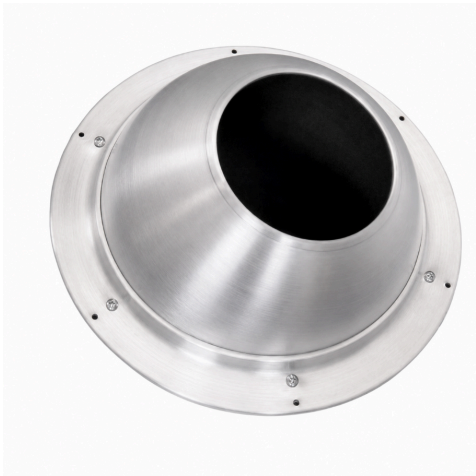


EDU - EDU-M Long range nozzle diffusers



Description

Long range aluminium diffusers, adjustable with a max. angle of 30°.

Characteristics

Material: aluminium.

Finish: satin aluminium.

Installation: with duct flange or with fitting for flexible duct or with fitting for rigid circular duct.

Installation height between 3 m and 30 m depending on the model.

From model 40 to 200 made with central cone.

Use

Installation in rooms with very high ceilings or where a long air throw is needed.

Models

- EDU Long throw nozzle diffusers.
- EDU-M Long throw nozzle diffusers prepared for motor.

Accessories

- Servomotors for EDU-M: the servomotor is supplied disassembled from the long range diffuser (installation by the customer);
- EDU-C - Screw cover;
- EDU-SW - Rear swirl (throw reducer);
- EDU-RF - Fitting for flexible duct;
- EDU-RC - Fitting for circular duct.

On request

- Painted on request.

Dimensions

All dimensions are expressed in mm.

Technical Drawing	Models	Effective Cross-Section (m2)	Ø D	Ø S	Ø C	Ø F	E	L1	J	Ø Hole
	40	0,0013	40	80	135	119	41	61	139	115
	50	0,0020	50	102	165	148	50	75	169	135
	80	0,0050	80	160	245	226	52	118	249	205
	110	0,0101	110	200	285	266	82	140	289	250
	150	0,0177	150	300	385	366	128	220	389	352
	200	0,0314	200	400	485	466	172	275	489	452
	230	0,0415	230	400	485	466	160	265	489	452

Operating Data

- Vk: effective speed (m/s).
- m³/h: flow rate.
- Pa: pressure drops in Pascal.
- L(m): air throw in metres calculated on ceiling installation, terminal velocity 0.25 m/s.
- dB(A): noise level.

From model 40 to 200 made with central cone.
Model 230 made without central cone.

Models	Vk (m/s)	2	4	6	8	10
40	m³/h	9	18	28	37	46
	L(m)	2,3	4,5	7,0	9,2	11,5
	Pa	2	11	27	48,0	75
	dB(A)	<20	<20	<20	<20	20
50	m³/h	14	28	43	57	72
	L(m)	3,0	6,0	9,0	11,0	14
	Pa	2	10	25	44	72
	dB(A)	<20	<20	<20	<20	21
80	m³/h	36	72	108	135	168
	L(m)	5,0	9,0	14,0	17,0	21,0
	Pa	2	9	21	34	54
	dB(A)	<20	<20	20	21	23
110	m³/h	73	145	218	291	364
	L(m)	5,3	10,4	15,6	20,8	25,9
	Pa	2	9	21	35	55
	dB(A)	<20	<20	20	23	27
150	m³/h	127	254	382	509	637
	L(m)	7,0	13,0	20,0	27,0	34,0
	Pa	2	8	19	34	55
	dB(A)	<20	<20	20	24	29
200	m³/h	226	452	678	904	1130
	L(m)	9,0	18	27	36,0	45
	Pa	2	8	18	32	51
	dB(A)	<20	<20	<20	23	28
230	m³/h	298	597	896	1195	1494
	L(m)	10,0	21,0	31,0	40,0	46,0
	Pa	2	7	17	31	50
	dB(A)	<20	<20	<20	22	27

EDU-M - Long range nozzle diffusers with set-up for motor

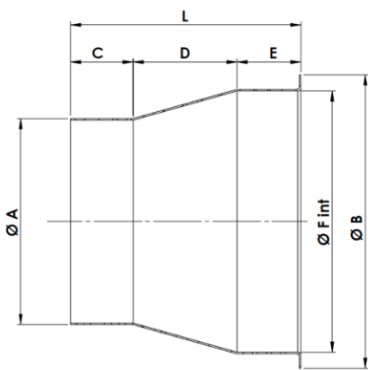
D * Tailpiece cover.
All measurements are expressed in mm.

Available Actuators	
Actuator On / Off	Modulating Servomotor
CM24-L / CM230-L	CM24-SR-L

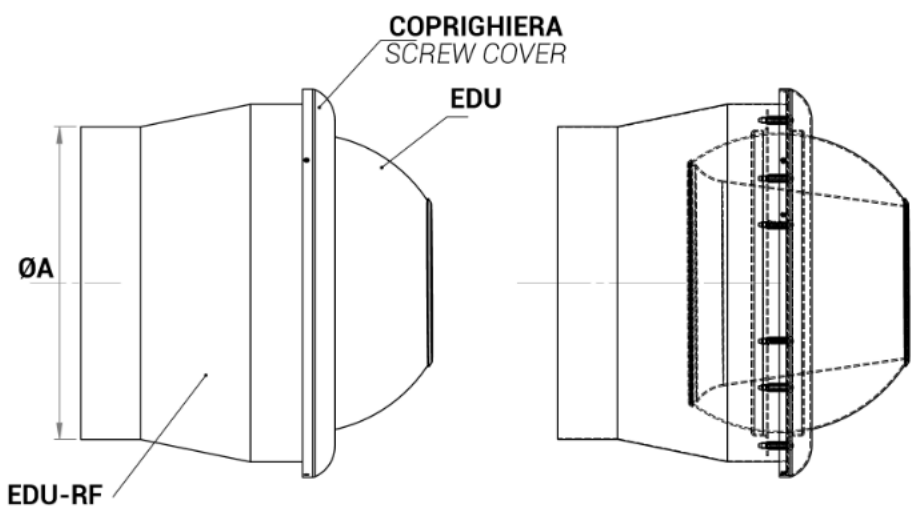
Technical Drawing	Dn	A	B	C	D*	E	F	R	G min	H min
	80	80	158	200	258	204	50	80	38	60
	110	110	198	215	288	252	60	100	70	85
	150	150	313	283	388	352	60	150	70	85
	200	200	398	283	488	452	60	200	70	85
	230	230	398	283	488	452	60	200	70	85

EDU-RF - Fitting for Flexible Duct

All dimensions are expressed in mm.

Technical Drawing	Models	Ø A	Ø B	C	D	E	Ø F int	L
	EDU-RF 40	78	129	40	40	40	113	120
	EDU-RF 50	98	158	60	40	60	138	160
	EDU-RF 80	158	230	60	100	60	210	220
	EDU-RF 110	198	280	60	100	60	250	220
	EDU-RF 150	248	378	60	130	60	358	250
	EDU-RF 200	398	480	60	170	60	460	290
	EDU-RF 230	398	480	60	170	60	460	290

Installation Example

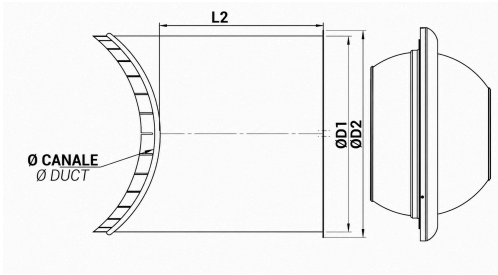


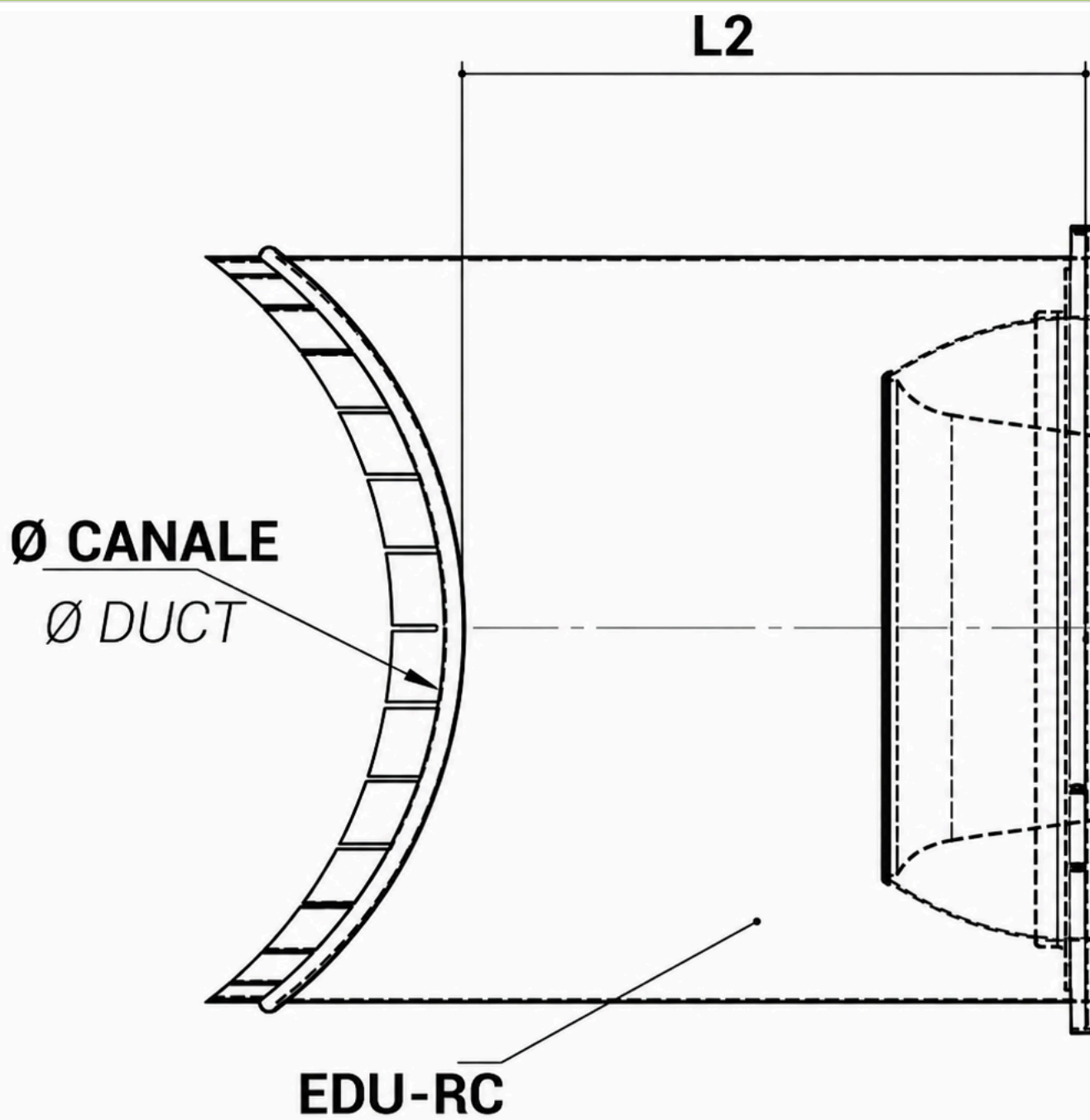
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EDU-RC - Raccordo per Canale Circolare

All dimensions are expressed in mm.

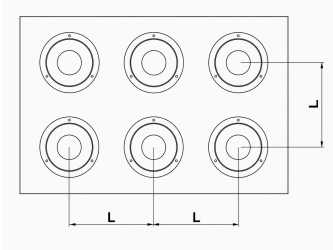
Technical Drawing	Models	L2	Ø D1	Ø D2	Duct	
					min	max
	EDU-RC 40	150	113	129	160	450
	EDU-RC 50	150	138	158	200	500
	EDU-RC 80	200	210	230	315	630
	EDU-RC 110	300	256	276	315	800
	EDU-RC 150	300	358	378	500	800
	EDU-RC 200	350	460	480	500	1000
	EDU-RC 230	350	460	480	500	1000



Swirl Deflector

Description	Photo
The swirl deflector installed at the back of the nozzle diffuser generates a rotary motion that increases induction and reduces the throw of the diffuser by 40% and is particularly suitable for the supply of high air flow rates in medium-sized rooms as it prevents sensitive air currents in the occupied area.	

Assembly in Sets

Technical Drawing	Models	L - Minimum Distance (mm)
	40	170
	50	210
	80	300
	110	350
	150	430
	200	550
	230	550

Price List

Models	EDU	EDU-M	Servomotors for EDU-M				EDU-C - Screw Cover	EDU-SW - Rear Swirl	EDU-RF - Fitting for Flexible Duct	EDU-RC - Fitting for Circular Duct
			ON / OFF		Modulating					
			24V	230V	24V	230V				
	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
110	-	-					-	-	-	-
150	-	-					-	-	-	-
200	-	-					-	-	-	-
230	-	-					-	-	-	-