

### Medium pressure blower type MD10



<b>Type:</b>	Radial fan
<b>Configuration:</b>	In the standard version, the fan on the intake side has a stainless steel filter that can be used after cleaning with compressed air. When using a fine filter, the stainless steel filter be removed.
<b>Features:</b>	The device is suitable for operation with frequency inverters for speed control. If desired, the device can be equipped with a thermistor (PTC), the signal can be evaluated with an optional trip device. The tech. Data remains unchanged.
<b>Operating temperature:</b>	The operating temperature of the radial pressure may <b>NOT exceed 60°C/140°F</b> . Optionally, the inlet air temperature of the fan can be raised by a single temperature lock onto a <b>maximum of 180°C/356°F</b> and with a double temperature lock onto a <b>maximum of 230°C/446°F</b> .
<b>Ambient temperature:</b>	-20°C to +60 C / -4°F to +140°F.
<b>Voltage:</b>	Optional 1 x 230VAC with Capacitor 8/450µF/V (Item no.: 5110887)

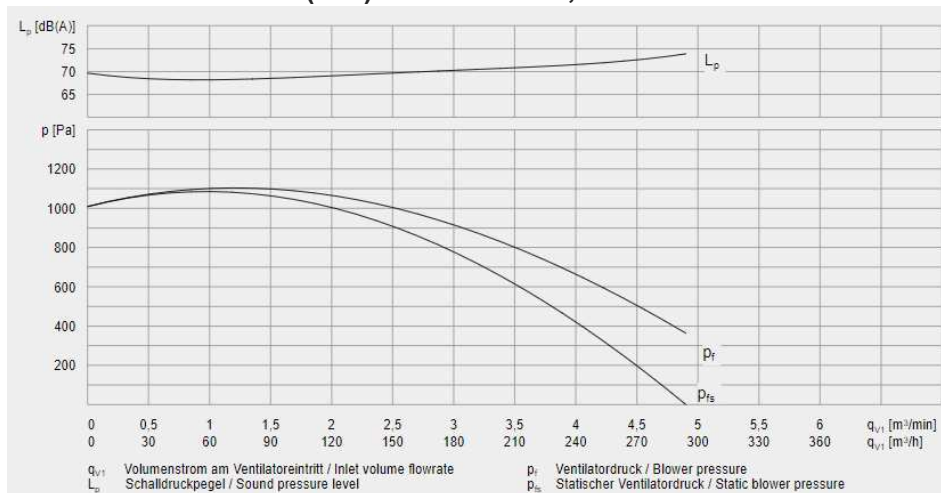
#### Technical data

Type:		Centrifugal fan			
Item no.:		5103507	5103509	on request	on request
Voltage	VAC	(Δ/Y) 230/400	(Δ/Y) 277/480	230	(Δ) 500
Frequency	Hz	50	60	50	60
Motor power	KW	0,08	0,12	0,08	0,11 (0,15HP)
Efficiency	cos φ	0,67	0,87	0,67	0,75
Current	A (Δ/Y)	0,55 / 0,32	0,61 / 0,35	0,65	Δ 0,34
Volume flow	m <sup>3</sup> / min	4,9	5,9	4,8	5,2
Total pressure difference	Pa	1'000	1'300	1'000	1'200
Speed	rpm	2'750	3'380	2'700	3'210
Sound pressure level	LpA (db)	73	76	73	76
Weight	kg	8,5		8,6	8,5
Air intake	mm	Ø 70			
Air outlet	mm	Ø 60 (outside)			
Dimensions	mm (LxBxH)	356,5 x 238 x 344,5			
Protection type		IP 54			
Conformity		CE			UL
Protection class I					

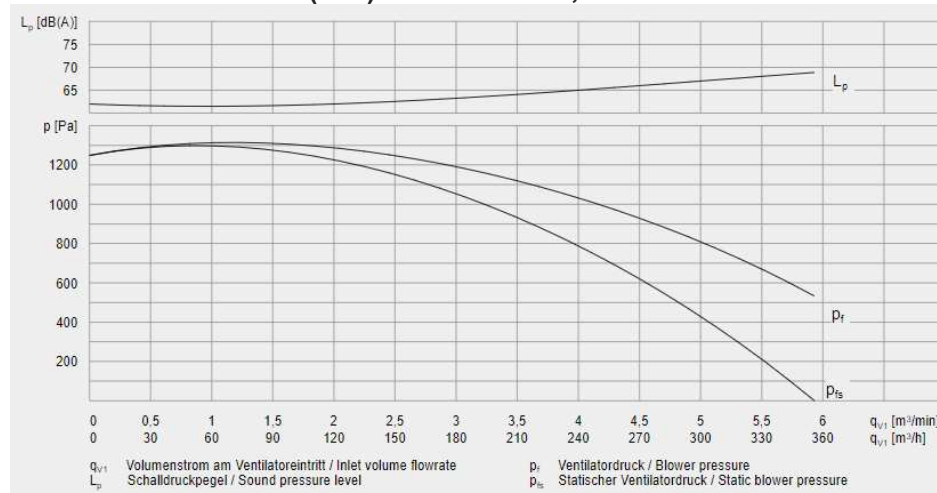
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Fan characteristics

(Y/Δ) 230 - 400VAC, 50Hz



(Y/Δ) 277 - 480VAC, 60Hz
















**Permissible vibration values according to ISO 14694**





Fan application category [a <sub>h</sub> ]	Rigidly mounted [mm/s <sup>2</sup> ]		Flexibly mounted [mm/s <sup>2</sup> ]	
	Peak	r.m.s.	Peak	r.m.s.
<b>BV-3</b>	<b>3,8</b>	<b>2,8</b>	<b>5,1</b>	<b>3,5</b>

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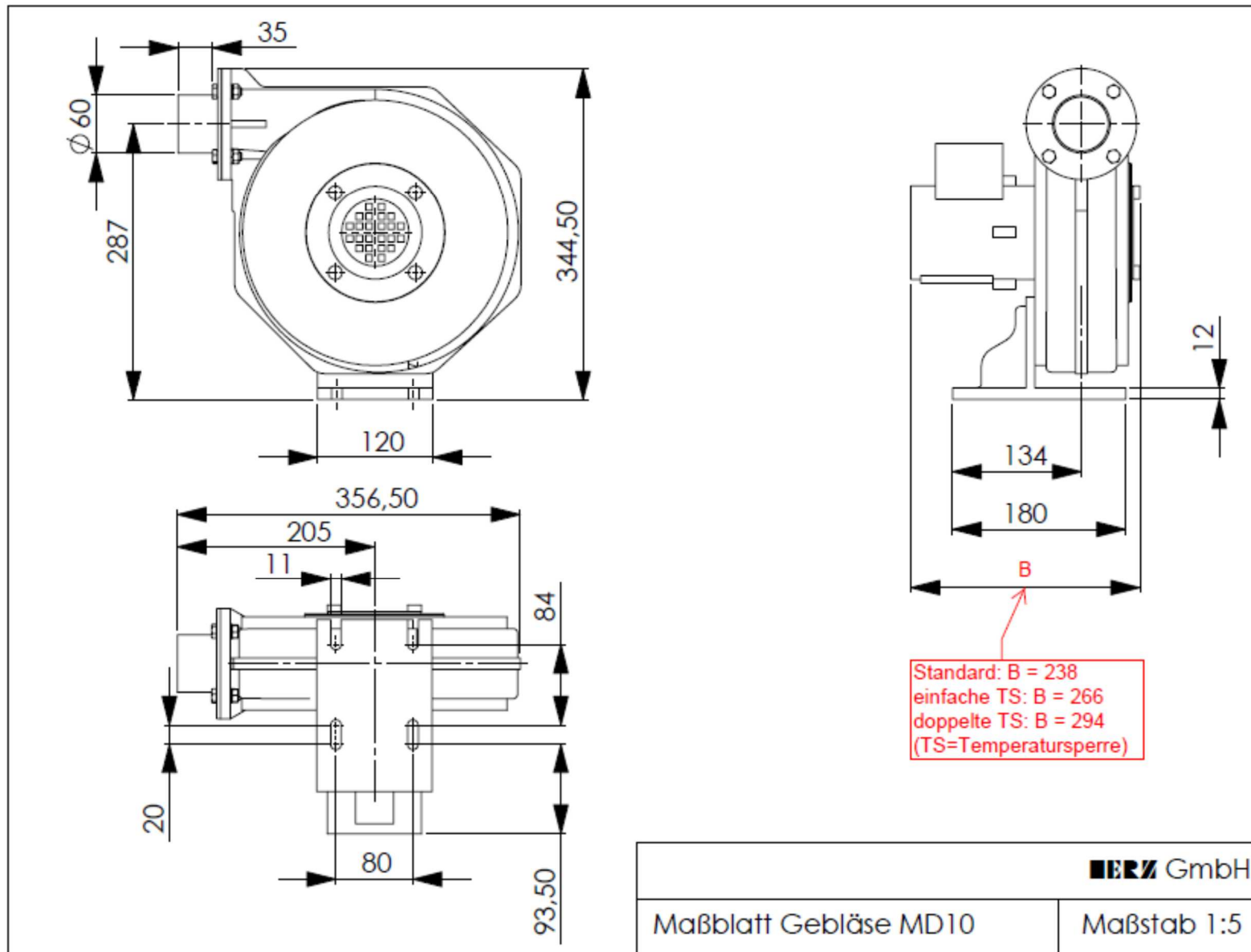
#### Accessories:

Item no.	Description
5110887	 Motor capacitor 230 V~ with clamp and cable
5107278	 Hose connection adaptor 1 x 60mm inside / 2 x 60mm outside
5107291	 Hose connection adaptor 1 x 60mm inside / 1 x 38mm outside
5107293	 Hose connection adaptor 1 x 38mm inside / 2 x 38mm outside
5207293	 Hose connection adaptor 1 x 38mm / 2 x 38mm – with thread outside
5107281	 Hose connection adaptor 1 x 38mm inside / 3 x 14mm outside
5107298	 Hose connection adaptor 1 x 38mm inside / 2 x 19mm outside
5107288	 PVC air hose– Ø 60mm inside
5107286	 PVC air hose – Ø 38mm inside
5107285	 Hose clamp for hose Ø 60mm
5107287	 Hose clamp for hose Ø 38mm
5107240	 Cap for hose connection adaptor Ø 60mm
5107241	 Cap for hose connection adaptor Ø 38mm

**Medium pressure blower type MD10****Accessories:**

<b>Item no.</b>	<b>Description</b>
5107350	 PVC air hose – Ø 19mm inside
5107290	 Hose clamp for hose Ø 19mm
5107242	 Cap for hose connection adaptor Ø 19mm
5107356	 Stainless steel filter for MD10
5013402	Intake for MD10
5100620	Paper filter for MD10

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