

Axial Fans

Presentation of the HELIONE CÉ range of helicoid air pattern axial fans



Short shell

**CIVIL
DEFENCE
APPROVED**

Compliance

- F400°(2h) and F200°(2h) classifications.
- Conforms with the CÉ marking in accordance with Standard EN 12101-3.

Advantages

- Wide range for car parks, commercial and industrial buildings.
- Numerous accessories to facilitate installation.

APPLICATION

- With its F200°(2h) and F400°(2h) fire resistance classifications, the new HELIONE range meets the needs for ventilation and smoke exhaust in residential, commercial and industrial buildings, where high airflows with low pressures are required.
- HELIONE operates just as well for air exhaust as for fresh air supply in premises where acoustic requirements are not predominant or for occasional

DESCRIPTION

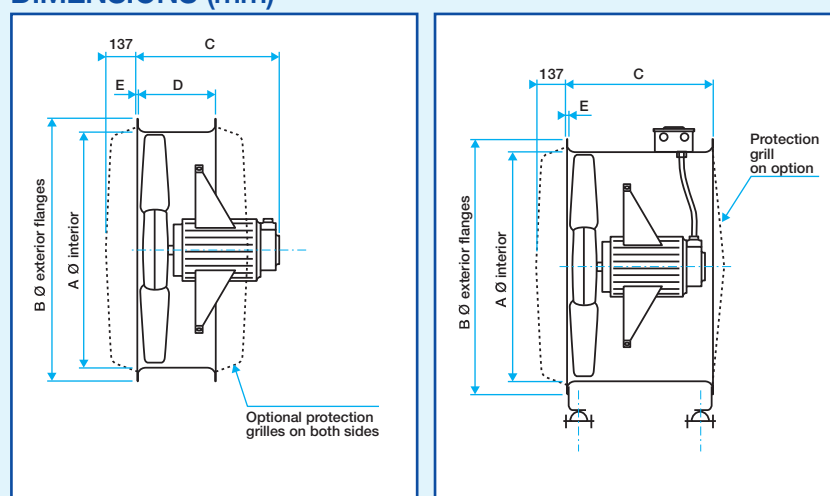
- The standard HELIONE range varies from Ø 500 to Ø 1,000 mm for standard airflows of 5000 to 72000 m³/h for pressures of 100 to 500 Pa.
- The new HELIONE range can meet the requirements for numerous other cases, like different airflows and pressure levels for example: Please feel free to contact us.
- Propellers comprised of several blades in aluminium, mounted on an aluminium hub. The angle adjustment is determined depending on the operating point.
- Each blade is radiographically X-rayed before assembly in order to check the high quality of the material.
- The shells are formed from tubular metal plate, with integrated folded edges drilled for connections, continuous welded and hot galvanised following fabrication for a longer service life. Standard = short shell, long shell on option.
- The motor's fixing arms are hot galvanised for better corrosion resistance.
- 4 pole or 4/8 pole boss type motor, IP 55 tropicalised, class F as standard. Operating temperature range -20/ 50°C.

60 Hz motor: please, consult us. All motors are calculated to bear the input power throughout the length of the curve.

AVAILABLE OPTIONS

- Long shell: comprises a pre-wired external terminal box.

DIMENSIONS (mm)



Short shell

Long shell

Please, consult us to have the detailed technical data sheets for each model.

Short shell				
A	B	C	D	E
560	654	348	225	2.5
630	724	348	225	3
710	804	348	225	3
800	894	459	225	3
900	1006	459	225	3
		445	300	5
		575	300	5
1000	1106	459	225	3
		445	300	5
		575	300	5
Long shell				
560	654	375	368	2.5
630	724	375	403	3
710	804	375	443	3
800	894	520	488	3
900	1006	520	538	3
		520	575	5
		625	575	5
1000	1106	520	588	3
		520	625	5
		625	625	5

Axial Fans

Presentation of the HELIONE C  range of helicoid air pattern axial fans



Long shell

**CIVIL
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Compliance

- F400°(2h) and F200°(2h) classification.
- Conforms with the C  marking in accordance with Standard EN 12101-3.

Advantages

- Wide range for car parks, commercial and industrial buildings.
- Numerous accessories to facilitate installation.

ACCESSORIES

- Protective mesh comes in both motor side and propeller side.
- Flexible sleeve is fitted between the mating flange and the circular duct. Incombustible fabric (M0).
- Mating flange in galvanised steel. It enables HELIONE to be connected to a circular duct. Necessary connection for the flexible sleeve.
- Square plate in galvanised steel to fix HELIONE in a wall mounting configuration.
- Feet supports (x2) in galvanised steel to fix HELIONE to the floor.
- Anti-vibration mountings (x4) are fixed under the feet supports.
- Backdraft damper: circular, with 2 galvanised steel blades.
- Passive circular noise trap / silencer.
- Electrical accessories:
 - proximity switch,
 - pressure switch,
 - emergency stop button.

INSTALLATION

A (MH) OR B (HM) MOUNTING:

Horizontal on the ground and wall mounted against a wall:

- Indispensible options: economic square plate, feet and anti-vibration mountings, mating flange and flexible sleeves or grille if not connected up.

Horizontal on the ground between two ducts:

- Indispensible options: feet and anti-vibration mountings, mating flanges and flexible sleeves on both sides, long shell for motor access through the inspection hatch.

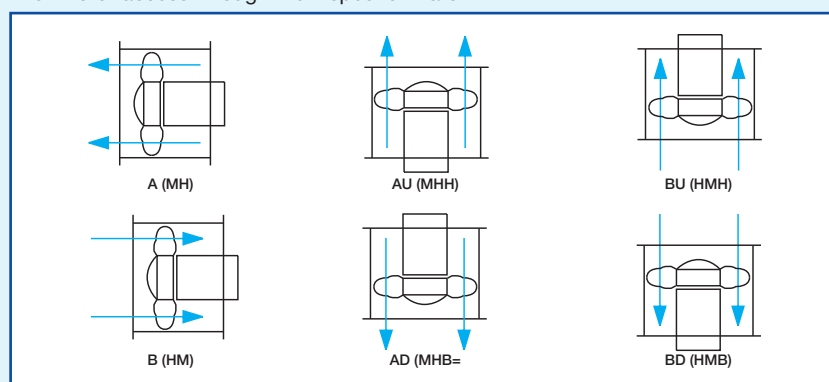
Horizontal fixed by wall mounting against a wall:

- Indispensible options: reinforced square plate for wall mounting, mating flange and flexible sleeve or grille if not connected up.

AU (MHH), BU (HMH), AD (MHB), BD (HMB) MOUNTING

Vertical, suspended under a ceiling tile or duct:

- The tubular casing must be bolted using all of the holes in its flange.
- Indispensible options: protective grille if access remains possible or if there are any risks of waste being sucked in, if connected from both sides: long shell tubular casing for motor access through the inspection hatch.



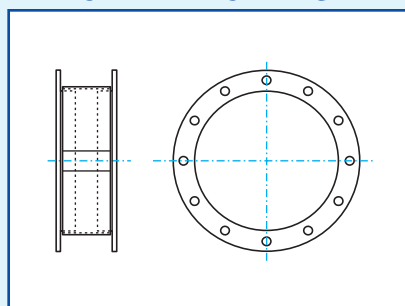
Axial Fans

HELIONE accessories

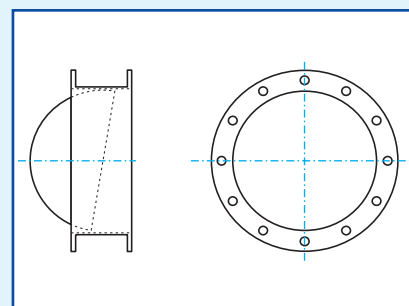
DESCRIPTION

- Protective mesh comes in both motor side and propeller side.
- Flexible sleeve is fitted between the mating flange and the circular duct. Incombustible fabric (M0).
- Mating flange in galvanised steel. It enables HELIONE to be connected to a circular duct. Necessary connection for the flexible sleeve.
- Square plate in galvanised steel to fix HELIONE in a wall mounting configuration.
- Feet supports (x2) in galvanised steel to fix HELIONE to the floor.
- Anti-vibration mountings (x4) are fixed under the feet supports.
- Backdraft damper: circular, with 2 galvanised steel blades.
- Passive circular noise trap/ silencer: please consult us.
- Electrical accessories not connected:
proximity disconnecting switch, pressure switch, emergency stop button → see *Electrical accessories* page 177 for pressure switch; for others, please consult us.

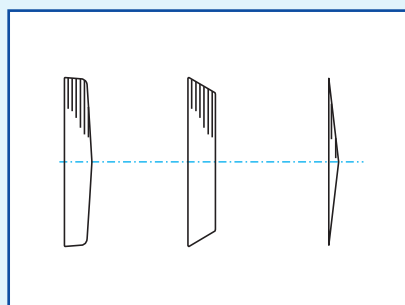
PRINCIPLE DIAGRAMS



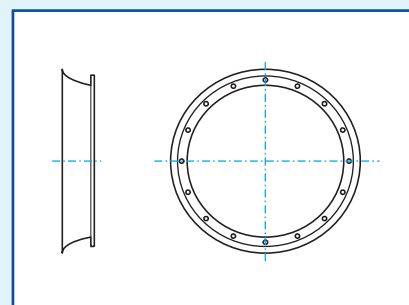
Mating flange + sleeve



Backdraft damper



Grilles



Suction intake cone

ACCESSORIES ^{R8}

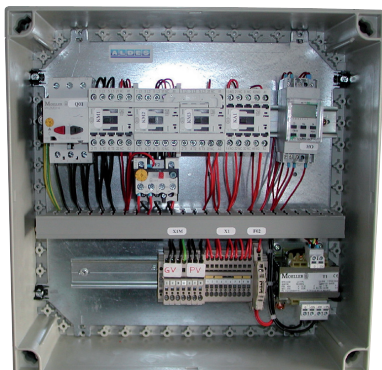
Description	560 Code	630 Code	710 Code	800 Code
"Economic" square plate	11090456	11090457	11090458	11090459
"Reinforced" square plate	11090464	11090465	11090466	11090467
Flexible sleeve	11090400	11090401	11090402	11090403
Horizontal backdraft damper	11090448	11090449	11090450	11090451
Mating flange	11090408	11090409	11090410	11090411
Motor grille for long shells	11090424	11090425	11090426	11090427
Motor grille for short shells	11090472	11090473	11090474	11090475
Propeller mesh	11090416	11090417	11090418	11090419
Set of 2 feet	11090480	11090481	11090482	11090483
Suction intake cone	11090432	11090433	11090434	11090435
Vertical backdraft damper	11090440	11090441	11090442	11090443

Description	0900 Code	1000 Code	1120 Code	1250 Code
"Economic" square plate	11090460	11090461	11090462	11090463
"Reinforced" square plate	11090468	11090469	11090470	11090471
Flexible sleeve	11090404	11090405	11090406	11090407
Horizontal backdraft damper	11090452	11090453	11090454	11090455
Mating flange	11090412	11090413	11090414	11090415
Motor grille for long shells	11090428	11090429	11090430	11090431
Motor grille for short shells	11090476	11090477	11090478	11090479
Propeller mesh	11090420	11090421	11090422	11090423
Set of 2 feet	11090484	11090485	11090486	11090487
Suction intake cone	11090436	11090437	11090438	11090439
Vertical backdraft damper	11090444	11090445		

Description	Code
Set of 4 anti-vibrations mountings for HELIONE F200	
Set of 4 HELIONE F200-560-630-710 mountings	11090490
Set of 4 HELIONE F200-800-900 mountings	11090492
Set of 4 HELIONE F200-1000-1120-1250 mountings	11090495
Set of 4 anti-vibrations mountings for HELIONE F400	
Set of 4 HELIONE F400-560-630-710 mountings	11090496
Set of 4 HELIONE F400-800-900 mountings	11090497
Set of 4 HELIONE F400-1000-1120-1250 mountings	11090498

Axial Fans

Car Park smoke extraction control unit



Advantages

- Box ready for wiring.
- Backed-up programmable timer.

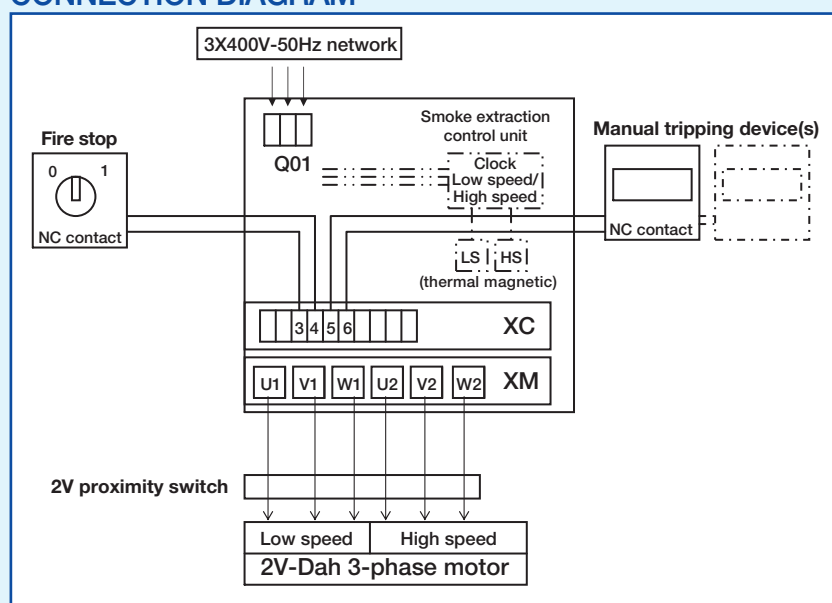
APPLICATION

- This control unit, with its incorporated clock, allows for programming the fan (low speed/ high speed/ stop) with a forecast of the vehicle traffic in the car park. This control unit is particularly suited to multi-family housing buildings car parks.
- It manages the tripping of manual smoke extraction and stopping smoke extraction at the request of firefighters.

DESCRIPTION

- IP 55 plastic box.
- Dimensions: width x height x depth = 375 x 375 x 200 mm.
- Backed-up weekly programmed timer.
- Protection of the motor under high speed and low speed by thermal magnetic circuit breakers, whose current rating is to be chosen depending on the motor used.
- Range for a 2-speed Dahlander motor, 400V 3-phase.
- Inputs / outputs terminal for manual smoke extraction de-energize to operate tripping devices (dry-contacts on opening).
- Connection possible for a key operated 'Fire stop' device (dry-contact on opening).
- Instructions note and drawing available from your agency.

CONNECTION DIAGRAM



CAR PARK SMOKE EXTRACTION CONTROL UNIT R8

Description	Code
Car Park control unit 4/ 1.6 A - DAH	11057252
Car Park control unit 6/ 1.6 A - DAH	11057255
Car Park control unit 9/ 2.4 A - DAH	11057253
Car Park control unit 12/ 4 A - DAH	11057256
Car Park control unit 16/ 6 A - DAH	11057254
Car Park control unit 24/ 6 A - DAH	11057257
Car Park control unit 31/ 10A - DAH	11057258
Car Park control unit 40/ 12 A - DAH	11057259
Car Park control unit 57/ 16 A - DAH	11057260

ACCESSORIES R8

Description	Code
Manual tripping device	11044121
Fire stop NO + NC	11057251

- The mating flange, flexible sleeve, the propeller side grille, motor side grille on long shells, square plate and backdraft dampers all depend on the diameter only. (1)
- (1) Please, choose the accessories according to the axial fan's diameter as shown below.

Axial Fans

HELIONE F200 and unclassified - 1-speed

New



Short shell



Long shell

Compliance

- F200(2h) classification.
- Conforms with the CE marking in accordance with Standard EN 12101-3.

CIVIL
DEFENCE
APPROVED

Advantages

- Up to 70000 m³/h.
- Wide range for car parks, commercial and industrial buildings.
- Numerous accessories to facilitate installation.

APPLICATION

- Ventilation and smoke extraction for covered car parks.
- Selection tables define the standard range. For more precise details, please consult us.

UNCLASSIFIED RANGE / F200 (2h) 1-SPEED R8

Description	Code
HELIONE F200-560/20/4/6 - 0.66 kW	11090299
HELIONE F200-560/20/4/6 - 1.15 kW	11090300
HELIONE F200-630/20/4/3 - 1.4 kW	11090301
HELIONE F200-710/20/4/3 - 1.4 kW	11090302
HELIONE F200-710/20/4/3 - 1.6 kW	11090303
HELIONE F200-710/25/4/9 2.7 kW	11090304
HELIONE F200-800/20/4/3 - 2.7 kW	11090305
HELIONE F200-710/20/4/6 - 3.2 kW	11090306
HELIONE F200-900/25/4/3 - 3.2 kW	11090307
HELIONE F200-900/25/4/6 - 3.2 kW	11090308
HELIONE F200-900/25/4/6 - 4.4 kW	11090309
HELIONE F200-900/25/4/6 - 6.6 kW	11090310
HELIONE F200-900/25/4/9 - 6.6 kW	11090311
HELIONE F200-1000/25/4/3 - 4.4 kW	11090312
HELIONE F200-1000/25/4/3 - 6.6 kW	11090313
HELIONE F200-1000/25/4/6 - 4.4 kW	11090314
HELIONE F200-1000/25/4/6 - 9 kW	11090315
HELIONE F200-1000/25/4/6 - 13.2 kW	11090316
HELIONE F200-1000/25/4/9 - 18 kW	11090317
HELIONE F200-1000/31/4/9 - 22.2 kW	11090318
HELIONE F200-1000/31/4/9 - 27 kW	11090319

AVAILABLE OPTIONS R8

Description	Code
Long shell Ø 560	OPT90392
Long shell Ø 630	OPT90393
Long shell Ø 710	OPT90394
Long shell Ø 800	OPT90395
Long shell Ø 900	OPT90396
Long shell Ø 1000	OPT90397

RECOMMENDATION

- For an installation with anti-vibration mountings, above Ø 800, and for > 4 kW motors, we recommend you to order the long shell option. If not, provide for stringers between the feet and the mountings to redistribute the weight.

SELECTION HELIONE F200 (2h) - 1-SPEED

- The number of boxes corresponds to the last figures of the Aldes code.

	Pressure (Pa)							
Q (m ³ /h)	150	200	250	300	350	400	450	500
5400	299	299						
7200	299	299						
9000	300	300						
10800	300	300						
11400	301	302	302	306	306	304	308	
12000	301	302	302	306	306	304	308	
12600	301	302	302	306	306	304	308	314
13200	301	302	303	306	306	304	308	314
13800	301	302	303	306	306	304	308	314
14400	302	302	303	306	306	308	308	314
15000	302	302	306	306	306	308	308	314
15600	302	303	306	306	306	308	308	314
16200	302	303	306	306	306	308	309	314
16800	302	305	306	306	306	308	309	314
17400	303	305	306	306	306	308	314	314
18000	303	305	306	306	306	308	314	314
21000	305	305	305	307	309	309	311	311
24000	305	305	307	307	309	309	311	311
27000	307	307	307	312	310	311	311	315
30000	307	307	312	312	310	310	310	315
33000	307	312	312	312	310	310	315	315
36000	312	312	312	313	315	315	315	315
39000	312	312	313	315	315	315	315	316
42000	312	313	313	315	315	315	316	316
45000	313	313	315	315	315	316	316	316
48000	313	315	315	315	316	316	316	316
54000	315	315	316	316	316	316	317	317
60000	316	316	316	316	317	317	317	318
66000	316	316	317	317	318	318	319	319
72000	317	317	318	318	319			

ELECTRICAL DETAILS F400

F200 motor - 1-speed - 4 pole		
Power (kW)	Rated current (A)	Start-up current (A)
0.66	1.9	6.4
1.15	3.2	11.0
1.4	3.8	13.5
1.6	3.9	19.0
2.7	5.8	30.0
3.2	6.8	35.0
4.4	9.3	55.0
6.6	12.6	84.0
9.0	17.0	114.0
13.2	25.4	127.0
18.0	34.8	171.0
22.2	41.0	242.0
27.0	49.8	284.0

Axial Fans

HELIONE F200 and unclassified - 2-speed

New



Short shell



Long shell

Compliance

- F200°(2h) classification.
- Conforms with the CE marking in accordance with Standard EN 12101-3.

CIVIL
DEFENCE
APPROVED

Advantages

- Up to 70000 m³/h.
- Wide range for car parks, commercial and industrial buildings.
- Numerous accessories to facilitate installation.

APPLICATION

- Ventilation and smoke extraction for covered car parks.
- Selection tables define the standard range. For more precise details, please consult us.

UNCLASSIFIED RANGE / F200 (2h) 2-SPEED R8

Description	Code
HELIONE F200-560/20/4-8/6 -0.92/0.23 kW	11090320
HELIONE F200-630/20/4-8/3 -1.84/0.46 kW	11090321
HELIONE F200-710/20/4-8/3 -1.84/0.46 kW	11090322
HELIONE F200-800/20/4-8/3 -3.22/0.8 kW	11090323
HELIONE F200-710/20/4-8/6 -3.22/0.8 kW	11090324
HELIONE F200-900/25/4-8/3 -3.22/0.8 kW	11090325
HELIONE F200-900/25/4-8/6 -3.22/0.8 kW	11090326
HELIONE F200-900/25/4-8/6 -4.37/1.15 kW	11090327
HELIONE F200-900/25/4-8/6 -5.75/1.5 kW	11090328
HELIONE F200-1000/25/4-8/3 -4.37/1.15 kW	11090329
HELIONE F200-1000/25/4-8/3 -5.75/1.5 kW	11090330
HELIONE F200-1000/25/4-8/6 -4.37/1.15 kW	11090331
HELIONE F200-1000/25/4-8/6 -5.75/1.5 kW	11090332
HELIONE F200-1000/25/4-8/6 -7.2/1.8 kW	11090333
HELIONE F200-1000/25/4-8/9 -16.1/4.03 kW	11090335
HELIONE F200-1000/31/4-8/9 -19.6/4.95 kW	11090336
HELIONE F200-1000/31/4-8/9 -23/5.75 kW	11090337

AVAILABLE OPTIONS R8

Description	Code
Long shell Ø 560	OPT90392
Long shell Ø 630	OPT90393
Long shell Ø 710	OPT90394
Long shell Ø 800	OPT90395
Long shell Ø 900	OPT90396
Long shell Ø 1000	OPT90397

RECOMMENDATION

- Please, see page 86.

SELECTION HELIONE F200 (2h) - 2-SPEED

- The number of boxes corresponds to the last figures of the Aldes code.

	Pressure (Pa)							
Q (m ³ /h)	150	200	250	300	350	400	450	500
5400	20	20						
7200	20	20						
9000	20	20						
10800	21	21						
11400	21	22	22	24				
12000	21	22	22	24	24	26	26	
12600	21	22	22	24	24	26	26	31
13200	21	22	22	24	24	26	26	31
13800	21	22	22	24	24	26	26	31
14400	22	22	22	24	24	26	26	31
15000	22	22	24	24	24	26	26	31
15600	22	22	24	24	24	26	26	31
16200	22	22	24	24	24	26	31	31
16800	22	23	24	24	24	26	31	31
17400	22	23	24	24	24	26	31	31
18000	22	23	24	24	24	26	31	31
21000	23	23	23	25	27	31	31	32
24000	23	23	25	25	27	31	28	32
27000	23	25	25	29	31	28	32	33
30000	25	25	29	29	28	33	33	33
33000	25	29	29	29	33	33	33	34
36000	29	29	29	30	33	33	34	34
39000	29	29	30	33	33	34	34	34
42000	29	30	30	33	34	34	34	34
45000	30	30	33	33	34	34	34	34
48000	30	33	33	34	34	34	34	35
54000	34	34	34	34	34	35	35	35
60000	34	34	34	34	35	36	36	36
66000	34	35	36	36	36	37	37	37
72000	36	36	37	37	37			

ELECTRICAL DETAILS F200

F200 motor - 2-speed - 4/8 pole		
Power (kW)	Rated current (A)	Start-up current (A)
0.92/0v23	2.21/0.94	9.3/2.4
1.84/0.46	4.23/1.77	21.6/5.5
3.22/0.8	6.8/2.54	36/8.6
4.37/1.15	9.23/3.02	55.4/10.8
5.75/1.5	11.8/3.78	88.5/21.5
7.2/1.8	13.8/4.24	89.7/22
12.7/3.45	24/7.81	146/30.5
16.1/4.03	30.4/9.41	192/35.8
19.6/4.95	37.9/14	269/50.4
23/5.75	43.4/15.1	339/72.5

Axial Fans

New

HELIONE F400 - 1-speed



Short shell



Long shell

Compliance

- F400°(2h) classification.
- Conforms with the CE marking in accordance with Standard EN 12101-3.

**CIVIL
DEFENCE
APPROVED**

Advantages

- Up to 70000 m³/h.
- Wide range for car parks, commercial and industrial buildings.
- Numerous accessories to facilitate installation.

APPLICATION

- Smoke exhaust in public assembly and high rise buildings.
- Ventilation and smoke extraction for covered car parks.
- Selection tables define the standard range. For more precise details, please consult us.

RANGE - F400 (2h) - 1-SPEED R8

Description	Code
HELIONE F400-560/16/4/5 - 0.9 kW	11090340
HELIONE F400-630/20/4/6 - 0.9 kW	11090341
HELIONE F400-630/20/4/6 - 1.27 kW	11090342
HELIONE F400-630/20/4/6 - 1.8 kW	11090343
HELIONE F400-710/25/4/6 - 1.8 kW	11090345
HELIONE F400-800/25/4/3 - 1.8 kW	11090346
HELIONE F400-800/25/4/3 - 2.64 kW	11090347
HELIONE F400-800/25/4/6 - 2.64 kW	11090348
HELIONE F400-800/25/4/9 - 3.6 kW	11090349
HELIONE F400-900/25/4/3 - 3.6 kW	11090350
HELIONE F400-900/25/4/6 - 3.6 kW	11090351
HELIONE F400-900/25/4/6 - 4.8 kW	11090352
HELIONE F400-900/25/4/6 - 6.6 kW	11090353
HELIONE F400-900/25/4/9 - 3.6 kW	11090354
HELIONE F400-900/25/4/9 - 4.8 kW	11090355
HELIONE F400-900/25/4/9 - 6.6 kW	11090356
HELIONE F400-900/25/4/9 - 9 kW	11090357
HELIONE F400-900/25/4/9 - 11 kW	11090358
HELIONE F400-1000/31/4/6 - 6.6 kW	11090359
HELIONE F400-1000/31/4/6 - 9 kW	11090360
HELIONE F400-1000/31/4/6 - 11 kW	11090361
HELIONE F400-1000/31/4/6 - 13.2 kW	11090362
HELIONE F400-1000/31/4/9 - 11 kW	11090363
HELIONE F400-1000/31/4/9 - 13.2 kW	11090364
HELIONE F400-1000/31/4/9 - 18 kW	11090365
HELIONE F400-1000/31/4/9 - 20.4 kW	11090366
HELIONE F400-1000/31/4/9 - 27 kW	11090367

AVAILABLE OPTIONS

Description	Code
Long shell Ø 560	OPT90392
Long shell Ø 630	OPT90393
Long shell Ø 710	OPT90394
Long shell Ø 800	OPT90395
Long shell Ø 900	OPT90396
Long shell Ø 1000	OPT90397

RECOMMENDATION

- For an installation with anti-vibration mountings, above Ø 800, and for > 4 kW motors, we recommend you to order the long shell option. If not, provide for stringers between the feet and the mountings to redistribute the weight.

SELECTION HELIONE F400 (2h) - 1-SPEED

The number of boxes corresponds to the last figures of the Aldes code.

Q (m³/h)	Pressure (Pa)							
	150	200	250	300	350	400	450	500
5400	40	41	45	45				
7200	40	41	45	48				
9000	40	42	45	48				
10800	42	42	45	48				
11400	42	43	45	48				
12000	43	43	45	48	51	51	54	55
12600	43	43	45	48	51	51	54	55
13200	43	43	45	48	51	51	54	55
13800	43	46	48	48	51	51	54	55
14400	43	46	48	48	51	54	55	55
15000	43	46	48	48	51	54	55	55
15600	46	46	48	48	51	54	55	55
16200	46	46	48	49	51	55	55	55
16800	46	47	48	49	51	55	55	55
17400	46	47	48	49	51	55	55	55
18000	46	47	48	49	52	55	55	56
21000	47	47	49	49	52	55	56	56
24000	47	50	49	52	52	56	56	56
27000	50	50	52	52	53	56	57	57
30000	50	50	52	53	53	59	57	57
33000	50	53	53	53	57	57	57	57
36000	53	53	53	59	57	57	58	63
39000	53	53	59	59	57	60	58	64
42000	53	59	59	60	60	61	61	64
45000	59	59	60	60	61	61	64	65
48000	59	60	60	60	61	62	65	65
54000	60	61	61	62	62	65	65	65
60000	62	62	62	65	65	66	67	67
66000	62	65	66	66	67	67		
72000	66	67	67	67				

ELECTRICAL DETAILS F400

F400 motor - 1-speed - 4 pole		
Power (kW)	Rated current (A)	Start-up current (A)
0.66	1.56	8.2
0.90	2.00	9.4
1.27	3.08	14.2
1.80	3.75	19.8
2.64	5.42	30.9
3.60	7.03	38.6
4.80	9.23	57.2
6.60	12.60	84.0
9.00	17.10	114.0
11.00	21.40	107.0
13.20	24.30	165.3
18.00	34.70	170.0
20.40	41.40	242.0
27.00	49.80	284.0

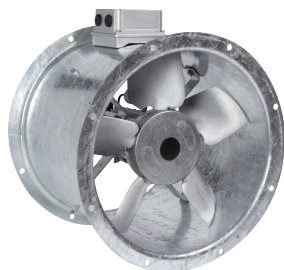
Axial Fans

HELIONE F400 - 2-speed

New



Short shell



Long shell

Compliance

- F400°(2h) classification.
- Conforms with the CE marking in accordance with Standard EN 12101-3.

CIVIL
DEFENCE
APPROVED

Advantages

- Up to 70000 m³/h.
- Wide range for car parks, commercial and industrial buildings.
- Numerous accessories to facilitate installation.

APPLICATION

- Smoke exhaust in public assembly and high rise buildings.
- Ventilation and smoke extraction for covered car parks.
- Selection tables define the standard range. For more precise details, please consult us.

RANGE - F400 (2h) - 2-SPEED R8

Description	Code
HELIONE F400-560/16/4-8/5 - 0.92/0.23 KW	11090370
HELIONE F400-630/20/4-8/6 - 0.92/0.23 KW	11090371
HELIONE F400-630/20/4-8/6 - 1.84/0.46 KW	11090372
HELIONE F400-710/25/4-8/6 - 1.84/0.46 KW	11090373
HELIONE F400-800/25/4-8/3 - 1.84/0.46 KW	11090374
HELIONE F400-800/25/4-8/3 - 2.53/0.63 KW	11090375
HELIONE F400-800/25/4-8/6 - 2.53/0.63 KW	11090376
HELIONE F400-800/25/4-8/6 - 3.22/0.8 KW	11090377
HELIONE F400-900/25/4-8/3 - 3.22/0.8 KW	11090378
HELIONE F400-900/25/4-8/6 - 4.37/1.15 KW	11090379
HELIONE F400-900/25/4-8/6 - 5.75/1.5 KW	11090380
HELIONE F400-900/25/4-8/6 - 7.92/1.98 KW	11090381
HELIONE F400-900/25/4-8/9 - 4.37/1.15 KW	11090382
HELIONE F400-900/25/4-8/9 - 5.75/1.5 KW	11090383
HELIONE F400-900/25/4-8/9 - 7.92/1.98 KW	11090384
HELIONE F400-900/25/4-8/9 - 12.7/3.47 KW	11090385
HELIONE F400-1000/31/4-8/6 - 7.92/1.98 KW	11090387
HELIONE F400-1000/31/4-8/6 - 12.7/3.45 KW	11090388
HELIONE F400-1000/31/4-8/9 - 16.1/4.03 KW	11090389
HELIONE F400-1000/31/4-8/9 - 19.6/4.95 KW	11090390
HELIONE F400-1000/31/4-8/9 - 23/5.75 KW	11090391

AVAILABLE OPTIONS

Description	Code
Long shell Ø 560	OPT90392
Long shell Ø 630	OPT90393
Long shell Ø 710	OPT90394
Long shell Ø 800	OPT90395
Long shell Ø 900	OPT90396
Long shell Ø 1000	OPT90397

RECOMMENDATION

- Please, see page 88.

SELECTION HELIONE F400 (2h) - 2-SPEED

- The number of boxes corresponds to the last figures of the Aldes code.

	Pressure (Pa)							
Q (m³/h)	150	200	250	300	350	400	450	500
5400	70	71	73	73				
7200	70	71	73	76				
9000	70	72	73	76				
10800	72	72	73	76				
11400	72	72	73	76				
12000	72	72	73	76			82	82
12600	72	72	73	76			82	82
13200	72	72	73	76			82	82
13800	72	74	76	76	82	82	82	82
14400	72	74	76	76	82	82	82	82
15000	72	74	76	76	82	82	82	83
15600	74	75	76	76	82	82	82	83
16200	74	75	76	77	82	82	82	83
16800	74	75	76	77	79	82	82	83
17400	74	75	76	77	79	82	83	83
18000	75	75	76	77	79	82	83	83
21000	75	78	77	79	79	83	83	83
24000	78	78	79	79	80	83	84	84
27000	78	78	79	80	80	84	84	84
30000	78	79	80	80	81	84	87	85
33000	79	80	80	81	81	87	87	85
36000	80	80	81	81	87	87	85	85
39000	80	81	81	81	87	85	85	85
42000	81	81	87	87	85	88	88	89
45000	87	87	87	88	88	88	89	89
48000	87	88	88	88	88	88	89	89
54000	88	88	88	88	89	89	90	90
60000	88	88	88	89	90	90	91	91
66000	88	90	90	90	91	91		
72000	90	91	91	91				

ELECTRICAL DETAILS F400

F400 motor - 2-speed - 4/8 pole		
Power (kW)	Rated current (A)	Start-up current (A)
0.92/0.23	2.21/0.94	9.3/2.4
1.84/0.46	4.23/1.77	21.6/5.5
2.53/0.63	5.46/2.07	33.4/7
3.22/0.8	6.8/2.54	36/8.6
4.37/1.15	9.23/3.02	57.8/11
5.75/1.5	11.8/3.78	88.5/21.5
7.92/1.98	16.3/4.83	117/28.5
12.7/3.45	24/7.81	146/30.5
16.1/4.03	30.4/9.41	192/35.8
19.6/4.95	37.9/14	269/50.4
23/5.75	43.4/15.1	339/72.5