

RL - RL/T



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Direct and indirect driven centrifugal fans.
Impeller with negative (backwards curved) blades.

Technical specifications:

Air volume:
1.000 up to 270.000 m³/h
Total pressure:
20 up to 460 daPa.

Application

For the transport of clean air.

Application area

Medium-high air volumes, low pressures.

Model	Installed power (kW)	Axle height mm	Poles	Inlet ø d mm	Outlet dimensions a x b mm	Inspection door	Welding fan housing
RL250/2	0.55	71	2	250	185 x 258	Optional	Optional
RL280/2	1.1	80	2	275	205 x 288	Optional	Optional
RL310/2	2.2	90	2	325	229 x 322	Optional	Optional
RL350/2	3	100	2	350	256 x 361	Optional	Optional
RL400/2R	4	112	2	400	288 x 404	Optional	Optional
RL400/2	5.5	132	2	400	288 x 404	Optional	Optional
RL450/2R	7.5	132	2	450	322 x 453	Optional	Optional
RL450/2	11	160	2	450	322 x 453	Optional	Optional
RL500/2R	15	160	2	500	361 x 507	Optional	Optional
RL500/2	18.5	160	2	500	361 x 507	Optional	Optional
RL310/4	0.18	63	4	325	229 x 322	Optional	Optional
RL350/4	0.37	71	4	350	256 x 361	Optional	Optional
RL400/4R	0.55	80	4	400	288 x 404	Optional	Optional
RL400/4	0.75	80	4	400	288 x 404	Optional	Optional
RL450/4R	0.75	80	4	450	322 x 453	Optional	Optional
RL450/4	1.1	90	4	450	322 x 453	Optional	Optional
RL500/4R	1.5	90	4	500	361 x 507	Optional	Optional
RL500/4	2.2	100	4	500	361 x 507	Optional	Optional
RL560/4R	3	100	4	550	404 x 569	Optional	Optional
RL560/4	4	112	4	550	404 x 569	Optional	Optional
RL630/4R	5.5	132	4	630	453 x 638	Optional	Optional
RL630/4	7.5	132	4	630	453 x 638	Optional	Optional
RL710/4R	11	160	4	710	507 x 715	Optional	Optional
RL710/4	15	160	4	710	507 x 715	Optional	Optional
RL800/4R	18.5	180	4	800	569 x 801	Optional	Optional
RL800/4	22	180	4	800	569 x 801	Optional	Optional
RL900/4R	37	225	4	900	638 x 898	Included	Included
RL900/4	45	225	4	900	638 x 898	Included	Included
RL1000/4R	55	250	4	1000	715 x 1007	Included	Included
RL1000/4	75	280	4	1000	715 x 1007	Included	Included
RL500/6R	0.37	80	6	500	361 x 507	Included	Included
RL500/6	0.55	80	6	500	361 x 507	Included	Included
RL560/6R	0.75	90	6	550	404 x 569	Included	Included
RL560/6	1.1	90	6	550	404 x 569	Included	Included
RL630/6R	1.5	100	6	630	453 x 638	Included	Included
RL630/6	2.2	112	6	630	453 x 638	Included	Included
RL710/6R	3	132	6	710	507 x 715	Included	Included
RL710/6	4	132	6	710	507 x 715	Included	Included
RL800/6R	5.5	132	6	800	569 x 801	Included	Included
RL800/6	7.5	160	6	800	569 x 801	Included	Included
RL900/6R	11	160	6	900	638 x 898	Included	Included
RL900/6	15	180	6	900	638 x 898	Included	Included
RL1000/6R	18.5	200	6	1000	715 x 1007	Included	Included
RL1000/6	22	200	6	1000	715 x 1007	Included	Included
RL1120/6R	30	225	6	1100	801 x 1130	Included	Included
RL1120/6	37	250	6	1100	801 x 1130	Included	Included
RL1250/6R	55	280	6	1250	898 x 1267	Included	Included
RL1250/6	75	315	6	1250	898 x 1267	Included	Included
RL1400/6R	90	315	6	1400	1007 x 1421	Included	Included
RL1400/6	110	315	6	1400	1007 x 1421	Included	Included

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•Noise tolerance $\pm 4dB(A)$

		Q [m³/h]																								
		9000	10080	10800	12600	14400	16200	18000	19800	21600	25200	28800	32400	36000	39600	43200	46800	54000	61200	68400	75600	86400	97200	108000	122400	140000
		pt[mmH ₂ O]																								
144	110																									
195	170	154	106																							
260	243	229	191	149	101																					
311	304	290	263	234	200	163																				
359	348	340	318	295	267	236	202	165																		
34																										
52	45	35																								
74	64	56	39																							
97	89	83	65	48	31																					
123	119	115	105	92	79	64	48																			
139	136	133	125	115	104	90	77	62																		
	168	167	162	153	144	134	121	108	77																	
		190	187	183	176	167	159	148	124	96	65															
			230	228	224	219	211	193	170	143	114	84														
				247	246	242	237	223	204	182	156															
								294	290	281	267	251	232	209	186	134										
									315	314	308	298	285	269	250	229	183	132								
												356	349	341	328	314	280									
													391	388	383	375	365	338	305	266	223	160				
22																										
40	35	31	21																							
51	47	44	35	23																						
67	63	60	54	44	35																					
81	79	76	71	64	56	48	36	30																		
101	100	99	96	92	85	79	72	60	41																	
	108	107	106	103	100	93	86	78	59	40																
			131	130	129	126	122	117	107	94	78	54														
				141	139	138	134	132	121	107	95	81	62													
					161	160	159	154	146	135	121	117	91	85												
						173	173	170	166	160	148	137	124	111	81											
								195	193	189	183	175	166	155	131	103	75									
									220	218	215	210	204	197	178	156	131	103								
											248	248	245	241	229	214	195	173	137	98						
												275	274	272	266	255	241	223	194	159	123					
															303	298	289	277	255	229	198	153				
																342	341	337	331	317	298	275	239	188		

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

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• Size	• Max rpm		
	CLASSE I	CLASSE II	CLASSE III
RL250	4000	5000	6000
RL280	3600	4400	5300
RL310	3200	4000	4750
RL350	2900	3600	4250
RL400	2600	3200	3900
RL450/R	2500	3000	3700
RL450	2350	2850	3500
RL500/R	2200	2700	3300
RL500	2050	2550	3100
RL560/R	1900	2400	3000
RL560	1800	2250	2800
RL630/R	1700	2150	2600
RL630	1600	2050	2500
RL710/R	1900	2300	2550
RL710	1800	2200	2400
RL800/R	1700	2050	2300
RL800	1600	1950	2150
RL900/R	1500	1850	2000
RL900	1450	1750	1900
RL1000/R	1350	1650	1800
RL1000	1250	1550	1700
RL1120/R	1250	1350	1450
RL1200	1200	1300	1400
RL1250/R	1150	1250	1350
RL1250	1100	1200	1300
RL1400/R	1050	1150	1250
RL1400	1000	1100	1200
RL1600	900	1000	1100
RL1800	800	900	1000
RL2000	700	800	900

• 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]

