

# Horizontal Discharge Fan

# HDF EC



## Description

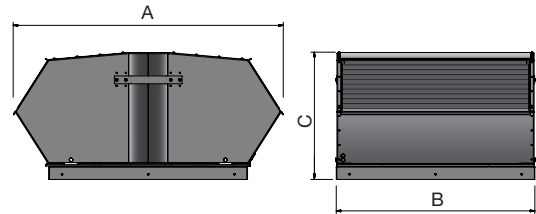
The HDF EC range of roof fans have a square connection with a horizontal discharge pattern.

The combination of a high quality external rotor motor and backward curved impeller ensures high performance and safe operation.

They are manufactured from black polyester coated galvanised sheet metal for superior corrosion resistance. The speed controllable motors have sealed for life ball bearings.

HDF EC roof units have a swing out design for easy cleaning and maintenance and have an IP54 rating.

## Dimensions



Product	Dim mm	A mm	B mm	C mm	m kg
HDF300 EC	300	305	305	188	4,90
HDF400 EC	400	415	415	216	7,6
HDF560 EC	560	564	564	336	23,5
HDF560H EC *	560	564	564	336	25,8
HDF660 EC	660	663	663	391	35,5
HDF660H EC *	660	663	663	391	37
HDF760 EC *	760	763	763	487	50,9
HDF760H EC *	760	763	763	487	67,2
HDF960 EC *	960	963	963	534	86,9

Fans are 230 volt except where marked with \* where they are 400 volt.

## Ordering example

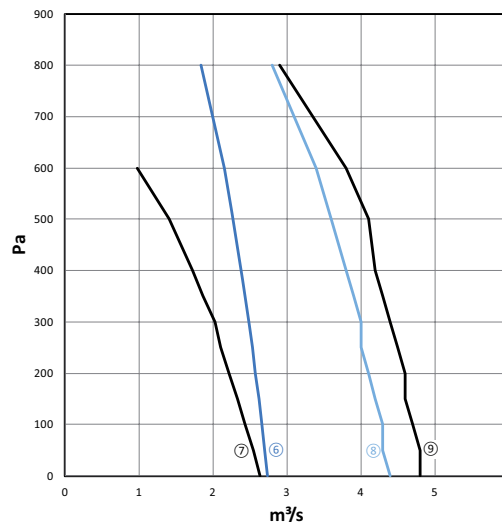
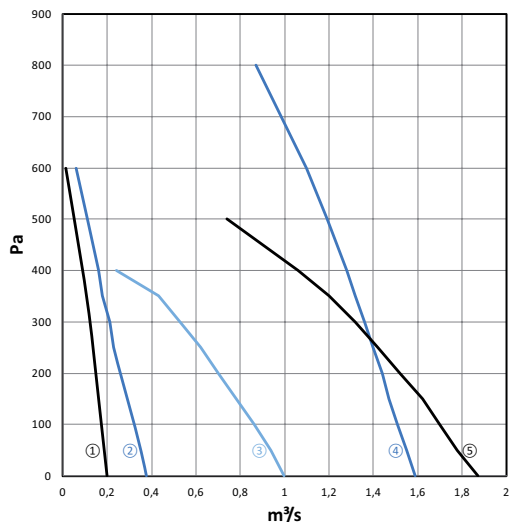
Product	<b>HDF</b>	<b>560</b>	<b>EC</b>
Size			
Motor			



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## Technical data



Graph Ref.	Product	m³/s @ Pa												Motor W	Amps FLC	Speed RPM
		0	50	100	150	200	250	300	350	400	500	600	800			
1	HDF300 EC	0,198	0,185	0,172	0,16	0,148	0,135	0,122	0,108	0,09	0,05	0,012		101	0,82	3400
2	HDF400 EC	0,378	0,35	0,32	0,29	0,26	0,23	0,21	0,18	0,16	0,11	0,06		161	1,28	3860
3	HDF560 EC	0,999	0,94	0,86	0,78	0,7	0,62	0,53	0,43	0,24				323	1,41	1650
4	HDF560H EC	1,59	1,55	1,51	1,47	1,44	1,4	1,36	1,32	1,28	1,19	1,1	0,87	1250	1,94	2490
5	HDF660 EC	1,87	1,78	1,7	1,62	1,52	1,42	1,32	1,2	1,06	0,74			747	3,41	1410
6	HDF660H EC	2,74	2,7	2,66	2,62	2,57	2,53	2,48	2,44	2,38	2,27	2,15	1,84	2520	3,88	2450
7	HDF760 EC	2,64	2,55	2,44	2,33	2,22	2,11	2,03	1,86	1,73	1,41	0,98		1240	1,95	1400
8	HDF760H EC	4,4	4,3	4,3	4,2	4,1	4	4	3,9	3,8	3,6	3,4	2,8	3550	5,4	1630
9	HDF960 EC	4,8	4,8	4,7	4,6	4,6	4,5	4,4	4,3	4,2	4,1	3,8	2,9	3730	5,7	1350

Graph Ref.	Product	Frequency	Sound Power Level								dB(A) @ 3m
			63	125	250	500	1K	2K	4K	8K	
1	HDF300 EC	Inlet	60	64	66	69	65	62	61	58	67
		Breakout	40	51	62	68	68	68	65	57	
2	HDF400 EC	Inlet	66	76	72	71	68	63	63	54	67
		Breakout	50	59	66	71	70	71	66	55	
3	HDF560 EC	Inlet	63	72	70	72	66	63	62	54	69
		Breakout	47	62	68	71	70	67	63	53	
4	HDF560H EC	Inlet	67	72	81	83	81	79	76	71	83
		Breakout	54	64	80	82	84	84	79	72	
5	HDF660 EC	Inlet	64	71	74	75	71	67	64	65	69
		Breakout	44	63	68	70	71	67	62	58	
6	HDF660H EC	Inlet	72	78	89	87	85	83	79	76	84
		Breakout	56	68	85	85	86	83	78	74	
7	HDF760 EC	Inlet	62	72	75	75	71	72	69	74	72
		Breakout	48	71	70	73	73	69	65	63	
8	HDF760H EC	Inlet	72	86	87	85	85	83	81	87	83
		Breakout	68	79	82	83	83	81	78	76	
9	HDF960 EC	Inlet	72	81	84	84	83	79	76	71	82
		Breakout	62	76	78	80	86	77	73	66	