



PC Cooling fans

High performance case fans

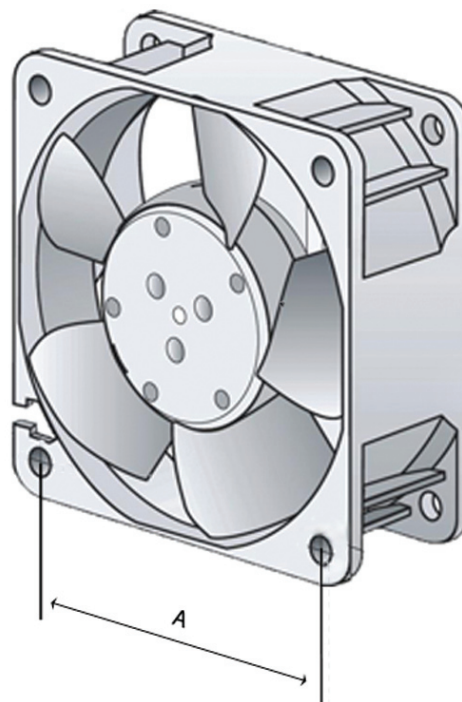
- DC fans
- Fibreglass-reinforced plastic casing. Impeller PA, housing PBT
- Protected against reverse polarity and locking
- Sensor signal for speed monitoring
- Fitted with 3 pin connector
- Connection via lead 313mm (+/- 10mm)
- Blowing over struts
- Protection IP20

	Airflow	Airflow	Voltage	Voltage Range	Noise	Sound Power	Bearings	Power	Speed	Temp range	Length	Width	Depth	Connector
Part Number	m³/h	CFM	VDC	VDC	dB(A)	Bel		W	RPM	°C	mm	mm	mm	
412J/2HH-RS0	24	14.1	12	8...13.5	46	6.1	Ball	3.30	13000	-20...+60	40	40	25	Molex 22-01-2035
622/2N-RS0	40	23.5	12	8...15	35	4.7	Ball	1.90	6100	-20...+70	60	60	25	Molex 22-01-2035
612J/2H-RS0	70	41.1	12	7...13.6	53	6.4	Ball	7.70	11700	-20...+70	60	60	32	Molex 22-01-2035
8212J/2N-RS0	132	77.7	12	7...13.6	55	6.6	Ball	10.00	8400	-20...+70	80	80	38	Molex 22-01-2035
8212J/2H3-RS0	190	111.8	12	6...13.8	66	7.3	Ball	25.00	12000	-20...+70	80	80	38	Molex 22-01-2035
3412N/2-RS0	84	49.4	12	8...15	32	4.7	Ball	2.20	2700	-20...+70	92	92	25	Molex 22-01-2035
3412N/2HH-RS0	102	60	12	8...13.2	39	5.1	Ball	2.90	3250	-20...+60	92	92	25	Molex 22-01-2035
3212J/2H-RS0	146	86	12	7...15	55	6.4	Ball	9.00	6800	-20...+70	92	92	38	Molex 22-01-2035
4412F/2-RS0	170	100.1	12	8...12.6	43	5.3	Ball	5.30	2900	-20...+60	119	119	25	Molex 22-01-2035
4412FN/2H-RS0	225	132.4	12	7...13.2	55	6.7	Ball	12.00	5400	-20...+70	119	119	25	Molex 22-01-2035
4112N/2H4-RS0*	355	208.9	12	9...14	67	7.4	Ball	32.00	6800	-20...+65	119	119	38	Molex 22-01-2035

* Air intake over struts and aluminium housing.

Fixing Centres

Frame Size	Dimension A (mm)
40	32
60	50
80	71.5
92	82.5
119	104.8



Terminal Assignment

- 1 = Blue (-)
- 2 = Red (+)
- 3 = White (Tacho)

Available on request:

- Electrically isolated sensor and signal circuit.
- Varying voltage potentials for power and logic circuit.

Signal data	Speed signal U_S Low	Condition: I_{sink}	Speed signal U_S High	Condition: I_{source}	Sensor operating voltage U_{BS}	Perm. sink current $I_{sink\ max.}$	Pulses per revolution	Fan description
Type	VDC	mA	VDC	mA	VDC	mA		Page
DV 5200	≤ 0,4	2	30	0	≤ 30	≤ 4	2	54
5112 N	≤ 0,4	2	15	0	≤ 5	≤ 20	2	55
5114 N / 5118 N	≤ 0,4	2	60	0	≤ 60	≤ 20	2	55
5300	≤ 0,4	2	≤ 72	0	≤ 72	≤ 4	2	56
5300 TD	≤ 0,4	2	72	0	≤ 72	≤ 20	6	57
7112 N / 7118 N	≤ 0,4	2	60	0	≤ 60	≤ 20	2	58
7114 N	≤ 0,4	2	30	0	≤ 30	≤ 20	2	58
7200 N	≤ 0,4	2	15	0	≤ 15	≤ 20	2	59
6300	≤ 0,4	2	≤ 72	0	≤ 72	≤ 20	2	61
6300 TD	≤ 0,4	2	72	0	≤ 72	≤ 20	6	62
DV 6200	≤ 0,4	2	30	0	≤ 60	≤ 20	2	64
6400	≤ 0,4	2	60	0	≤ 60	≤ 20	2	66
2200 FTD	≤ 0,4	2	72	0	≤ 72	≤ 20	6	70
RL 48	≤ 0,4	2	3	0	≤ 30	≤ 4	2	81
RL 65	≤ 0,4	2	30	0	≤ 30	≤ 4	2	82
RL 90 N	≤ 0,4	2	30	0	≤ 30	≤ 4	2	83
RLF 100	≤ 0,4	2	30	0	≤ 30	≤ 4	2	84
RG 90 N	≤ 0,4	2	30	0	≤ 30	≤ 4	2	85
RG 125 N	≤ 0,4	2	30	0	≤ 30	≤ 4	2	86
RG 160 N	≤ 0,4	2	30	0	≤ 30	≤ 20	2	87
RG 160 TD	≤ 0,4	2	60	0	≤ 60	≤ 20	6	88
RG 190 TD	≤ 0,4	2	72	0	≤ 72	≤ 20	6	89
RG 220 TD	≤ 0,4	2	72	0	≤ 72	≤ 20	6	90
RG 225 TD	≤ 0,4	2	72	0	≤ 72	≤ 20	6	91
RET 97 TD	≤ 0,4	2	72	0	≤ 72	≤ 20	6	92
REF 100	≤ 0,4	2	30	0	≤ 30	≤ 4	2	93
RER 120 TD	≤ 0,4	2	72	0	≤ 72	≤ 20	6	95
RER 133 TD	≤ 0,4	2	72	0	≤ 72	≤ 20	6	97
RER 160 TD	≤ 0,4	2	60	0	≤ 60	≤ 20	6	99
REF 175 TD	≤ 0,4	2	72	0	≤ 72	≤ 20	6	100
RER 175 TD	≤ 0,4	2	72	0	≤ 72	≤ 20	6	101
RER 190 TD	≤ 0,4	2	72	0	≤ 72	≤ 20	6	102
RER 220 TD	≤ 0,4	2	72	0	≤ 72	≤ 20	6	103
RER 225 TD	≤ 0,4	2	72	0	≤ 72	≤ 20	6	104

Attention:

With these fan options, deviations in regard to temperature range, voltage range and power consumption are possible compared with standard fan data.


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