In-Line mixed flow duct fans

TD-MIXVENT System

Serial SISTEMA TD-MIXVENT

TDx3-800/200



The MIXVENT System includes a specific range of accessories enabling the installation of different combinations of the MIXVENT –TD maintaining the concept that makes the difference: deliver the maximum airflow using the minimum space.

Technical data

TWINx2 MIXVENT System



MIXVENT-TWINx2 system



MIXVENT-TWINx2 system with backdraft shutter fitted

The MIXVENT-Twinx2 consists of two MIXVENTTDx2 fans mounted in parallel using the Kit Twin Base (suitable from 350 to 1300 model). System specially recommended when a large airflow is required (at the same pressure) within a confined space, or where a supplementary airflow is occasionally needed.
Once mounted, the whole assembly is ready to be connected to a rectangular duct using the two rectangular flanges supplied with the Kit Twin Base.
The independent operation of two MIXVENTTDx2 requires the use of back draft shutters at the discharge (outlet) in order to prevent the air recycling through the stationary fan.

ELEMENTS TO MOUNT MIXVENT-TWIN X 2 SYSTEM

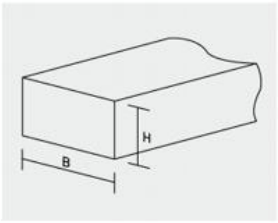
KIT TWIN BASE-350 + 2 TDx2-350/125
KIT TWIN BASE-500/150 + 2 TDx2-500/150
KIT TWIN BASE-500/160 + 2 TDx2-500/160
KIT TWIN BASE-800 + 2 TDx2-800/200
KIT TWIN BASE-1000 + 2 TDx2-1000/250
KIT TWIN BASE-1000 + 2 TDx2-1300/250

Backdraft shutter, see accessories page.

KIT TWIN BASE

This accessory consists of two rectangular duct couplings with standardized dimensions and two supports allowing mounting two TD or two TDx2 fans in parallel.





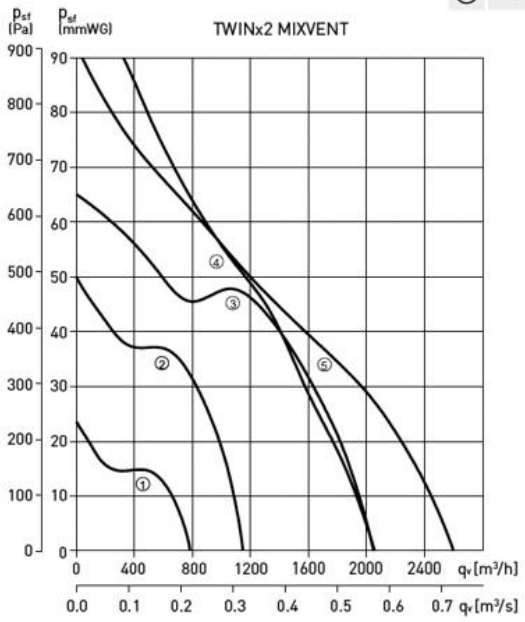
KIT TWIN BASE	Dimensions (mm)		Nominal dimensions of the rectangular duct (mm)	
	L	H	L	H
KIT TWIN BASE 250	320	180	280	140
KIT TWIN BASE 350	320	180	280	140
KIT TWIN BASE 500/150	395	220	355	180
KIT TWIN BASE 500/160	395	220	355	180
KIT TWIN BASE 800	440	240	400	200
KIT TWIN BASE 1000	540	290	500	250
KIT TWIN BASE 2000	690	355	630	315

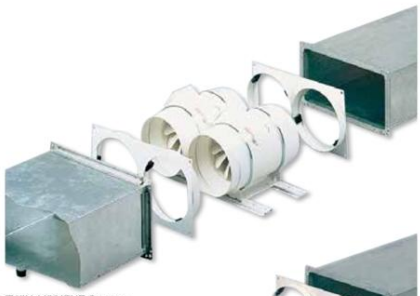
Due to the isolated operation of TD models, backdraft shutters mounted at the outlet of TD fans are required in order to avoid the backdraft of air when the fan is not operating.

PERFORMANCE CURVES

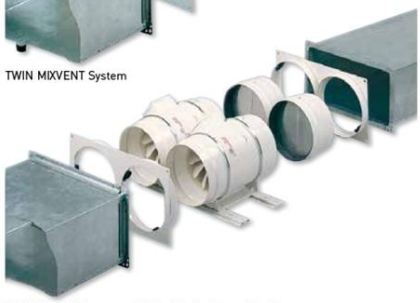
- q_v: Airflow in m³/h and m³/s.
- p_{sf}: Static pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.

①	TWINx2-350
②	TWINx2-500
③	TWINx2-800
④	TWINx2-1000
⑤	TWINx2-1300





TWIN MIXVENT System



MIXVENT-TWIN system with backdraft shutter fitted

The MIXVENT-Twin consists of two MIXVENTTD fans mounted in parallel using the Kit Twin Base (suitable from 250 to 2000 model).
System specially recommended when a large airflow is required (at the same pressure) within a confined space, or where a supplementary airflow is occasionally needed.
Once mounted, the whole assembly is ready to be connected to a rectangular duct using the two rectangular flanges supplied with the Kit Twin Base.
The independent operation of two MIXVENT-TD requires the use of back draft shutters at the discharge (outlet) in order to prevent the air recycling through the stationary fan.
It is also needed in installations where it is necessary to mount at the same place, two fans with the same characteristics, for extraction and supply operations.

ACCESSORIES TO MOUNT MIXVENT-TWIN SYSTEM

KIT TWIN BASE-250 + 2 TD -160/100	KIT TWIN BASE-500/150 + 2 TD-500/150	KIT TWIN BASE-1000 + 2 TD-1000/250
KIT TWIN BASE-250 + 2 TD 250/100	KIT TWIN BASE-500/160 + 2 TD-500/160	KIT TWIN BASE-1000 + 2 TD-1300/250
KIT TWIN BASE-350 + 2 TD -350/125	KIT TWIN BASE-800 + 2 TD-800/200	KIT TWIN BASE-2000 + 2 TD-2000/315

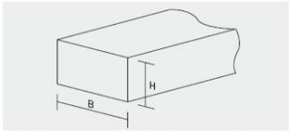
Backdraft shutter, see accessories page.

KIT TWIN BASE

This accessory consists of two rectangular duct couplings with standardized dimensions and two supports allowing mounting two TD or two TDx2 fans in parallel.

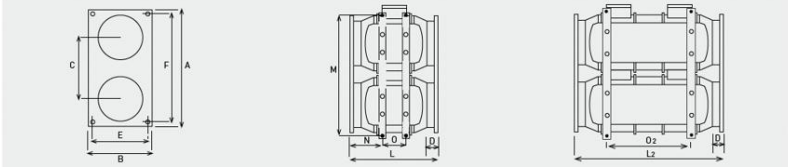


KIT TWIN BASE	Dimensions (mm)		Nominal dimensions of the rectangular duct (mm)	
	L	H	L	H
KIT TWIN BASE 250	320	180	280	140
KIT TWIN BASE 350	320	180	280	140
KIT TWIN BASE 500/150	395	220	355	180
KIT TWIN BASE 500/160	395	220	355	180
KIT TWIN BASE 800	440	240	400	200
KIT TWIN BASE 1000	540	290	500	250
KIT TWIN BASE 2000	690	355	630	315



The independent operation of two MIXVENT-TD requires the use of back draft shutters at the discharge (outlet) in order to prevent the air recycling through the stationary fan.

DIMENSIONS (mm)

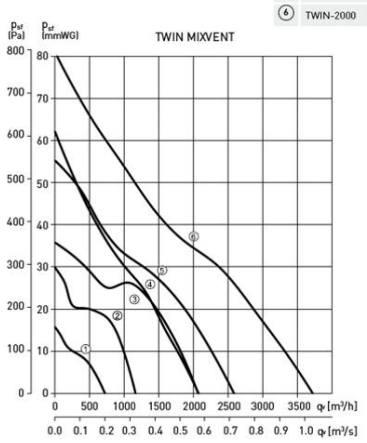


Model	A	B	C	D	E	F	L	L_2	M	N	O	O_2
TWIN-250	320	180	184	36	160	300	305	–	375	113	80	–
TWIN-350	320	180	184	33,5	160	300	305	475	333	91	80	253
TWIN-500 (150)	395	220	206	37	200	375	310	481	417	110	80	249
TWIN-500 (160)	395	220	206	37	200	375	290	461	417	100	80	249
TWIN-800	440	240	225	37	220	420	317	509	456	103	100	298
TWIN-1000	540	290	282	44	270	520	401	679	566	123	145	416
TWIN-1300	540	290	282	44	270	520	401	679	566	123	145	416
TWIN-2000	690	355	347	53	335	650	451	–	699	136	182	–

PERFORMANCE CURVES

- q_v: Airflow in m³/h and m³/s.
- p_{sf}: Static pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.

①	TWIN-350
②	TWIN-500
③	TWIN-800
④	TWIN-1000
⑤	TWIN-1300
⑥	TWIN-2000



ACOUSTIC POWER SPECTRUM IN DB(A) FOR EVERY FREQUENCY BAND AT THE INLET AND RADIATED, AT A HIGH SPEED

AT THE INLET	63	125	250	500	1000	2000	4000	8000
TWIN-350/125	38	50	49	56	57	53	44	36
TWIN-500/150	35	38	58	60	62	65	59	51
TWIN-500/160	35	38	58	60	62	65	59	51
TWIN-800/200N	40	45	65	67	69	67	63	55
TWIN-800/200	40	50	64	66	71	70	67	57
TWIN-1000/250	38	48	61	69	75	72	65	57
TWIN-1300/250	40	55	67	70	78	76	69	64
TWIN-2000/315	44	60	69	74	80	77	70	65

RADIATED	63	125	250	500	1000	2000	4000	8000
TWIN-350/125	36	49	49	50	50	48	36	27
TWIN-500/150	28	35	46	42	47	56	45	32
TWIN-500/160	28	35	46	42	47	56	45	32
TWIN-800/200N	29	35	51	50	55	56	47	34
TWIN-800/200	32	39	50	49	57	60	51	36
TWIN-1000/250	26	37	47	49	61	60	49	46
TWIN-1300/250	25	39	42	50	63	62	55	50
TWIN-2000/315	32	44	55	58	67	66	60	56

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