

F400-certified motorised hatch solutions for smoke exhaust



**COMPACT
DESIGN**



HATCH/LP



F400 smoke
exhaust



Energy
efficiency



C5 corrosion
resistance according
to ISO 12944



SL1200 snow load
according to EN 12101-3
**model 125 with SL1000*



High performance
in airtightness



Easy installation
and maintenance





ROOF SOLUTIONS WITH A MOTORISED HATCH

Advances in building construction and new requirements regarding energy efficiency, airtightness and comfort make it necessary to incorporate solutions that can offer greater protection against the most demanding environmental conditions.



HATCH/LP is an F400-certified roof-mounted solution for smoke exhaust, featuring a motorised hatch to improve the installation's airtightness.

Reducing air and water infiltration helps maintain a building's thermal conditions and improve the energy efficiency of the installation.

More airtight and safer solutions



AIRTIGHTNESS

The motorised hatch helps keep the equipment protected and prevents water seepage and heat loss



ENERGY EFFICIENCY

Preventing permanent leaks through the roof helps maintain the indoor temperature



RESISTANCE TO SNOW LOADS

Designed to withstand snow loads of up to SL1200 in accordance with EN 12101-3



RESISTANT TO CORROSION

The Magnelis coating provides durability in demanding environments; C5 corrosion resistance in accordance with ISO 12944



F400 CERTIFICATION

Tested and certified for smoke exhaust in the event of a fire, in accordance with standard EN 12101-3



Magnelis®

An ArcelorMittal product



Magnelis® is a metal coating that is three times more resistant than galvanised steel, thereby offering exceptional anti-corrosion protection, even in the most aggressive environments.



Construction aspects

THERMAL INSULATION

It reduces the risk of condensation and protects the system against changes in temperature and humidity

MOTORISED OPENING

The actuator of the motorised hatch is designed to withstand snow loads up to SL1200 in accordance with EN 12101-3

COMPACT DESIGN

Lower overall height compared with traditional configurations featuring a fan and separate hatch



EASY INSTALLATION AND MAINTENANCE

Front cable outlet for easier access during installation, commissioning and maintenance

RESISTANT TO CORROSION

The Magnelis® coating provides C5 corrosion resistance in accordance with ISO 12944 and durability in demanding environments



ADVANTAGES OF INSTALLING ROOF-MOUNTED SOLUTIONS WITH A MOTORISED HATCH

	 ROOF EXTRACT FAN WITHOUT MOTORISED HATCH	 HATCH/LP EXTRACT FAN WITH MOTORISED HATCH
AIRTIGHTNESS	● ○ ○	● ● ●
MOTORISED HATCH	×	✓
PROTECTION AGAINST RAIN	● ● ○	● ● ●
THERMAL INSULATION	×	● ● ●
SNOW LOAD IN ACCORDANCE WITH EN 12101-3	×	SL1200 snow load <i>*model 125 with SL1000</i>
ANTI-CORROSION PROTECTION	● ● ○	● ● ● C5 according to ISO 12944
FIRE RESISTANCE IN ACCORDANCE WITH EN 12101-3	F400 / F300	F400 / F300

HATCH/LP



Compact dynamic smoke vents with motorised opening, equipped with roof extractor fans, for smoke extraction in case of fire F400 and F300



Compact dynamic smoke vents equipped with roof extractor fans and motorised opening, specially designed for the fast and efficient extraction of smoke and harmful gases in the event of a fire. Suitable for installation in industrial buildings or commercial facilities. Certified according to EN 12101-3 standard, with F400 and F300 ratings. They can also be used for general ventilation.

Enclosure:

- Unit casing made of Magnelis sheet steel with C5 corrosion resistance category.
- Designed to ensure watertightness.
- Base frame for easy and correct installation.
- Thermal insulation with rockwool on the hatch and anti-condensation inner lining on the sides.

Fan:

- F400 and F300 certified roof fans.
- Tubular casing in sheet steel with polyester resin anti-corrosive treatment.
- Adjustable cast aluminum impeller.
- Shielded power cable with EMC protection.

Opening system:

- Motorised opening arm, with encapsulated IP65 mechanism.
- Supply voltage at 230 V AC 50/60 Hz.
- SL1200 snow load for models 40 to 100.
- SL1000 snow load for model 125.
- Limit switches in both positions (open and closed).

- Automatic opening by external signal from the control system (fire panel, smoke detector ...). Control systems not included in the equipment.

Motor:

- Class H motors for continuous S1 operation and S2 emergency use. With ball bearings and IP55 protection.
- IE3 efficiency motors.
- Three-phase 230/400 V 50 Hz (up to 3 kW) and 400/690 V 50 Hz (powers greater than 3 kW).
- Maximum temperature of air to be carried: S1 -25 °C +40 °C continuous service, also suitable for warm climates with temperatures up to 50 °C. S2 operation, 300 °C/2h, 400 °C/2h.

Finish:

- Structure made of Magnelis sheet steel with C5 corrosion resistance category.

On request:

- Motorised opening arms with supply voltage of 24 V DC.
- Protection grille against contact according to UNE-EN ISO 12499 for inlet and/or outlet.

Order code

HATCH/LP	—	63	—	4	T	—	3	—	F400
↓		↓		↓	↓		↓		↓
HATCH/LP: Compact dynamic smoke vents with motorised opening, equipped with roof extractor fans, for smoke extraction in case of fire F400 and F300		Impeller diameter in cm		Number of motor poles 2=3000 r/min 50 Hz 4=1500 r/min 50 Hz 6=1000 r/min 50 Hz	T = Three-phase		Motor power (HP)		F300: 300 °C/2h approved F400: 400 °C/2h approved

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Blade tilt angle (°)	Maximum flow rate (m³/h)	Sound pressure level¹ dB(A)		Approx. weight (Kg)
		230V	400V	690V				Inlet	Exhaust	
HATCH/LP-40-2T-1.5 IE3	2880	3.93	2.26		1.10	20	7040	61	61	80
HATCH/LP-45-2T-2 IE3	2880	4.91	2.84		1.50	16	9400	61	61	90
HATCH/LP-45-2T-3 IE3	2840	7.14	4.13		2.20	22	11325	61	61	95
HATCH/LP-56-4T-2 IE3	1415	5.89	3.38		1.50	36	15030	64	64	90
HATCH/LP-63-4T-3 IE3	1425	7.86	4.52		2.20	32	22170	58	58	130
HATCH/LP-63-4T-4 IE3	1430	11.01	6.33		3.00	38	24240	59	59	135
HATCH/LP-63-6T-1 IE3	940	3.36	1.93		0.75	38	15890	48	48	120
HATCH/LP-80-4T-3 IE3	1425	7.86	4.52		2.20	12	25460	65	65	140
HATCH/LP-80-4T-4 IE3	1430	11.01	6.33		3.00	16	30270	64	64	140
HATCH/LP-80-4T-5.5 IE3	1440		7.95	4.61	4.00	18	32770	63	63	155
HATCH/LP-80-4T-7.5 IE3	1460		10.40	6.04	5.50	26	39640	63	63	175
HATCH/LP-80-6T-1.5 IE3	945	4.73	2.72		1.10	18	21470	53	53	130
HATCH/LP-80-6T-2 IE3	945	6.25	3.62		1.50	26	25970	54	54	140
HATCH/LP-90-4T-7.5 IE3	1460		10.40	6.04	5.50	18	46140	67	67	210
HATCH/LP-90-4T-10 IE3	1460		14.20	8.17	7.50	22	50140	66	66	220
HATCH/LP-90-6T-3 IE3	950	9.78	5.62		2.20	24	34000	56	56	190
HATCH/LP-90-6T-4 IE3	970	12.8	6.36		3.00	30	38910	59	59	210
HATCH/LP-100-4T-10 IE3	1460		14.20	8.17	7.50	16	57420	69	69	220
HATCH/LP-100-4T-15 IE3	1460		20.70	11.99	11.00	22	66300	69	69	270
HATCH/LP-100-4T-20 IE3	1460		27.80	16.03	15.00	28	76160	70	70	290
HATCH/LP-100-4T/9-25 IE3	1475		35.40	20.39	18.50	26	70620	70	70	370
HATCH/LP-100-6T-5.5 IE3	970		8.37	4.82	4.00	26	47780	60	60	220
HATCH/LP-125-4T/6-20 IE3	1460		27.80	16.03	15.00	10	78600	77	77	455
HATCH/LP-125-4T/6-25 IE3	1465		35.40	20.39	18.50	14	92550	76	76	500
HATCH/LP-125-4T/6-30 IE3	1470		42.20	24.44	22.00	16	98830	75	75	520
HATCH/LP-125-4T/9-25 IE3	1465		35.40	20.39	18.50	10	79650	77	77	505
HATCH/LP-125-4T/9-30 IE3	1470		42.20	24.44	22.00	12	88290	76	76	520
HATCH/LP-125-4T/9-40 IE3	1475		53.30	31.02	30.00	16	104040	75	75	610

¹ The noise level values are pressures in dB(A) measured at a distance of 10 metres in a free field.

Technical characteristics of the dynamic exhaust system based on standard EN 12101-3

Model	Approval (°C)	Motor insulation class	Opening time	Durability	Temperature room temperature (°C)	Wind load (Pa)	Snow load (Pa)
HATCH/LP-40...100	F400/2h - F300/2h	Clase H	<30 s	RE 11000	-25	WL 200	SL 1200
HATCH/LP-125	F400/2h - F300/2h	Clase H	<30 s	RE 11000	-25	WL 200	SL 1000



Erp. (Energy Related Products)

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

Accessories



INT



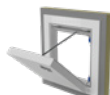
IAT



CABLE BOX



VSD3/A-RFT
- VSD1/A-RFM



FRIDGE/FLAP



RI



RT



R/THT



PV



BTUB



BAC



ACE ACE/400

Acoustic characteristics

The values given are obtained under laboratory conditions according to ISO 3744.

Sound power spectrum $L_w(A)$ in dB(A) per Hz frequency band

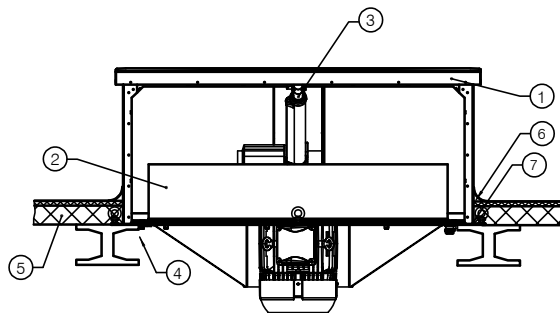
Values measured at inlet with maximum flow rate

	63	125	250	500	1000	2000	4000	8000
40-2/6-1.5	47	63	75	83	88	86	82	75
45-2/6-2	47	60	74	86	87	86	82	74
45-2/6-3	47	64	74	81	88	86	83	75
56-4/6-2	52	64	73	79	79	79	73	65
63-4/6-3	56	68	77	83	83	83	77	69
63-4/6-4	57	69	78	84	84	84	78	70
63-6/6-1	49	59	69	73	74	72	65	57
80-4/6-3	55	71	84	91	91	88	82	74
80-4/6-4	54	70	83	90	90	87	81	73
80-4/6-5.5	53	69	82	89	89	86	80	72
80-4/6-7.5	53	69	82	89	89	86	80	72
80-6/6-1.5	53	68	75	78	79	76	70	62
80-6/6-2	59	69	75	79	80	78	73	65
90-4/6-7.5	59	75	86	92	93	91	86	78
90-4/6-10	58	74	85	91	92	90	85	77
90-6/6-3	52	67	78	82	82	78	71	63
90-6/6-4	60	70	80	85	85	82	76	68
100-4/6-10	64	80	87	94	95	93	89	81
100-4/6-15	71	83	87	93	94	94	91	83
100-4/6-20	72	84	88	94	95	95	92	84
100-4/9-25	72	84	88	94	95	95	92	84
100-6/6-5.5	57	72	82	85	86	83	75	67
125-4/6-20	69	85	96	103	104	102	95	87
125-4/6-25	68	84	95	102	103	101	94	86
125-4/6-30	67	83	94	101	102	100	93	85
125-4/9-25	67	81	94	102	104	101	96	88
125-4/9-30	66	80	93	101	103	100	95	87
125-4/9-40	65	79	92	100	102	99	94	86

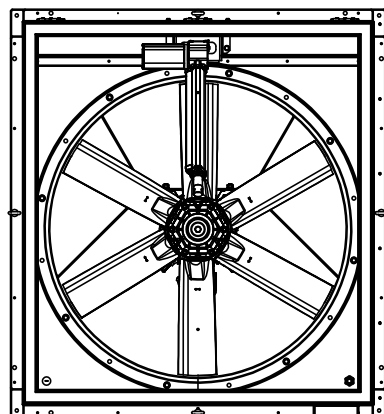
Values measured at exhaust with maximum flow rate

	63	125	250	500	1000	2000	4000	8000
40-2/6-1.5	47	63	75	83	88	86	82	75
45-2/6-2	47	60	74	86	87	86	82	74
45-2/6-3	47	64	74	81	88	86	83	75
56-4/6-2	52	64	73	79	79	79	73	65
63-4/6-3	56	68	77	83	83	83	77	69
63-4/6-4	57	69	78	84	84	84	78	70
63-6/6-1	49	59	69	73	74	72	65	57
80-4/6-3	55	71	84	91	91	88	82	74
80-4/6-4	54	70	83	90	90	87	81	73
80-4/6-5.5	53	69	82	89	89	86	80	72
80-4/6-7.5	53	69	82	89	89	86	80	72
80-6/6-1.5	53	68	75	78	79	76	70	62
80-6/6-2	59	69	75	79	80	78	73	65
90-4/6-7.5	59	75	86	92	93	91	86	78
90-4/6-10	58	74	85	91	92	90	85	77
90-6/6-3	52	67	78	82	82	78	71	63
90-6/6-4	60	70	80	85	85	82	76	68
100-4/6-10	64	80	87	94	95	93	89	81
100-4/6-15	71	83	87	93	94	94	91	83
100-4/6-20	72	84	88	94	95	95	92	84
100-4/9-25	72	84	88	94	95	95	92	84
100-6/6-5.5	57	72	82	85	86	83	75	67
125-4/6-20	69	85	96	103	104	102	95	87
125-4/6-25	68	84	95	102	103	101	94	86
125-4/6-30	67	83	94	101	102	100	93	85
125-4/9-25	67	81	94	102	104	101	96	88
125-4/9-30	66	80	93	101	103	100	95	87
125-4/9-40	65	79	92	100	102	99	94	86

Installation diagram



1. HATCH/LP box
2. THT/HCH fan
3. Motorised arm (230 V AC or 24 V DC x2)
4. Roof opening
5. Roof
6. Protection against water entry
7. Direct assembly using the adjustable baseboard



--- Pre-installed by the manufacturer

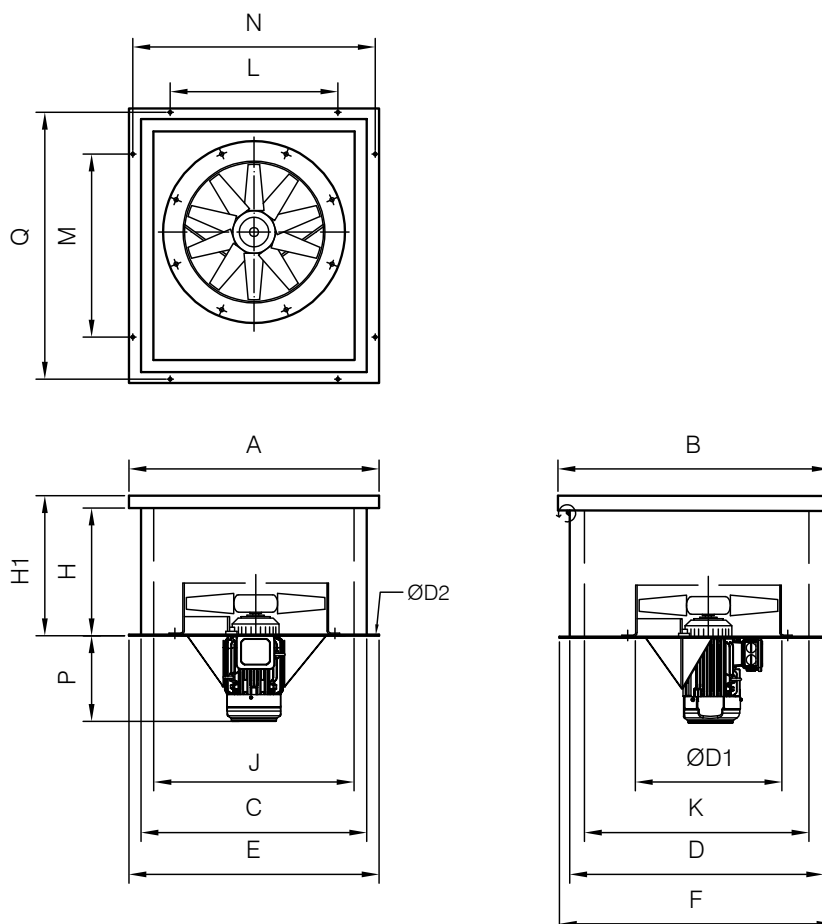
Note: For motors with powers greater than 5.5 kW it is advisable to use an electronic starter.

Position indicator

Actuator power supply 1x230 V 50/60 Hz or 24 V DC

Motor power supply 3x400 V 50 Hz

Dimensions mm



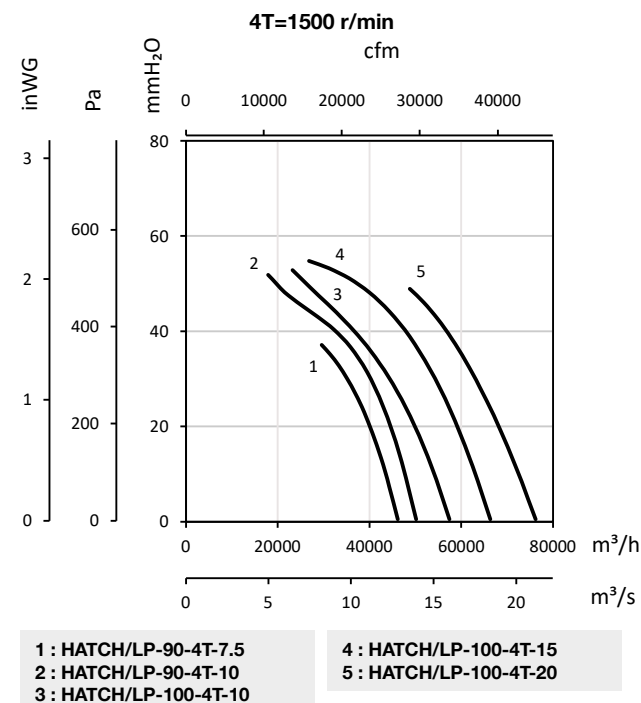
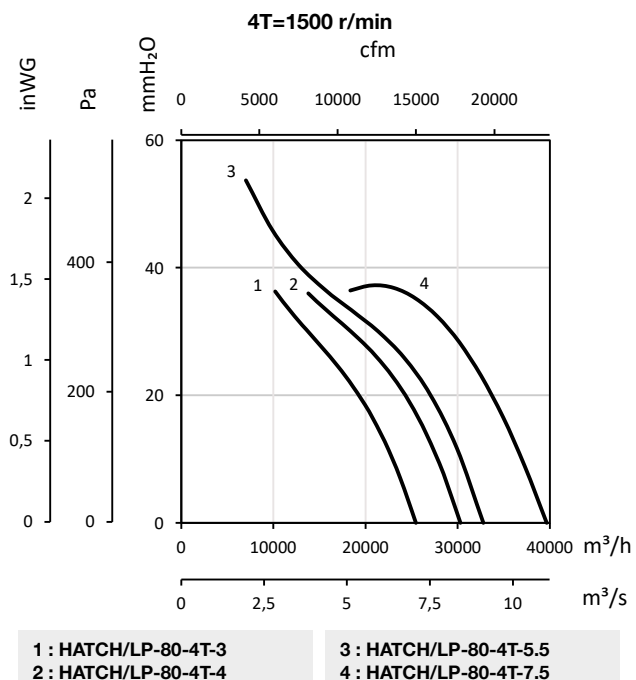
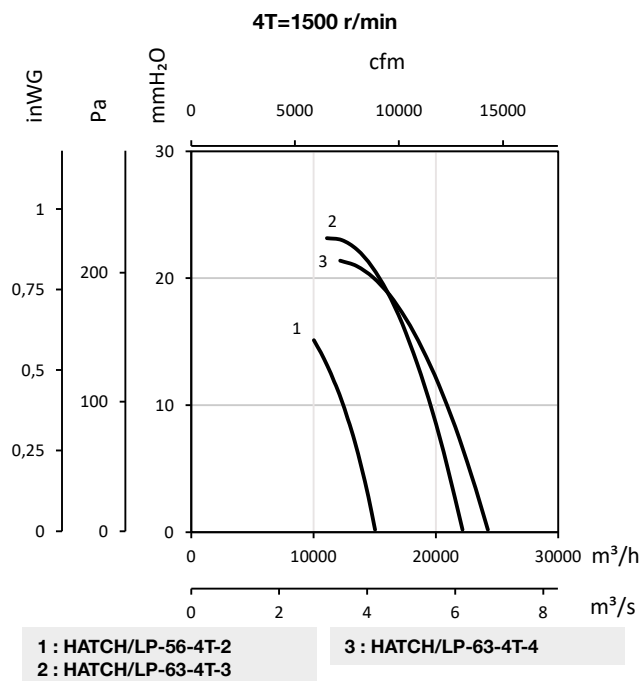
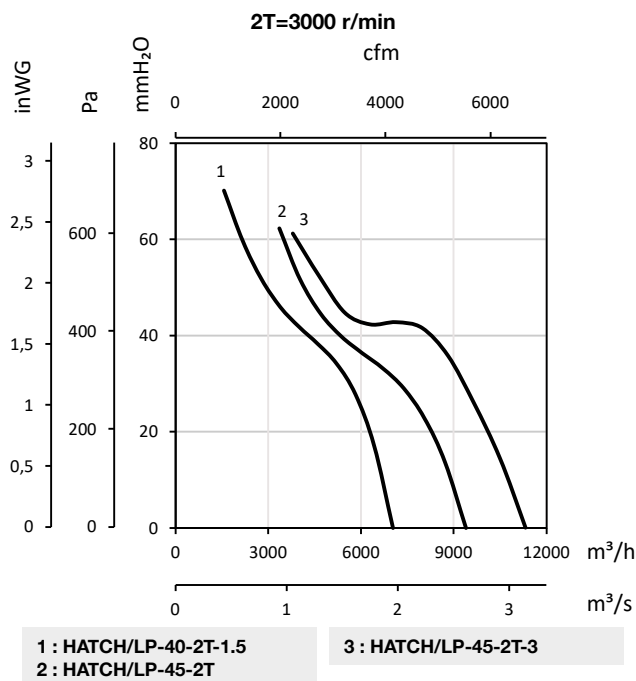
	A	B	C	D	ØD1	ØD2	E	F	H	H1	J*	K*	L	M	N	P*	Q
HATCH/LP-40-2T-1.5	790	895	740	830	400	8	820	900	440	470	720	800	550	600	795	190	875
HATCH/LP-45-2T-2	790	895	740	830	450	8	820	900	440	470	720	800	550	600	795	220	875
HATCH/LP-45-2T-3	790	895	740	830	450	8	820	900	440	470	720	800	550	600	795	245	875
HATCH/LP-56-4T-2	790	895	740	830	560	10	820	900	440	470	720	800	550	600	795	280	875
HATCH/LP-63-4T-3	1020	1145	970	1080	630	10	1050	1150	450	500	950	1050	750	800	1025	260	1125
HATCH/LP-63-4T-4	1020	1145	970	1080	630	10	1050	1150	450	500	950	1050	750	800	1025	305	1125
HATCH/LP-63-6T-1	1020	1145	970	1080	630	10	1050	1150	450	500	950	1050	750	800	1025	220	1125
HATCH/LP-80-4T-3	1020	1145	970	1080	800	10	1050	1150	450	500	950	1050	750	800	1025	250	1125
HATCH/LP-80-4T-4	1020	1145	970	1080	800	10	1050	1150	450	500	950	1050	750	800	1025	290	1125
HATCH/LP-80-4T-5.5	1020	1145	970	1080	800	10	1050	1150	450	500	950	1050	750	800	1025	270	1125
HATCH/LP-80-4T-7.5	1020	1145	970	1080	800	10	1050	1150	450	500	950	1050	750	800	1025	280	1125
HATCH/LP-80-6T-1.5	1020	1145	970	1080	800	10	1050	1150	450	500	950	1050	750	800	1025	235	1125
HATCH/LP-80-6T-2	1020	1145	970	1080	800	10	1050	1150	450	500	950	1050	750	800	1025	250	1125
HATCH/LP-90-4T-7.5	1230	1360	1180	1290	900	12	1260	1370	500	530	1160	1270	990	1040	1235	290	1345
HATCH/LP-90-4T-10	1230	1360	1180	1290	900	12	1260	1370	500	530	1160	1270	990	1040	1235	320	1345
HATCH/LP-90-6T-3	1230	1360	1180	1290	900	12	1260	1370	500	530	1160	1270	990	1040	1235	270	1345
HATCH/LP-90-6T-4	1230	1360	1180	1290	900	12	1260	1370	500	530	1160	1270	990	1040	1235	290	1345
HATCH/LP-100-4T-10	1230	1360	1180	1290	1000	12	1260	1370	500	530	1160	1270	990	1040	1235	300	1345
HATCH/LP-100-4T-15	1230	1360	1180	1290	1000	12	1260	1370	500	530	1160	1270	990	1040	1235	450	1345
HATCH/LP-100-4T-20	1230	1360	1180	1290	1000	12	1260	1370	500	530	1160	1270	990	1040	1235	450	1345
HATCH/LP-100-4T/9-25	1230	1360	1180	1290	1000	12	1260	1370	500	530	1160	1270	990	1040	1235	315	1345
HATCH/LP-100-6T-5.5	1230	1360	1180	1290	1000	12	1260	1370	500	530	1160	1270	990	1040	1235	465	1345
HATCH/LP-125-4T/6-20	1590	1590	1520	1520	1245	10	1600	1600	860	890	1500	1500	400	400	1575	180	1575
HATCH/LP-125-4T/6-25	1590	1590	1520	1520	1245	10	1600	1600	860	890	1500	1500	400	400	1575	200	1575
HATCH/LP-125-4T/6-30	1590	1590	1520	1520	1245	10	1600	1600	860	890	1500	1500	400	400	1575	240	1575
HATCH/LP-125-4T/9-25	1590	1590	1520	1520	1245	10	1600	1600	860	890	1500	1500	400	400	1575	200	1575
HATCH/LP-125-4T/9-30	1590	1590	1520	1520	1245	10	1600	1600	860	890	1500	1500	400	400	1575	240	1575
HATCH/LP-125-4T/9-40	1590	1590	1520	1520	1245	10	1600	1600	860	890	1500	1500	400	400	1575	300	1575

* J x K: Nominal opening dimension required in the roof.
 * P: Indicative dimension. Slight variations may occur.

Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm

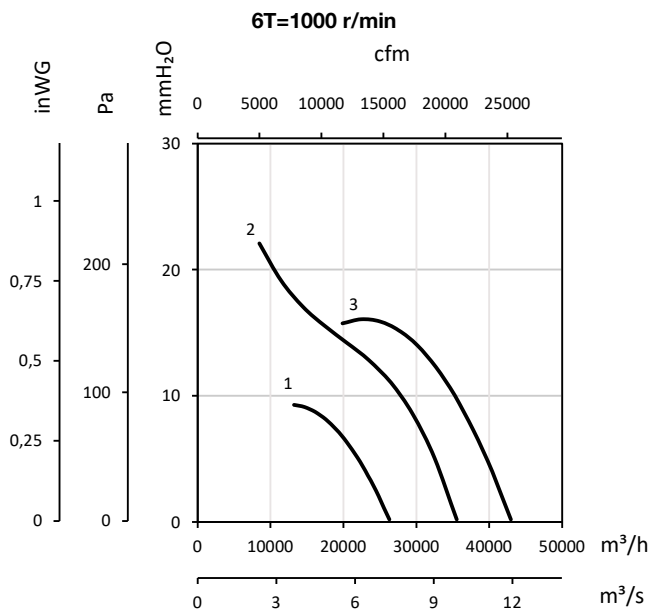
Pe= Static pressure in mm H₂O, Pa and inwg



Characteristic curves

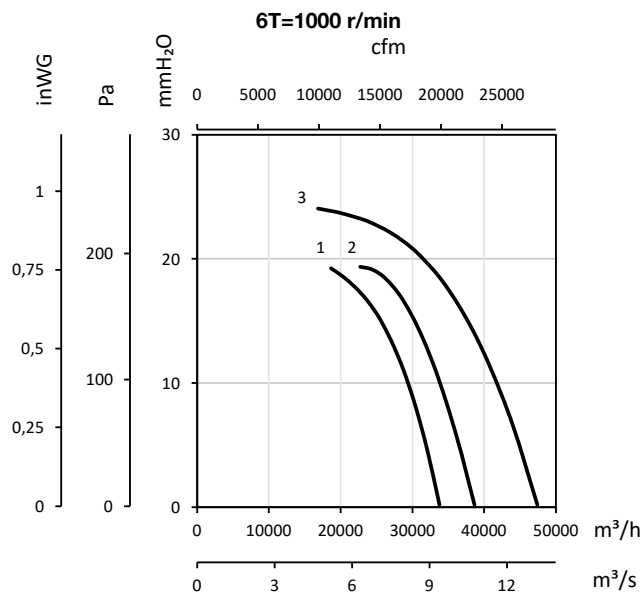
Q= Flow rate in m³/h, m³/s and cfm

Pe= Static pressure in mm H₂O, Pa and inwg



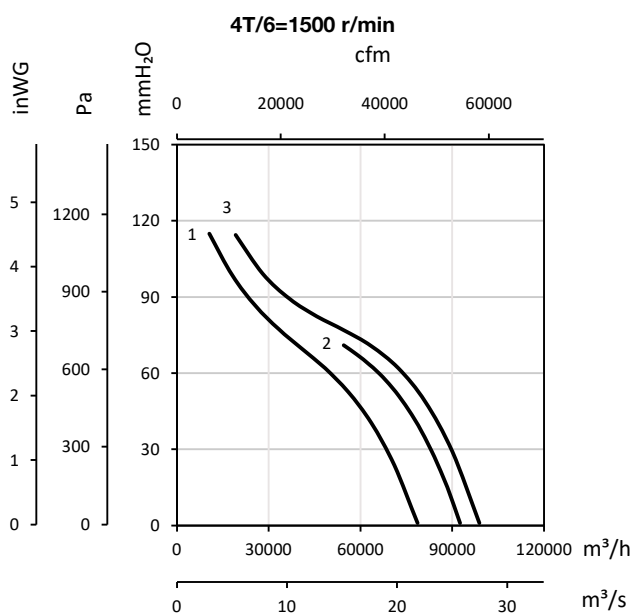
1 : HATCH/LP-63-6T-1
2 : HATCH/LP-80-6T-1.5

3 : HATCH/LP-80-6T-2



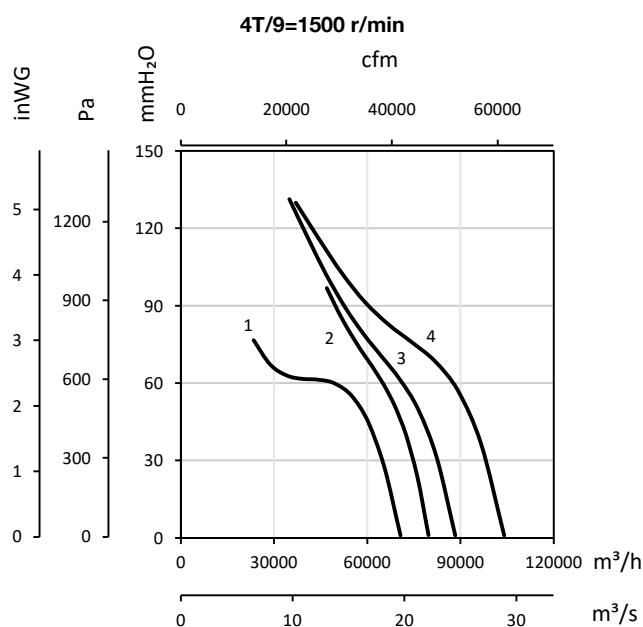
1 : HATCH/LP-90-6T-3
2 : HATCH/LP-90-6T-4

3 : HATCH/LP-100-6T-5.5



1 : HATCH/LP-125-4T/6-20
2 : HATCH/LP-125-4T/6-25

3 : HATCH/LP-125-4T/6-30



1 : HATCH/LP-100-4T/9-25
2 : HATCH/LP-125-4T/9-25

3 : HATCH/LP-125-4T/9-30
4 : HATCH/LP-125-4T/9-40

EUROPE

FINLAND

Sodeca Finland, Oy
HUITTINEN
Sales and Warehouse
Mr. Kai Yli-Sipilä
Metsälinnankatu 26
FI-32700 Huittinen
Tel. +358 400 320 125
orders.finland@sodeca.com

FINLAND

Sodeca Finland, Oy
VANTAA
Sales and Warehouse
Ainontie 12
FI-01630 Vantaa

Smoke Extraction
Mr. Antti Kontkanen
Tel. +358 400 237 434
akontkanen@sodeca.com
Mrs. Kaisa Partanen
Tel. +358 451 308 038
kpartanen@sodeca.com

Industrial Applications
Mr. Jarno Pikkumäki
Tel. +358 407 723 472
jpikkumaki@sodeca.com

ITALIA

Sodeca Italia
Smoke Extraction
Mrs. Martina Biteznik
Tel. +39 346 310 46 18
vendite@sodeca.com
mbiteznik@sodeca.com

Industrial Applications
Marelli Ventilazione, S.R.L.
Viale del Lavoro, 28
37036 San Martino B.A.
(VR), ITALY
Tel. +39 045 87 80 140
info@marelliventilazione.com

PORTUGAL

Sodeca Portugal, Unip. Lda.
PORTO
Rua Veloso Salgado 1120/1138
4450-801 Leça de Palmeira
Tel. +351 229 991 100
geral@sodeca.pt

LISBOA
Pq. Emp. da Granja Pav. 29
2625-607 Vialonga
Tel. +351 219 748 491
geral@sodeca.pt

ALGARVE
Rua da Alegria, 33
8200-569 Ferreiras
Tel. +351 289 092 586
geral@sodeca.pt

UNITED KINGDOM

Sodeca Fans UK, Ltd.
Tamworth Enterprise Centre
Phillip Dix House, Corporation
Street, Tamworth, B79 7DN
UNITED KINGDOM
Tel. +44 (0) 1827 216 109
sales@sodeca.co.uk

NORWAY

Sodeca Norge AS
Per Krohgs vei 4C
1065 Oslo
NORWAY
Tel. +47 23 28 80 90
post@sodeca.no

AMERICA

CHILE

Sodeca Ventiladores, SpA.
Sra. Sofía Ormazábal
Santa Bernardita 12.005
(Esquina con Puerta Sur)
Bodegas b24 a b26,
San Bernardo, Santiago, CHILE
Tel. +56 22 840 5582
ventas.chile@sodeca.com

COLOMBIA

Sodeca Latam, S.A.S.
Sra. Luisa Stella Prieto
Calle 7 No. 13 A-44
Manzana 4 Lote 1, Montana
Mosquera, Cundinamarca
Bogotá, COLOMBIA
Tel. +57 1 756 4213
ventascolombia@sodeca.com

PERÚ

Sodeca Perú, S.A.C.
Sr. Jose Luis Jiménez
C/Mariscal Jose Luis de
Orbegoso 331. Urb. El pino.
15022, San Luis. Lima, PERÚ
Tel. +51 1 326 24 24
Cel. +51 994671594
comercial@sodeca.pe

MIDDLE EAST AND AFRICA

UNITED ARAB EMIRATES

Sodeca MEA Trading L.L.C
C-83, Sama Residence
Al Nahda First, Deira, DUBAI
orders.mea@sodeca.com



HEADQUARTER

Sodeca, S.L.U.

Pol. Ind. La Barricona
Carrer del Metall, 2
E-17500 Ripoll
Girona, SPAIN
Tel. +34 93 852 91 11
General sales: comercial@sodeca.com
Export sales: ventilation@sodeca.com

PRODUCTION PLANT

Sodeca, S.L.U.

Ctra. de Berga, km 0,7
E-08580 Sant Quirze de Besora
Barcelona, SPAIN
Tel. +34 93 852 91 11
General sales: comercial@sodeca.com
Export sales: ventilation@sodeca.com



www.sodeca.com

