

ULGT

Long-throw nozzle diffuser with thermostatic actuator



Diffusion

Components
for perfect air
distribution in HVAC
systems



Product

ULGT

Application

Wall or ceiling mounted, supply

Construction

Made in aluminium, weld-free
Natural satin with transparent primer

SPECIFICATION

Adjustable nozzle diffuser
in any direction with an inclination
maximum of 30°, adjustment
is automatic by means of a
thermostatic actuator

MOUNTING

Front screw mounting
directly on duct, with
circular duct connector or with
flexible duct adapter

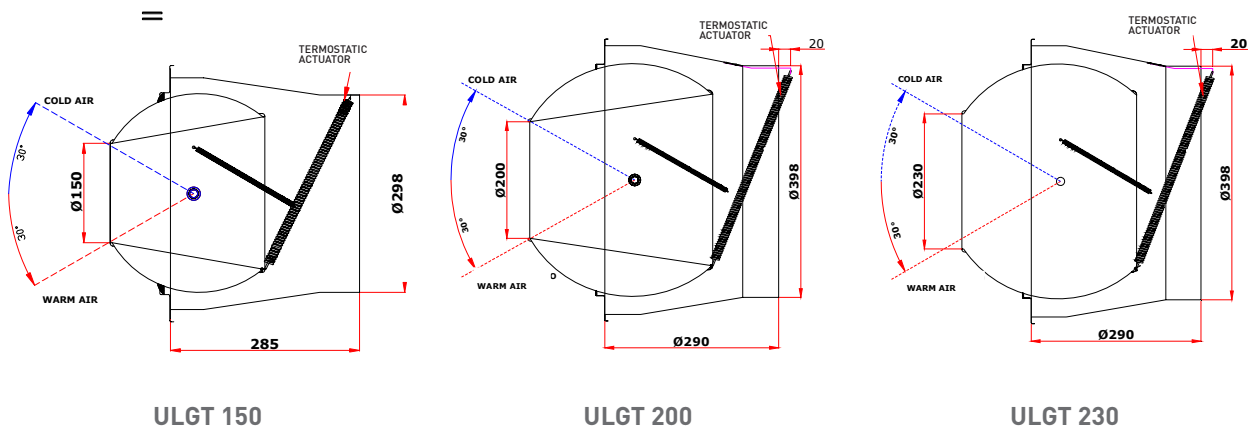
ACCESSORIES

Circular duct adapter
Rectangular duct connector

OPTIONS

RAL 9010 painting on request

DIMENSIONS



ULGT

Long-throw nozzle diffuser with thermostatic actuator

ULGT 150

QUICK SELECTION TABLE

Noise level	Nr dB	< 20	20	25	30	35	40	45	50	> 55
Churches, libraries		■		■		■		■		■
Hospitals		■			■			■		■
Apartments, offices		■				■			■	
Commercial buildings		■					■			■
Installation height (m)	min	2.6	2.7	2.8	3	3.2	3.4	3.6	3.8	4.2
	max	5.2	5.4	5.6	5.8	6	6.2	6.4	6.6	7
Outlet velocity V _k	m/s	2	4	6	8	10	12	14	16	20
Pressure drop	Pa	2	8	19	35	56	82	113	149	238
Flow rate	mc/h	129	257	386	514	643	771	900	1029	1286
Throw	m	4.3	8.5	12.8	17	21.3	25.5	29.8	34	42.5

Terminal velocity V_t=0.37 m/s)

ULGT 200

QUICK SELECTION TABLE

Noise level	Nr dB	< 20	20	25	30	35	40	45	50	> 55
Churches, libraries		■		■		■		■		■
Hospitals		■			■			■		■
Apartments, offices		■				■			■	
Commercial buildings		■					■			■
Installation height (m)	min	3.4	3.6	3.8	4	4.2	4.4	4.6	4.8	5.2
	max	6.6	7.7	8.7	9.4	10	10.5	11	11.5	11.5
Outlet velocity V _k	m/s	2	4	6	8	10	12	14	16	20
Pressure drop	Pa	2	7	17	31	49	72	99	131	210
Flow rate	mc/h	221	443	664	886	1107	1329	1550	1772	2214
Throw	m	4.3	8.6	13	13.6	17.3	26	30.2	34.6	43.2

Terminal velocity V_t=0.37 m/s)



Diffusion

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ULGT 230

QUICK SELECTION TABLE

Noise level	Nr dB	< 20	20	25	30	35	40	45	50	> 55	
Churches, libraries		██████████									
Hospitals		██████████									
Apartments, offices		██████████									
Commercial buildings		██████████									

Installation height (m)	min	3.4	3.6	3.8	4	4.2	4.4	4.6	4.8	5.2
	max	6.6	7.7	8.7	9.4	10	10.5	11	11.5	11.5
Outlet velocity V _k	m/s	2	4	6	8	10	12	14	16	20
Pressure drop	Pa	2	7	16	29	46	68	93	123	197
Flow rate	mc/h	288	577	865	1154	1442	1730	2019	2307	2884
Throw	m	4.6	9.1	13.7	18.2	22.8	27.4	31.9	36.5	45.6

Terminal velocity V_t=0.37 m/s

QUICK SELECTION TABLE

Throw [m]	8	10	12	15	20	25	30
Noise level NR dB	12	17	22	27	32	37	42
Churches/libraries	██████████						
Open offices, exhibitions	██████████						
Industrial buildings	██████████						
Velocity V _K [m/s]	5	6	7	8	10	12	14
Pressure Drop [Pa]	30	38	48	60	85	120	170
Flow rate [m ³ /h]							
ULGT 150	320	380	450	510	640	760	
ULGT 200	570	680	790	900	1130	1360	1580
ULGT 230	600	865	970	1154	1442	1730	2019

		ULGT 150	ULGT 200	ULGT 230
Minimum distance	mm	500	600	600
Minimum height	m	3,0	3,5	3,5
Maximum height	m	7,0	8,0	11,0