PRODUCT SHEET

TU exhaust air chimneys

Exhaust air systems

TU exhaust air chimneys are designed to perform reliably under strenuous conditions associated with the ventilation of closed livestock structures.

All components are made of high quality and UV-resistant polyethylene. Designed for moderate climate and to withstand solar radiation.

The "click system" allows compact transport volumes and quick on-site assembly.

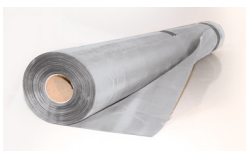
Advantages

- Two duct diameters available
- Shutter can be adjusted manually or with servomotor
- Intake nozzle/cone diffuser ensures efficient ventilation
- Chimneys made of high quality polyethylene
- Compact design
- Wide range of fans with different motor sizes

TU exhaust air ducts comply with the ErP (Ecodesign) Directive 2009/125/EC and are state of the art.

The TU exhaust air ducts are manufactured from high-quality polyethylene and exhibit a smooth and durable surface.

Accessories

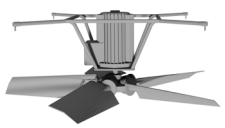


Flexible flashings

Bird protections for diffusers

Water collecting basins

Light filters



Fans

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Diffuser 1

The diffuser enables a high air flow and high energy efficiency.

HDPE duct 2

Made of high-quality polyethylene that is able to withstand moderate temperatures and sunlight exposure. The chimney can be extended by adding additional pipes. The “click system” reduces the transport volume and transport costs.

Shutter 3

The chimney can be closed with the shutter.

4 Fan

The fan is corrosion resistant and available in different versions.

5 intake nozzle

The intake nozzle enables an increase in air flow of up to 10%, depending on the fan.

Technical data Fans

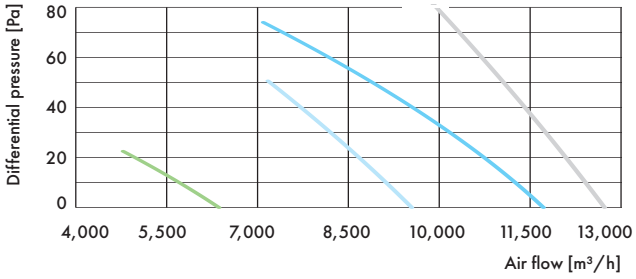
		TU 600				
Munters Drive		–	–	–	–	✓
Motor power	[W]	250	250	250	250	660
Voltage	[V]	230	230	230	230	230
Current	[A]	2.3	–	–	–	2,5
Nominal fan speed	[rpm]	900	900	900	900	–
Number of blades		10	10	10	10	10
Air flow at 0 Pa	[m³/h]	11,880	8,000	11,680	10,070	12,729
Air flow at 10 Pa	[m³/h]	11,120	7,300	11,120	9,640	12,413
Air flow at 20 Pa	[m³/h]	10,570	6,700	10,570	9,070	12,090

		TU 800						
Munters Drive		–	–	–	–	–	–	✓
Motor power	[W]	370	370	430	550	430	430	660
Voltage	[V]	230	230	400	230	400	400	230
Current	[A]	3	3	3 x 3.1	4	2.42	2.42	3,5
Nominal fan speed	[rpm]	900	900	900	900	900	900	–
Number of blades		5	5	5	5	5	5	5
Air flow at 0 Pa	[m³/h]	16,460	18,650	19,820	21,380	16,400	18,980	20,653
Air flow at 10 Pa	[m³/h]	15,850	17,950	19,140	20,500	15,750	18,980	20,019
Air flow at 20 Pa	[m³/h]	15,240	17,230	18,290	19,540	14,960	17,310	19,634

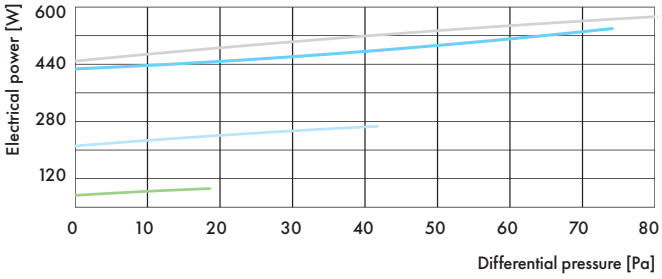
Technical data TU 600 / TU 600 Munters drive

		TU 600	TU 600 Munters drive		
Motor power	[W]	250	Munters drive		
Nominal fan speed	[rpm]	900	500	750	1.000
Number of blades		10		10	
Weight	[kg]	27		25	
Air flow at 0 Pa	[m³/h]	11,720	6,152	9,500	12,729
Air flow at 20 Pa	[m³/h]	10,740	4,553	8,664	12,090
Air flow at 50 Pa	[m³/h]	9,560	–	7,172	11,414
Specific performance at 0 Pa	[m³/h/W]	27.5	91.4	44.6	28.4
Specific performance at 20 Pa	[m³/h/W]	24.0	57.2	36.0	24.9
Specific performance at 50 Pa	[m³/h/W]	17.6	–	26.1	20.5
Electrical power at 20 Pa	[W]	448	80	241	486
Electrical power at 50 Pa	[W]	543	–	275	557
Permissible per ERP2015			✓		

Differential pressure vs. Flowrate



Electrical power vs. Differential pressure

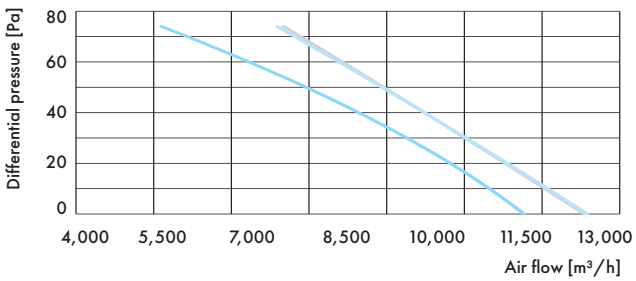


TU 600 MD - 50% — TU 600 MD - 75% — TU 600 - 250 W - 100% — TU 600 MD - 100%

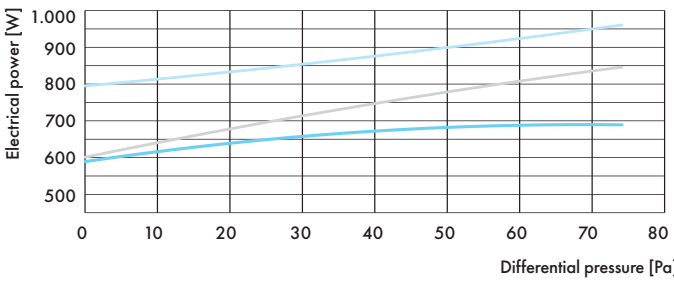
Technical data TU 800

		TU 800		
Motor power	[W]	368 - 1-phasig	434 - 3-phasig	551 - 1-phasig
Nominal fan speed	[rpm]	900	900	900
Number of blades			5	
Weight	[kg]		39	
Air flow at 0 Pa	[m³/h]	18,650	19,820	19,875
Air flow at 20 Pa	[m³/h]	17,230	18,290	18,329
Air flow at 50 Pa	[m³/h]	14,230	15,780	15,743
Specific performance at 0 Pa	[m³/h/W]	31.7	33.0	25.0
Specific performance at 20 Pa	[m³/h/W]	27.0	27.0	22.0
Specific performance at 50 Pa	[m³/h/W]	20.8	20.1	17.4
Electrical power at 20 Pa	[W]	638	677	833
Electrical power at 50 Pa	[W]	684	785	905
Permissible per ERP2015			✓	

Differential pressure vs. Flowrate



Electrical power vs. Differential pressure



TU 800 - 368 W - 100% — TU 800 - 434 W - 100% — TU 800 - 551 W - 100%

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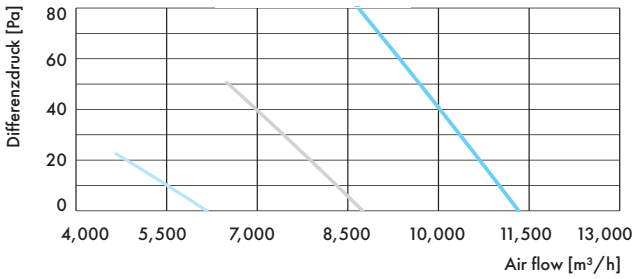
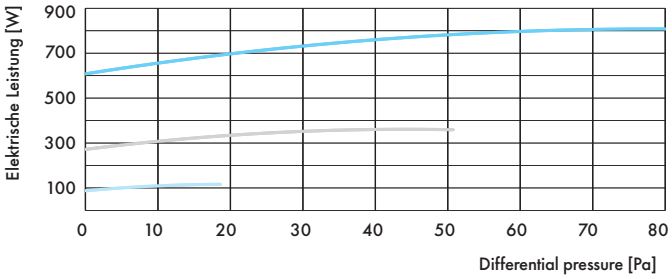
Technical data TU 800 Munters drive

			TU 800 Munters drive	
Motor power	[W]		Munters drive	
Nominal fan speed	[rpm]	500	750	1,000
Number of blades			5	
Weight	[kg]		37	
Air flow at 0 Pa	[m³/h]	11,042	15,394	20,653
Air flow at 20 Pa	[m³/h]	8,741	13,736	19,364
Air flow at 50 Pa	[m³/h]	–	11,000	17,250
Specific performance at 0 Pa	[m³/h/W]	116.0	55.6	34.0
Specific performance at 20 Pa	[m³/h/W]	66.5	41.0	27.8
Specific performance at 50 Pa	[m³/h/W]	–	30.6	22.0
Electrical power at 20 Pa	[W]	131	335	697
Electrical power at 50 Pa	[W]	–	359	784
Permissible per ERP2015			✓	

Differential pressure vs. Flowrate

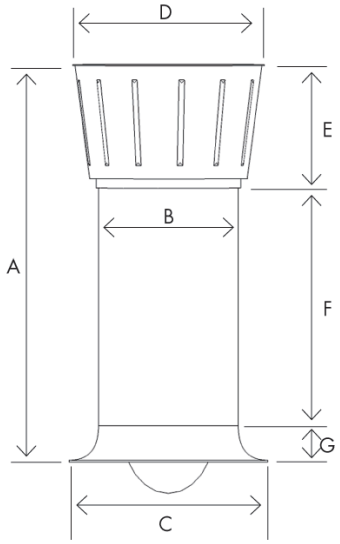


Electrical power vs. Differential pressure



TU 800 MD - 50% TU 800 MD - 75% TU 800 MD - 100%

Dimensions



	A	B	C	D	E	F	G
TU600	1,830 mm	633 mm	900 mm	900 mm	660 mm	1,000 mm	170 mm
TU800	1,830 mm	837 mm	1,100 mm	1,100 mm	660 mm	1,000 mm	170 mm

Find your nearest Munters office at **www.munters.com**

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