

## Medium pressure blower type MD14



- Type:** Radial fan
- Configuration:** 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.
- Features:** 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.
- Operating temperature:** The operating temperature of the radial pressure may **NOT exceed 60°C/140°F**. Optionally, the inlet air temperature of the fan can be raised by a single temperature lock onto a **maximum of 180°C/356°F** and with a double temperature lock onto a **maximum of 230°C/446°F**.
- Ambient temperature:** -20°C to +60 C / -4°F to +140°F.
- Voltage:** Optional 1 x 230VAC/50Hz, Capacitor 12/450µF/V (Item no.: 5103523)

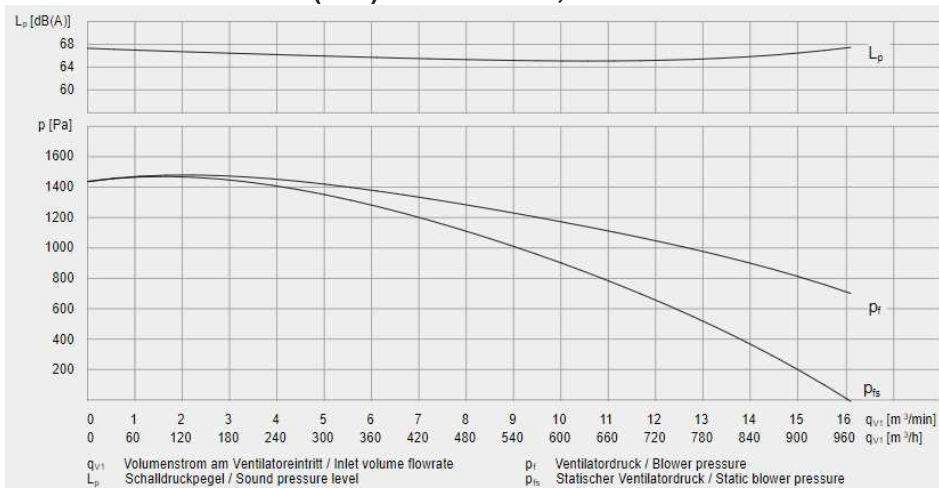
### Technical data

Type:	Centrifugal fan			
Item no.:		5103527	5103531	on request
<b>Voltage</b>	VAC	(Y/Δ) 230 - 400	(Y/Δ) 277/ - 480	230
<b>Frequency</b>	Hz	50	60	50
<b>Motor power</b>	KW	0,37	0,44	0,37
<b>Current</b>	A	1,73/1,00		2,50
<b>Volume flow</b>	m <sup>3</sup> / min	16,1	16,3	16,1
<b>Total pressure difference</b>	Pa	1'470	1'590	1'400
<b>Speed</b>	rpm	2'845	3'440	2825
<b>Sound pressure level</b>	LpA (db)	76	77	76
<b>Weight</b>	kg	17,0		17,5
<b>Air intake</b>	mm	Ø 125		
<b>Air outlet</b>	mm	Ø 90 (aussen)		
<b>Dimensions</b>	mm (LxWxH)	485 x 350 x 485,5		
<b>Protection type</b>		IP 54		
<b>Conformity</b>		CE		
<b>Protection class I</b>		⏚		

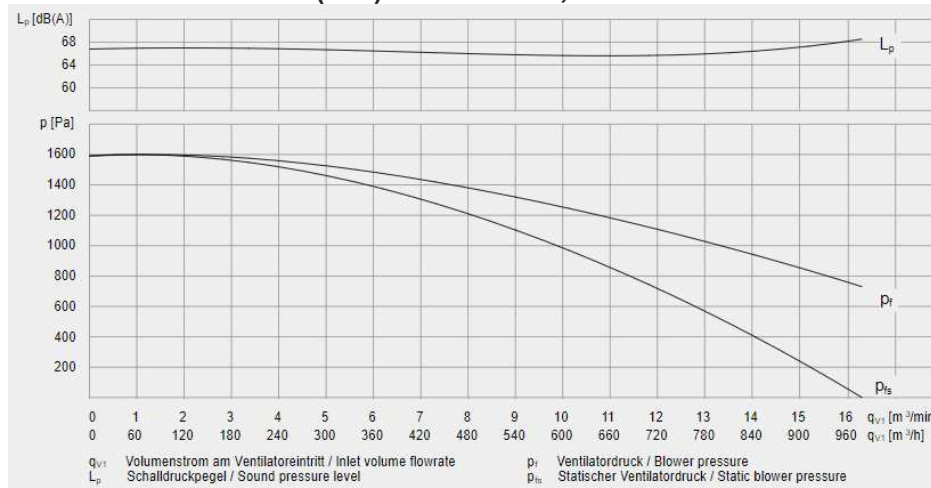
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Fan characteristics

(Y/Δ) 230/400VAC, 50Hz



(Y/Δ) 277/480VAC, 60Hz
















**Permissible vibration values according to ISO 14694**

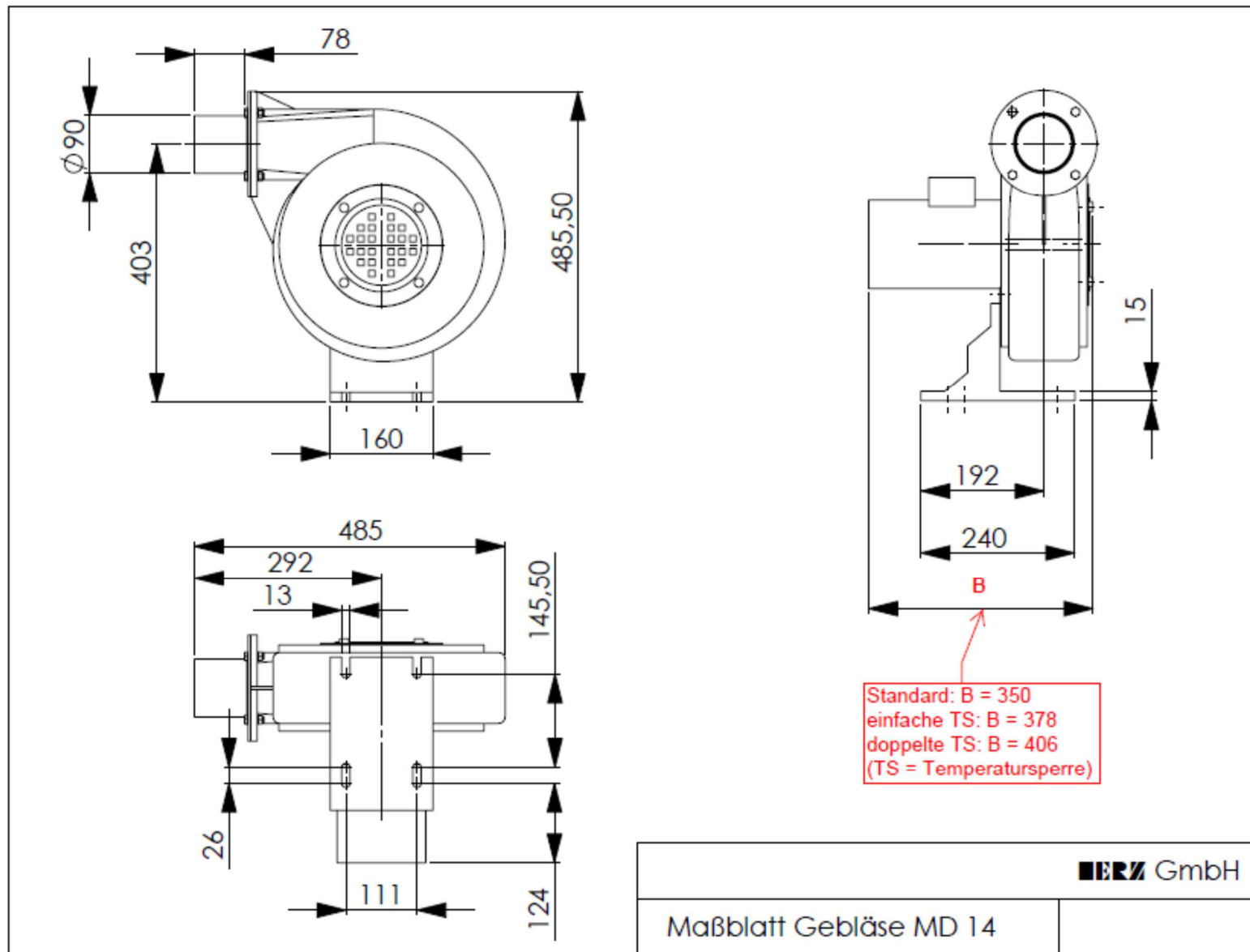
Fan application category [a <sub>h</sub> ]	Rigidly mounted [mm/s <sup>2</sup> ]		Flexibly mounted [mm/s <sup>2</sup> ]	
	Peak	r.m.s.	Peak	r.m.s.
<b>BV-3</b>	<b>3,8</b>	<b>2,8</b>	<b>5,1</b>	<b>3,5</b>

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**Accessories:**

Item no.	Description
5103523	 Motor capacitor 230 V~ with clamp and cable
5107238	 Hose connection adaptor 1 x 90mm inside / 2 x 60mm outside
5107278	 Hose connection adaptor 1 x 60mm inside / 2 x 60mm 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 innen
5107285	 Clamp for hose Ø 60mm
5107240	 Cap for hose connection adaptor Ø 60mm
5107286	 PVC air hose – Ø 38mm innen
5107287	 Clamp for hose Ø 38mm
5107241	 Cap for hose connection adaptor Ø 38mm
5113402	Intake for MD14

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