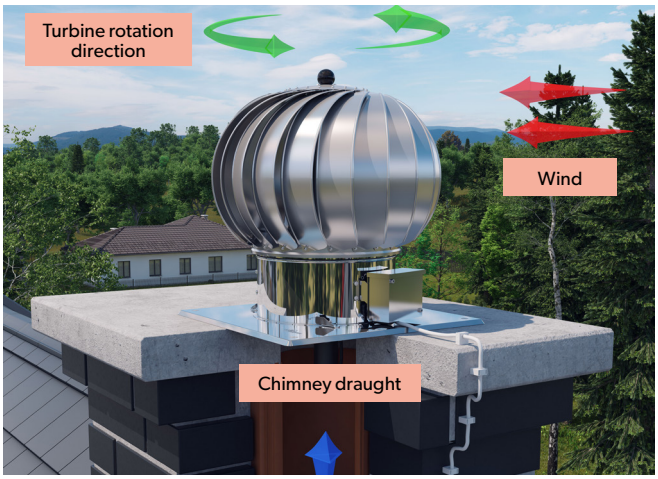
HYBRID TURBOWENT Ø150÷Ø200 - STANDARD



TH x a b - d

- d — base version
- b — turbine material
- a — base material
- x — diameter
- TH — hybrid turbowent

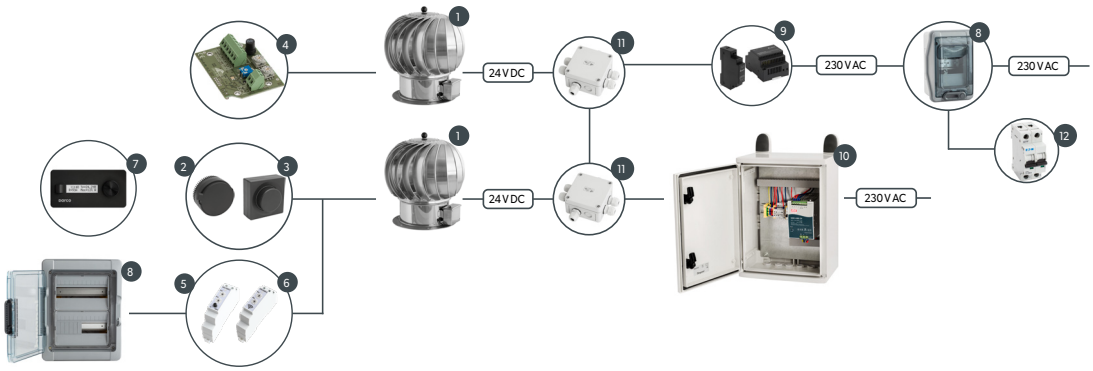
Diameter [mm]	ø150	ø200
Max. efficiency [m³/h]	197	373
Max. underpressure [Pa]	6	8
Rotating speed adjustment range [obr./min]	90 - 300	90 - 270
Voltage [V DC]	24	24
Nominal power* [W]	3.9	6.8
Max.current [mA]	360	360
Ambient temperature [°C]	-20 - +60	
Rotating unit	ball bearings system	

*at maximum efficiency

Destination	W	W	W	W - ventilation ducts
Base material	CH	CH	-	CH - chrome-nickel sheet 1.4301
	-	-	ML	ML- chrome-nickel sheet powder coated
Turbine material	-	CH	-	CH - chrome-nickel sheet 1.4301
	-	-	ML	ML - aluminium powder coated
	AL	-	-	AL - aluminium

	Sound pressure level A at a distance of 4 m from cowl (for rotation speed n)		Sound power level L (for min. rotation speed acc. to PN-EN ISO 3741:2003) (for rotation speed n)	
Diameter	N_{oAmin} for n=90	N_{oAmax} for n=270	L_{WA} for n=90	L_{WA} for n=270
ø150	8 dB	15 dB	26 dB	33 dB
ø200	7 dB	14 dB	25 dB	35 dB

Connecting diagram



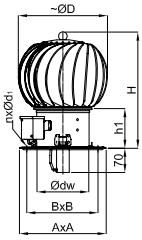
No	Symbol	Name
		CONTROLLERS
1	TH...	Hybrid Turbowent ø150÷ø200
2	ERO-32MN-2	ERO Electronic motor speed controller
3	ERO-32MN-1	ERO Electronic motor speed controller
4	ERO-31MW-0	ERO type electronic motor speed controller mounted on the cowl
5	ERO-32MS-0	ERO Electronic motor speed controller - on rail version TS-35
6	ERO-32WS-0	ERO Electronic motor speed controller - WiFi version (wBox application is required)
7	ERO-32AP-0	ERO Electronic motor speed controller - under- surface version
8	ESR-03W-0	Electronic control cabinet ESR - max amount of controllers: 3
	ESR-04W-0	Electronic control cabinet ESR - max amount of controllers: 4
	ESR-06W-0	Electronic control cabinet ESR - max amount of controllers: 6
	ESR-08W-0	Electronic control cabinet ESR - max amount of controllers: 8
	ESR-12W-0	Electronic control cabinet ESR - max amount of controllers: 12
	ESR-24W-0	Electronic control cabinet ESR - max amount of controllers: 24
	ESR-36W-0	Electronic control cabinet ESR - max amount of controllers: 36
	ESR-54W-0	Electronic control cabinet ESR - max amount of controllers: 54
	ESR-72W-0	Electronic control cabinet ESR - max amount of controllers: 72

No	Symbol	Name
		POWER FEEDERS
9	EZN-010M-0	Electronic power supply EZN, nominal power 10 W
	EZN-030M-0	Electronic power supply EZN, nominal power 30 W
	EZN-060M-0	Electronic power supply EZN, nominal power 60 W
10	ESZ-060W-0	Electronic power supply cabinet ESZ, connected power 60 W
	ESZ-120W-0	Electronic power supply cabinet ESZ, connected power 120 W
	ESZ-240W-0	Electronic power supply cabinet ESZ, connected power 240 W
	ESZ-480W-0	Electronic power supply cabinet ESZ, connected power 480 W
11	ERZ-06D-0	Electronic power divider ERZ
12	CLS6-B4/1N	Circuit breaker

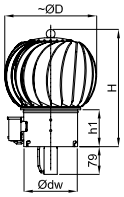
invent. build. enjoy.

Versions of bases

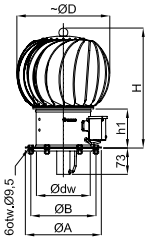
1. Square base -PK



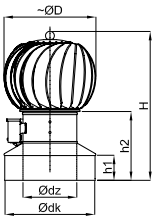
2. Dismountable base -R



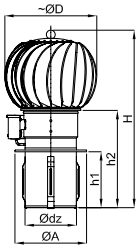
3. Base with collar -BIII



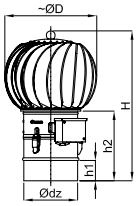
4. Base with insulation closing -B-K



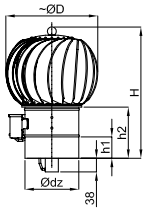
5. Force-in mounting base -PT



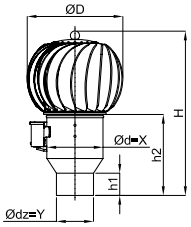
6. Inlet pipe openable -B



7. Inlet pipe not openable -B-S



8. Inlet pipe reduced -X/Y/...-B-S



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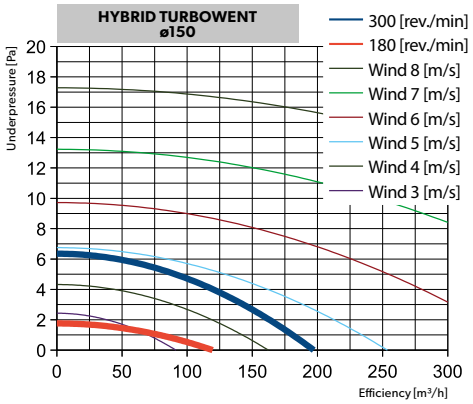
darco system

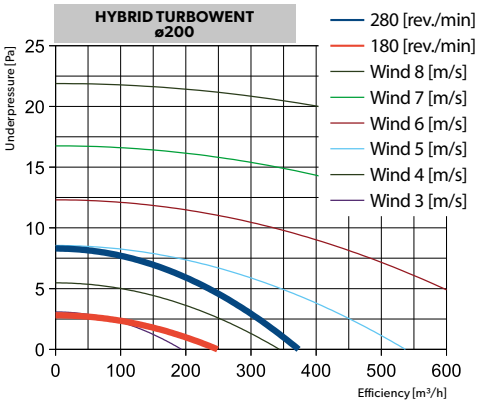
Measurements table for various inlet diameters

ø 150	Dimensions [mm]										Weight [kg]
Base version	D	dw	dz	H	h1	h2	A	B	d1	Amount n	CHAL
-PK	~260	150.4	-	326	100	-	250	208	6.2	4	2.60
-R	~260	150.4	-	330	105	-	-	-	-	-	2.45
-BIII	~260	150.1	-	292	90	-	211	182	9.5	6	2.85
-B-K	~260	253.4	151.7	399	70	194	-	-	-	-	3.20
-PT	~260	-	144.0	450	157	244	202	158	-	-	2.85
-B	~260	-	152.0	402	60	197	-	-	-	-	2.60
-B-S	~260	-	152.0	349	60	144	-	-	-	-	2.40
-X/Y-...-B-S	~260	-	Y	420	60	194	-	-	-	-	2.55

ø 200	Dimensions [mm]										Weight [kg]
Base version	D	dw	dz	H	h1	h2	A	B	d1	Amount n	CHAL
-PK	~320	200.0	-	340	100	-	330	284.0	6.2	4	3.00
-R	~320	199.7	-	355	115	-	-	-	-	-	2.50
-BIII	~320	199.7	-	362	90	-	261	233	9.5	6	3.00
-B-K	~320	303.1	201.0	434	70	194	-	-	-	-	3.50
-PT	~320	-	194.0	494	157	254	252	208	-	-	3.20
-B	~320	-	201.0	471	60	197	-	-	-	-	2.90
-B-S	~320	-	201.0	410	60	144	-	-	-	-	2.60
-X/Y-...-B-S	~320	-	Y	454	60	194	-	-	-	-	2.80

Airfow charts





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