

FC

For single and three-phase AC current



Description

Motor technology: AC
Thermal class: THCL155
Min. authorised media temperature $t_{R(min)}$: 3~: -40 °C, or 1~ -25 °C
Min. authorised media temperature $t_{R(min)}$: -10 °C (wall ring plate made of composite material)
Max. authorised media temperature $t_{R(max)}$: 40 °C
Wall ring plate material: * galvanised steel sheet, ** composite material

Electrical connection: Terminal box
Protection class: IP54
Motor protection: Thermostat
Blades: Aluminium, 1-layer coating, black
Rotor: Aluminium, 1-layer coating, black

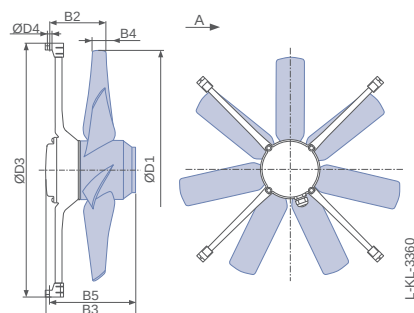
Performance data

Low pressure fans											
Type	Rating plate information						Values at operating point			L _{pA} dB (A)	Connection diagram
	P ₁ W	U +/- 10% V	I _{meas.} A	I _{max} A	n min ⁻¹	C μF	p _{sF} =0 Pa	p _{sF} =30 Pa			
							q _v m³/h	q _v m³/h	P _{spec} Wh/1000m³		
FC035-4E_2C.A7	160	1~230	0.75	0.96	1370	8	3460	3050	51.5	46	123XB
FC040-4E_4C.A7	260	1~230	1.20	1.55	1370	6	4730	4400	53.5	49	104XB
FC045-4E_4F.A7	380	1~230	1.90	2.25	1365	7	6350	5950	56.5	54	104XB
FC045-4D_4C.A7	360	3~400	0.75	0.75	1390	-	6400	5950	53.8	53	106XB
FC050-4E_4I.A7	510	1~230	2.30	2.7	1310	8	8000	7400	59.7	53	104XB
FC050-4D_4F.A7	530	3~400	1.10	1.2	1360	-	8330	7800	59.0	54	106XB

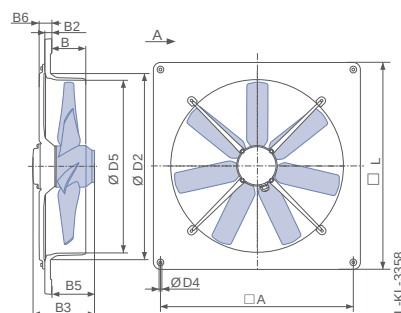
Sound pressure level taking into account the protective guard. free blowing at a distance of 7m on the output side. 45° to the axis of the fan.

Airflow direction A

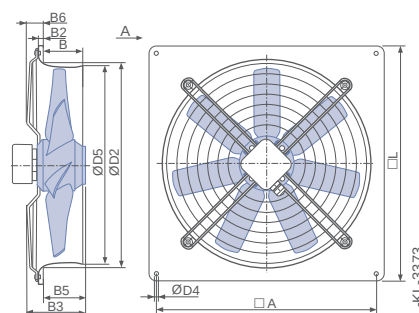
Design T - for installation in chimney ex-hausts, without guard grille
FC040-050



Design Q - square full bell mouth, without guard grille
FC040-050



Design Q - square full bell mouth, guard grille suction side
FC035



Fans design T without guard grille

Type	Article no.	B2 mm	B3 mm	B4 mm	B5 mm	D1 mm	D3 mm	D4 mm	Weight kg
FC040-4ET.4C.A7	141138	148	183	37	173	395	400	9	6.9
FC045-4ET.4F.A7	130773	147	198	33	189	447	457	9	8.4
FC045-4DT.4C.A7	130789	147	183	33	174	447	457	9	7.0
FC050-4ET.4I.A7	130775	148	218	37	209	497	506	9	10.5
FC050-4DT.4F.A7	130791	148	198	37	189	497	506	9	8.8

Fans design Q without guard grille

Type	Article no.	A mm	B mm	B2 mm	B3 mm	B5 mm	B6 mm	D2 mm	D4 mm	D5 mm	L mm	Weight kg
FC040-4EQ.4C.A7	141070**	490	127	23	182	98	61	461	9	411	540	9.4
FC045-4EQ.4F.A7	141071**	535	125	25	198	112	63	510	10	466	575	11.2
FC045-4DQ.4C.A7	141181**	535	125	25	183	97	63	510	10	466	575	9.8
FC050-4EQ.4I.A7	141072**	615	135	25	218	132	63	560	11	516	655	14.0
FC050-4DQ.4F.A7	141182**	615	135	25	198	112	63	560	11	516	655	12.3

Fans design Q with guard grille

Type	Article no.	A mm	B mm	B2 mm	B3 mm	B5 mm	B6 mm	D2 mm	D4 mm	D5 mm	L mm	Weight kg
FC035-4EQ.2C.A7	141212*	435	75	12	177	89	50	372	9	367	485	7.5
FC040-4EQ.4C.A7	141073**	490	127	23	183	99	67	461	9	411	540	10.4
FC045-4EQ.4F.A7	141178**	535	125	25	198	113	69	510	10	452	575	12.2
FC045-4DQ.4C.A7	141177**	535	125	25	183	97	69	510	10	452	575	10.9
FC050-4EQ.4I.A7	141183**	615	135	25	218	132	74	560	11	516	655	16.7
FC050-4DQ.4F.A7	141184**	615	135	25	197	112	74	560	11	516	655	13.5

Design Q - square full bell mouth, guard grille suction side

FC040-050

