

## High pressure blower type HD140



<b>Type:</b>	Side channel blower
<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</b> .
<b>Ambient temperature:</b>	-20 ° C to +60 ° C;
<b>Voltage:</b>	Optional 1 x 230VAC/50Hz, Capacitor 16/450uF/V (Item-no.: 5108623)

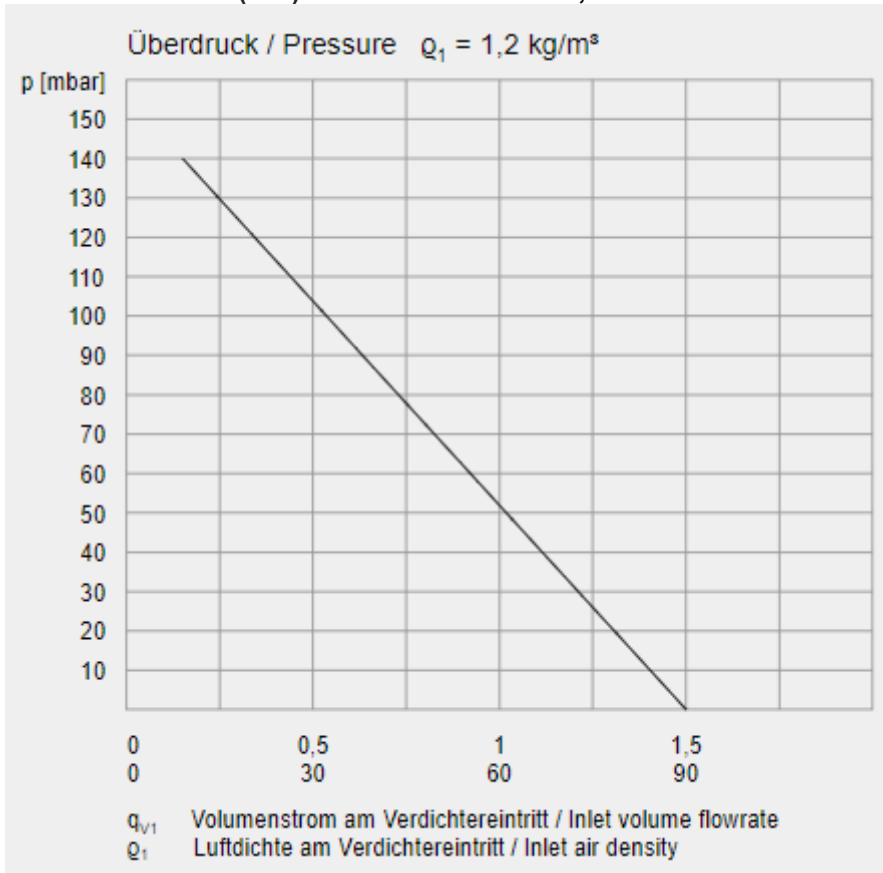
## Technical data

Type:	Side channel blower		
Item no.:		5103429	on request
<b>Voltage</b>	VAC (Y/Δ)	200 – 255 / 346 - 440	200 – 247 / 346 – 480
<b>Frequency</b>	Hz	50	60
<b>Motor power</b>	KW	0,42	0,52
<b>Current</b>	A (Y/Δ)	1,73 – 2,10 / 1,00 – 1,20	2,00 – 2,50 / 1,15 – 1,45
<b>Volume flow</b>	m³ / min	1,50	1,60
<b>Total pressure difference</b>	Pa	14'000	
<b>Speed</b>	rpm	2'845	3'435
<b>Sound pressure level</b>	LpA (db)	64 – 73	69 – 76
<b>Weight</b>	kg	11,3	
<b>Air intake</b>	mm	Ø 38 (aussen)	
<b>Air outlet</b>	mm	Ø 38 (aussen)	
<b>Dimensions</b>	mm (LxWxH)	283 x 244 x 266,5	
<b>Protection type</b>		IP 54	
<b>Conformity</b>		CE	
<b>Protection class I</b>		⏚	

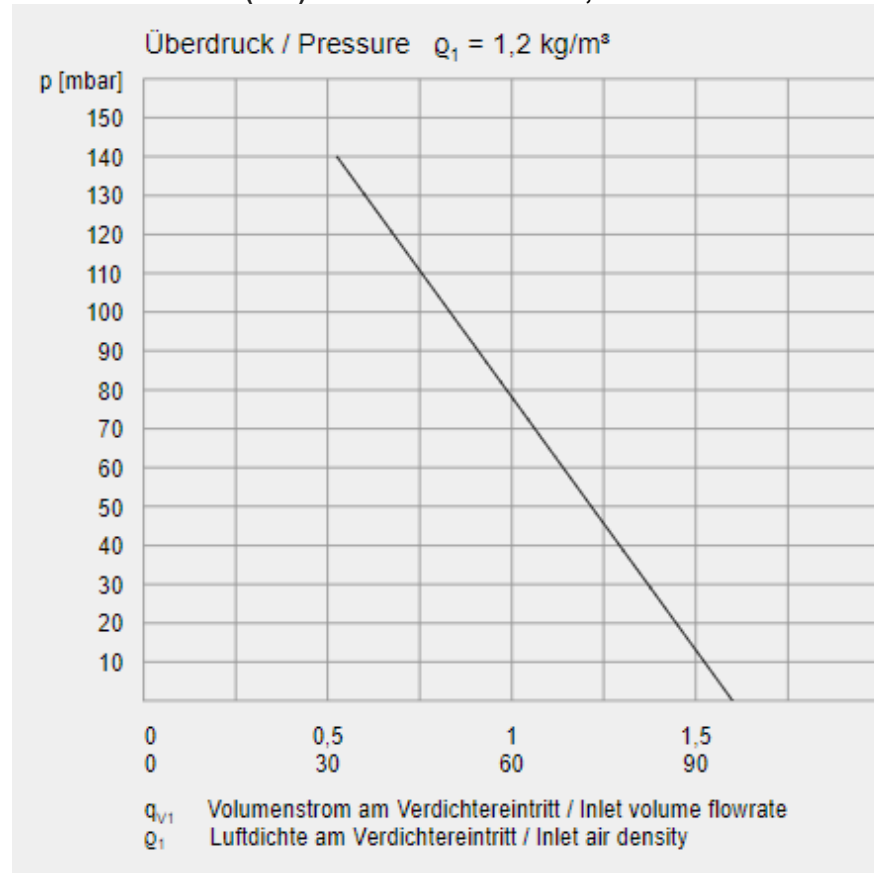
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Fan characteristics

(Y/Δ) 200–255/346–440VAC, 50Hz



(Y/Δ) 200–277/346–480VAC, 60Hz















**Permissible vibration values according to ISO 14694**

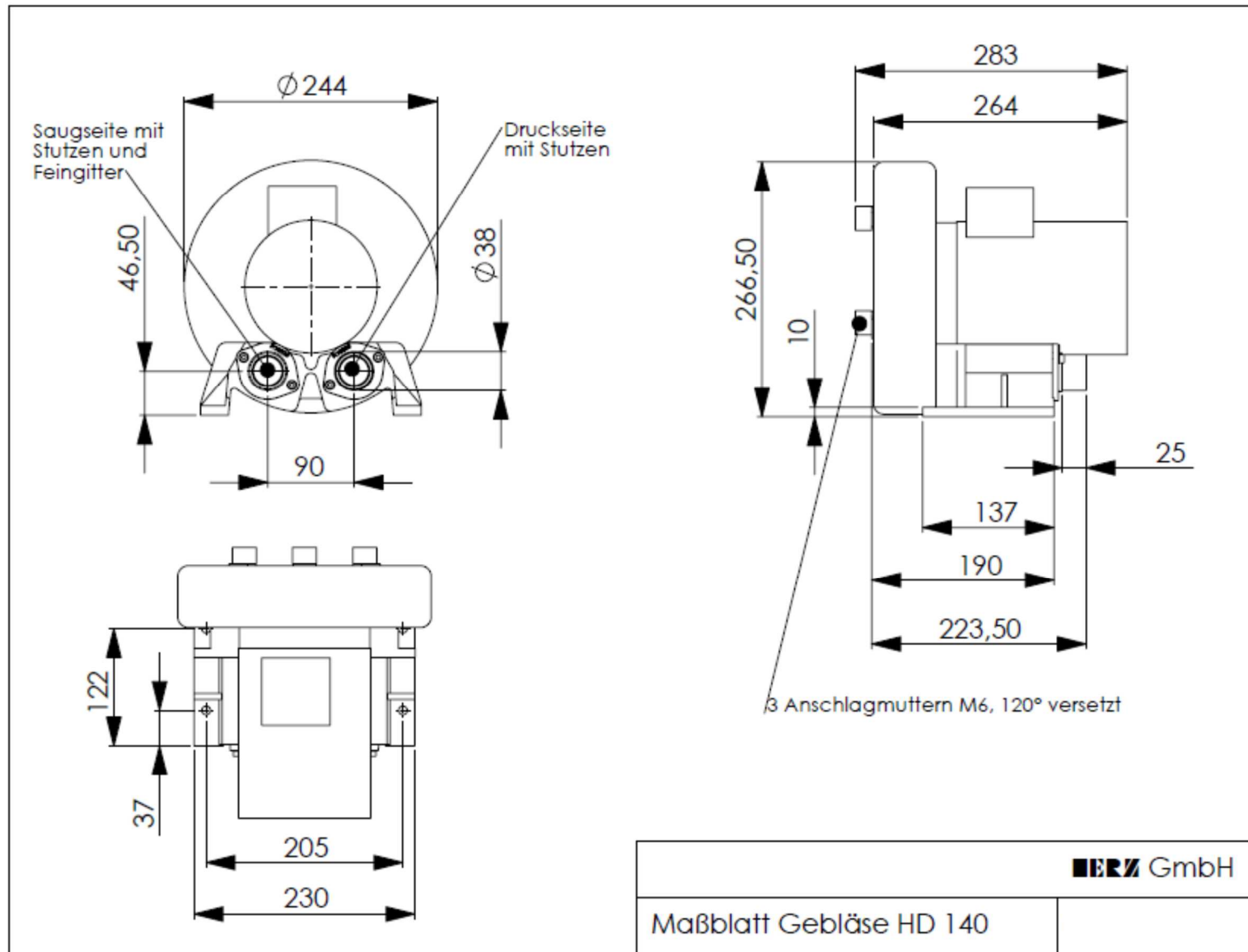
Fan application category [ $a_n$ ]	Rigidly mounted [ $\text{mm/s}^2$ ]		Flexibly mounted [ $\text{mm/s}^2$ ]	
	Peak	r.m.s.	Peak	r.m.s.
<b>BV-3</b>	<b>3,8</b>	<b>2,8</b>	<b>5,1</b>	<b>3,5</b>

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### Accessories

Item-No.		Description
5108623		Motor capacitor 230 V ~ with clamp and cable
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
5107286		PVC air hose – Ø 38mm inside
5107287		Hose clip for hose Ø 38mm
5107241		Closure Cap for hose connection adaptor Ø 38mm
5107350		PVC air hose aus PVC – Ø 19mm inside
5107290		Hose clip for hose Ø 19mm
5107242		Closure Cap for hose connection adaptor Ø 19mm
5107354		Stainless steel filter for HD140

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