

Insulated rectangular self-cleaning duct fan. Very low profile design. Backward curved centrifugal impeller. Casing manufactured from heavy gauge galvanised sheet steel. 50mm thickness of M0 glass fibre internal acoustic insulation. External rotor motor, speed controllable, Class F insulation. External wiring terminal box. Safety thermal overload protection.

Motors

Outer rotor motors. Single-phase models 230V-50Hz, IP54 or IP44 depending on models, adjustable via voltage inverter. Three-phase models 230/400V-50Hz, IP54, Class F, controllable by frequency inverter.

Additional information

They can be installed in any position.



Inspection door
Inspection door that facilitates maintenance.



Versatile design
Can be installed in any position.



Centrifugal backward curved impeller
To prevent accumulation of dirtiness. Dynamically balanced.

TECHNICAL CHARACTERISTICS

Before making any electrical connection ensure that the voltage and frequency of the mains electrical supply matches that of the fan data plate label.

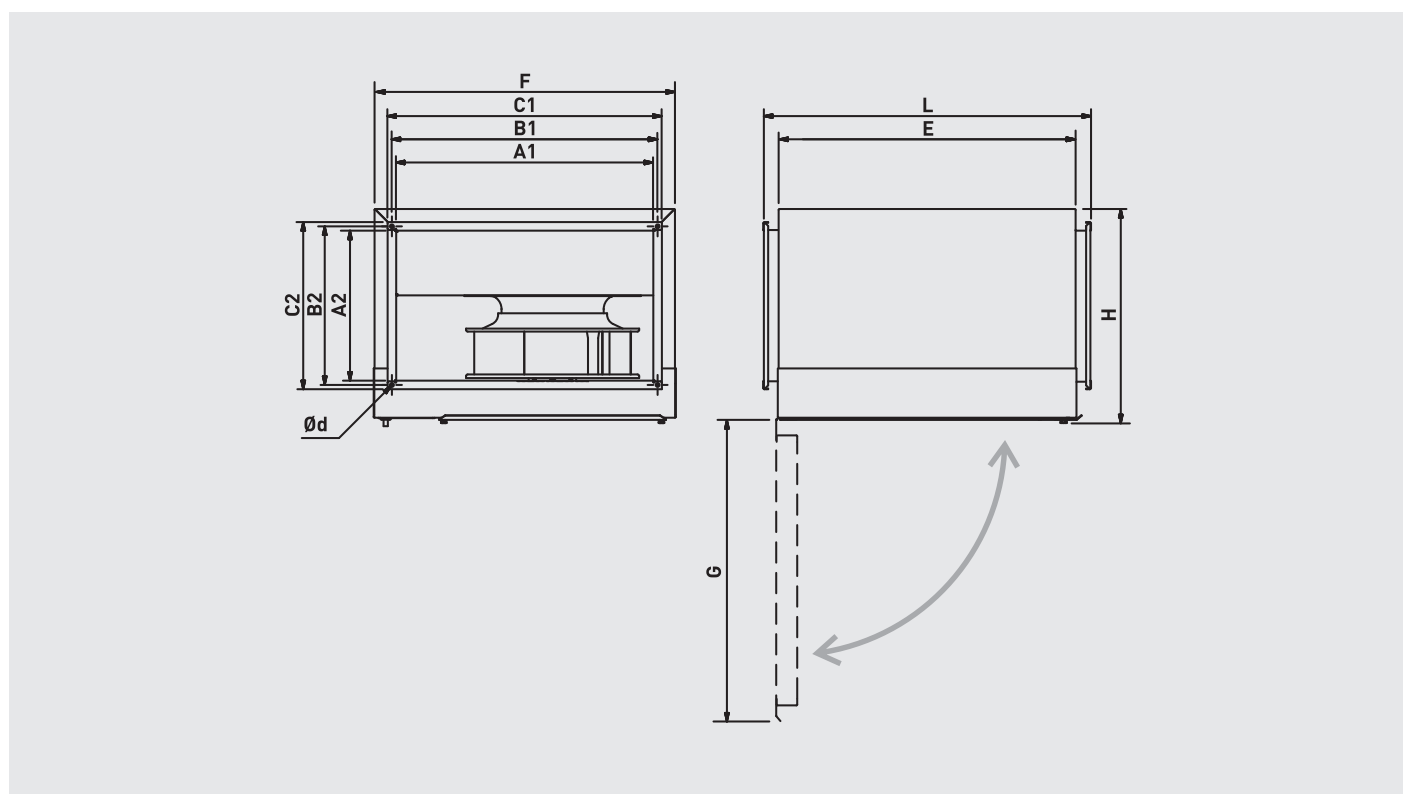
Model	Duct size (mm)	Speed (rpm)	Maximum absorbed power (W)	Maximum absorbed current (A) 230V	Maximum airflow (m ³ /h)	Sound pressure level* (dB(A))			Max. air temp. (°C)	Weight (kg)	Speed controller RMB
						Inlet	Rad.	Outlet			
IRAB/4-315 A N	600x350	1397	278	1,2	2.620	58	48	66	-40/70	54	RMB-1,5
IRAB/4-315 B N	600x350	1388	569	2,4	3.710	60	50	70	-40/70	57	RMB-3,5
IRAB/4-355 N	700x400	1402	845	3,6	5.600	62	51	74	-40/50	66	RMB-5

Model	Duct size (mm)	Speed (rpm)	Maximum absorbed power (W)	Maximum absorbed current (A)		Maximum airflow (m ³ /h)	Sound pressure level* (dB(A))			Max. air temp. (°C)	Weight (kg)	Speed controller** RMT
				230V	400V		Inlet	Rad.	Outlet			
IRAT/4-315 A N	600x350	1400	244	0,9	0,5	2.550	58	47	66	-40/50	52	RMT-1,5
IRAT/4-315 B N	600x350	1415	568	2,1	1,2	3.850	60	50	69	-40/70	55	RMT-1,5
IRAT/4-355 N	700x400	1400	813	2,9	1,7	5.560	62	53	73	-40/60	64	RMT-2,5
IRAT/4-400 A N	800x500	1430	1501	5,5	3,2	7.940	64	56	76	-40/70	91	RMT-5
IRAT/4-400 B N	800x500	1395	2142	6,9	4,0	9.580	65	58	78	-40/40	100	RMT-5
IRAT/4-450 N	1000x500	1380	2379	7,4	4,3	10.720	66	60	80	-40/40	125	RMT-5

* Average sound pressure level, measured at 1,5 m in free field.

** Speed regulator selection: see electric accessories section.

DIMENSIONS (MM)

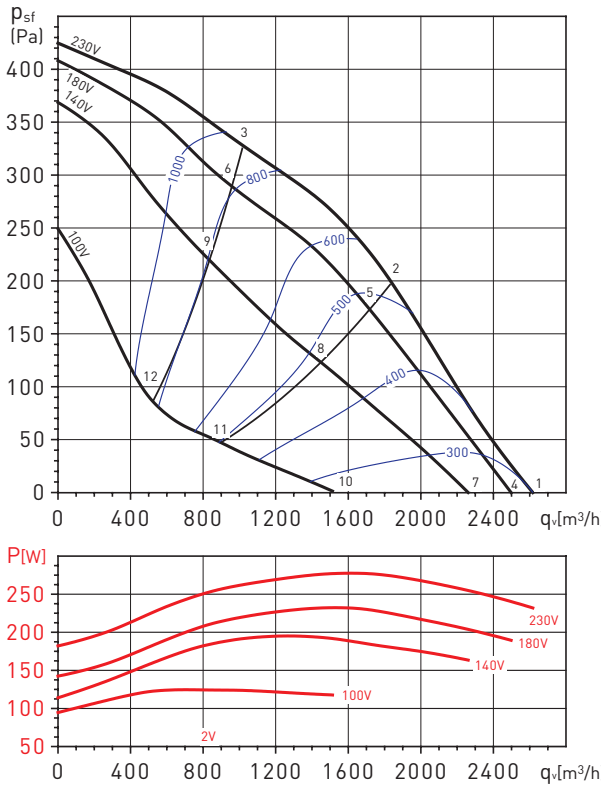


Model	A1	A2	B1	B2	C1	C2	d	E	F	G	H	L
315	600	350	620	370	640	390	9	697	705	704	500	765
355	700	400	720	420	740	440	9	770	804	777	550	840
400	800	500	820	520	850	550	9	861	905	868	647	930
450	1000	500	1020	520	1050	550	9	1961	1104	968	655	1030

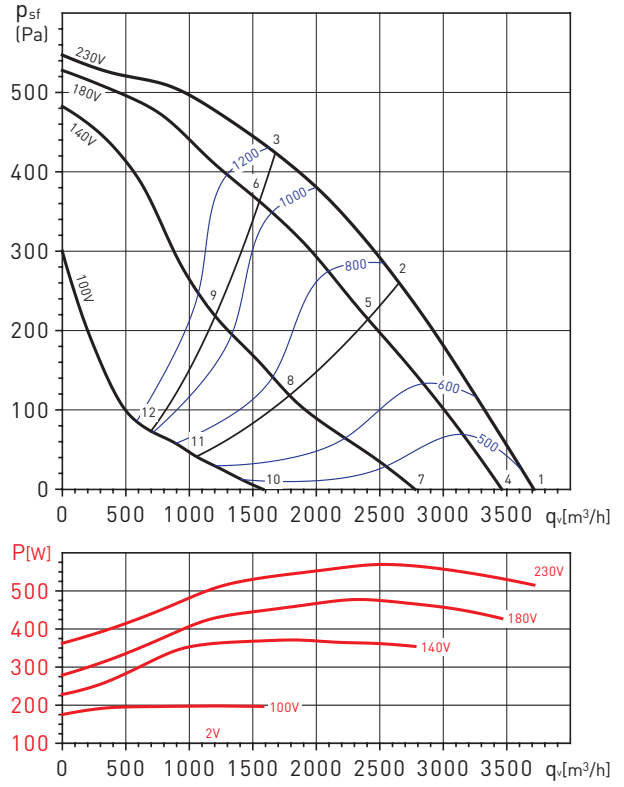
PERFORMANCE CURVES

- q_v : Airflow in m^3/h and m^3/s .
- p_{sf} : Static pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards
- SFP: specific fan power in $W/m^3/h$ (blue curves).
- P: Input power in W.

IRAB/4-315A N



IRAB/4-315B N



Sound spectrum level in dB(A)

Working point	63	125	250	500	1.000	2.000	4.000	8.000	LwA
1 Inlet	49	71	64	65	62	58	56	47	73
1 Outlet	50	73	76	78	81	78	70	62	85
1 Radiated	45	58	54	52	53	50	49	37	62
2 Inlet	47	71	60	63	59	56	44	50	73
2 Outlet	47	71	74	75	76	71	57	64	81
2 Radiated	42	61	52	48	48	46	41	33	62
3 Inlet	52	65	59	61	59	56	44	51	68
3 Outlet	47	66	70	71	72	67	53	62	77
3 Radiated	45	51	49	45	48	45	41	34	56
4 Inlet	48	70	64	64	61	58	55	46	72
4 Outlet	50	72	75	77	80	77	69	61	84
4 Radiated	44	57	54	51	52	49	48	36	61
5 Inlet	45	70	59	62	58	54	43	49	72
5 Outlet	46	70	72	74	75	70	56	63	80
5 Radiated	41	60	51	46	47	45	40	32	61
6 Inlet	51	64	57	59	57	54	43	49	67
6 Outlet	45	64	68	69	71	65	51	60	75
6 Radiated	43	50	47	44	46	44	39	32	54
7 Inlet	46	67	61	62	59	55	53	44	70
7 Outlet	47	70	73	75	78	74	67	58	82
7 Radiated	42	55	51	49	50	47	46	34	59
8 Inlet	41	66	55	58	54	51	39	45	68
8 Outlet	42	66	69	70	71	66	52	59	76
8 Radiated	37	56	47	43	43	41	36	28	57
9 Inlet	47	61	54	56	54	51	40	46	64
9 Outlet	42	61	65	66	68	62	48	57	72
9 Radiated	40	46	44	41	43	41	36	29	51
10 Inlet	37	59	53	53	50	47	44	35	61
10 Outlet	39	61	64	66	69	66	58	50	73
10 Radiated	33	46	43	40	41	38	37	25	50
11 Inlet	31	56	45	48	44	40	29	34	57
11 Outlet	32	55	58	59	61	56	41	48	66
11 Radiated	26	46	36	32	33	31	26	18	47
12 Inlet	37	50	44	46	44	41	29	36	53
12 Outlet	32	51	55	56	57	52	38	47	62
12 Radiated	30	36	34	30	33	30	26	19	41

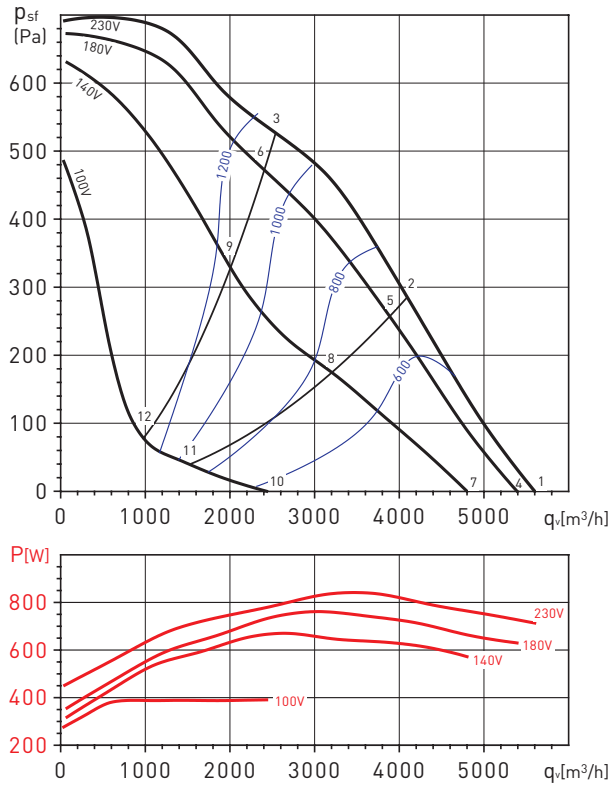
Sound spectrum level in dB(A)

Working point	63	125	250	500	1.000	2.000	4.000	8.000	LwA
1 Inlet	54	73	68	69	64	62	59	53	76
1 Outlet	55	74	80	81	84	80	73	66	88
1 Radiated	48	60	57	55	54	50	47	42	64
2 Inlet	52	72	65	66	61	60	48	54	74
2 Outlet	53	71	77	78	80	74	60	67	84
2 Radiated	45	63	55	53	52	48	42	37	64
3 Inlet	55	67	61	63	60	59	47	53	70
3 Outlet	51	68	72	74	75	70	57	65	80
3 Radiated	46	56	52	50	52	47	42	37	60
4 Inlet	53	71	67	68	63	61	57	51	74
4 Outlet	54	72	78	80	83	78	71	64	87
4 Radiated	46	59	56	53	52	49	45	40	62
5 Inlet	50	71	63	64	60	58	46	52	73
5 Outlet	51	69	75	76	78	73	58	65	82
5 Radiated	44	61	53	51	50	46	40	36	63
6 Inlet	53	65	59	61	58	57	45	51	68
6 Outlet	49	66	70	72	73	68	55	63	78
6 Radiated	44	54	50	48	50	45	40	35	58
7 Inlet	48	66	62	63	58	56	53	47	70
7 Outlet	49	67	74	75	78	73	67	59	82
7 Radiated	42	54	51	49	48	44	40	36	58
8 Inlet	44	64	56	58	53	51	39	45	66
8 Outlet	44	63	69	70	71	66	51	58	76
8 Radiated	37	55	47	44	44	39	34	29	56
9 Inlet	47	60	54	55	53	52	40	46	63
9 Outlet	43	61	65	67	68	63	49	58	73
9 Radiated	39	49	45	43	45	40	35	30	52
10 Inlet	36	54	50	51	45	43	40	34	57
10 Outlet	37	55	61	63	66	61	54	47	69
10 Radiated	29	41	38	36	35	32	28	23	45
11 Inlet	32	52	45	46	41	40	27	34	54
11 Outlet	32	51	57	58	60	54	40	46	64
11 Radiated	25	43	35	33	32	28	22	17	44
12 Inlet	35	48	42	43	41	39	28	34	51
12 Outlet	31	49	52	55	56	51	37	46	60
12 Radiated	27	36	33	31	32	28	23	18	40

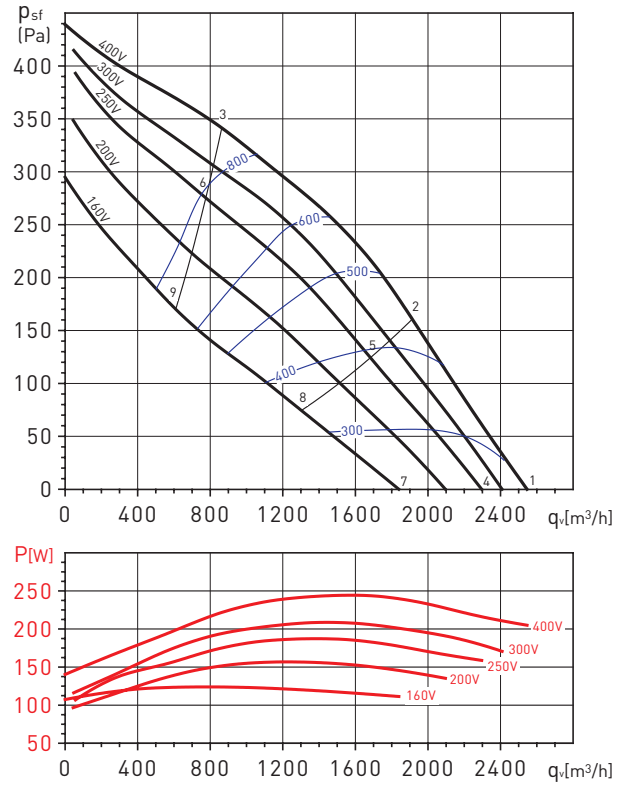
PERFORMANCE CURVES

- q_v : Airflow in m^3/h and m^3/s .
- p_{sf} : Static pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards
- SFP: specific fan power in $W/m^3/h$ (blue curves).
- P: Input power in W.

IRAB/4-355 N



IRAT/4-315A N



Sound spectrum level in dB(A)

Working point		63	125	250	500	1.000	2.000	4.000	8.000	LwA
1	Inlet	58	75	70	73	66	66	61	58	78
	Outlet	61	75	84	86	89	83	78	72	92
	Radiated	54	65	63	61	57	53	49	50	69
2	Inlet	57	74	68	68	63	63	50	55	76
	Outlet	60	73	81	82	84	77	65	70	88
	Radiated	48	63	59	57	54	48	42	41	66
3	Inlet	56	69	64	65	62	61	48	56	72
	Outlet	55	69	75	77	78	74	61	67	83
	Radiated	49	60	55	55	54	50	44	42	63
4	Inlet	57	74	69	72	65	65	60	57	77
	Outlet	61	74	83	85	88	82	77	71	91
	Radiated	53	65	62	60	57	52	48	49	68
5	Inlet	56	73	67	68	63	62	49	54	76
	Outlet	59	72	80	81	83	77	64	69	87
	Radiated	48	62	58	56	54	48	42	40	65
6	Inlet	55	68	62	63	60	60	47	54	71
	Outlet	53	68	74	75	77	72	60	66	81
	Radiated	48	58	54	54	53	49	43	40	62
7	Inlet	55	71	66	69	63	62	57	54	75
	Outlet	58	71	80	83	85	79	74	68	89
	Radiated	51	62	59	57	54	49	45	47	65
8	Inlet	51	69	62	63	58	57	44	50	71
	Outlet	55	67	76	76	79	72	59	65	82
	Radiated	43	58	53	51	49	43	37	35	60
9	Inlet	51	64	58	59	56	56	43	50	67
	Outlet	49	64	70	71	73	68	56	62	77
	Radiated	44	54	50	50	49	45	39	36	58
10	Inlet	40	57	52	55	48	48	43	40	60
	Outlet	43	57	66	68	71	65	60	54	74
	Radiated	36	47	45	43	39	35	31	32	51
11	Inlet	35	53	46	47	42	41	28	34	55
	Outlet	39	51	60	61	63	56	43	49	67
	Radiated	27	42	37	35	33	27	21	20	44
12	Inlet	35	48	43	44	41	40	28	35	52
	Outlet	34	48	55	56	58	53	40	47	62
	Radiated	29	39	35	34	34	29	24	21	42

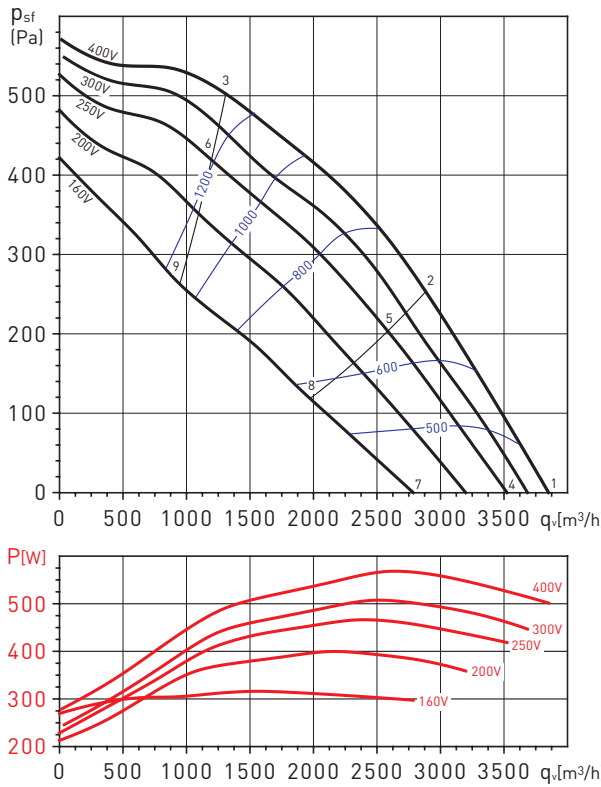
Sound spectrum level in dB(A)

Working point		63	125	250	500	1.000	2.000	4.000	8.000	LwA
1	Inlet	48	72	63	64	61	58	57	48	74
	Outlet	50	70	75	77	80	76	69	61	84
	Radiated	44	60	55	51	51	51	50	40	62
2	Inlet	47	71	59	63	57	55	51	43	72
	Outlet	47	67	73	74	76	71	64	55	80
	Radiated	43	60	53	47	48	48	45	36	61
3	Inlet	52	65	59	61	57	56	51	45	68
	Outlet	49	66	69	71	73	67	61	54	77
	Radiated	48	52	50	46	47	47	43	36	57
4	Inlet	46	70	61	62	58	56	55	46	71
	Outlet	48	68	73	75	78	74	67	59	82
	Radiated	42	57	53	49	49	49	48	38	60
5	Inlet	44	69	57	60	55	53	48	41	70
	Outlet	45	64	70	71	73	68	61	52	77
	Radiated	41	57	51	45	45	45	42	33	59
6	Inlet	50	63	56	58	55	53	48	42	66
	Outlet	47	63	67	69	70	65	59	52	75
	Radiated	45	50	48	43	45	45	41	34	55
7	Inlet	41	65	56	58	54	52	50	41	67
	Outlet	44	63	68	70	74	69	63	54	77
	Radiated	38	53	48	44	44	44	44	33	56
8	Inlet	38	63	51	54	49	47	43	35	64
	Outlet	39	59	65	66	68	63	56	47	72
	Radiated	35	51	45	39	40	40	37	28	53
9	Inlet	45	58	51	53	50	48	43	37	61
	Outlet	41	58	62	64	65	60	54	47	70
	Radiated	40	45	43	38	40	40	36	29	50

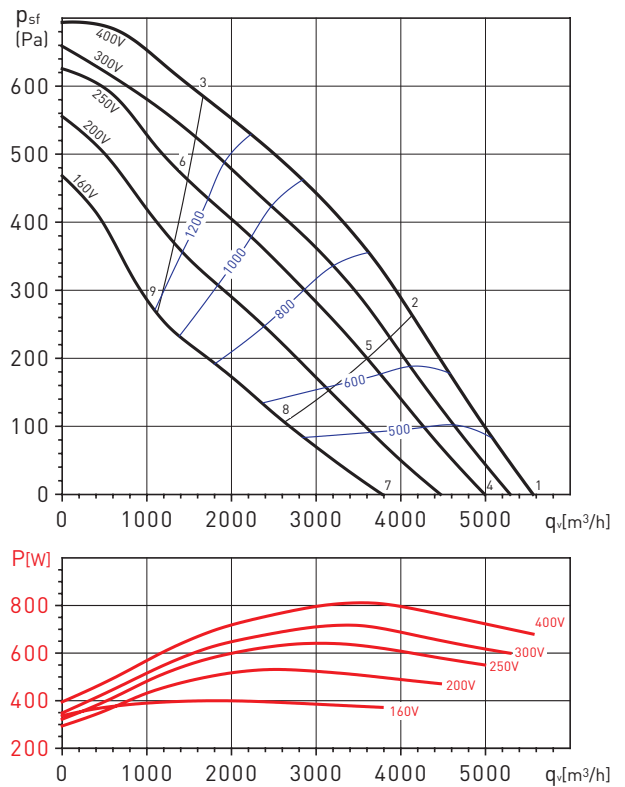
PERFORMANCE CURVES

- q_v : Airflow in m^3/h and m^3/s .
- p_{sf} : Static pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards
- SFP: specific fan power in $W/m^3/h$ (blue curves).
- P: Input power in W.

IRAT/4-315B N



IRAT/4-355 N



Sound spectrum level in dB(A)

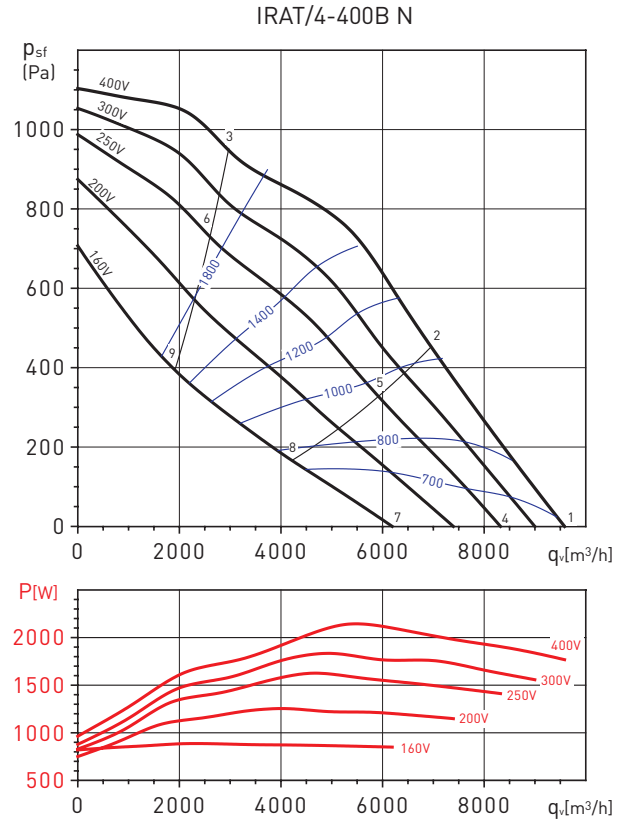
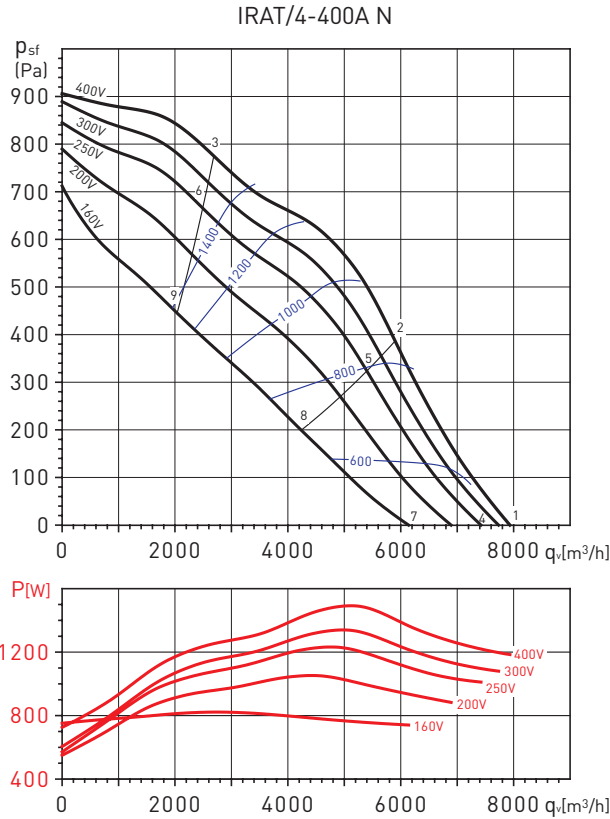
Working point		63	125	250	500	1.000	2.000	4.000	8.000	LwA
1	Inlet	54	74	68	70	66	63	61	54	77
	Outlet	55	73	79	82	84	79	73	65	88
	Radiated	49	63	60	58	56	54	52	45	67
2	Inlet	52	72	64	67	62	60	55	48	75
	Outlet	52	70	76	78	80	74	68	59	84
	Radiated	47	62	58	55	53	51	46	39	64
3	Inlet	55	67	62	64	61	60	55	49	71
	Outlet	53	68	73	75	77	72	66	59	81
	Radiated	50	56	55	53	53	51	46	41	61
4	Inlet	52	72	66	68	64	62	59	52	75
	Outlet	53	71	77	80	82	77	71	63	86
	Radiated	47	61	58	56	54	52	50	43	65
5	Inlet	50	70	62	64	60	58	53	46	72
	Outlet	50	68	74	76	78	72	65	57	82
	Radiated	45	59	55	52	51	48	44	37	62
6	Inlet	53	65	60	62	59	58	53	47	69
	Outlet	51	67	71	73	75	70	64	57	79
	Radiated	48	55	53	51	51	49	44	39	60
7	Inlet	47	66	61	63	58	56	54	47	69
	Outlet	48	66	72	74	77	72	66	58	81
	Radiated	42	56	53	51	49	47	44	37	59
8	Inlet	44	64	56	59	54	52	47	40	66
	Outlet	44	62	68	70	72	66	60	51	76
	Radiated	39	54	49	46	45	43	38	31	56
9	Inlet	48	60	55	57	55	53	48	42	64
	Outlet	46	62	66	68	70	65	59	52	74
	Radiated	43	50	48	46	46	44	39	34	55

Sound spectrum level in dB(A)

Working point		63	125	250	500	1.000	2.000	4.000	8.000	LwA
1	Inlet	58	73	71	73	68	66	63	57	78
	Outlet	59	76	84	86	88	83	77	70	92
	Radiated	52	65	65	64	60	56	52	48	70
2	Inlet	57	73	68	70	66	64	58	52	76
	Outlet	57	74	80	82	84	78	72	63	88
	Radiated	50	63	61	60	57	53	46	42	67
3	Inlet	56	67	65	66	64	63	58	53	73
	Outlet	55	70	76	78	80	75	69	63	84
	Radiated	51	60	59	59	57	53	48	44	65
4	Inlet	56	71	68	70	66	64	61	55	76
	Outlet	57	74	81	83	86	80	75	67	90
	Radiated	50	62	62	62	58	54	50	46	68
5	Inlet	53	70	65	67	63	61	55	49	73
	Outlet	54	71	77	79	81	75	69	60	85
	Radiated	47	60	58	57	54	49	43	39	64
6	Inlet	54	65	62	63	62	60	56	50	70
	Outlet	53	68	73	76	77	72	67	60	81
	Radiated	49	57	56	56	55	51	46	42	63
7	Inlet	50	65	62	64	60	58	55	49	70
	Outlet	51	68	75	77	80	74	69	61	84
	Radiated	44	56	56	56	52	48	44	40	62
8	Inlet	47	63	58	60	56	54	49	42	66
	Outlet	47	64	70	72	74	68	62	53	78
	Radiated	40	53	51	50	47	43	37	32	57
9	Inlet	48	59	57	57	56	54	50	44	64
	Outlet	47	62	67	70	71	66	61	54	76
	Radiated	43	51	50	51	49	45	40	36	57

PERFORMANCE CURVES

- q_v : Airflow in m^3/h and m^3/s .
- p_{sf} : Static pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards
- SFP: specific fan power in $W/m^3/h$ (blue curves).
- P: Input power in W.



Sound spectrum level in dB(A)

Working point		63	125	250	500	1.000	2.000	4.000	8.000	LwA
1	Inlet	63	74	74	77	72	70	66	62	81
	Outlet	63	79	87	89	91	85	80	73	95
	Radiated	56	67	69	70	65	59	53	52	74
2	Inlet	61	73	72	73	70	67	61	55	79
	Outlet	60	76	83	86	87	80	74	66	91
	Radiated	52	65	64	66	61	54	47	44	70
3	Inlet	59	69	69	69	68	67	62	57	76
	Outlet	59	73	80	82	84	79	74	67	88
	Radiated	53	63	62	65	62	56	50	48	69
4	Inlet	62	73	73	75	71	69	64	60	80
	Outlet	61	77	85	88	89	84	78	71	93
	Radiated	54	66	68	68	63	57	51	50	73
5	Inlet	59	71	70	71	68	65	59	53	77
	Outlet	58	74	81	84	85	78	72	64	89
	Radiated	50	63	62	64	59	52	45	42	68
6	Inlet	57	67	67	67	67	65	61	55	74
	Outlet	57	71	78	80	82	77	72	66	86
	Radiated	51	61	61	63	60	54	49	46	68
7	Inlet	57	69	69	71	67	65	60	56	76
	Outlet	57	73	81	83	85	79	74	67	89
	Radiated	50	61	64	64	59	53	47	46	69
8	Inlet	54	66	65	66	63	60	54	48	72
	Outlet	53	69	76	79	80	73	67	59	84
	Radiated	45	58	57	59	54	47	40	37	63
9	Inlet	53	63	63	63	62	60	56	51	70
	Outlet	53	67	73	76	78	73	68	61	82
	Radiated	46	57	56	59	56	50	44	42	63

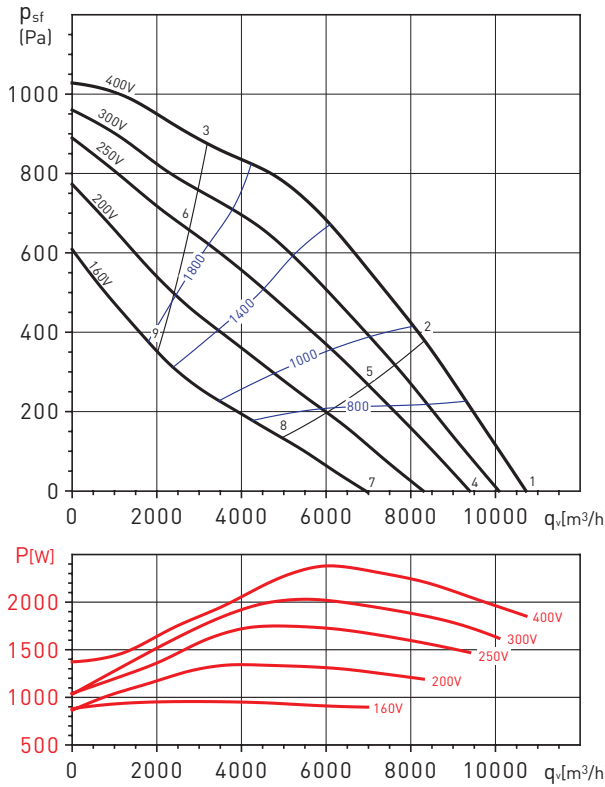
Sound spectrum level in dB(A)

Working point		63	125	250	500	1.000	2.000	4.000	8.000	LwA
1	Inlet	65	74	76	79	74	72	67	63	83
	Outlet	65	81	89	91	93	87	82	75	97
	Radiated	58	68	72	73	67	60	53	53	77
2	Inlet	63	73	74	74	72	69	63	57	80
	Outlet	63	78	85	88	89	82	76	68	93
	Radiated	54	66	66	69	63	56	48	46	73
3	Inlet	60	69	70	70	70	68	64	59	77
	Outlet	61	74	81	84	86	81	76	70	90
	Radiated	53	64	64	68	64	57	51	50	72
4	Inlet	62	71	73	76	71	69	64	60	80
	Outlet	62	78	86	89	90	84	79	72	94
	Radiated	55	65	69	70	64	57	50	50	74
5	Inlet	60	70	70	71	68	66	66	59	76
	Outlet	59	75	81	84	86	79	73	65	90
	Radiated	51	62	62	66	60	52	44	42	69
6	Inlet	57	66	67	67	67	65	61	56	74
	Outlet	58	72	78	81	83	78	73	67	87
	Radiated	50	62	61	65	61	54	48	47	69
7	Inlet	56	65	66	69	64	63	58	54	73
	Outlet	55	71	80	82	84	77	73	66	88
	Radiated	48	59	62	63	57	50	44	44	67
8	Inlet	52	62	63	63	61	58	52	46	69
	Outlet	52	67	74	77	78	71	65	58	82
	Radiated	43	55	55	59	53	45	37	35	62
9	Inlet	50	60	60	60	60	58	54	49	67
	Outlet	51	65	72	74	76	71	66	60	80
	Radiated	43	55	55	58	54	47	42	40	62

PERFORMANCE CURVES

- q_v : Airflow in m^3/h and m^3/s .
- p_{sf} : Static pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards
- SFP: specific fan power in $W/m^3/h$ (blue curves).
- P: Input power in W.

IRAT/4-450 N



Sound spectrum level in dB(A)

Working point		63	125	250	500	1.000	2.000	4.000	8.000	LwA
1	Inlet	65	74	76	79	74	72	67	63	83
	Outlet	65	81	89	91	93	87	82	75	97
	Radiated	58	68	72	73	67	60	53	53	77
2	Inlet	63	73	74	74	72	69	63	57	80
	Outlet	63	78	85	88	89	82	76	68	93
	Radiated	54	66	66	69	63	56	48	46	73
3	Inlet	60	69	70	70	70	68	64	59	77
	Outlet	61	74	81	84	86	81	76	70	90
	Radiated	53	64	64	68	64	57	51	50	72
4	Inlet	62	71	73	76	71	69	64	60	80
	Outlet	62	78	86	89	90	84	79	72	94
	Radiated	55	65	69	70	64	57	50	50	74
5	Inlet	60	70	70	71	68	66	59	54	76
	Outlet	59	75	81	84	86	79	73	65	90
	Radiated	51	62	62	66	60	52	44	42	69
6	Inlet	57	66	67	67	67	65	61	56	74
	Outlet	58	72	78	81	83	78	73	67	87
	Radiated	50	62	61	65	61	54	48	47	69
7	Inlet	56	65	66	69	64	63	58	54	73
	Outlet	55	71	80	82	84	77	73	66	88
	Radiated	48	59	62	63	57	50	44	44	67
8	Inlet	52	62	63	63	61	58	52	46	69
	Outlet	52	67	74	77	78	71	65	58	82
	Radiated	43	55	55	59	53	45	37	35	62
9	Inlet	50	60	60	60	60	58	54	49	67
	Outlet	51	65	72	74	76	71	66	60	80
	Radiated	43	55	55	58	54	47	42	40	62

MOUNTING ACCESSORIES

Model	Antivibration mount	Duct flange	Flexible connector	Sound attenuator	Defense guard	Damper	Filtration box G4
315	ISA	IBR-315	IAE-315	IAA-315	DEF-600x350	IJK-315	IFL-315 G4
355	ISA	IBR-355	IAE-355	IAA-355	DEF-700x400	IJK-355	IFL-355 G4
400	ISA	IBR-400	IAE-400	IAA-400	DEF-800x500	IJK-400	IFL-400 G4
450	ISA	IBR-450	IAE-450	IAA-450	DEF-1000x500	IJK-450	IFL-450 G4

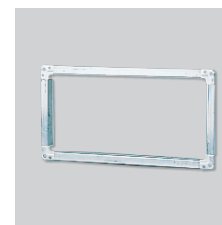
Model	Filtration box for F5,F6, F7 or F8 filters	Filter F5	Filter F6	Filter F7	Filter F8	Electric heater	Water coil
315	IFL-315 F	IFR-315 F5	IFR-315 F6	IFR-315 F7	IFR-315 F8	IBE-315/30T	IBW-315
355	IFL-355 F	IFR-355 F5	IFR-355 F6	IFR-355 F7	IFR-355 F8	IBE-355/30T	IBW-355
400	IFL-400 F	IFR-400 F5	IFR-400 F6	IFR-400 F7	IFR-400 F8	IBE-400/50T	IBW-400
450	IFL-450 F	IFR-450 F5	IFR-450 F6	IFR-450 F7	IFR-450 F8	IBE-450/63T	IBW-450



IFL-F
Filtering boxes without filter, to mount IFR-F filters.
IFR-F
Filters to install in filtering boxes IFL-F.



IBE
Electric heater.



IBR
Rectangular duct flange.



IAE
Rectangular flexible connector.



DEF
Rectangular protection guard.



ISA
Anti-vibration mounting.
(1 ISA = 4 supports)



IAA
Acoustic attenuator.



IBW
Hot water coil.



IFL G4
In-line duct bag filter.



IJK
Damper. Supplied with standard rectangular flanges. Manufactured from galvanised sheet steel. Fitted as standard with removable handle. Shaft diameter: 10 mm. As accessory: electrical damper actuator LM230A.

ELECTRICAL ACCESSORIES



RMB/RMT
Fan speed controllers.



VFKB IP65
Adjustable frequency drive for three phase motors.



VFTM IP21
Adjustable frequency drive for three phase motors.

Model	Adjustable frequency drive			
	Single-phase 1/230V/50-60Hz		Three-phase 3/400V/50-60Hz	
	VFKB	VFTM	VFKB	VFTM
IRAT/4-315 A N	VFKB-24	VFTM MONO 0,18	VFKB-45	VFTM TRI 0,37
IRAT/4-315 B N	VFKB-24	VFTM MONO 0,37	VFKB-45	VFTM TRI 0,37
IRAT/4-355 N	VFKB-24	VFTM MONO 0,37	VFKB-45	VFTM TRI 0,55
IRAT/4-400 A N	VFKB-27	VFTM MONO 1,1	VFKB-45	VFTM TRI 1,5
IRAT/4-400 B N	-	VFTM MONO 1,1	VFKB-45	VFTM TRI 1,5
IRAT/4-450 N	-	VFTM MONO 1,5	VFKB-45	VFTM TRI 2,2



DPS 2-30
DPS 10-100
Differential pressure switches:
- DPS 2-30: from 20Pa to 300Pa.
- DPS 10-100: from 100Pa to 1000Pa.



LM-230A
Electrical damper actuator.



Electric heater controller.
TTC-2000
TTC-2000 + TTS-1



TTC-40F + TTS-4
Three phase electric heater controller.
The TTC-40F needs an external temperature sensor to control the heater (TG-K300 or TG-R530).



Sondas de temperatura
TG-K330 for duct
TG-R530 for room t.



CPTA-S/CPTA-E
Presence detector.



SC02-A
CO₂ and temperature sensor.
SC02-AD
CO₂ and temperature sensor, with display.
SCHK-AD
CO₂ sensor, temperature and relative humidity with display.



TDP-S
Pressure sensor without display.
TDP-D
Pressure sensor with display.
TDP-PI
Pressure sensor with display