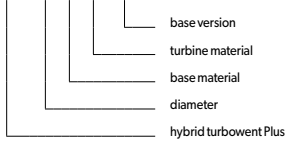




**THP x a b - d**



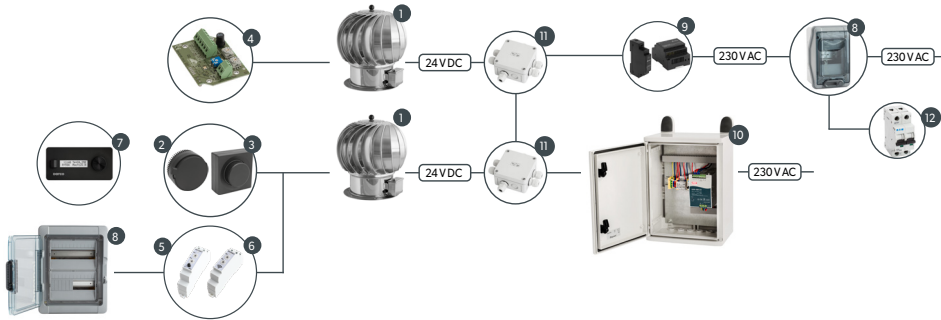
Destination	W	W	W - ventilation ducts
Base material	CH	-	CH - chrome-nickel sheet 1.4301
	-	ML	ML - chrome-nickel sheet powder coated
Turbine material	-	ML	ML - aluminium powder coated
	AL	-	AL - aluminium

Diameter [mm]	ø200	ø250	ø300	ø350	ø400
Max. efficiency [m³/h]	490	880	1094	1454	1432
Max. underpressure [Pa]	20	25	20	17	7
Rotating speed adjustment range [rev/min]	90 - 380	90 - 380	90 - 280	90 - 262	40 - 160
Voltage [V DC]	24				
Nominal power* [W]	10	17	20	25	33
Max. current [A]	2.3				1.25
Ambient temperature [°C]	-30 - +60				-30 - +50
Rotating unit	ball bearings system				

\*at maximum efficiency

Diameter	Sound pressure level A at a distance of 4 m from cowl (for rotation speed n)		Sound power level LWA (for min. rotation speed acc. to PN-EN ISO 3741:2003)	
	N <sub>min</sub> for n=min	N <sub>max</sub> for n=max	L <sub>WA</sub> for n=min	L <sub>WA</sub> for n=max
ø200	16 dB	33 dB	36 dB	53 dB
ø250	18 dB	35 dB	37 dB	55 dB
ø300	24 dB	36 dB	43 dB	56 dB
ø350	25 dB	38 dB	45 dB	58 dB

**Connecting diagram**

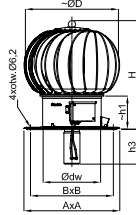


No	Symbol	Name
<b>CONTROLLERS</b>		
1	THP...	Hybrid Turbowent Plus ø200÷ø350
2	ERO-32MN-2	ERO Electronic motor speed controller
3	ERO-32MN-1	ERO Electronic motor speed controller
4	ERO-31MW-0	ERO type electronic motor speed controller mounted on the cowl
5	ERO-32MS-0	ERO Electronic motor speed controller - 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 - 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

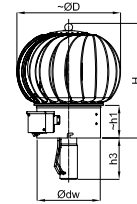
No	Symbol	Name
<b>POWER FEEDERS</b>		
9	EZN-010M-0	Electronic power supply EZN, nominal power 10 W
	EZN-030M-0	Electronic power supply EZN, nominal power 30 W
	EZN-060M-0	Electronic power supply EZN, nominal power 60 W
10	ESZ-060W-0	Electronic power supply cabinet ESZ, connected power 60 W
	ESZ-120W-0	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/IN	Circuit breaker

## Versions of bases

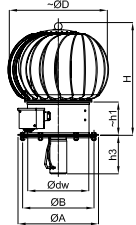
### 1. Square base -PK



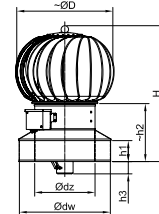
### 2. Dismountable base -R



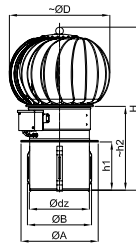
### 3. Base with collar -BIII



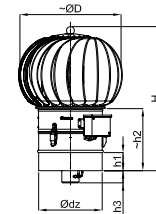
### 4. Base with insulation closing -B-K



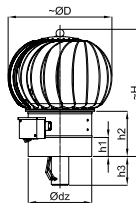
### 5. Force-in mounting base -PT



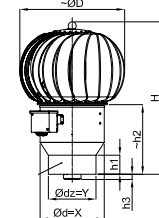
### 6. Inlet pipe openable -B



### 7. Inlet pipe not openable -B-S



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



## Measurements table for various inlet diameters

Ø 200		Dimensions [mm]										Weight [kg]	
Base version	D	dw	dz	H	h1	h2	h3	A	B	d1	Amount n	CHAL	
-PK	~320	197.6	-	371	112	-	123	330	284	6.2	4	2.90	
-R	~320	199.7	-	363	103	-	131	-	-	-	-	2.40	
-BIII	~320	199.4	-	368	108	-	126	261	233	9.5	6	2.90	
-B-K	~320	303.1	199.4	453	70	193	41	-	-	-	-	3.40	
-PT	~320	-	194.0	533	157	254	-	252	208	-	-	3.10	
-B	~320	-	201.0	456	57	196	39	-	-	-	-	2.80	
-B-S	~320	-	201.0	403	57	143	91	-	-	-	-	2.50	
-X/Y/...-B-S	~320	-	Y	478	60	218	-	-	-	-	-	2.70	

Ø 250		Dimensions [mm]										Weight [kg]	
Base version	D	dw	dz	H	h1	h2	h3	A	B	d1	Amount n	CHAL	
-PK	~380	248.3	-	408	112	-	122	380	330	6.1	4	3.50	
-R	~380	252.3	-	399	106	-	130	-	-	-	-	2.90	
-BIII	~380	250.7	-	404	111	-	125	311	283	9.5	8	4.35	
-B-K	~380	352.4	252.3	489	70	196	41	-	-	-	-	4.10	
-PT	~380	-	244.0	533	157	264	-	302	259	-	-	3.70	
-B	~380	-	252.3	512	57	219	17	-	-	-	-	3.40	
-B-S	~380	-	252.3	439	60	146	90	-	-	-	-	3.10	
-X/Y/...-B-S	~380	-	Y	514	60	221	-	-	-	-	-	3.40	

Ø 300	Dimensions [mm]											Weight [kg]
Base version	D	dw	dz	H	h1	h2	h3	A	B	d1	Amount n	CHAL
-PK	~460	297.6	-	460	121	-	116	430	380	6.2	4	4.15
-R	~460	300.0	-	446	130	-	130	-	-	-	-	3.00
-BIII	~460	300.0	-	451	112	-	125	361	337	9.5	8	3.95
-B-K	~460	403.6	301.6	536	70	197	41	-	-	-	-	4.40
-PT	~460	-	294.0	606	157	244	-	352	308	-	-	4.10
-B	~460	-	301.5	559	57	220	18	-	-	-	-	3.60
-B-S	~460	-	301.6	486	60	147	90	-	-	-	-	3.20
-X/Y...-B-S	~460	-	Y	561	60	222	-	-	-	-	-	3.50

Ø 350	Dimensions [mm]											Weight [kg]
Base version	D	dw	dz	H	h1	h2	h3	A	B	d1	Amount n	CHAL
-PK	~490	346.9	-	447	114	-	128	500	460	6.2	4	4.75
-R	~490	349.3	-	436	102	-	140	-	-	-	-	3.10
-BIII	~490	346.9	-	441	107	-	135	411	387	9.5	8	4.15
-B-K	~490	453.0	350.9	526	70	192	50	-	-	-	-	4.70
-PT	~490	-	344.0	616	157	244	-	402	358	-	-	4.70
-B-S	~490	-	350.9	476	60	142	100	-	-	-	-	3.35
-X/Y...-B-S	~490	-	Y	551	60	217	-	-	-	-	-	3.70

Ø 400	Dimensions [mm]											Weight [kg]
Base version	D	dw	dz	H	h1	h2	h3	A	B	d1	Amount n	CHAL
-BIII	~610	398.0	-	657	161	-	100	464	437	9.5	8	9.00
-B-S	~610	-	401.0	687	60	195	70	-	-	-	-	8.00

## Airflow charts

