



IJA Series

Induced Jet FAN



Induced Jet Fan – IJA Series

KRUGER

Fan

Construction

Double flanged casing is produced in mild steel or galvanised Steel. Impeller is made of PPG, PAG or Aluminum.

Finish

Painting or galvanized finish on all parts.

Motors

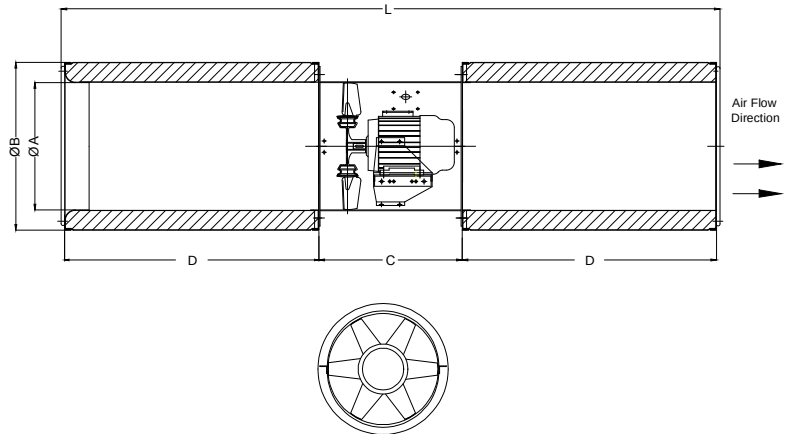
Totally enclosed Class 'F'/'H' motor with a min. IP54 protection. Standard motors up to 2.2kW are supplied with DOL starting, motors 3.0kW and above are with star/delta starting.

Others

Unidirectional fan. Reversible fan is available upon request.

Silencer

- Outer casing made of galvanized steel sheet and inner casing made of galvanized steel perforated sheet.
- Rounded nose to smooth airflow.
- Glass fiber as absorption filler material to achieve excellent acoustic performance.
- Each model is available with 2D silencer as standard. Non-standard length to meet special performance requirement can be supplied upon request.



Dimensions

Model	A	B	C (Max)	D	L (2D, Max)
IJA 315	315	415	355	630	1635
IJA 355	355	455	400	710	1840
IJA 400	400	500	450	800	2060
IJA 450	450	550	500	900	2310

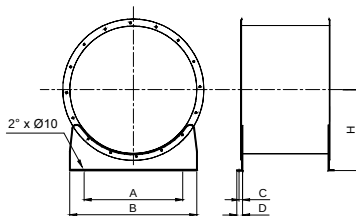
All Dimensions in mm.

Technical Data

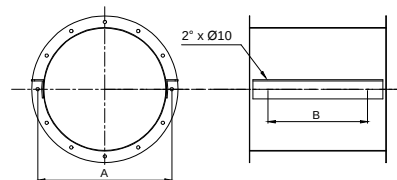
Model	Flow Rate m ³ /h	RPM	Outlet Velocity m/s	Absorbed Power kW	Voltage	Hz	Phase	dB(A) at 3m
IJA 315	2250	1450/1750	8.0	0.10	400/380	50/60	3	38/38
	4500	2850/3450	16.0	0.74	400/380	50/60	3	54/54
IJA 355	3240	1450/1750	9.1	0.17	400/380	50/60	3	42/43
	6480	2850/3450	18.2	1.33	400/380	50/60	3	58/58
IJA 400	4500	1450/1750	10.0	0.28	400/380	50/60	3	44/46
	9000	2850/3450	20.0	2.11	400/380	50/60	3	60/62
IJA 450	6000	1450/1750	10.5	0.38	400/380	50/60	3	46/47
	12000	2850/3450	21.0	2.90	400/380	50/60	3	62/62

Accessories

Mounting Feet



Hanger

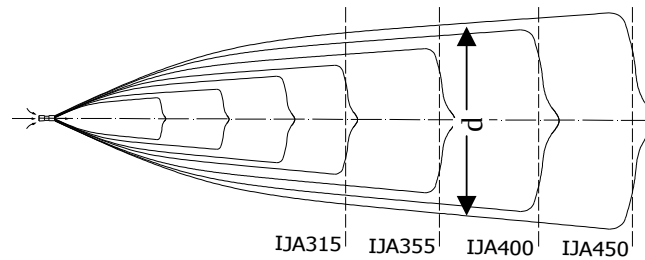


Dimensions

Model	Mounting Feet						Hanger		
	A	B	C	D	H	Wt/set (kg)	A	B	Wt/set (kg)
IJA 315	265	315	25	50	209	2	355	263	2.2
IJA 355	290	355	25	50	237	2	395	263	2.2
IJA 400	304	400	25	50	265	2.5	440	263	2.2
IJA 450	375	450	25	50	288	3	490	288	2.4

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Distance from Nozzle (m)		2	4	6	8	10	12	14	16	18	20	22	24
Flow Width d (m)		0.85	1.70	2.55	3.40	4.25	5.10	5.95	6.80	7.65	8.50	9.35	10.20
Center Line Velocity (m/s)*	IJA 315	5.62	3.47	2.42	1.86	1.51	1.27	1.09	0.91	0.73	0.55	0.37	0.25
	IJA 355	6.42	4.35	3.05	2.35	1.91	1.61	1.39	1.22	1.09	0.96	0.83	0.70
	IJA 400	7.41	5.26	3.72	2.87	2.33	1.97	1.70	1.50	1.34	1.21	1.10	1.01
	IJA 450	7.82	5.73	4.37	3.36	2.74	2.32	2	1.77	1.58	1.43	1.3	1.2

Distance from Nozzle (m)		26	28	30	32	34	36	38	40	42	44	46	48
Flow Width d (m)		11.05	11.90	12.75	13.60	14.45	15.30	16.15	17.00	17.85	18.70	19.56	20.41
Center Line Velocity (m/s)*	IJA 315	-	-	-	-	-	-	-	-	-	-	-	-
	IJA 355	0.57	0.44	0.24	-	-	-	-	-	-	-	-	-
	IJA 400	0.94	0.84	0.74	0.64	0.54	0.44	0.26	-	-	-	-	-
	IJA 450	1.11	1.03	0.97	0.91	0.85	0.81	0.77	0.67	0.57	0.47	0.37	0.27

* Tentative data based on free air jet

TESTING



Certified by **TÜV SÜD** which is a leading international service organization focusing on consulting, testing, certification and training.

IJA series was tested in accordance with EN 12101-3:2002 F400."



Class	Temperature (°C)	Minimum functioning period (minutes)
F200	200	120
F300	300	60
F400	400	120
F600	600	60
F842	842	30
Others	250	120

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The company is always improving and developing its products, therefore the company reserves the right of making changes to the illustrated products.
Certified dimension can be provided upon request.