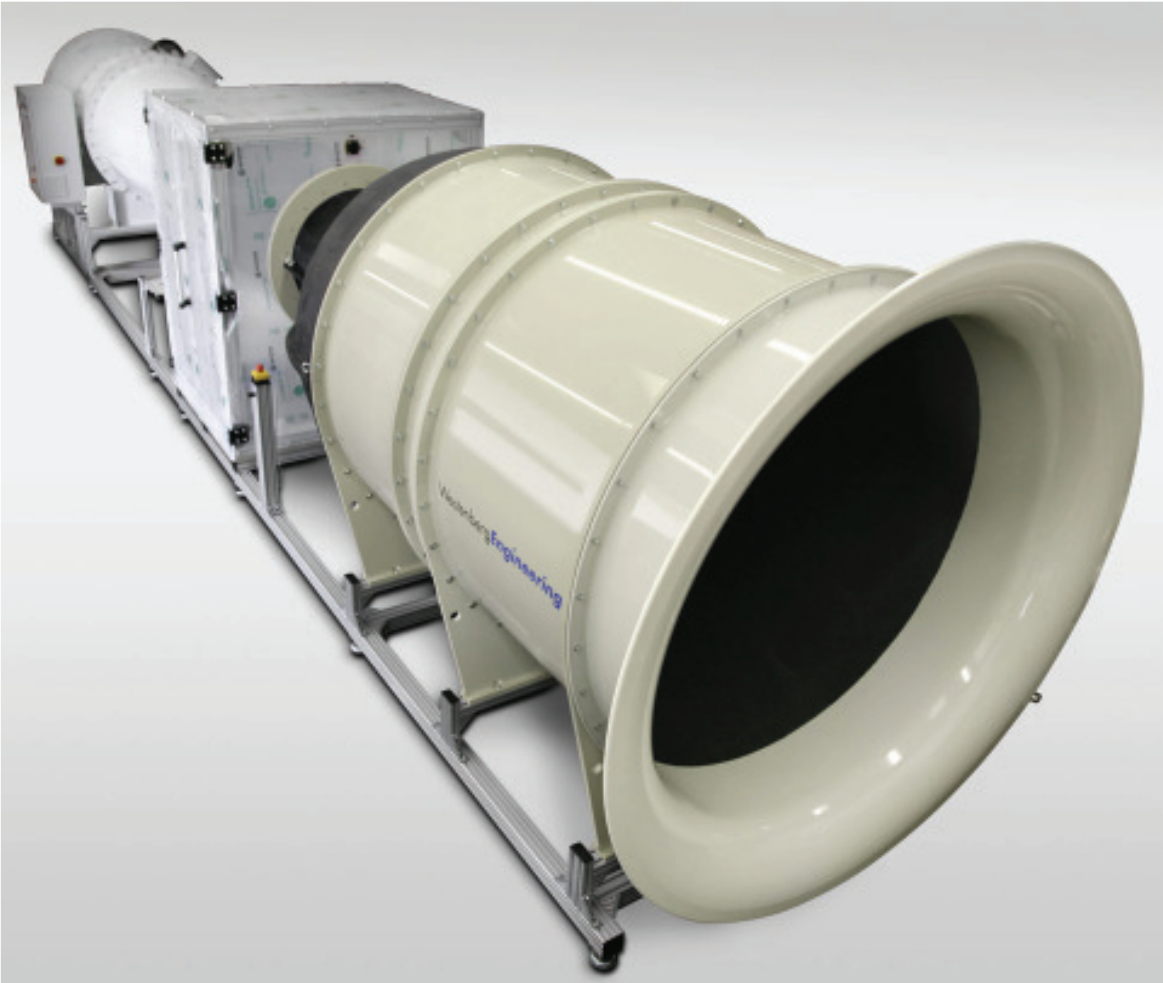


Wind-tunnel design „Eiffel“



Technical Data:

diameter of jet outlet:	d = 800mm
length of measuring section:	l = 1000 mm
max. flow velocity:	0,2 - 50 m/s (infinitely variable)
turbulence ratio at 20 m/s:	< 1 %
contraction ratio:	4
fan connection:	400 V 3-phase AC, 50 Hz
motor output:	34 KW
dimensions (width, height, length):	2350x2600x11000 mm

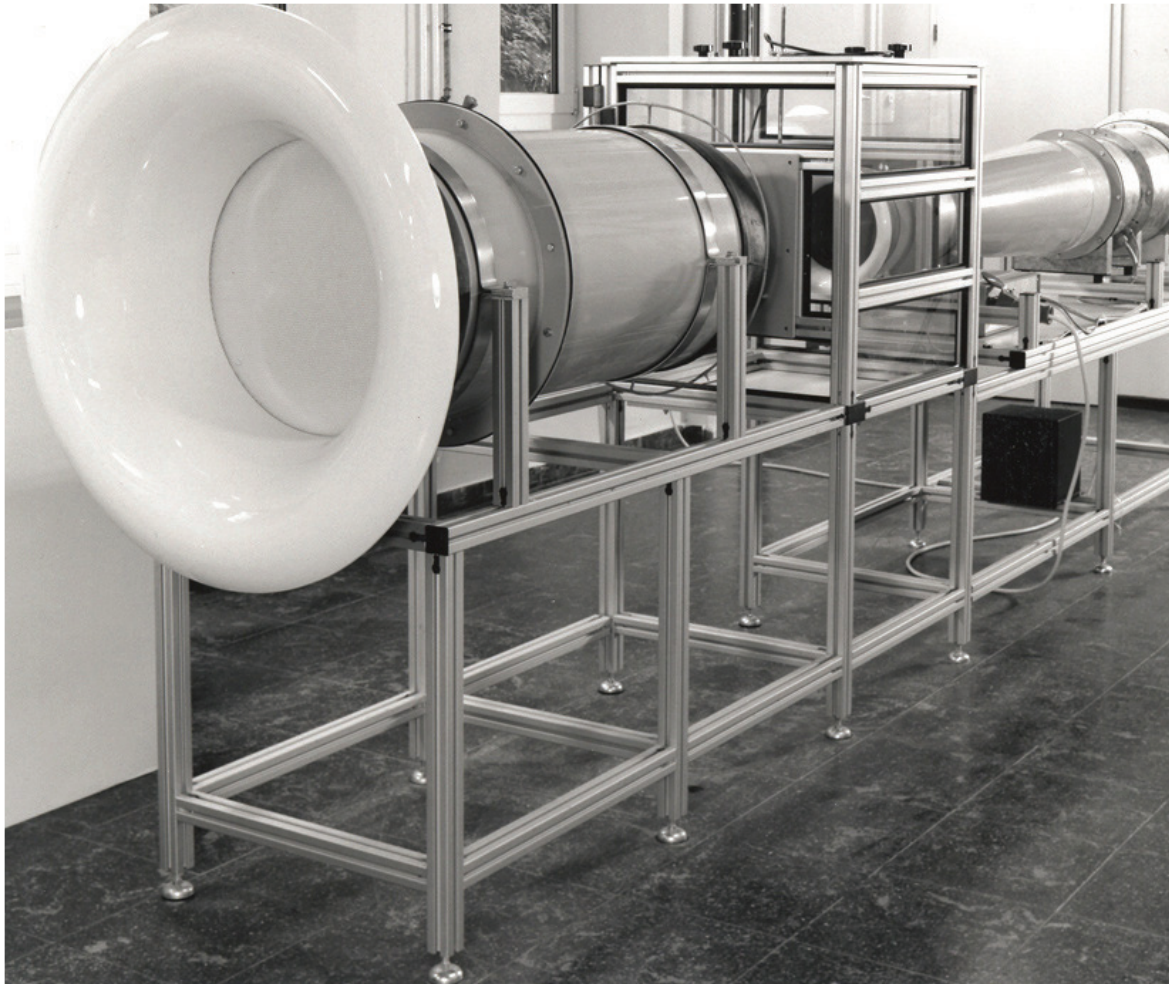
Wind-tunnel design „Eiffel“



Technical Data:

diameter of jet outlet:	d = 600mm
length of measuring section:	l = 800 mm
max. flow velocity:	0,1-60 m/s (infinitely variable)
turbulence ratio at 20 m/s:	< 0,5 %
contraction ratio:	5,5
fan connection:	400 V 3-phase AC
motor output:	35 KW / 50 Hz
dimensions (width, height, length):	1500x2000x10550 mm

Wind-tunnel design „Eiffel“



Technical data:

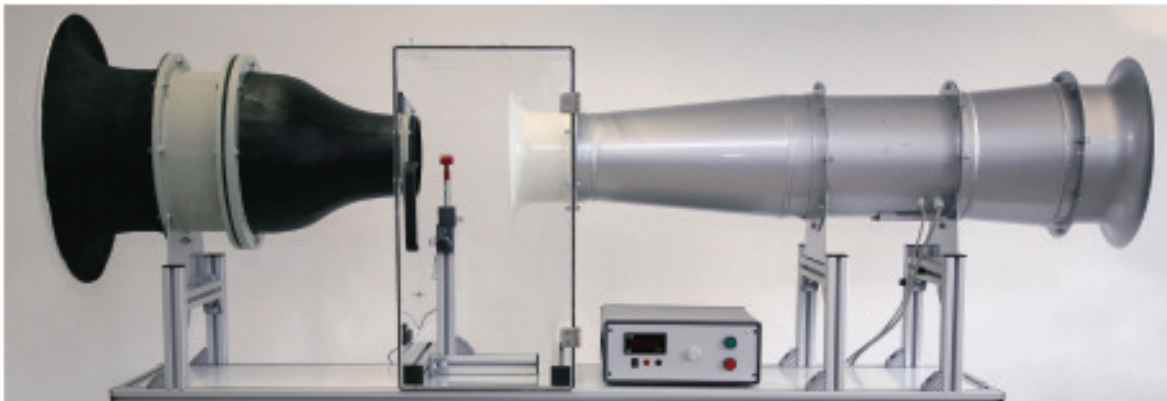
diameter of jet outlet:	$d = 180 \text{ mm} / 255 \text{ mm}$
length of measuring section:	$l = 240 \text{ mm} / 350 \text{ mm}$
max. flow velocity, 180mm nozzle:	$180 \text{ mm} = 65 \text{ m/s}$ (infinitely variable)
max. flow velocity, 250mm nozzle:	$255 \text{ mm} = 35 \text{ m/s}$ (infinitely variable)
turbulence ratio at 20 m/s:	$< 1 \%$
contraction ratio:	$8 / 4$
fan connection:	380 V
motor output:	4,5 KW
dimensions (width, height, length):	900 x 1510 x 4450 mm

Wind-tunnel design „Eiffel“



Technical data:

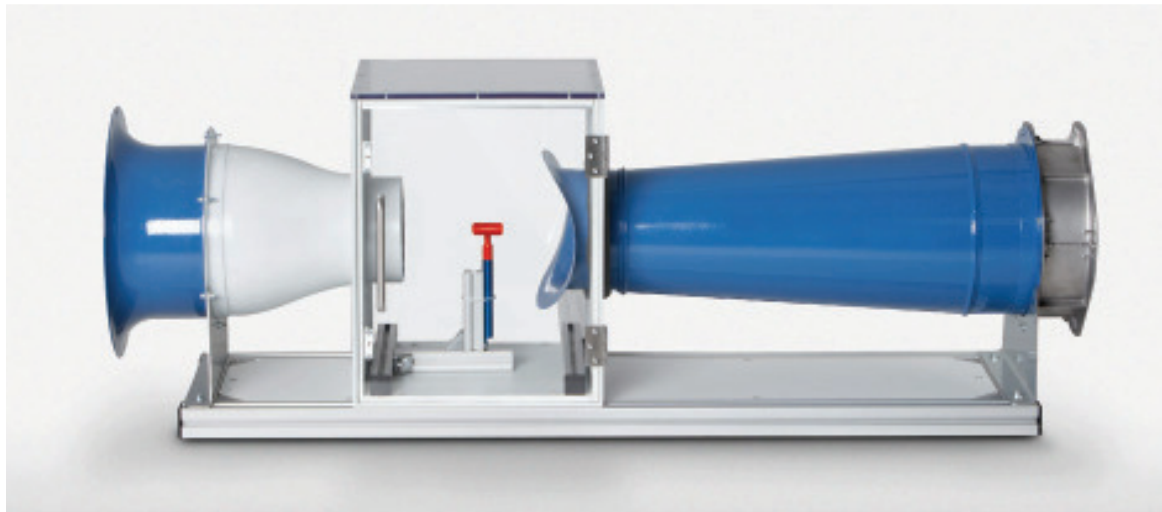
diameter of jet outlet:	$d = 180 \text{ mm}$
length of measuring section:	$l = 200 \text{ mm}$
max. flow velocity:	25 m/s (infinitely variable)
turbulence ratio at 20 m/s:	$< 1 \%$
contraction ratio:	4
fan connection:	230 V / 50 Hz, 3-phase AC
motor output:	0,45 KW
dimensions (width, height, length):	570 x 680 x 2100 mm



Technical data:

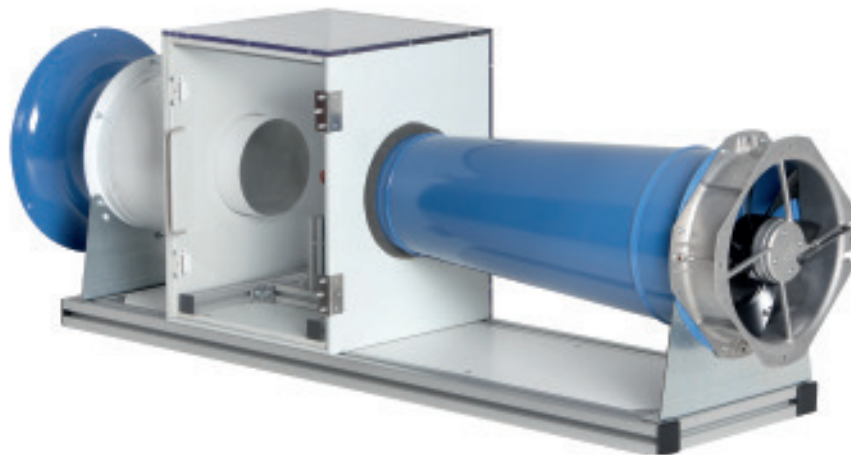
diameter of jet outlet:	180 mm
length of measuring section:	215 mm
max. flow velocity:	0,3-35 m/s (infinitely variable)
turbulence ratio at 20 m/s:	< 1 %
contraction ratio:	4
fan connection:	400 V / 50 Hz
motor output:	0,75 KW
dimensions (width, height, length):	620 x 1670 x 2450 mm

Wind-tunnel design „Eiffel“



Technical data:

diameter of jet outlet:	152 mm
actual length of working section:	190mm
max. flow velocity:	0,8 - 20 m/s (infinitely variable)
turbulence ratio at 20 m/s:	< 1 %
contraction ratio:	2,8
fan connection:	230 V / 50 Hz
motor output:	0,3 KW
dimensions (width, height, length):	360 x 500 x 1500 mm



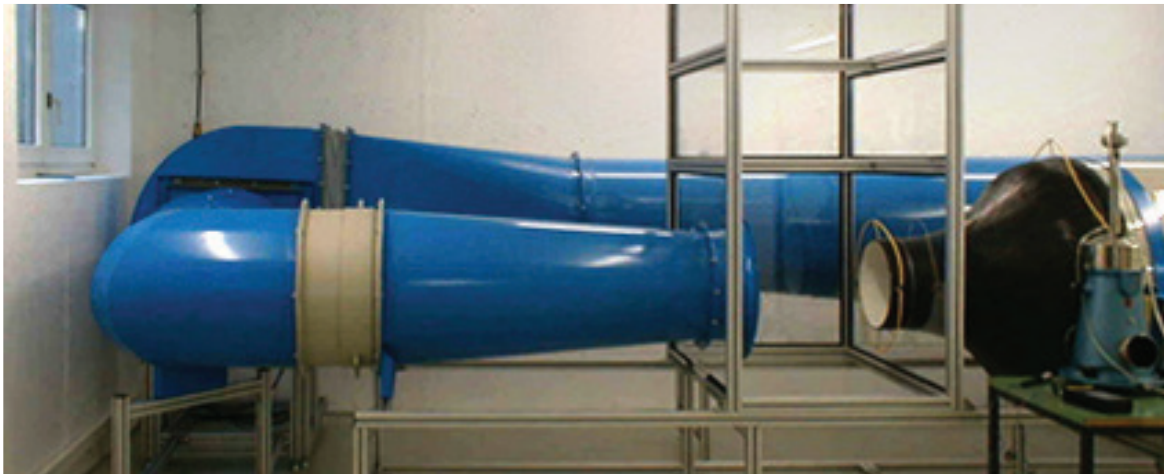
Wind tunnel design „Eiffel“



Technical data:

diameter of jet outlet:	$d = 600 \text{ mm}$
length of measuring section:	$l = 1000 \text{ mm}$
max. flow velocity:	60 m/s (infinitely variable)
turbulence ratio at 20 m/s:	< 0,8 %
contraction ratio:	5,44
fan connection:	400 V / 50 Hz
motor output:	44 KW
dimensions (width, height, length):	5000 x 2700 x 12900 mm

Wind tunnel design „Göttinger“

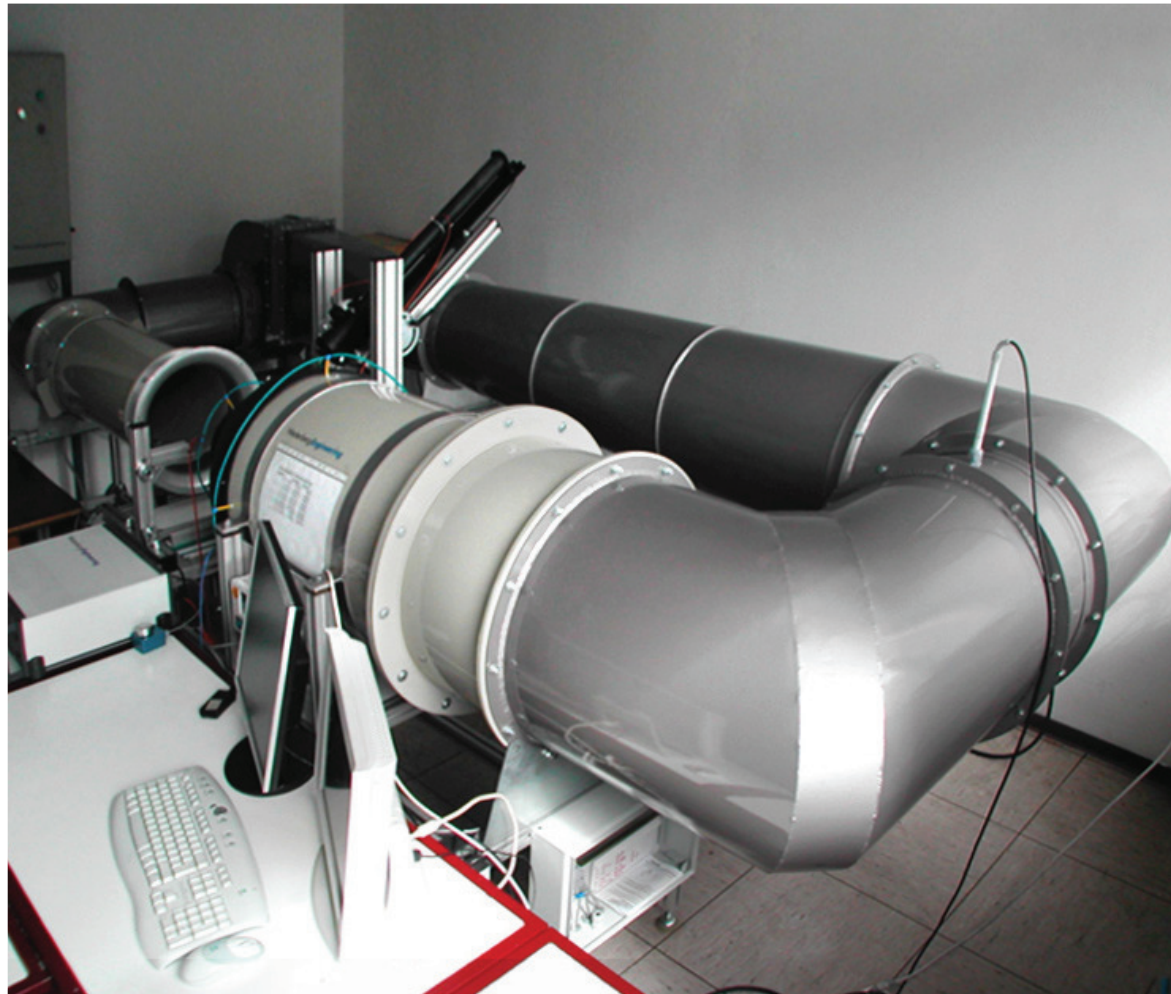


Technical data:

diameter of jet outlet:	$d = 320 \text{ mm}$
length of measuring section:	$l = 468 \text{ mm}$
max. flow velocity:	70 m/s (infinitely variable)
turbulence ratio at 20 m/s:	< 0,5 % - 0,8 %
contraction ratio:	8
fan connection:	400 V
motor output:	12 KW
dimensions (width, height, length):	2790 x 1600 x 6995 mm

Wind tunnel design „Göttinger“

Wind tunnel design „Göttinger“



Technical data:

diameter of jet outlet:	$d = 180 \text{ mm} / 255 \text{ mm}$
length of measuring section:	$l = 280 \text{ mm} / 320 \text{ mm}$
max. flow velocity:	$65 \text{ m/s} / 40 \text{ m/s}$ (infinitely variable)
turbulence ratio at 20 m/s:	$< 0,8 \%$
contraction ratio:	$8 / 4$
fan connection:	$380 \text{ V} / 50 \text{ Hz}$
motor output:	4 KW
dimensions (width, height, length):	$2100 \times 1400 \times 4100 \text{ mm}$

Wind tunnel design „Göttinger“



Technical data:

diameter of jet outlet:	180 mm
length of measuring section:	270 mm
max. flow velocity:	0,3 - 35 m/s (infinitely variable)
turbulence ratio at 20 m/s:	< 0,5 %
contraction ratio:	4,3
fan connection:	240 V
motor output:	0,75 KW (DC)
dimensions (width, height, length):	620 x 1550 x 2750 mm

Flow Calculation System



Technical data:

4 differential pressure probes	(0,4 % accuracy full scale)
Measuring ranges:	25 Pa, 100 Pa, 400 Pa, 1600 Pa
power supply:	12...35 Volt (int. power supply)
output signal:	4...20 mA
barometrical pressure probe	(0,5 % accuracy full scale)
Measuring range:	0...2500 mbar
Rel. humidity	(2,5% r.h. accuracy)
Measuring range:	5%...98%
Temperature probe	(0,2°C accuracy)
Measuring range:	-40 ..60 °C, PT 100, class A
DAQ Card:	National Instruments NI USB 6211
resolution:	16 bit
sample rate:	250 kS / s
power supply:	230 Volt / 50 Hz
dimensions (width, height, length)	w=364 mm, h=150 mm l=391 mm,

Pressure wind tunnel



Technical data:

diameter of jet outlet:	$d = 150 \text{ mm}$
length of measuring section:	$l = \text{on demand}$
max. flow velocity:	$30 \text{ m/s at } 6 \text{ Bar}$
turbulence ratio :	$< 1 \%$
contraction ratio:	4
fan connection:	$400 \text{ V} / 50 \text{ Hz}$
motor output:	12 KW
dimensions (width, height, length):	$950 \times 2400 \times 4900 \text{ mm}$
operating temperature:	20 C°
operating pressure	1 - 6 bar absolut

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