

Product sheet
TU600 - TU800



- Bell mouth inlet and cone outlet ensure very high energy efficiency
- Designed to withstand climatic extremes and solar radiation
- All components made of highly corrosion resistant materials
- Insulated butterfly damper for tight seal when fan is not in use
- Aerodynamic design ensures a low noise level
- Patented "click system" allows for compact transport volumes and quick on-site assembly
- High efficiency Munters Drive motor version available on request

TU600 - TU800

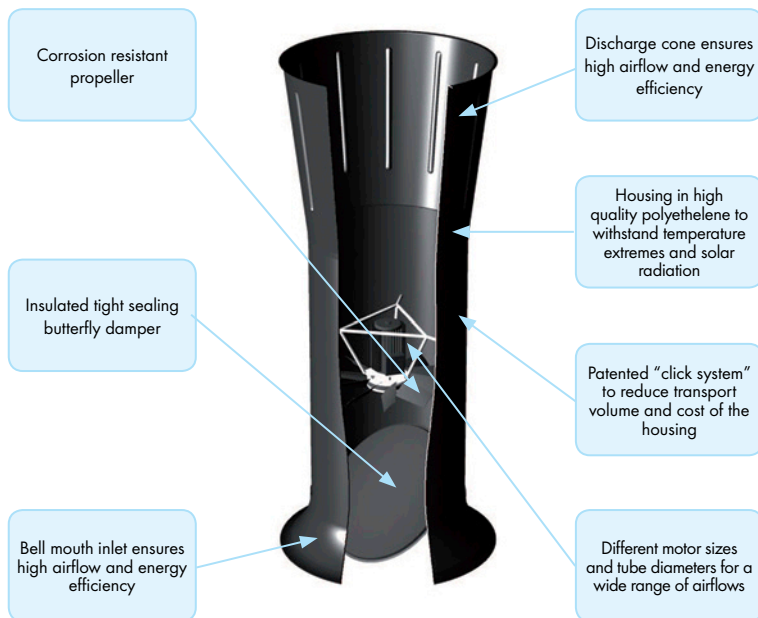
TU chimney extraction fan range is designed to perform reliably under the strenuous conditions associated with the ventilation of closed livestock structures. During cold and moderately warm periods a low rate of air extraction from livestock structures is required. Special emphasis needs to be placed on the variability of the ventilation rate and to avoid the creation of unnecessary drafts over the animals. TU chimney fan series is designed to meet these demands.

The position of the fans on the roof can be preferred to optimise the bio-security in between building sections.

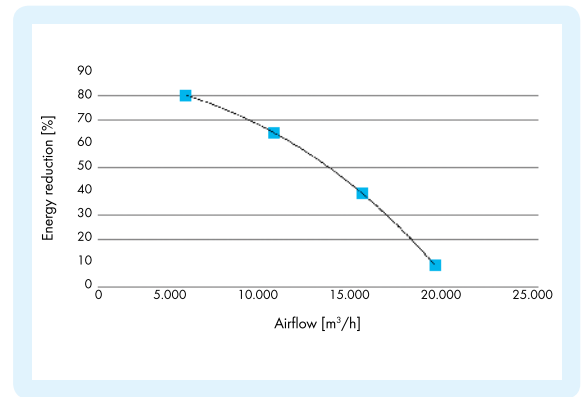
The TU chimney fan series comply with the Eco fan Directive, and is state of the art with aerodynamic designed fan house and super-efficient EC motors called Munters Drive.
To obtain a smooth and durable surface finish, high quality polyethylene is used in the construction of the main body of the fan.



TU



Energy reduction



TU800 - Munters Drive compared to standard motor.

Technical specifications

		TU600			TU800				
		STD	MUNTERS DRIVE		STD	MUNTERS DRIVE			
Motor type		STD	MUNTERS DRIVE		STD	MUNTERS DRIVE			
Motor size	[W]	250	660		370	430	550	660	
Voltage	[V]	1×230	1×230		1×230	3×400	1×230	1×230	
Weight of fully equipped fan	[kg]	27	25		39			37	
Nominal propeller speed	[rpm]	900	1,000	500	900			1,000	500
Airflow at 0 Pa	[m³/h] [cfm]	11,720 [6,898]	12,729 [7,492]	6,152 [3,621]	18,650 [10,977]	19,820 [11,666]	19,875 [11,698]	20,653 [12,156]	11,042 [6,499]
Airflow at 20 Pa	[m³/h] [cfm]	10,740 [6,321]	12,090 [7,116]	4,553 [2,680]	17,230 [10,141]	18,290 [10,765]	18,329 [10,788]	19,364 [11,397]	8,741 [5,145]
Airflow at 40 Pa	[m³/h] [cfm]	9,560 [5,627]	11,414 [6,718]	-	15,460 [9,099]	16,730 [9,847]	16,728 [9,846]	18,244 [10,738]	3,881 [2,284]
Specific performance at 0 Pa	[(m³/h)/W] [cfm/W]	27.5 [16.2]	28.4 [16.7]	91.4 [53.8]	31.7 [18.6]	33.0 [19.4]	25.0 [14.7]	34.0 [20.0]	116.0 [68.3]
Specific performance at 20 Pa	[(m³/h)/W] [cfm/W]	24.0 [14.1]	24.9 [14.7]	57.2 [33.7]	27.0 [15.9]	27.0 [15.9]	22.0 [12.9]	27.8 [16.4]	66.5 [39.1]
Specific performance at 40 Pa	[(m³/h)/W] [cfm/W]	20.1 [11.8]	22.0 [13.0]	-	23.0 [13.5]	22.4 [13.2]	19.1 [11.3]	24.0 [14.1]	27.8 [16.4]
Propeller Ø	[mm] [inch]	600 [23.6]	600 [23.6]		800 [31.5]			800 [31.5]	
Number of blades		10	10		5			5	
Propeller pitch	[°]	45	45		35	35	40	35	
Max operating temperature	[°C] [°F]	50 [122]	50 [122]		50 [122]			50 [122]	
IEC protective class of electric motor		IP55	IP55		IP55			IP55	

TU Chimney fan is developed and produced by Munters A/S, Denmark.

Australia Munters Pty Limited, Phone +61 2 8843 1594, **Brazil** Munters Brasil Industria e Comercio Ltda, Phone +55 41 3317 5050, **Canada** Munters Corporation Mason, Phone +1 517 676 7070, **China** Munters Air Treatment Equipment (Beijing) Co. Ltd, Phone +86 10 80 418 000, **Denmark** Munters A/S, Phone +45 9862 3311, **India** Munters India, Phone +91 20 3052 2520, **Indonesia** Munters, Phone +62 818 739 235, **Italy** Munters Italy S.p.A., Chiusavecchia, Phone +39 0183 52 11, **Japan** Munters K.K., Phone +81 3 5970 0021, **Korea** Munters Korea Co. Ltd., Phone +82 2 761 8701, **Mexico** Munters Mexico, Phone +52 818 262 54 00, **Russia** Munters AB, Phone +7 812 448 5740, **Singapore** Munters Pte Ltd., Phone +65 744 6828, **South Africa and Sub-Sahara Countries** Munters (Pty) Ltd., Phone +27 11 997 2000, **Spain** Munters Spain S.A., Phone +34 91 640 09 02, **Sweden** Munters AB, Phone +46 8 626 63 00, **Thailand** Munters Co. Ltd., Phone +66 2 642 2670, **Turkey** Munters Form Endüstri Sistemleri A.Ş, Phone +90 262 751 3750, **USA** Munters Corporation Mason, Phone +1 517 676 7070, **Vietnam** Munters Vietnam, Phone +84 8 3825 6838, **Export & Other countries** Munters Italy S.p.A., Chiusavecchia Phone +39 0183 52 11



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