



#### ✿ JCA APPLICATION

Model JCA nozzle is designed for areas where a long throw is needed. The large free area allows handling of large airflow rates with low pressure loss. Available with one, two, three, or four elements per panel. Adjustable core may be rotated through 360° and tilted up to a maximum of 30° from mid position to produce a wide variation in air jet angles.

#### ✿ JCA STANDARD CONSTRUCTION / FEATURES

JCA is made of aluminum construction. The standard finish is polyester powder coated RAL 9010 white.

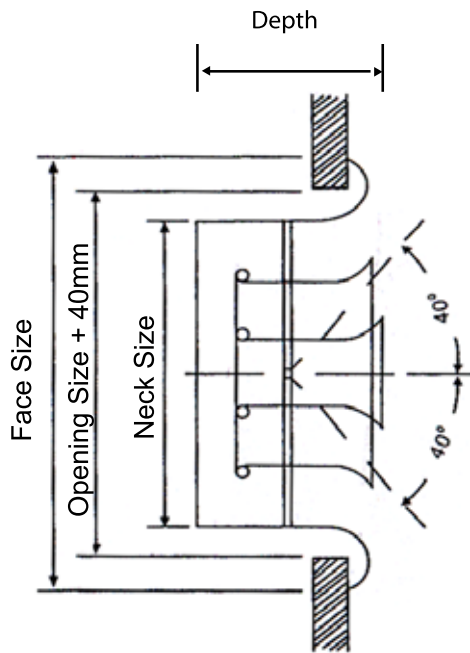


## ✿ JCA OPTIONS

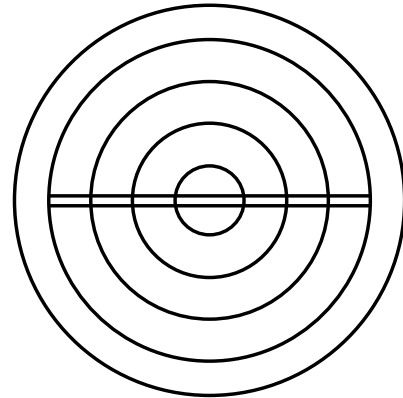
- Jet nozzles are available with plenum box manufactured from galvanized steel.
- Also available with radial damper.
- RAL colors to suit customers' requirements.

## ✿ JCA PHYSICAL DIMENSION

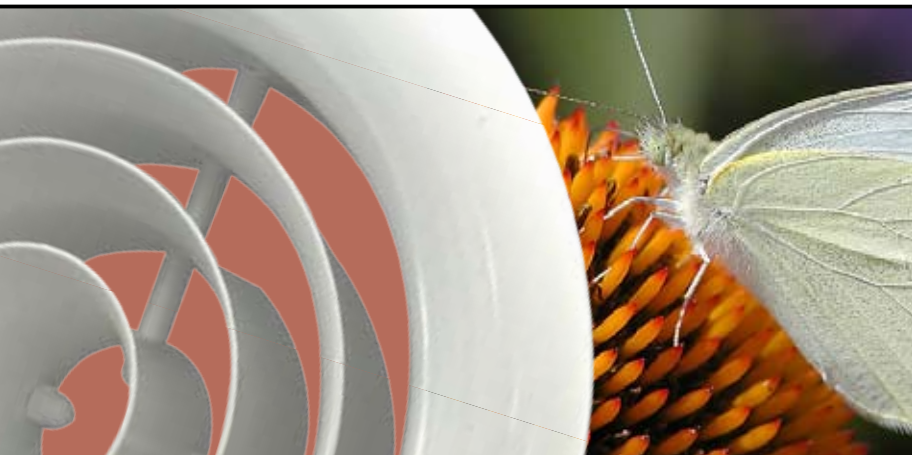
Normalal/Neck Size	Wall Size (mm)	Face Size (mm)	Depth (mm)
150	190	230	75
200	240	280	75
250	290	330	75
300	340	380	75
350	390	430	75
400	440	480	80



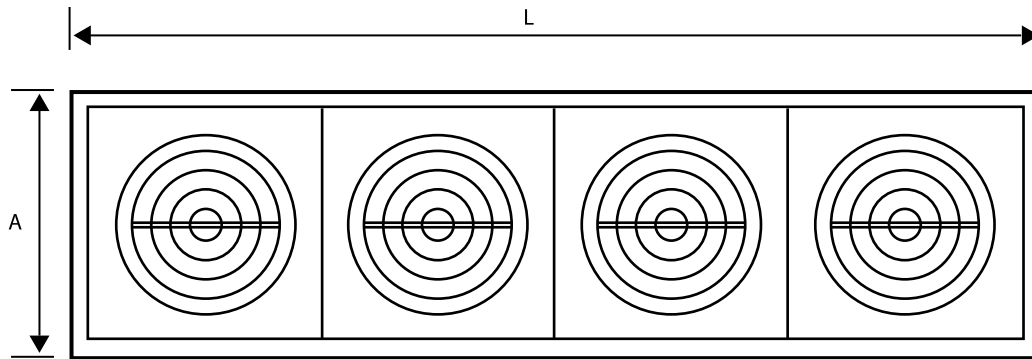
Side View



Front View



✦ JCA MULTIPLE SECTION



Number of Elements	L					A
	200	250	300	350	400	
2	740	840	940	1040	1140	Normal Size+140
3	1080	1230	1380	1530	1680	Normal Size+140
4	1420	1620	1820	2020	2220	Normal Size+140

✦ JCA ORDER KEY INFORMATION

JCA - A - E2 + RBD

Accessories	Radial Blade Damper(RBD), Plenum Box (PB)
Element	No.of Element (E2), (E3),(E4)
Material	Aluminum
Model	JCA - Core Adjustable

### ✿ JCA PERFORMANCE DATA

Neck Size mm	Vel. (fpm)	400	600	800	1000	1200	1400	1600	2000
	PT(mmAg)	0.027	0.06	0.07	0.10	0.13	0.19	0.26	0.34
150	Flow(CFM)	76	115	154	190	231	271	309	385
	Throw(ft)	85	13	18	19	27	32	36	50
	NC	-	26	30	36	43	49	53	56
200	Flow(CFM)	137	206	275	343	412	480	549	685
	Throw(ft)	12	18	24	30	36	43	48	67
	NC	-	26	30	36	43	49	53	56
250	Flow(CFM)	215	322	429	537	644	753	859	1073
	Throw(ft)	15	23	31	38	45	53	60	82
	NC	-	24	28	33	38	42	46	50
300	Flow(CFM)	309	465	619	774	929	1084	1238	1548
	Throw(ft)	18	26	37	46	55	64	72	101
	NC	-	24	29	33	38	42	46	50
350	Flow(CFM)	414	64	712	919	1036	1334	1482	1779
	Throw(ft)	21	32	43	50	60	67	77	93
	NC	-	25	30	34	40	43	47	51
400	Flow(CFM)	482	676	829	1036	1244	1451	1658	2073
	Throw(ft)	22	32	42	53	64	74	84	100
	NC	28	30	32	34	40	43	47	51

#### Notes:

- Static Pressure is in Inch of Water, Air volume is in CFM.
- NC values are determined by subtracting 10 dB from the sound power level for room absorption.
- Throw data is presented for terminal velocities of 50 ft/min.
- Throw values are given for isothermal conditions.