

S 80 Ceiling-mounted fan heaters

S 80 fan heaters are designed to be ceiling mounted and deliver a vertical air flow. The series comprises 16 models that utilise hot or superheated water. 9 models can also work with steam.

S 80 fan heaters are characterised by high air flow rates and installation heights which, together with their low-noise operation, make them ideal for medium-sized and large interiors such as warehouses, factories, showrooms, etc..

On request S80 fan heaters can be supplied complete with a **drip tray**. Thanks to this engineering solution, the heat exchanger can also be supplied with chilled water, an effective and economical method for cooling interiors in summertime.

The minimum temperature of incoming water is 8 °C:

Do not use the fan heaters for cooling at the speed of 1400 rpm (4 poles). The installation height should always be determined according to heating requirements.

If possible, use anemostat or truncated cone diffusers for a better distribution of air.

Constructive features

Heat exchanger: made up of copper tubing and aluminium fins, steel plumbing connections. Thanks to the heat exchanger circuits (all circuits are parallel), 9 models of the S80 series can also utilise steam at low pressure (maximum 6 bars). The steam-compatible models are: S610, S620, S630, S810, S820, S830, S840, S1110, S1120

Fan: dynamically and statically balanced axial-flow fan built from sparkproof aluminium, directly keyed to the motor.

Motor: three-phase asynchronous, closed type, with protection rating IP 44 and class B windings, one or two speeds:

for models from S 610 to S 841

- 4 poles (1400 rpm)
- 6 poles (900 rpm)
- 4/8 poles (1400-700 rpm) **for models S 1110 and S 1120**
- 6 poles (900 rpm)
- 8 poles (700 rpm)
- 6/8 poles (900-700 rpm)

on request, motors with the following features may be supplied:

- 230 V single-phase power supply with permanently switched on capacitor
- protection rating IP 55
- tropicalized construction
- EEx-d IIB T3 flameproof construction
- two-speed 4/6-pole motors

The motor is set in an upright position inside a sheet steel cone that shields it from the heat radiated by the exchanger.

Accessories

The diffusers available as accessories provide even, optimal distribution of heated air throughout the room.

- **Truncated cone diffuser**
- **Anemostat diffuser**
- **Diffuser with adjustable flaps**



RATED TECHNICAL DATA WATER OPERATION

S 80	fan speed operation	Heating capacity	Air flow	Sound pressure level
	rpm	kW	m ³ /h	dB/A
S 610/4	1400	14,48	2600	57
S 610/6	900	10,95	1750	47
S 610/8	700	9,41	1300	41
S 611/4	1400	16	2600	57
S 611/6	900	12,12	1750	47
S 611/8	700	10,4	1300	41
S 620/4	1400	19,24	2600	59
S 620/6	900	14,57	1750	49
S 620/8	700	12,51	1300	43
S 621/4	1400	21,51	2600	59
S 621/6	900	16,28	1750	49
S 621/8	700	13,98	1300	43
S 630/4	1400	28,37	4200	60
S 630/6	900	21,48	2850	50
S 630/8	700	18,44	2100	44
S 631/4	1400	32,33	4200	60
S 631/6	900	24,47	2850	50
S 631/8	900	21,01	2100	44
S 810/4	1400	38,66	6200	62
S 810/6	900	29,27	4200	55
S 810/8	700	25,13	3100	45
S 811/4	1400	43,63	6200	64
S 811/6	900	33,02	4200	56
S 811/8	700	28,36	3100	46
S 820/4	1400	46,98	6200	64
S 820/6	900	35,56	4200	56
S 820/8	700	30,53	3100	46
S 821/4	1400	51,9	7450	69
S 821/6	900	39,28	5050	58
S 821/8	900	33,73	3725	48
S 830/4	1400	60	7450	68
S 830/6	900	45,41	5050	57
S 830/8	700	39	3725	47
S 831/4	1400	68,29	9150	68
S 831/6	900	51,69	6200	57
S 831/8	900	44,39	4575	47
S 840/4	1400	72,62	9150	68
S 840/6	900	54,95	6200	57
S 840/8	700	47,2	4575	47
S 841/4	1400	78,69	9150	69
S 841/6	900	59,55	6200	58
S 841/8	700	51,15	4575	48
S 1110/6	900	90,12	12200	59
S 1120/6	900	109,88	17500	61

Sound pressure calculated for 4 meters distance and directional factor equal to 2

RATED TECHNICAL DATA STEAM OPERATION

S 80	Fan speed operation	Heating capacity	Air flow	Sound pressure level
	rpm	kW	m ³ /h	dB/A
S 610/4	1400	24,50	2600	57
S 620/4	1400	33,50	2600	59
S 630/4	1400	49,50	4200	60
S 810/4	1400	59,50	6200	62
S 820/4	1400	75,00	6200	64
S 830/4	1400	89,00	7450	68
S 840/4	1400	113,00	9150	68
S 1110/6	900	135,00	12200	59
S 1120/6	900	172,00	17500	61

S80 - fan heaters for ceiling installation						
Code	Model	fan speed RPM	Power supply V-fph-Hz	Air flow m ³ /h	Heating capacity kW	Price list €
4610043	S610/4	1400	230-1-50	2600	14,50	649,86
4610040	S610/4	1400	230/400-3-50	2600	14,50	619,65
4610481	S610/4-8	1400-700	230-3-50	2600-1300	14,5-9,4	686,70
4610483	S610/4-8	1400-700	230-1-50	2600-1300	14,5-9,4	743,47
4610482	S610/4-8	1400-700	400-3-50	2600-1300	14,5-9,4	686,70
4610063	S610/6	900	230-1-50	1750	11,00	705,43
4610060	S610/6	900	230/400-3-50	1750	11,00	645,62
4611043	S611/4	1400	230-1-50	2600	16,00	670,39
4611040	S611/4	1400	230/400-3-50	2600	16,00	640,20
4611481	S611/4-8	1400-700	230-3-50	2600-1300	16 - 10,4	707,84
4611483	S611/4-8	1400-700	230-1-50	2600-1300	16 - 10,4	771,86
4611482	S611/4-8	1400-700	400-3-50	2600-1300	16 - 10,4	707,84
4611063	S611/6	900	230-1-50	1750	12,1	726,56
4611060	S611/6	900	230/400 - 3 - 50	1750	12,1	666,17
4620043	S620/4	1400	230-1-50	2600	19,2	732,00
4620040	S620/4	1400	230/400-3-50	2600	19,2	701,78
4620481	S620/4-8	1400-700	230-3-50	2600-1300	19,2 - 12,5	777,91
4620483	S620/4-8	1400-700	230-1-50	2600-1300	19,2-12,5	824,39
4620482	S620/4-8	1400-700	400-3-50	2600-1300	19,2-12,5	777,91
4620063	S620/6	900	230-1-50	1750	14,6	788,17
4620060	S620/6	900	230/400-3-50	1750	14,6	728,38

Available on request:

- Motors with protection rating IP55 Additional charge 20%
- Tropicalized motors Additional charge 20%
- 4/6 or 6/8 pole motors Additional charge 10% (stand 4/8 poles)
- 6/12 pole motors Additional charge 20% (stand 6 poles)
- Configuration for operation in cooling mode (only for 6 poles models) Additional charge 20%

S80 - fan heaters for ceiling installation

Code	Model	fan speed RPM	Power supply V-fph-Hz	Air flow m ³ /h	Heating capacity kW	Price list €
4621043	S621/4	1400	230-1-50	2600	21,50	752,55
4621040	S621/4	1400	230/400-3-50	2600	21,50	722,94
4621481	S621/4-8	1400-700	230-3-50	2600-1300	21,5-14	793,23
4621483	S621/4-8	1400-700	230-1-50	2600-1300	21,5-14	846,15
4621482	S621/4-8	1400-700	400-3-50	2600-1300	21,5-14	793,23
4621063	S621/6	900	230-1-50	1750	16,30	809,29
4621060	S621/6	900	230/400-3-50	1750	16,30	750,12
4630043	S630/4	1400	230-1-50	4200	28,40	897,47
4630040	S630/4	1400	230/400-3-50	4200	28,40	865,46
4630481	S630/4-8	1400-700	230-3-50	4200-2100	28,4-18,4	942,79
4630483	S630/4-8	1400-700	230-1-50	4200-2100	28,4-18,4	989,89
4630482	S630/4-8	1400-700	400-3-50	4200-2100	28,4-18,4	942,79
4630063	S630/6	900	230-1-50	2850	21,5	953,05
4630060	S630/6	900	230/400-3-50	2850	21,5	892,05
4631043	S631/4	1400	230-1-50	4200	32,3	909,55
4631040	S631/4	1400	230/400-3-50	4200	32,3	886,01
4631481	S631/4-8	1400-700	230-3-50	4200-2100	32,3-21	963,92
4631483	S631/4-8	1400-700	230-1-50	4200-2100	32,3-21	1.010,41
4631482	S631/4-8	1400-700	400-3-50	4200-2100	32,3-21	963,92
4631063	S631/6	900	230-1-50	2850	24,5	972,97
4631060	S631/6	900	230/400-3-50	2850	24,5	914,40
4810040	S810/4	1400	230/400-3-50	6200	38,7	933,72
4810481	S810/4-8	1400-700	230-3-50	6200-3100	38,7-25,1	1.010,41
4810482	S810/4-8	1400-700	400-3-50	6200-3100	38,7-25,1	1.010,41
4810060	S810/6	900	230/400-3-50	4200	29,3	961,50
4811040	S811/4	1400	230/400-3-50	6200	43,6	953,65
4811481	S811/4-8	1400-700	230-3-50	6200-3100	43,6 - 28,4	1.030,96
4811482	S811/4-8	1400-700	400-3-50	6200-3100	43,6 - 28,4	1.030,96
4811060	S811/6	900	230/400-3-50	4200	33	982,04
4820040	S820/4	1400	230/400-3-50	6200	47	1.150,53
4820481	S820/4-8	1400-700	230-3-50	6200-3100	47-30,5	1.194,03
4820482	S820/4-8	1400-700	400-3-50	6200-3100	47-30,5	1.194,03
4820060	S820/6	900	230/400-3-50	4200	35,6	1.157,79
4821040	S821/4	1400	230/400-3-50	7450	51,9	1.172,29
4821481	S821/4-8	1400-700	230-3-50	7450-3725	51,9-33,7	1.214,55
4821482	S821/4-8	1400-700	400-3-50	7450-3725	51,9-33,7	1.214,55
4821060	S821/6	900	230/400-3-50	5050	39,3	1.179,54

Available on request:

- Motors with protection rating IP55 Additional charge 20%
- Tropicalized motors Additional charge 20%
- 4/6 or 6/8 pole motors Additional charge 10% (stand 4/8 poles)
- 6/12 pole motors Additional charge 20% (stand 6 poles)
- Configuration for operation in cooling mode (only for 6 poles models) Additional charge 20%

S80 - fan heaters for ceiling installation						
Code	Model	fan speed RPM	Power supply V-fph-Hz	Air flow m ³ /h	Heatingh capacity kW	Price list €
4830040	S830/4	1400	230/400-3-50	7450	60	1.273,14
4830481	S830/4-8	1400-700	230-3-50	7450 - 3725	60 - 39	1.368,57
4830482	S830/4-8	1400-700	400 - 3 - 50	7450 - 3725	60 - 39	1.368,57
4830060	S830/6	900	230/400-3-50	5050	45,40	1.318,45
4831040	S831/4	1400	230/400-3-50	9150	68,30	1.292,48
4831481	S831/4-8	1400-700	230-3-50	9150 - 4575	68,3 - 44,4	1.390,32
4831482	S831/4-8	1400-700	400 - 3 - 50	9150 - 4575	68,3 - 44,4	1.390,32
4831060	S831/6	900	230/400-3-50	6200	51,7	1.340,19
4840040	S840/4	1400	230/400-3-50	9150	72,6	1.360,11
4840481	S840/4-8	1400-700	230-3-50	9150 - 4575	72,6 - 47,2	1.456,75
4840482	S840/4-8	1400-700	400 - 3 - 50	9150 - 4575	72,6 - 47,2	1.456,75
4840060	S840/6	900	230/400-3-50	6200	55	1.407,21
4841040	S841/4	1400	230/400-3-50	9150	78,7	1.425,93
4841481	S841/4-8	1400-700	230-3-50	9150 - 4575	78,7 - 51,2	1.534,66
4841482	S841/4-8	1400-700	400 - 3 - 50	9150 - 4575	78,7 - 51,2	1.534,66
4841060	S841/6	900	230/400-3-50	6200	59,60	1.473,06
4110060	S1110/6	900	230/400-3-50	12200	90,1	1.535,87
4120060	S1120/6	900	230/400-3-50	17500	109,9	1.772,62

Available on request:

- Motors with protection rating IP55
- Tropicalized motors
- 4/6 or 6/8 pole motors
- 6/12 pole motors
- Configuration for operation in cooling mode (only for 6 poles models)

Additional charge 20%

Additional charge 20%

Additional charge 10% (stand 4/8 poles)

Additional charge 20% (stand 6 poles)

Additional charge 20%

Accessories		
Code	Descrizione	Price list €
401753	Diffuser with adjustable flaps, models from S610 to S631	78,52
401763	Diffuser with adjustable flaps, models from S810 to S821	88,79
401773	Diffuser with adjustable flaps, models from S830 to S841	101,45
401783	Diffuser with adjustable flaps, models S1110 and S1120	125,03
401973	Anemostat diffuser, models from S610 to S631	286,88
401983	Anemostat diffuser, models from S810 to S821	310,43
401993	Anemostat diffuser, models from S830 to S841	335,19
402003	Anemostat diffuser, models S1110 and S1120	412,51
402043	Truncated cone diffuser, models from S610 to S631	96,64
402053	Truncated cone diffuser, models from S810 to S841	102,68
402063	Truncated cone diffuser, models S1110 and S1120	181,19