

Eezi-vent BTF Explosion Proof Portable Ventilators

Gases, vapours and mists escape during the production, processing, transportation, and storage of flammable substances in the chemical and petrochemical industries, as well as during the production of mineral oil and natural gas, in mining and in many other sectors.

Combustible dusts are also created during many processes, especially in the food industries.

In these environments all equipment, including fans, must be certified safe for use.



- Certified to safety standard: "Explosion Protected Ex db IIB T4 Gb"
- Widely used in underground cable maintenance, shipping, firefighting, pipe construction, oil machinery, chemical machinery, pharmaceutical machinery, and other hazardous areas requiring ventilation
 - Energy saving design features and good aerodynamic performance
 - Low noise levels
 - Easily portable:
Sizes 250 & 300 have handles for carrying.
Sizes 400; 500; 600; 700; & 800 have wheels
 - Robust construction
 - Suitable for single phase 220-240V 50/60Hz supply



Specifications

Protection afforded	Equipment Protection Level (EPL)	Performance of protection	Conditions of operation	T class or Max Surface Temp (°C)
	Group			
High	Gb Group II	Suitable for normal operation and frequently occurring disturbances or equipment where faults are normally taken into account	Equipment remains functioning in zones 1 and 2	T4 (135 °C)

Casing: Mild Steel; Impeller: Aluminium

Sizes: 250; 300; 400; 500; 600; 700; & 800mm.

Colour: Yellow



On/off switch



Wheels with lockable castors on BTF 40, 45, 50, 60, 70, & 80

Model	Impeller ø(mm)	Voltage (V AC)	Frequency (Hz)	Speed (RPM)	Power (W)	Amps (A)	Noise level (dBA)	Free air delivery (m ³ / s)
BTF-25 / 2	250	220 - 240	50 / 60	2920 / 3450	300 / 350	1.2 / 1.6	66	0.75 / 0.92
BTF-30 / 2	300	220 - 240	50 / 60	2920 / 3450	500 / 550	1.6 / 2.0	69	1.1 / 1.3
BTF-40 / 2	400	220 - 240	50 / 60	2920 / 3450	1000 / 1200	3.7 / 4.95	79	1.75 / 2.0
BTF-40 / 4	400	220 - 240	50 / 60	1400 / 1720	500 / 550	1.8 / 2.3	68	1.3 / 1.6
BTF-50 / 4	500	220 - 240	50 / 60	1400 / 1720	1100 / 1300	4.1 / 5.2	74	2.5 / 2.75
BTF-60 / 4	600	220 - 240	50 / 60	1400 / 1720	1800 / 2000	5.3 / 7.2	77	4.0 / 4.3
BTF-70 / 4	700	221 - 240	50 / 60	1400 / 1720	2200 / 2400	7.5 / 10.0	79	5.2 / 5.5
BTF-80 / 6	800	220 - 240	50 / 60	960 / 1120	2200 / 2400	7.5 / 10.5	74	6.0 / 6.3
BTF-80 / 4	800	380 - 440	50 / 60	1400 / 1720	3000 / 3100	7.0 / 9.5	81	8.7 / 9.2

Notes:

- Only highlighted models are ex stock.
- Units are supplied without plugs.



Tilt mechanism on BTF 40, 45, 50, 60, 70, & 80



Wire safety guards

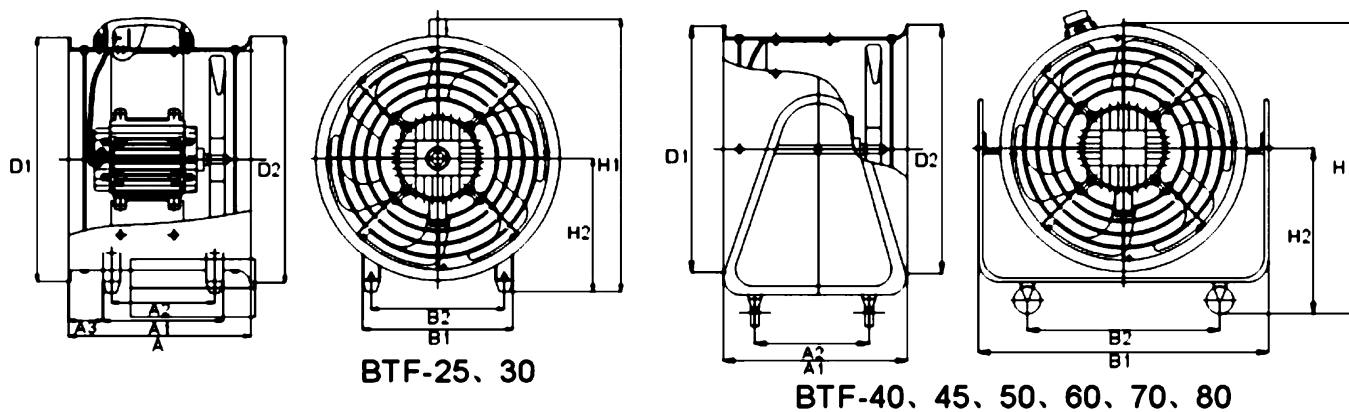


Rubber feet on BTF 25 & 30



Explosion proof flexible ducting
(ø355 & ø610mm)

Installation size



Eezi-vent BTF Explosion Proof dimensions (mm)

Model no.	D1	D2	H1	H2	A	A1	A2	B	B1	B2	Dimensions (LxWxH mm)	N.W (kg)	G.W (kg)
BTF-25	280	325	375	190	380	247	210	60	220	175	390x330x370	11	12
BTF-30	330	380	425	220	380	265	225	60	265	220	440x390x395	14	17
BTF-40	435	480	670	430	/	450	295	/	575	325	540x490x485	25,5	27
BTF-50	535	580	770	480	/	480	325	/	675	425	680x680x495	39	42
BTF-60	635	680	870	530	/	570	415	/	775	525	795x760x570	68	74
BTF-70	735	780	970	580	/	570	415	/	875	625	890x880x590	76	84
BTF-80	865	880	1070	630	/	580	425	/	975	725	1050x1010x660	84	90