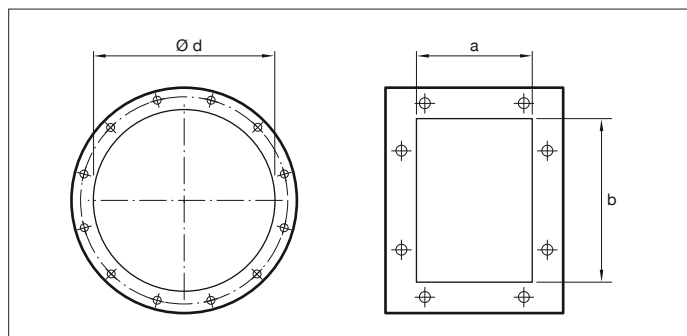
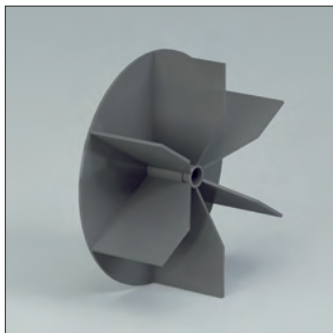
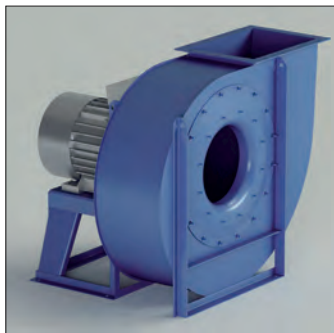


ZM - ZM/T



ZM - ZM/T

Direct and indirect driven centrifugal fans.
Impeller with straight, open radial blades.

Application

For the transport of solid materials mixed with air, sawdust and various chips, also suitable for filaments.

Technical specifications:

Air volume: 200 up to 65.000 m³/h
Total pressure: 300 up to 500 daPa.

Application area

Medium air volumes, medium pressures.

Model	Installed power (kW)	Axle height mm	Poles	Inlet ø d mm	Outlet dimensions a x b mm	Inspection door	Welding fan housing
ZM220/2	0.37	71	2	125	103 x 124	Optional	Optional
ZM250/2R	0.55	71	2	180	148 x 207	Optional	Optional
ZM250/2	0.75	80	2	180	148 x 207	Optional	Optional
ZM280/2R	1.1	80	2	200	166 x 231	Optional	Optional
ZM280/2	1.5	90	2	200	166 x 231	Optional	Optional
ZM310/2R	1.5	90	2	225	185 x 258	Optional	Optional
ZM310/2	2.2	90	2	225	185 x 258	Optional	Optional
ZM350/2R	3	100	2	250	205 x 288	Optional	Optional
ZM350/2	4	112	2	250	205 x 288	Optional	Optional
ZM400/2R	5.5	132	2	275	229 x 322	Optional	Optional
ZM400/2	7.5	132	2	275	229 x 322	Optional	Optional
ZM450/2R	9.2	132	2	325	256 x 361	Optional	Optional
ZM450/2	11	160	2	325	256 x 361	Optional	Optional
ZM500/2R	15	160	2	350	288 x 404	Optional	Optional
ZM500/2	22	180	2	350	288 x 404	Optional	Optional
ZM450/4	1.5	90	4	325	256 x 361	Optional	Optional
ZM500/4R	2.2	100	4	350	288 x 404	Optional	Optional
ZM500/4	3	100	4	350	288 x 404	Optional	Optional
ZM560/4R	4	112	4	400	322 x 453	Optional	Optional
ZM560/4	5.5	132	4	400	322 x 453	Optional	Optional
ZM630/4R	7.5	132	4	450	361 x 507	Optional	Optional
ZM630/4	11	160	4	450	361 x 507	Optional	Optional
ZM710/4R	11	160	4	500	404 x 569	Included	Included
ZM710/4	15	160	4	500	404 x 569	Included	Included
ZM800/4R	18.5	180	4	550	453 x 638	Included	Included
ZM800/4	30	200	4	550	453 x 638	Included	Included
ZM900/4R	37	225	4	630	507 x 715	Included	Included
ZM900/4	45	225	4	630	507 x 715	Included	Included
ZM1000/4R	55	250	4	710	569 x 801	Included	Included
ZM1000/4	75	280	4	710	569 x 801	Included	Included

ZM - ZM/T

DELIVERY CHARACTERISTICS

 • Load tolerance $\pm 5\%$

• Fan	Motor	P inst. [kW]	n	LpA [dB(A)]	Q [m³/h]																					
					325	360	400	430	470	540	650	720	790	865	935	1080	1225	1370	1440	1620	1800	2160				
					pt[mmH₂O]																					
ZM220/2	71	0,37	2740	60	71	71	70	69	68	65	57	51	48	42												
ZM250/2R	71	0,55	2800	62	90		90	89	89	88	85	80	76	72	68	56										
ZM250/2	80	0,75	2855	63					101	101	100	98	96	93	90	84	73	66								
ZM280/2R	80	1,1	2855	64						109	108	107	106	105	102	99	88	80	71							
ZM280/2	90	1,5	2855	66							126	125	125	124	124	122	117	112	100	97	86	75				
ZM310/2R	90	1,5	2855	66								130	128	126	125	124	116	110	102	98	86					
ZM310/2	90	2,2	2880	68										163	160	158	156	155	152	146	140	128	122			
ZM350/2R	100	3	2900	70												183	179	177	176	175	163	152				
ZM350/2	112	4	2905	72																		205	204	201	199	184
ZM400/2R	132	5,5	2925	74																				244	240	
ZM400/2	132	7,5	2930	76																						271
ZM450/2R	132	9,2	2940	77																						
ZM450/2	160	11	2940	80																						
ZM500/2R	160	15	2940	80																						
ZM500/2	180	22	2960	82																						
ZM450/4	90	1,5	1440	65																		83	82	81	78	
ZM500/4R	100	2,2	1440	66																				90	88	
ZM500/4	100	3	1440	67																						102
ZM560/4R	112	4	1440	69																						
ZM560/4	132	5,5	1460	70																						
ZM630/4R	132	7,5	1460	72																						
ZM630/4	160	11	1460	73																						
ZM710/4R	160	11	1460	76																						
ZM710/4	160	15	1460	76																						
ZM800/4R	180	18,5	1460	79																						
ZM800/4	200	30	1470	80																						
ZM900/4R	225	37	1470	82																						
ZM900/4	225	45	1470	82																						
ZM1000/4R	250	55	1480	84																						
ZM1000/4	280	75	1480	85																						

Q [m³/h]

pt[mmH₂O]

The A-weighted sound power level, L_{pA} (Chap.13), is the value measured in test conditions at the point of maximum noise level.

ZM - ZM/T

SUCTION CHARACTERISTICS

 • Load tolerance $\pm 5\%$

• Fan	• Motor	P inst. [kW]	n	LpA [dB(A)]	Q [m³/h]																			
					325	360	400	430	470	540	650	720	790	865	935	1080	1225	1370	1440	1620	1800	2160		
					pt[mmH₂O]																			
ZM220/2	71	0,37	2740	60	70	70	69	68	67	64	56	50	47	40										
ZM250/2R	71	0,55	2800	62	89		89	89	89	88	85	80	76	73	69	58								
ZM250/2	80	0,75	2855	63					100	100	100	98	96	93	90	85	74	68						
ZM280/2R	80	1,1	2855	64						108	107	106	106	105	102	99	89	81	73					
ZM280/2	90	1,5	2855	66							125	124	124	123	123	122	117	113	101	99	88	78		
ZM310/2R	90	1,5	2855	66								129	127	125	124	123	116	110	103	99	87			
ZM310/2	90	2,2	2880	68										161	158	156	155	154	151	146	140	129	124	
ZM350/2R	100	3	2900	70												180	177	175	174	173	162	152		
ZM350/2	112	4	2905	72														202	201	199	197	183		
ZM400/2R	132	5,5	2925	74																239	236			
ZM400/2	132	7,5	2930	76																		266		
ZM450/2R	132	9,2	2940	77																				
ZM450/2	160	11	2940	80																				
ZM500/2R	160	15	2940	80																				
ZM500/2	180	22	2960	82																				
ZM450/4	90	1,5	1440	65														83	82	81	78			
ZM500/4R	100	2,2	1440	66																90	88			
ZM500/4	100	3	1440	67																		102		
ZM560/4R	112	4	1440	69																				
ZM560/4	132	5,5	1460	70																				
ZM630/4R	132	7,5	1460	72																				
ZM630/4	160	11	1460	73																				
ZM710/4R	160	11	1460	76																				
ZM710/4	160	15	1460	76																				
ZM800/4R	180	18,5	1460	79																				
ZM800/4	200	30	1470	80																				
ZM900/4R	225	37	1470	82																				
ZM900/4	225	45	1470	82																				
ZM1000/4R	250	55	1480	84																				
ZM1000/4	280	75	1480	85																				

ZM - ZM/T

- Noise tolerance $\pm 4\text{dB(A)}$

[illegible]

The A-weighted sound power level, L_{pA} (Chap.13), is the value measured in test conditions at the point of maximum noise level.

ZM - ZM/T

• Size	• Max rpm
CLASSE I	
ZM220	5000
ZM250	5000
ZM280	4750
ZM310	4250
ZM350	4000
ZM400	3500
ZM450	3500
ZM500	3150
ZM560	2940
ZM630	2800
ZM710	2300
ZM800	2000
ZM900	1700
ZM1000	1550

• Values valid up to 60°C

• between	60°C	• and	100°C	• degrade speed	4%
	100°C		150°C		10%
	150°C		200°C		16%
	200°C		250°C		23%
	250°C		300°C		30%
	300°C		350°C		37%
	350°C		400°C		45%
	400°C		450°C		54%
	450°C		500°C		64%

pt [mmH₂O]

