30	433	-	448	491	-	305
CJTSA-20/10-H	1485	1175	730	565	175	120	-	475	530	440	613	605	343
CJTSA-20/10-V	1485	1175	730	565	-	-	75	535	-	585	613	-	343
CJTSA-22/11-H	1570	1250	760	615	165	110	-	510	565	470	708	700	373
CJTSA-22/11-V	1570	1250	760	615	-	-	75	570	-	640	708	-	373
CJTSA-25/13-H	1610	1375	820	685	175	120	-	550	605	495	803	795	423
CJTSA-25/13-V	1610	1375	820	685	-	-	75	625	-	705	803	-	423
CJTSA-30/14-H	1845	1600	855	820	160	95	-	655	710	580	943	935	488
CJTSA-30/14-V	1845	1600	855	820	-	-	75	760	-	825	943	-	488