

THT/WALL



400°C/2h and 300°C/2h dynamic wall-mounted extract fans with hatches with motorised opening function, for smoke exhaust in the event of fire

Dynamic wall-mounted extract fans with motorised opening function. Specially designed for a fast and effective exhaust of harmful smoke and gases in the event of fire. Suitable for installation in industrial buildings, commercial buildings or in any other type of building. Can also be connected to ducting if required. The entire assembly is approved in accordance with standard EN-12101-3, with F-400 and F-300 certificates. Can also be used for environmental ventilation.

Fan:

- Wall-mounting with flanged spigot for ease of installation.
- With F-400 certification no. 0370-CPR-2823 and F-300 no. 0370-CPR-0973.
- Cylindrical case in sheet steel with polyester resin anti-corrosive finish treatment.
- Variable angle impellers made of cast aluminium.
- Airflow direction from motor to impeller.

Extruded aluminium hatch:

- Extremely robust structure that is capable of withstanding severe weather conditions.
- Water-tight design to prevent the ingress of water.
- Aluminium profile with thermal bridge break.
- Central panel and structure with high performance thermal insulation.
- Thermal resistance of the assembly $< 0.89 \text{ W/m}^2\cdot\text{K}$.
- Limit switches for both positions (open and closed).
- Manual opening system.

Motor:

- Class H motors for S1 continuous operation and S2 emergency use. With ball bearings, IP55 protection and 1 or 2 speeds, depending on the model.
- IE3 efficiency motors.
- Three-phase 230/400 V-50 Hz (up to 3 kW) and 400/690 V-50 Hz (powers higher than 3 kW).
- Temperature of the air to be carried: S1 continuous operation -25°C to $+40^{\circ}\text{C}$, also suitable for warm climates with temperatures up to 50°C . S2 operation, $300^{\circ}\text{C}/2\text{h}$, $400^{\circ}\text{C}/2\text{h}$.

Actuator:

- Reliability $>11,000$ dual cycles.
- Power supply voltage of 230 Vac-50 Hz.
- Operating temperature: -25°C $+60^{\circ}\text{C}$.

Hatch finish:

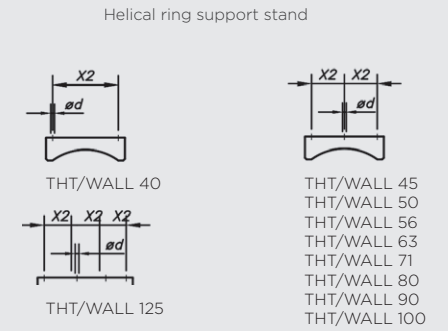
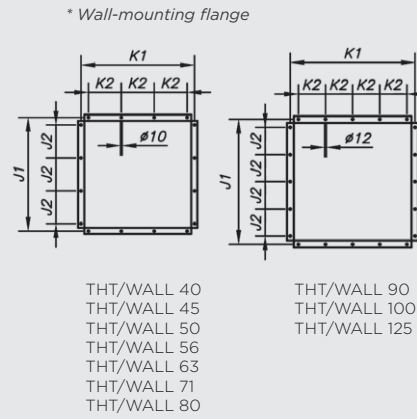
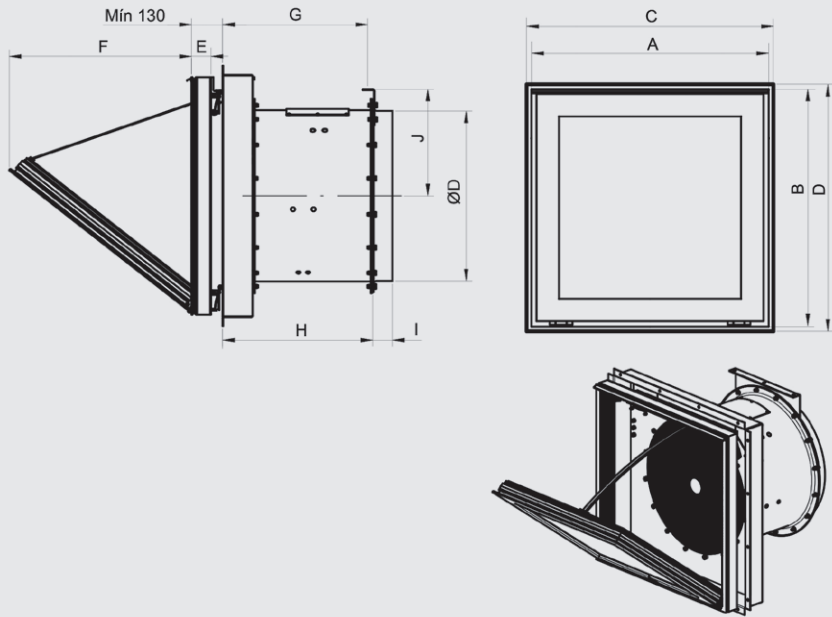
- Anti-corrosive finish extruded aluminium.
- Standard colour RAL 7016. Any RAL colour may be selected upon request.

Model	Speed (r/min)	Max. admissible current (A)			Installed power (kW)	Blade tilt angle (°)	Max. flow (m³/h)	Sound pressure level dB(A)	Approx. weight (kg)	According ErP*
		230 V	400 V	690 V						
THT/WALL-40-2T-1 IE3	2850	3.15	1.80		0.75	16	6115	72	62	2020
THT/WALL-40-2T-1.5 IE3	2880	4.70	2.70		1.10	20	7050	73	63	2020
THT/WALL-45-2T-2 IE3	2880	5.90	3.40		1.50	16	9405	75	67	2020
THT/WALL-45-2T-3 IE3	2840	8.70	5.00		2.20	22	11325	77	68	2020
THT/WALL-50-2T-4 IE3	2880	11.20	6.50		3.00	16	13860	79	84	2015
THT/WALL-50-2T-5.5 IE3	2870		9.30	5.40	4.00	20	15900	80	100	2015
THT/WALL-56-2T-5.5 IE3	2870		9.50	5.50	4.00	16	18840	85	105	2020
THT/WALL-56-2T-7.5 IE3	2910		10.60	6.14	5.50	22	22510	86	107	2020
THT/WALL-56-4T-2 IE3	1440	6.20	3.60		1.50	36	15020	72	84	2015
THT/WALL-63-4T-3 IE3	1425	9.00	5.20		2.20	32	22460	73	131	2020
THT/WALL-63-4T-4 IE3	1430	11.40	6.60		3.00	38	24460	74	132	2020
THT/WALL-63-6T-1 IE3	940	4.70	2.70		0.75	38	16025	63	121	2020
THT/WALL-71-4T-3 IE3	1425	9.00	5.20		2.20	22	25100	81	124	2020
THT/WALL-71-4T-4 IE3	1430	11.40	6.60		3.00	28	27500	82	133	2020
THT/WALL-71-4T-5.5 IE3	1440		8.40	4.80	4.00	38	32250	83	143	2020
THT/WALL-71-6T-1.5 IE3	945	5.50	3.20		1.10	34	19950	69	123	2020
THT/WALL-80-4T-3 IE3	1425	9.00	5.20		2.20	12	25545	79	138	2020
THT/WALL-80-4T-4 IE3	1430	11.40	6.60		3.00	16	30410	80	147	2020
THT/WALL-80-4T-5.5 IE3	1440		8.40	4.80	4.00	18	32940	81	153	2020
THT/WALL-80-4T-7.5 IE3	1460		12.60	7.30	5.50	26	39820	82	154	2020
THT/WALL-80-6T-1.5 IE3	945	5.50	3.20		1.10	18	21580	69	137	2020
THT/WALL-80-6T-2 IE3	945	7.40	4.30		1.50	26	26090	70	146	2020
THT/WALL-90-4T-7.5 IE3	1460		12.60	7.30	5.50	18	46325	88	222	2020
THT/WALL-90-4T-10 IE3	1460		17.70	10.20	7.50	22	50315	89	233	2020
THT/WALL-90-4T-15 IE3	1460		22.00	12.70	11.00	30	59610	90	242	2020
THT/WALL-90-6T-3 IE3	950	9.50	5.50		2.20	24	34055	75	195	2020
THT/WALL-90-6T-4 IE3	970	13.50	7.80		3.00	30	39055	76	221	2020
THT/WALL-100-4T-10 IE3	1460		17.70	10.20	7.50	16	57650	90	239	2020

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		230 V	400 V	690 V						
THT/WALL-100-4T-15 IE3	1460		22.00	12.70	11.00	22	66505	91	292	2020
THT/WALL-100-4T-20 IE3	1460		29.00	16.70	15.00	28	76445	92	307	2020
THT/WALL-100-6T-5.5 IE3	970		11.00	6.40	4.00	26	47955	81	239	2020
THT/WALL-100-6T-7.5 IE3	970		12.40	7.20	5.50	32	53545	82	276	2020
THT/WALL-125-4T/6-20 IE3	1470		29.87	17.25	15.00	10	78608	99	462	2020
THT/WALL-125-4T/6-25 IE3	1470		34.86	20.12	18.50	14	92546	100	530	2020
THT/WALL-125-4T/6-30 IE3	1470		41.77	24.11	22.00	16	98830	101	544	2020
THT/WALL-125-4T/6-40 IE3	1475		55.19	31.87	30.00	22	117456	101	625	2020
THT/WALL-125-4T/6-50 IE3	1480		73.00	42.10	37.00	26	131064	102	673	2020
THT/WALL-125-4T/9-25 IE3	1470		34.86	20.12	18.50	10	79671	95	539	2020
THT/WALL-125-4T/9-30 IE3	1470		41.77	24.11	22.00	12	88281	96	553	2020
THT/WALL-125-4T/9-40 IE3	1475		55.19	31.87	30.00	16	104040	96	634	2020
THT/WALL-125-4T/9-50 IE3	1480		73.00	42.10	37.00	20	118399	97	682	2020
THT/WALL-125-4T/12-30 IE3	1475		42.20	24.44	22.00	10	62897	99	569	2015
THT/WALL-125-4T/12-40 IE3	1470		53.30	31.02	30.00	14	79181	100	650	2015
THT/WALL-125-4T/12-50 IE3	1480		66.40	38.26	37.00	18	95715	100	693	2020
THT/WALL-125-6T/6-5.5 IE3	960		9.61	5.55	4.00	10	51502	82	395	2020
THT/WALL-125-6T/6-7.5 IE3	960		12.82	7.40	5.50	14	60634	83	402	2020
THT/WALL-125-6T/6-10 IE3	960		17.24	9.95	7.50	20	72647	83	427	2020
THT/WALL-125-6T/6-15 IE3	955		22.10	12.76	11.00	26	85869	84	457	2020
THT/WALL-125-6T/6-20 IE3	970		29.44	16.99	15.00	30	92854	85	530	2020
THT/WALL-125-6T/9-10 IE3	960		17.24	9.95	7.50	14	63487	84	436	2020
THT/WALL-125-6T/9-15 IE3	955		22.10	12.76	11.00	20	77572	85	466	2020
THT/WALL-125-6T/9-20 IE3	970		29.44	16.99	15.00	26	92968	86	539	2020
THT/WALL-125-6T/9-25 IE3	975		36.10	20.77	18.50	32	96500	87	569	2020
THT/WALL-125-6T/12-25 IE3	975		36.10	20.77	18.50	28	131859	84	579	2020
THT/WALL-125-6T/12-30 IE3	975		42.30	24.35	22.00	32	146765	85	621	2020
THT/WALL-125-6T/12-40 IE3	980		55.80	32.13	30.00	38	166138	86	739	2020

*In accordance with the ErP 2020 draft

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Model	A	B	C	D	ØD*	I	J	H	G	E	F	J1	J2	K1	K2	X2	ød
THT/WALL-40	640	590	650	600	400	80	255	530	510	82	430	700	200	700	200	200	10
THT/WALL-45	640	590	650	600	450	80	280	530	510	82	430	700	200	700	200	200	12
THT/WALL-50	690	690	700	700	500	80	305	530	510	82	560	790	220	790	220	200	12
THT/WALL-56	690	690	700	700	560	80	340	530	510	82	560	790	220	790	220	215	13
THT/WALL-56-2T-7.5	690	690	700	700	560	80	340	630	610	82	560	790	220	790	220	215	13
THT/WALL-63	990	990	1000	1000	630	80	385	630	605	82	760	1050	300	1050	300	215	13
THT/WALL-63-6T-1	990	990	1000	1000	630	80	385	530	505	82	760	1050	300	1050	300	215	13
THT/WALL-71	990	990	1000	1000	710	80	445	630	605	82	760	1050	300	1050	300	225	13
THT/WALL-80	990	990	1000	1000	800	100	490	630	605	82	760	1050	300	1050	300	280	13
THT/WALL-90	1190	1190	1200	1200	900	100	550	730	705	82	790	1250	250	1250	250	280	18
THT/WALL-90-4T-15	1190	1190	1200	1200	900	100	550	830	805	82	790	1250	250	1250	250	280	18
THT/WALL-100	1190	1190	1200	1200	1000	100	600	730	705	82	790	1250	250	1250	250	280	18
THT/WALL-100 >10CV	1190	1190	1200	1200	1000	100	600	830	805	82	790	1250	250	1250	250	280	18
THT/WALL-125	1490	1490	1500	1500	1250	100	725	1050	1025	82	1240	1600	300	1600	300	300	18
THT/WALL-125(4T/6-20;6T/6-5,5;6T/6-7,5;6T/6-10;6T/6-15;6T/9-10;6T/9-15)	1490	1490	1500	1500	1250	100	725	850	825	82	1240	1600	300	1600	300	300	18
THT/WALL-125-50CV	1490	1490	1500	1500	1250	100	725	1150	1125	82	1240	1600	300	1600	300	300	18

(*) Recommended pipe nominal diameter
(C x D) Nominal size of the wall opening