

Construction

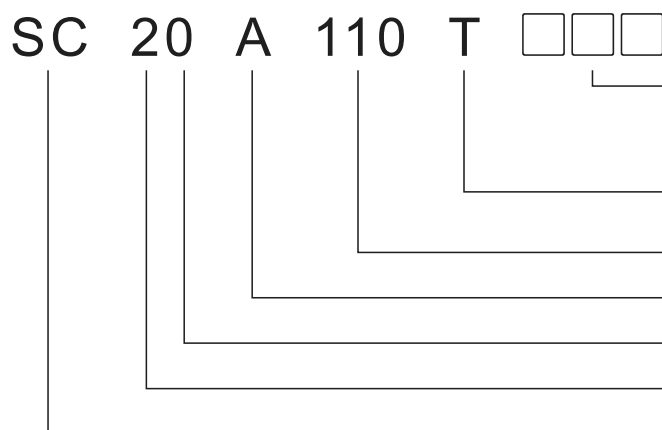
Direct driven side channel blowers designed for oil free conveying on non explosive and non aggressive medium. These blowers are suitable for either pressure or vacuum systems. All blower parts are of cast aluminium, highly resistant to corrosion. Silencer on the discharge- and intake side is standard. The blowers are suitable for mounting in a vertical or horizontal position. V-belt driven blowers or blowers with customer adjusted capacity can be supplied on request.

Motor

220-240/380-420V, 50Hz (380-420/660-690V over 3kW) three-phase or 220-240V, 50Hz single-phase asynchronous motor with capacitor. Insulation class F, enclosure IP55. Special voltage or frequency, improved enclosure IP65, 2-speed motors and explosion proof motors can be supplied on request. Wiring diagram, see page 179.

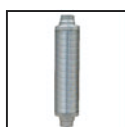
The performance curves hold with a tolerance of $\pm 10\%$ for pressure and $\pm 10\%$ for air flow and at an inlet temperature of $+15^\circ\text{C}$, at an atmospheric pressure of 1013 mbar and at an ambient temperature of 25°C . We reserve the right for construction- and capacity changes without prior notice. We take no responsibility what so ever for any printing errors in the catalogue. Unbroken curves hold at continuous running and with an ambient temperature of max. $+40^\circ\text{C}$. If higher pressure/vacuum is required, 2-step designs or belt drive are recommended..

Model numbering system



Special versions	
1 - without silencer	
2 - with customer adjusted silencer	
3 - non standard voltage	e.g. 500 V, 60 Hz, EExe, etc
T - three-phase	230 Δ / 400 Y V, 50 Hz resp 400 Y / 690 Δ
S - single-phase	230 V, 50 Hz
Power rate	1.1 kW x 100=110
Capacity level	A, B, C etc K - customer adjusted capacity
Arrangement	0 - direct drive; 5 - V-belt drive
Size rate	1, 2, 3, 4, 5
Type - Side channel blower	

Accessories (see page 168)



Silencer with connector



Connector



Welding flange



Threaded flange

Side channel blowers three-phase

Type	Motor power	Voltage	Maximum current	Maximum duty	Sound level**	Weight	Article number
	kW	V	A	m³/h	dB (A)	kg	
SC10A-037T	0,37	230 Δ / 400 Y	1,76 Δ / 1,02 Y	110	70	15,0	113 750 120
SC10A-055T*	0,55	230 Δ / 400 Y	2,35 Δ / 1,35 Y	110	70	16,0	113 750 125
SC10C-055T	0,55	230 Δ / 400 Y	2,35 Δ / 1,35 Y	110	72	16,0	113 750 130
SC10C-075T	0,75	230 Δ / 400 Y	3,3 Δ / 1,9 Y	110	72	18,5	113 750 135
SC20A-110T*	1,10	230 Δ / 400 Y	4,3 Δ / 2,5 Y	190	75	22,0	113 750 185
SC20A-150T	1,50	230 Δ / 400 Y	5,9 Δ / 3,4 Y	190	77	24,5	113 750 190
SC20C-110T	1,10	230 Δ / 400 Y	4,5 Δ / 2,5 Y	190	75	22,0	113 750 200
SC20C-150T*	1,50	230 Δ / 400 Y	5,9 Δ / 3,4 Y	190	77	24,5	113 750 205
SC30A-220T*	2,20	230 Δ / 400 Y	8,0 Δ / 4,6 Y	320	78	36,0	113 750 270
SC30A-300T	3,00	230 Δ / 400 Y	11,3 Δ / 6,5 Y	320	80	40,0	113 750 272
SC30C-220T	2,20	230 Δ / 400 Y	8,0 Δ / 4,6 Y	320	78	36,0	113 750 275
SC30C-300T*	3,00	230 Δ / 400 Y	11,3 Δ / 6,5 Y	320	81	40,0	113 750 283
SC40A-400T	4,00	400 Δ / 690 Y	7,8 Δ	650	82	67,0	113 750 325
SC40A-550T*	5,50	400 Δ / 690 Y	10,6 Δ	650	84	70,0	113 750 330
SC40A-750T*	7,50	400 Δ / 690 Y	14,0 Δ	650	85	73,0	113 750 335
SC40C-550T*	5,50	400 Δ / 690 Y	10,6 Δ	650	84	70,0	113 750 350
SC40C-750T*	7,50	400 Δ / 690 Y	14,0 Δ	650	86	73,0	113 750 352
SC50A-750T	7,50	400 Δ / 690 Y	14,0 Δ	1100	82	126,0	113 750 400
SC50A-1100T*	11,00	400 Δ / 690 Y	21,2 Δ	1100	84	128,0	113 750 411
SC50A-1500T	15,00	400 Δ / 690 Y	27,2 Δ	1100	87	155,0	113 750 420
SC50C-750T	7,50	400 Δ / 690 Y	14,0 Δ	1100	84	126,0	113 750 450
SC50C-1100T*	11,00	400 Δ / 690 Y	21,2 Δ	1100	86	128,0	113 750 455
SC50C-1500T	15,00	400 Δ / 690 Y	28,0 Δ	1100	88	155,0	113 750 460

** - with silencer

Side channel blowers single-phase

SC10A-037S	0,37	230	2,9	110	70	18,0	113 750 150
SC10A-055S*	0,55	230	4,0	110	70	19,0	113 750 155
SC10C-055S	0,55	230	4,0	110	72	19,0	113 750 160
SC10C-075S	0,75	230	5,2	110	72	21,5	113 750 165
SC20A-110S*	1,10	230	7,9	190	75	25,0	113 750 225
SC20A-150S	1,50	230	8,7	190	77	26,0	113 750 230
SC20C-110S	1,10	230	7,9	190	75	25,0	113 750 235
SC20C-150S	1,50	230	8,7	190	77	26,0	113 750 240
SC30A-220S	2,20	230	14,0	320	78	39,0	113 750 290

* - in stock

