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Axial fans FC
AC technology

Product overview

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Size 1000	Page 500
Size 1120	Page 512
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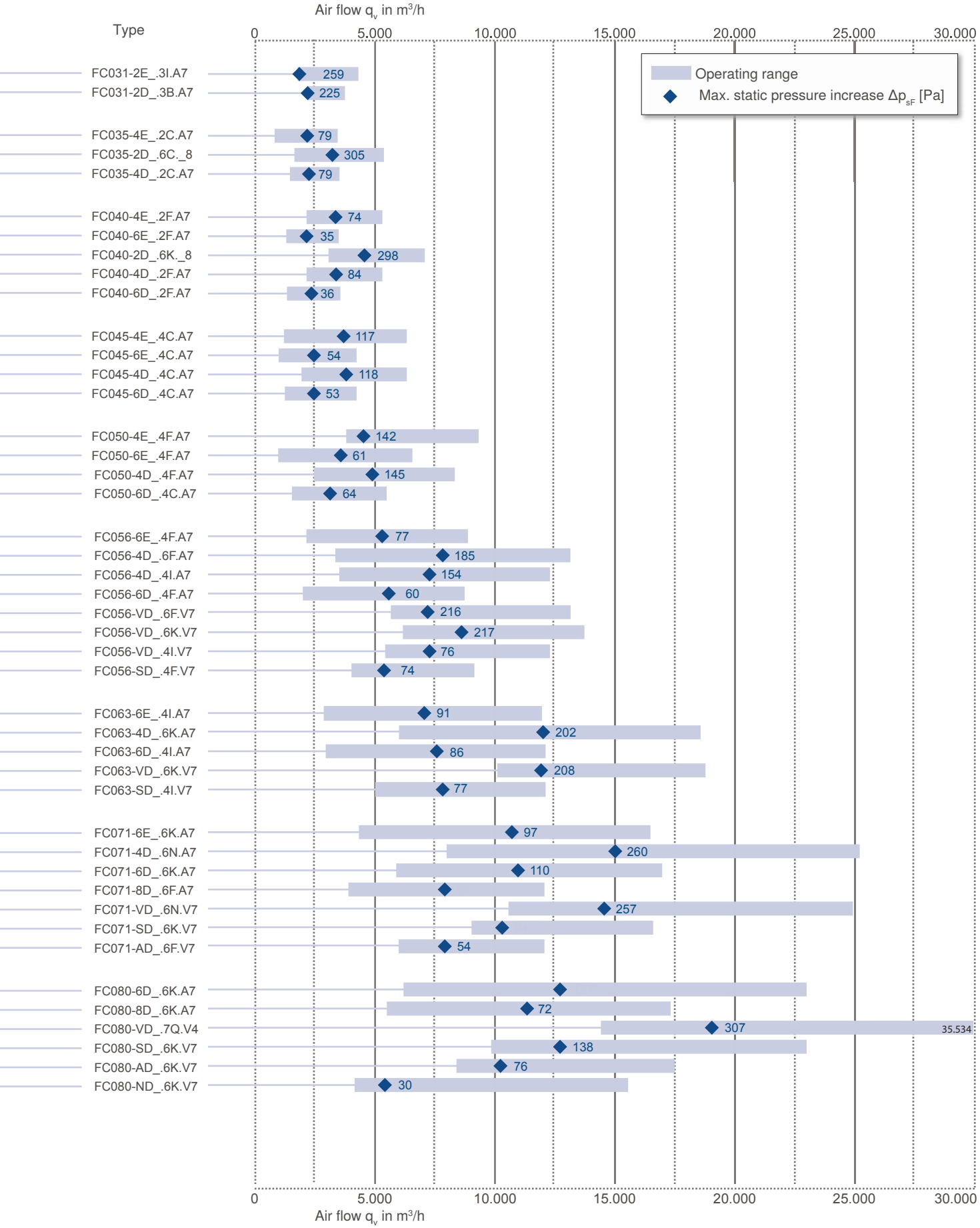
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Size	Voltage	Polecount	Type	Airflow direction	ErP	Page
315 mm	1~ 230 V	2	FC031-2E_.3I.A7	A	2015	408
	3~ 400 V	2	FC031-2D_.3B.A7	A	2015	410
350 mm	1~ 230 V	4	FC035-4E_.2C.A7	A	2013 *	412
	3~ 400 V	2	FC035-2D_.6K._8	A V	2013	414
		4	FC035-4D_.2C.A7	A	2015	416
400 mm	1~ 230 V	4	FC040-4E_.2F.A7	A	2013 *	418
		6	FC040-6E_.2F.A7	A	-	420
	3~ 400 V	2	FC040-2D_.6K._8	A V	2013	422
		4	FC040-4D_.2F.A7	A	2015	424
		6	FC040-6D_.2F.A7	A	-	426
450 mm	1~ 230 V	4	FC045-4E_.4C.A7	A	2015	428
		6	FC045-6E_.4C.A7	A	2013	430
	3~ 400 V	4	FC045-4D_.4C.A7	A	2015	432
		6	FC045-6D_.4C.A7	A	-	434
500 mm	1~ 230 V	4	FC050-4E_.4I.A7	A	2015	446
		6	FC050-6E_.4C.A7	A	2015	448
	3~ 400 V	4	FC050-4D_.4F.A7	A	2015	440
		6	FC050-6D_.4C.A7	A	2015	442
560 mm	1~ 230 V	6	FC056-6E_.4F.A7	A	2013	444
	3~ 400 V	4	FC056-4D_.6F.A7	A	2015	446
			FC056-4D_.4I.A7	A	2015 *	448
		6	FC056-6D_.4F.A7	A	2015	450
			FC056-VD_.6F.V7	V	2015	452
		4-4	FC056-VD_.6K.V7	V	2013	454
			FC056-VD_.4I.V7	V	2015 *	456
		6-6	FC056-SD_.4F.V7	V	2015	458
630 mm	1~ 230 V	6	FC063-6E_.4I.A7	A	2015 *	460
	3~ 400 V	4	FC063-4D_.6K.A7	A	2015	462
		6	FC063-6D_.4I.A7	A	2015	464
		4-4	FC063-VD_.6K.V7	V	2015	466
		6-6	FC063-SD_.4I.V7	V	2015	468
710 mm	1~ 230 V	6	FC071-6E_.6K.A7	A	2015	470
	3~ 400 V	4	FC071-4D_.6N.A7	A	2015	472
		6	FC071-6D_.6K.A7	A	2015	474
		8	FC071-8D_.6F.A7	A	2013	476
		4-4	FC071-VD_.6N.V7	V	2015	478
		6-6	FC071-SD_.6K.V7	V	2015	480
		8-8	FC071-AD_.6F.V7	V	2013	482
800 mm	3~ 400 V	6	FC080-6D_.6K.A7	A	2015	484
		8	FC080-8D_.6K.A7	A	2015	486
		4-4	FC080-VD_.7Q.V4	V	2013	488
		6-6	FC080-SD_.6K.V7	V	2015	490
		8-8	FC080-AD_.6K.V7	V	2015	492
		12-12	FC080-ND_.6K.V7	V	2013	494

* with ZIEHL-ABEGG frequency inverter

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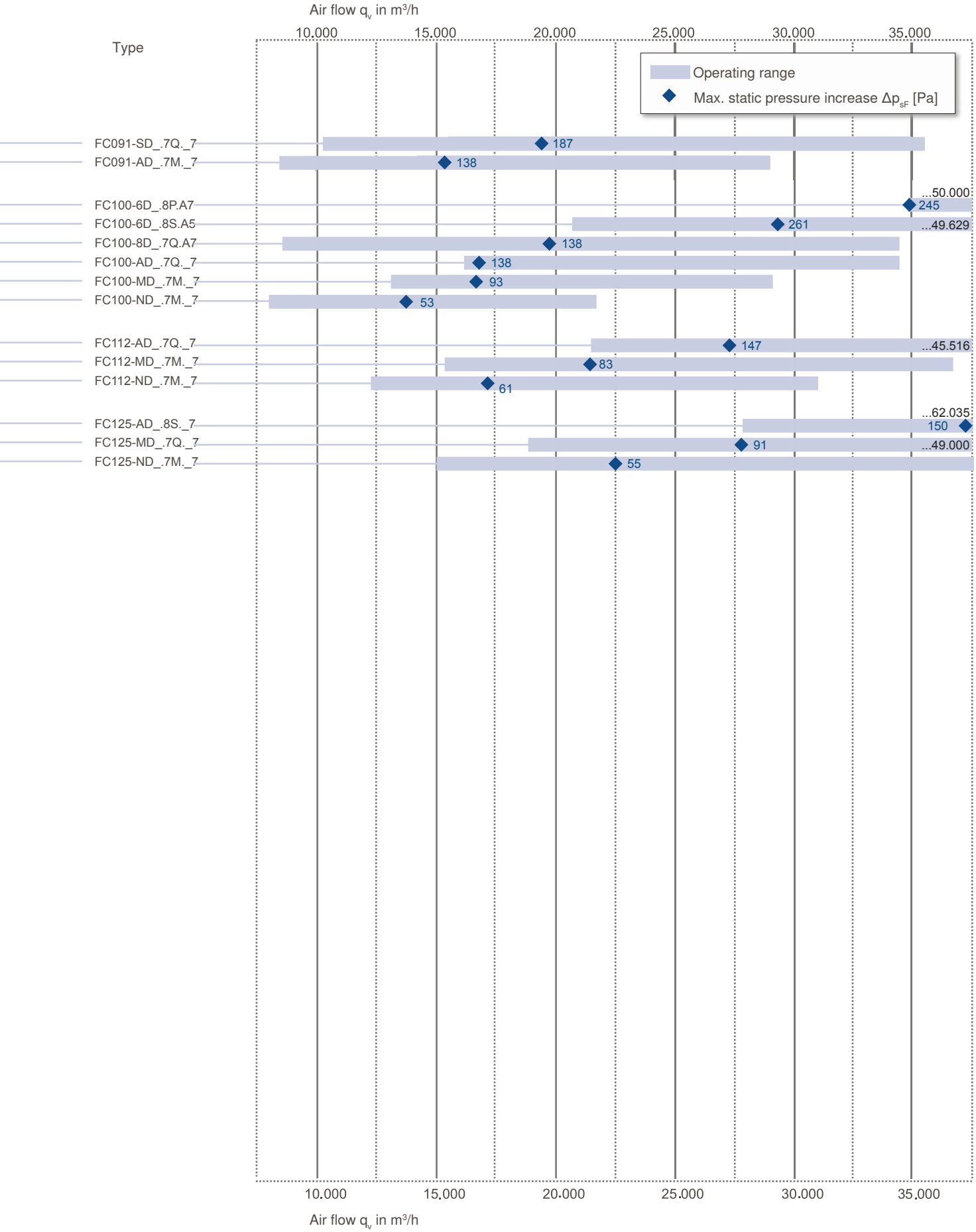
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Size	Voltage	Polecount	Type	Airflow direction	ErP	Page
910 mm	3~ 400 V	6-6	FC091-SD_.7Q._7	A ⇒ ⇐ V	2015	496
		8-8	FC091-AD_.7M._7	A ⇒ ⇐ V	2013	498
1000 mm	3~ 400 V	6	FC100-6D_.8P.A7	A ⇒	2015	500
		6	FC100-6D_.8S.A5	A ⇒	2015	502
		8	FC100-8D_.7Q.A7	A ⇒	2015	504
		8-8	FC100-AD_.7Q._7	A ⇒ ⇐ V	2015	506
		10-10	FC100-MD_.7M._7	A ⇒ ⇐ V	2013	508
		12-12	FC100-ND_.7M._7	A ⇒ ⇐ V	2015	510
1120 mm	3~ 400 V	8-8	FC112-AD_.7Q._7	A ⇒ ⇐ V	2015	512
		10-10	FC112-MD_.7M._7	A ⇒ ⇐ V	2013	514
		12-12	FC112-ND_.7M._7	A ⇒ ⇐ V	2013	516
1250 mm	3~ 400 V	8-8	FC125-AD_.8S._7	A ⇒ ⇐ V	2015	518
		10-10	FC125-MD_.7Q._7	A ⇒ ⇐ V	2015 *	520
		12-12	FC125-ND_.7M._7	A ⇒ ⇐ V	2013	522

* with ZIEHL-ABEGG frequency inverter

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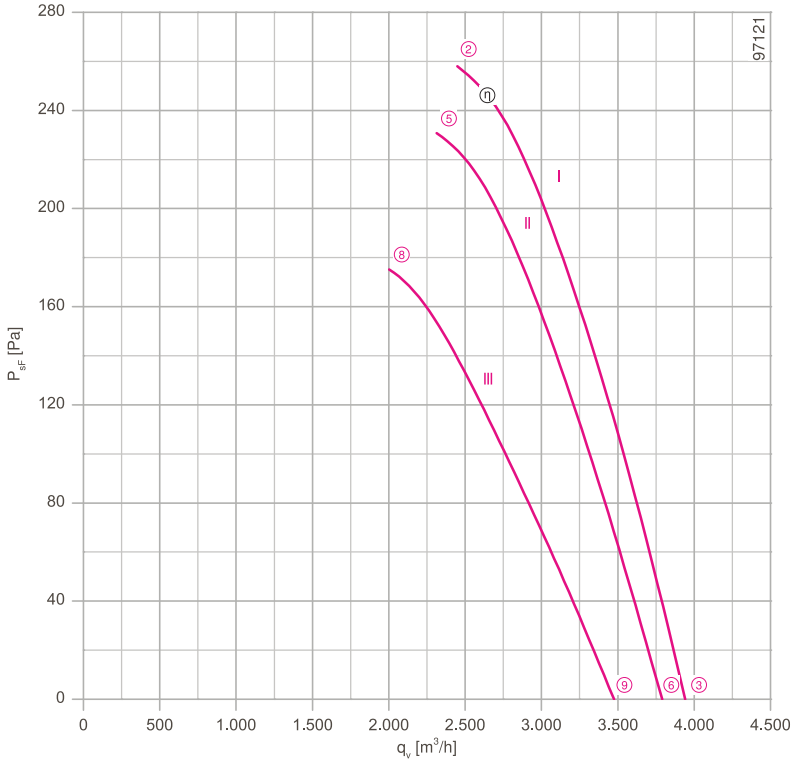
FC

for single phase alternating current, 2 pole

FC031-2E



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

Motor technology: AC
Rated voltage U_N: **1~ 230 V±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.56 kW***
Rated current I_N: **2.40 A***
Rated speed n_N: **2860 min^{-1}***
Starting current I_A: 10.00 A
Current increase ΔI: 0 %
Service capacitor C_{400V}: 14.0 µF
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -25 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Supply cable lateral-diagonal 65 cm
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 33.2 %
Efficiency: N_{actual} = 41.1 / N_{target} = 40**
* Rated data
**ErP 2015

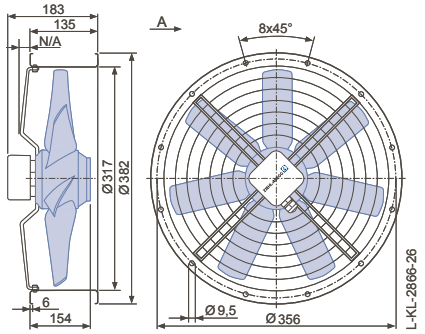
Connection diagram 1360-104XB Page 608

System components Page 524

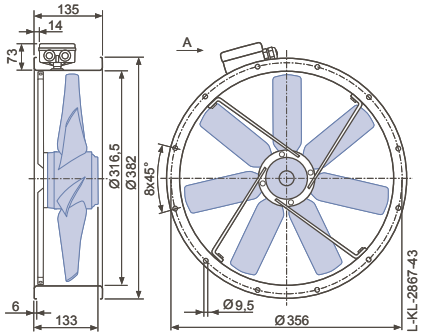
Dimensions [mm]

Airflow direction A

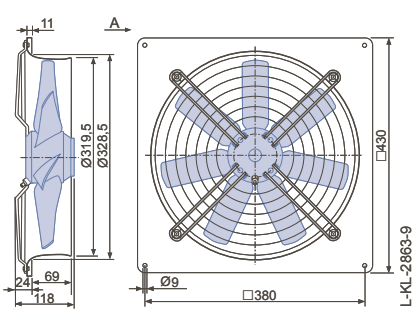
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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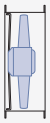
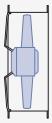
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC031-2E_.3I._7	I	**230***	②	**2.40***	**560***	**2860***	89
		230	③	2.20	500	2870	81
	II	170	⑤	2.80	480	2710	88
		170	⑥	2.50	420	2760	80
	III	135	⑧	3.30	440	2360	84
		135	⑨	2.80	380	2540	78

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC031-2EF.3I.A7**	**FC031-2EF.3I.A7**	**FC031-2EQ.3I.A7**
Article no.	**160071**	**160070**	**160069**
Weight [kg]	11.90	12.20	12.10

Control technology

Frequency inverter Fcontrol 1~	Motor protection units 1~	Transformer-based controllers 1~	Electronic voltage controllers 1~
			
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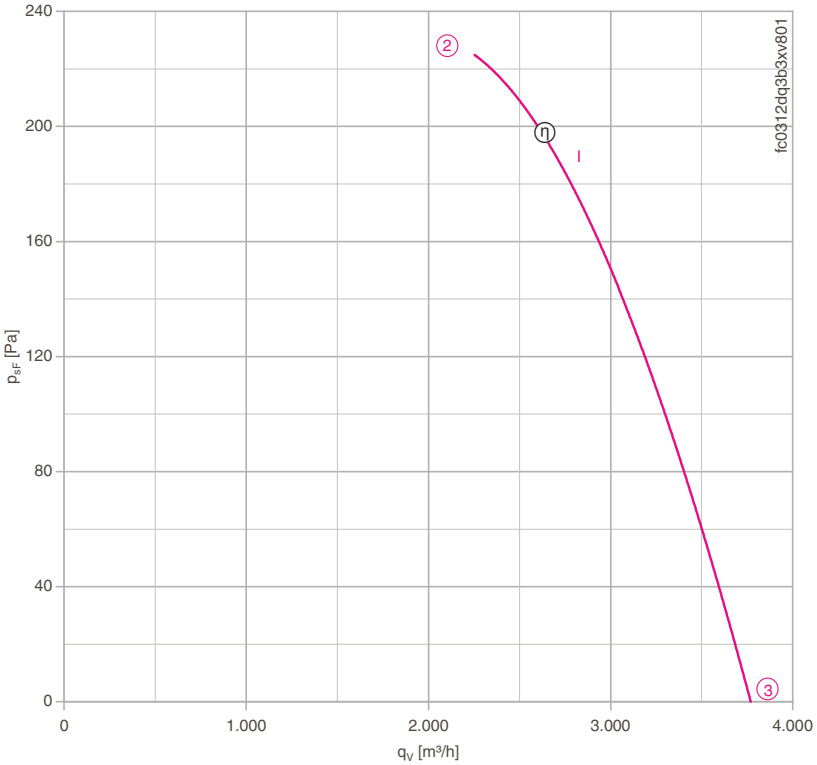
FC

for three phase alternating current, 2 pole

FC031-2D



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.
Fan not speed controllable

Description

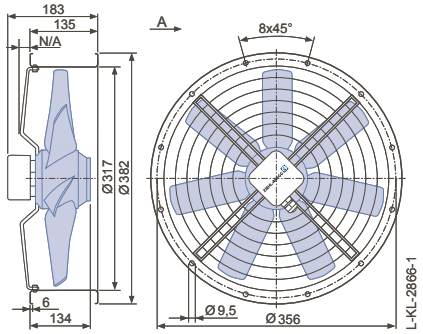
Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **0.51 kW***
Rated current I_N: **1.40/0.79 A***
Rated speed n_N: **2690 min^{-1}***
Starting current I_A: 4.40 A / 2.60 A
Current increase ΔI: - %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 55 °C
Electrical connection: Supply cable lateral-diagonal 65 cm
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 31.8 %
Efficiency: N_{actual} = 40.1 / N_{target} = 40**
* Rated data
**ErP 2015

Connection diagram 1360-106XB Page 608
System components Page 524

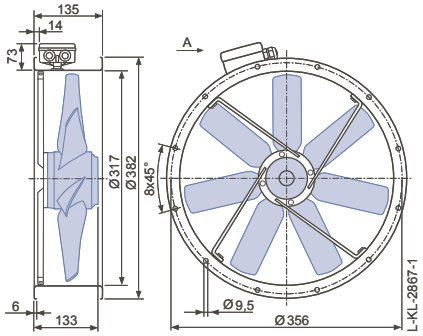
Dimensions [mm]

Airflow direction A

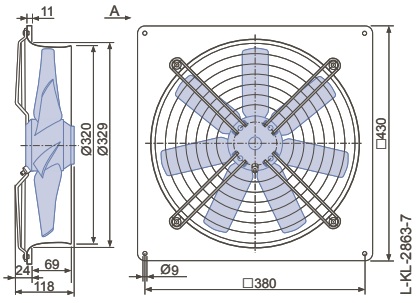
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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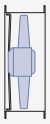
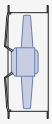
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC031-2D_.3B.A7	I	**400***	②	**0.79***	**510***	**2690***	84
		400	③	0.68	430	2760	80

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC031-2DF.3B.A7**	**FC031-2DF.3B.A7**	**FC031-2DQ.3B.A7**
Article no.	**132420**	**132975**	**129782**
Weight [kg]	8.50	8.50	8.30
Electrical connection	Terminal box	Terminal box	Supply cable lateral diagonal

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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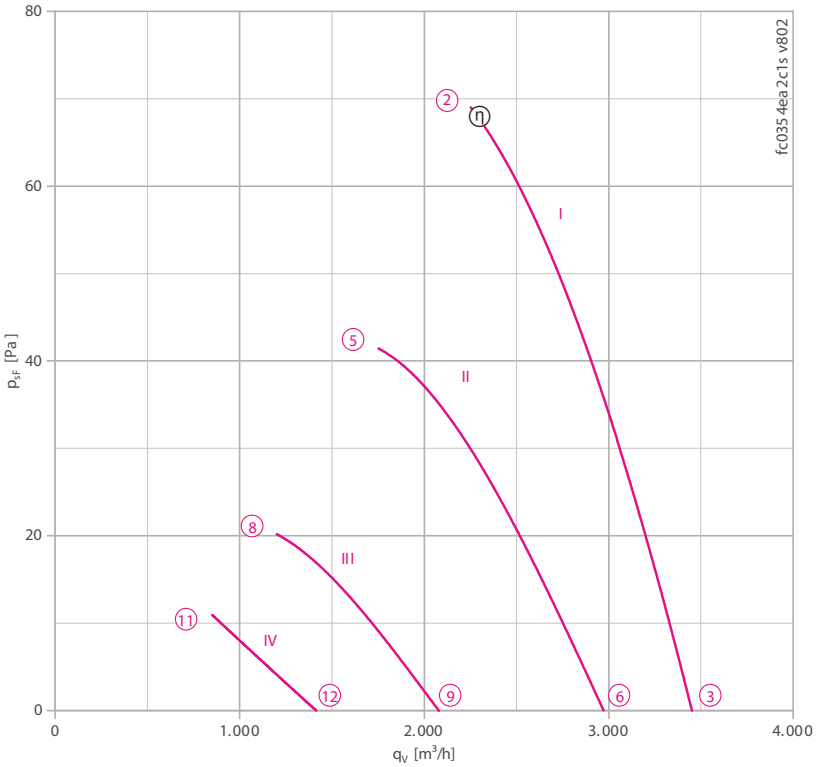
FC

for single phase alternating current, 4 pole

FC035-4E



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

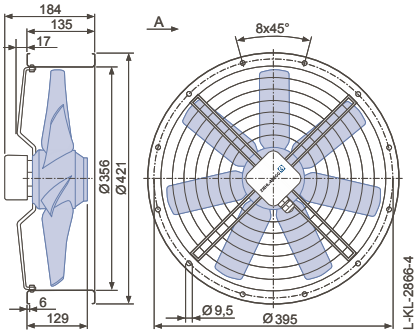
Motor technology: AC
Rated voltage U_N: **1~ 230 V±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.19 kW***
Rated current I_N: **0.84 A***
Rated speed n_N: **1330 min^{-1}***
Starting current I_A: 1.50 A
Current increase ΔI: 0 %
Service capacitor C_{400V}: 4.0 µF
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -25 °C
Max. permitted conveyor temperature $t_{R(max)}$: 80 °C
Electrical connection: Supply cable lateral-diagonal 65 cm
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2013, CE
ErP Data
Efficiency η_{statA}: 23.9 %
Efficiency: N_{actual} = 36.6 / N_{target} = 36**
Frequency inverter required
* Rated data
**ErP 2013

Connection diagram 1360-104XB Page 608
System components Page 524

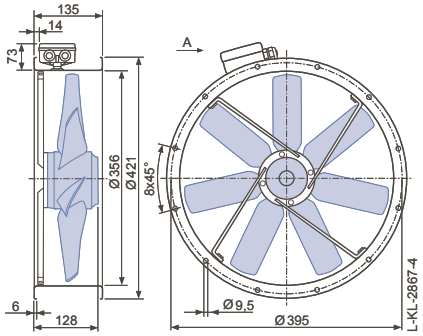
Dimensions [mm]

Airflow direction A

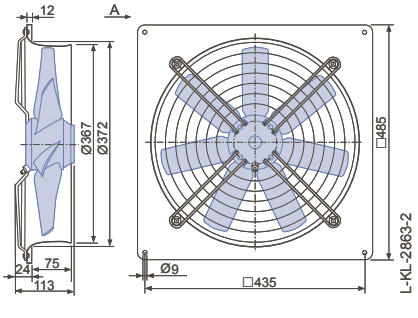
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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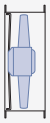
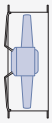
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC035-4E_.2C.A7	I	**230***	②	**0.84***	**185***	**1330***	73
		230	③	0.81	170	1360	75
	II	160	⑤	0.81	130	1050	67
		160	⑥	0.73	120	1180	72
	III	130	⑧	0.71	89	780	59
		130	⑨	0.71	88	820	63
	IV	105	⑪	0.59	57	560	51
		105	⑫	0.59	57	580	54

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC035-4EF.2C.A7**	**FC035-4EF.2C.A7**	**FC035-4EQ.2C.A7**
Article no.	**132996**	**132994**	**125092**
Weight [kg]	9.10	7.20	7.30
Electrical connection	Terminal box	Terminal box	Supply cable lateral diagonal

Control technology

Frequency inverter Fcontrol 1~	Motor protection units 1~	Transformer-based controllers 1~	Electronic voltage controllers 1~
			
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FC

for three phase alternating current, 2 pole

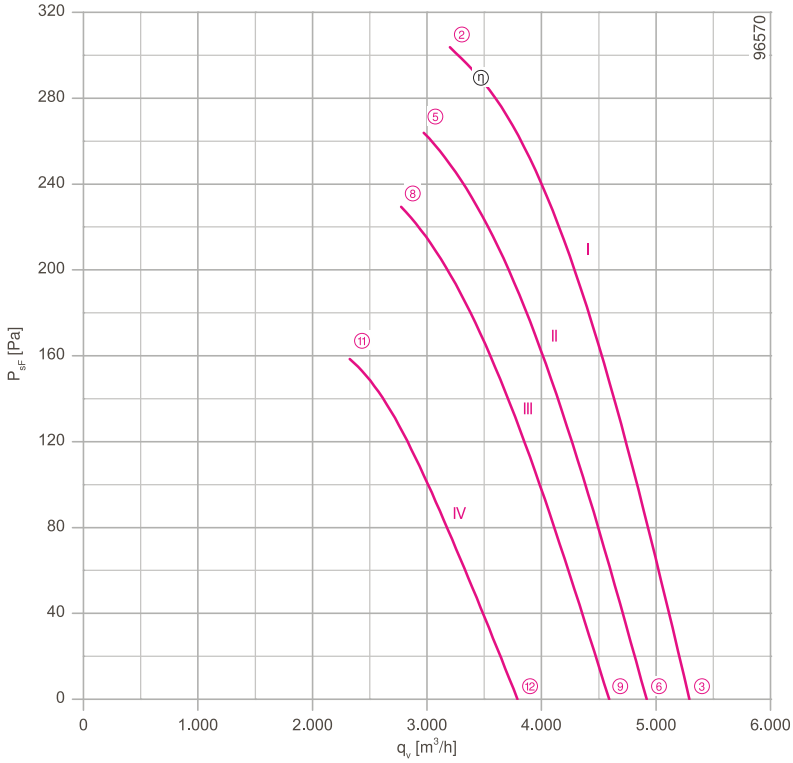
FC035-2D



Description

Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.98 kW***
Rated current I_N: **3.30/1.90 A***
Rated speed n_N: **2900 min^{-1}***
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 8
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2013, CE
ErP Data
Efficiency η_{statA}: 29.8 %
Efficiency: N_{actual} = 36.2 / N_{target} = 36**
* Rated data
**ErP 2013

Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801

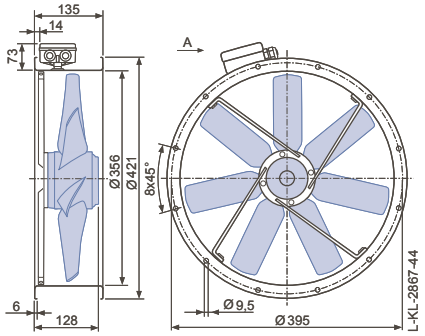
Connection diagram 1360-106XA Page 608

System components Page 524

Dimensions [mm]

Airflow direction V

Design F - flange ring with two flanges
without guard grille



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Performance data

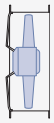
Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC035-2D_.6K._8	I	**400***	②	**1.90***	**980***	**2900***	94
		400	③	1.90	1000	2910	86
	II	230	⑤	2.40	880	2710	92
		230	⑥	2.50	900	2700	85
	III	190	⑧	2.80	820	2530	90
		190	⑨	2.80	840	2520	83
	IV	145	⑪	3.10	660	2110	85
		145	⑫	3.10	660	2080	78

*rated data

Fan ordering information

Airflow direction V

Design	F (without contact protection)



Type	**FC035-2DF.6K.V8**
Article no.	**160073**
Weight [kg]	14.80

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
Page 558	Page 596	Page 591	Page 578

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Вентиляторы.ру

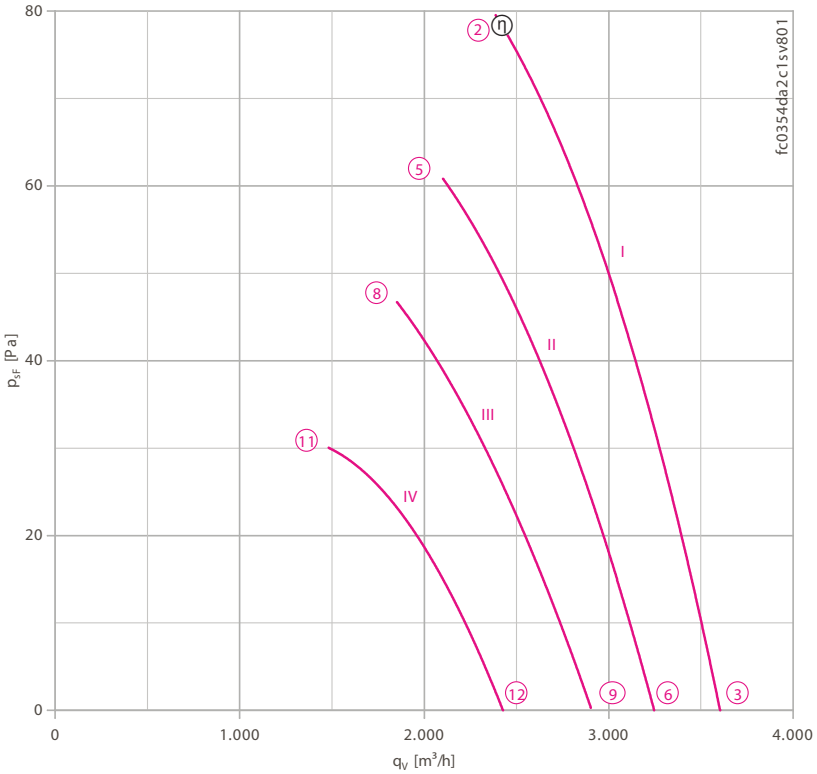
FC

for three phase alternating current, 4 pole

FC035-4D



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.17 kW***
Rated current I_N: **0.64/0.37 A***
Rated speed n_N: **1370 min^{-1}***
Starting current I_A: 2.20 A / 1.30 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Supply cable lateral-diagonal 65 cm
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 30.8 %
Efficiency: N_{actual} = 41.9 / N_{target} = 40**
* Rated data
**ErP 2015

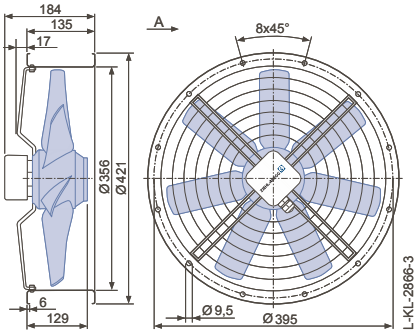
Connection diagram 1360-106XB Page 608

System components Page 524

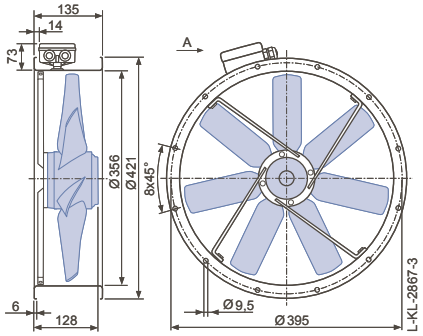
Dimensions [mm]

Airflow direction A

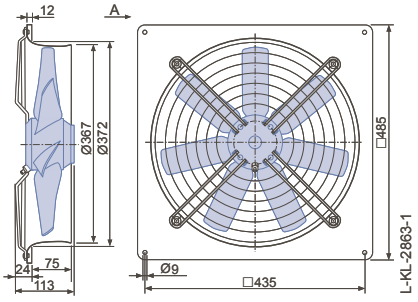
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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Вентиляторы.ру

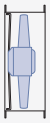
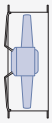
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC035-4D_.2C.A7	I	**400***	②	**0.39***	**175***	**1390***	74
		400	③	0.38	155	1410	76
	II	230	⑤	0.34	130	1220	71
		230	⑥	0.31	115	1260	73
	III	180	⑧	0.35	110	1070	67
		180	⑨	0.33	100	1130	71
	IV	140	⑪	0.35	83	890	63
		140	⑫	0.32	79	940	66

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC035-4DF.2C.A7**	**FC035-4DF.2C.A7**	**FC035-4DQ.2C.A7**
Article no.	**132992**	**132990**	**125090**
Weight [kg]	7.50	7.20	7.30
Electrical connection	Terminal box	Terminal box	Supply cable lateral diagonal

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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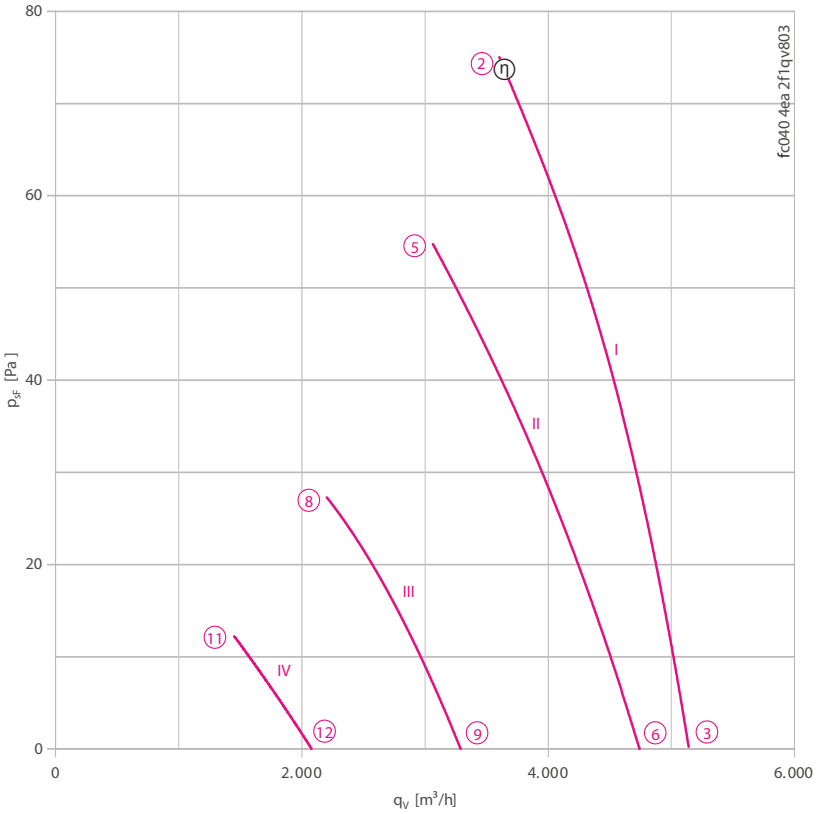
FC

for single phase alternating current, 4 pole

FC040-4E



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

Motor technology: AC
Rated voltage U_N: **1~ 230 V±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **0.29 kW***
Rated current I_N: **1.45 A***
Rated speed n_N: **1350 min^{-1}***
Starting current I_A: 2.60 A
Current increase ΔI: 15 %
Service capacitor C_{400V}: 5.0 µF
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -25 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Supply cable lateral-diagonal 65 cm
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2013, CE
ErP Data
Efficiency η_{statA}: 25.1 %
Efficiency: N_{actual} = 36.5 / N_{target} = 36**
Frequency inverter required
* Rated data
**ErP 2013

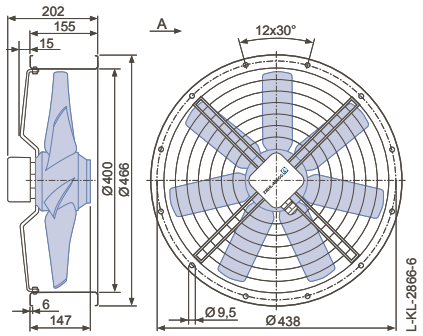
Connection diagram 1360-104XB Page 608

System components Page 524

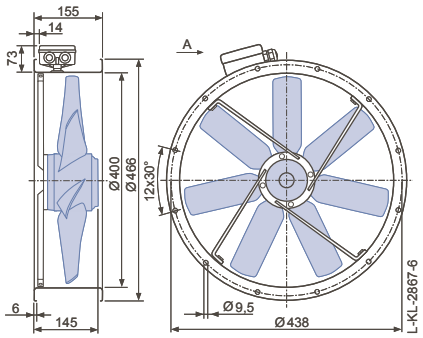
Dimensions [mm]

Airflow direction A

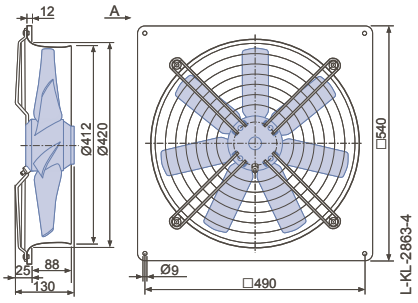
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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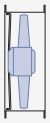
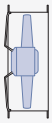
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC040-4E_.2F.A7	I	**230***	②	**1.45***	**290***	**1350***	78
		230	③	1.40	270	1360	80
	II	160	⑤	1.65	270	1160	74
		160	⑥	1.45	240	1260	79
	III	130	⑧	1.70	230	770	63
		130	⑨	1.65	220	880	68
	IV	105	⑪	1.35	145	530	52
		105	⑫	1.35	145	570	56

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC040-4EF.2F.A7**	**FC040-4EF.2F.A7**	**FC040-4EQ.2F.A7**
Article no.	**132150**	**132148**	**125150**
Weight [kg]	9.30	9.00	9.30
Electrical connection	Terminal box	Terminal box	Supply cable lateral diagonal

Control technology

Frequency inverter Fcontrol 1~	Motor protection units 1~	Transformer-based controllers 1~	Electronic voltage controllers 1~
			
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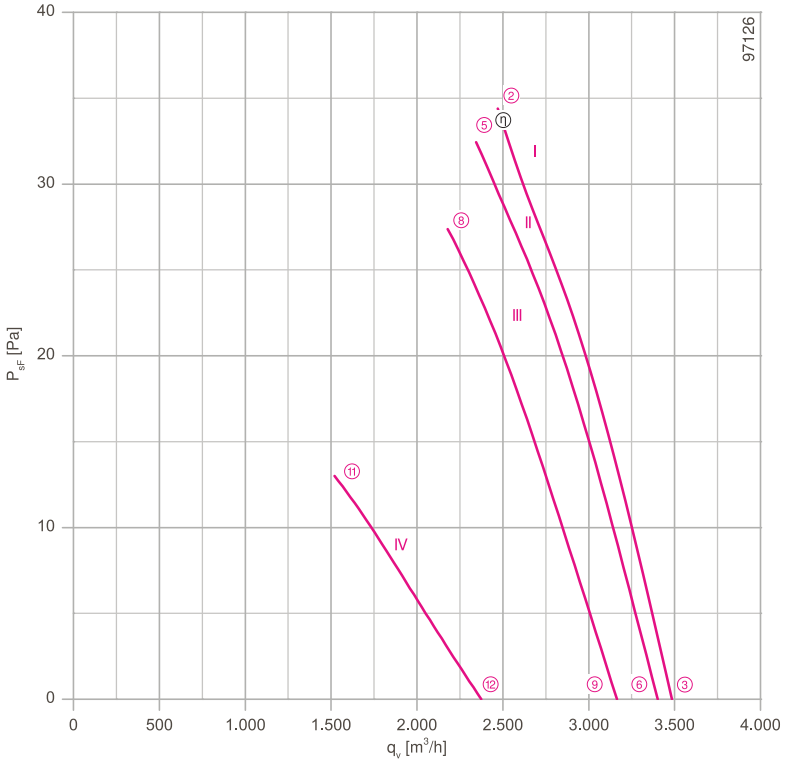
FC

for single phase alternating current, 6 pole

FC040-6E



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

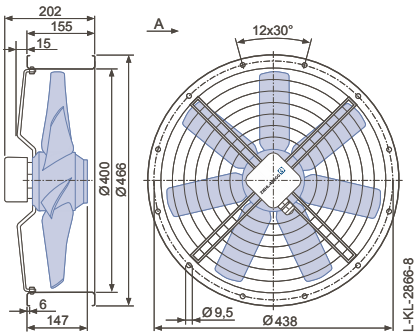
Motor technology: AC
Rated voltage U_N: **1~ 230 V±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.10 kW***
Rated current I_N: **0.48 A***
Rated speed n_N: **920 min^{-1}***
Current increase ΔI: 0 %
Service capacitor C_{400V}: 2.5 µF
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -25 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: CE
ErP Data
Is not subject to the ErP Guidelines (P_1< 125 W)
* Rated data

Connection diagram 1360-104XB Page 608
System components Page 524

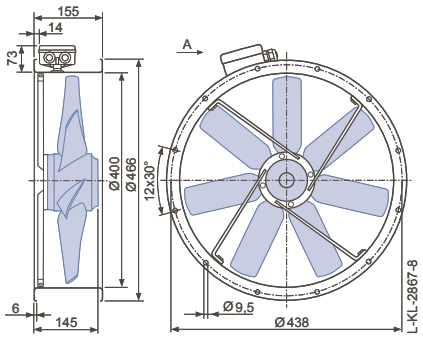
Dimensions [mm]

Airflow direction A

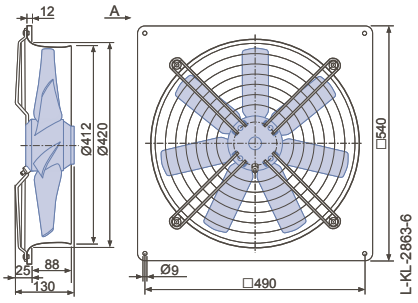
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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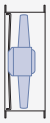
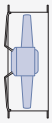
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC040-6E_.2F._7	I	**230***	②	**0.48***	**100***	**920***	65
		230	③	0.46	100	930	64
	II	200	⑤	0.48	90	890	64
		200	⑥	0.46	85	900	64
	III	170	⑧	0.50	80	820	62
		170	⑨	0.46	75	840	62
	IV	135	⑪	0.52	60	570	53
		135	⑫	0.50	60	630	56

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC040-6EF.2F.A7**	**FC040-6EF.2F.A7**	**FC040-6EQ.2F.A7**
Article no.	**160082**	**160081**	**160080**
Weight [kg]	9.50	9.00	9.30

Control technology

Frequency inverter Fcontrol 1~	Motor protection units 1~	Transformer-based controllers 1~	Electronic voltage controllers 1~
			
Page 552	Page 596	Page 587	Page 562

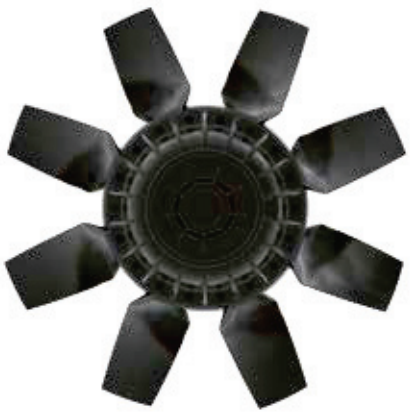
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FC

for three phase alternating current, 2 pole

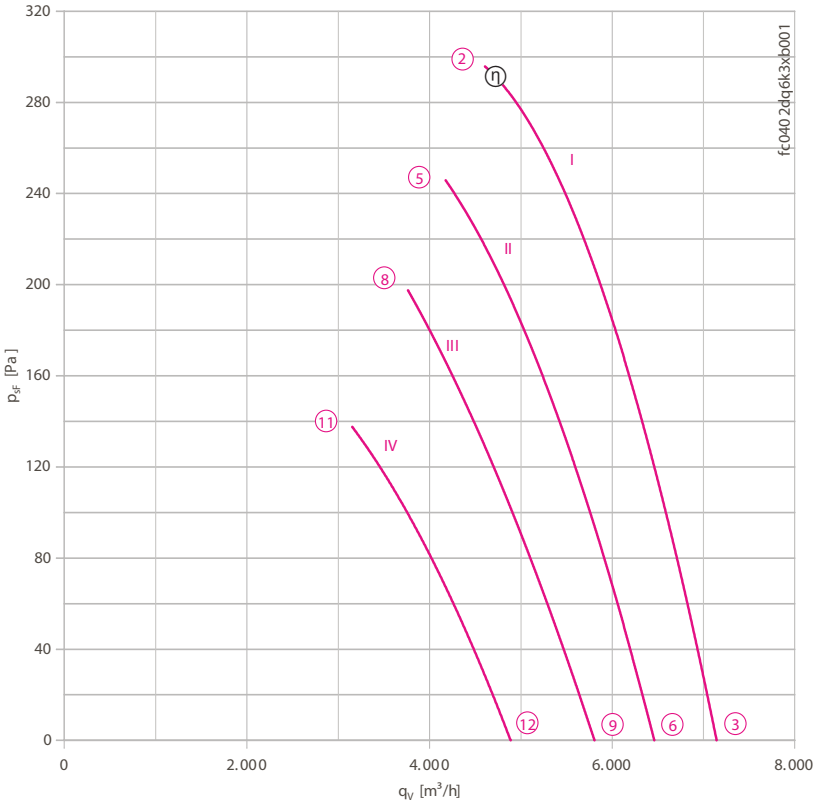
FC040-2D



Description

Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **1.40 kW***
Rated current I_N: **4.70/2.70 A***
Rated speed n_N: **2850 min^{-1}***
Starting current I_A: 32.00 A / 19.00 A
Current increase ΔI: 20 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 8
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2013, CE
ErP Data
Efficiency η_{statA}: 31.7 %
Efficiency: N_{actual} = 37.5 / N_{target} = 36**
* Rated data
**ErP 2013

Characteristic curve



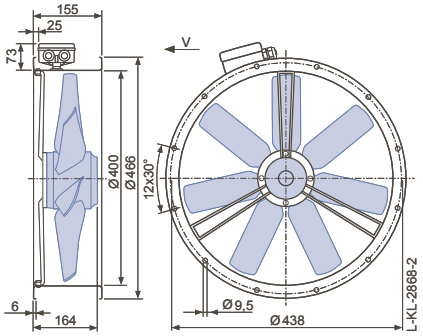
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Connection diagram 1360-106XA Page 608
System components Page 524

Dimensions [mm]

Airflow direction V

Design F - flange ring with two flanges
without guard grille



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Performance data

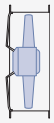
Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC040-2D_.6K.V8	I	**400***	②	**2.70***	**1400***	**2850***	98
		400	③	2.50	1300	2860	93
	II	230	⑤	2.90	1050	2550	95
		230	⑥	2.80	1000	2580	91
	III	180	⑧	3.20	860	2270	92
		180	⑨	3.00	840	2300	88
	IV	140	⑪	3.20	650	1930	88
		140	⑫	3.10	640	1960	84

*rated data

Fan ordering information

Airflow direction V

Design F (without guard grille)



Type **FC040-2DF.6K.V8**

Article no. **124948H**

Weight [kg] 21.70

Control technology

Frequency inverter Fcontrol 3~



Page 558

Motor protection units 3~



Page 596

Transformer-based controllers 3~



Page 591

Electronic voltage controllers 3~



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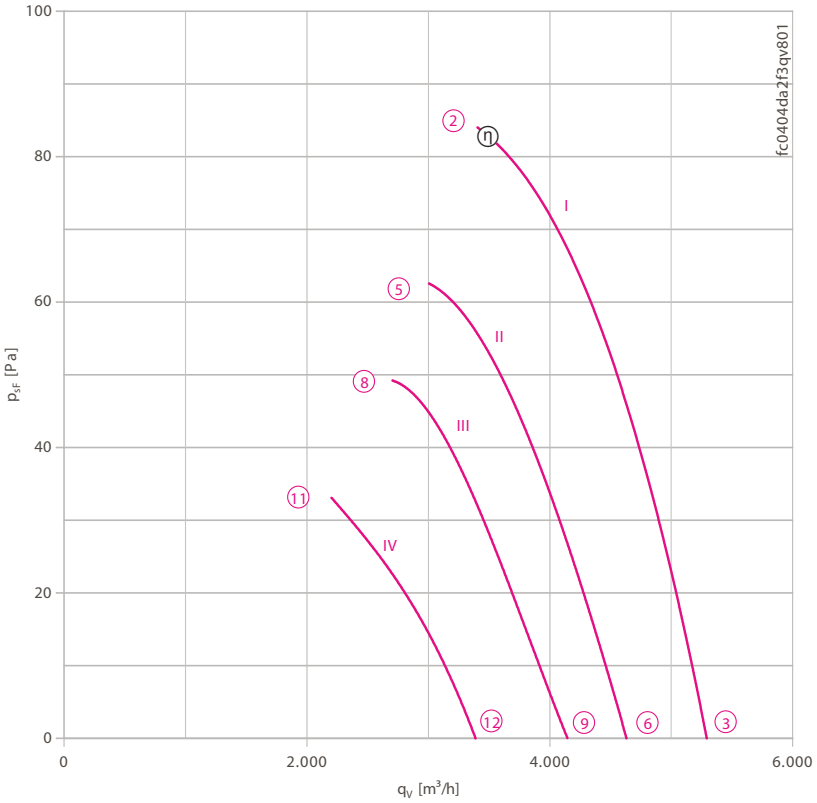
FC

for three phase alternating current, 4 pole

FC040-4D



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

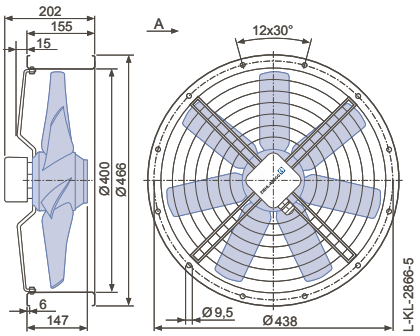
Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.26 kW***
Rated current I_N: **0.97/0.56 A***
Rated speed n_N: **1350 min^{-1}***
Starting current I_A: 3.60 A / 2.00 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Supply cable lateral-diagonal 65 cm
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 31.7 %
Efficiency: N_{actual} = 41.7 / N_{target} = 40**
* Rated data
**ErP 2015

Connection diagram 1360-106XB Page 608
System components Page 524

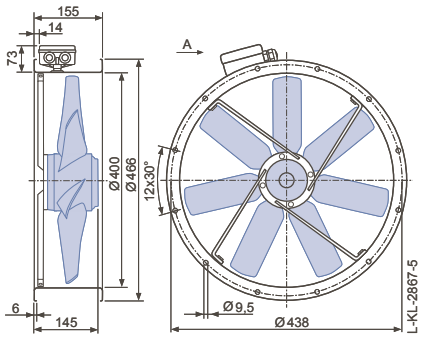
Dimensions [mm]

Airflow direction A

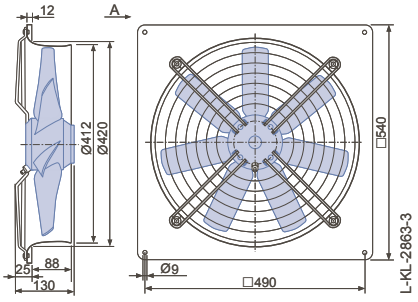
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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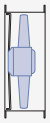
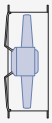
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC040-4D_.2F.A7	I	**400***	②	**0.60***	**280***	**1380***	79
		400	③	0.58	260	1390	81
	II	230	⑤	0.55	210	1200	75
		230	⑥	0.51	195	1240	78
	III	180	⑧	0.56	170	1050	71
		180	⑨	0.53	165	1100	75
	IV	140	⑪	0.54	130	870	66
		140	⑫	0.52	125	910	69

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC040-4DF.2F.A7**	**FC040-4DF.2F.A7**	**FC040-4DQ.2F.A7**
Article no.	**132146**	**132144**	**125094**
Weight [kg]	9.30	9.00	9.30
Electrical connection	Terminal box	Terminal box	Supply cable lateral diagonal

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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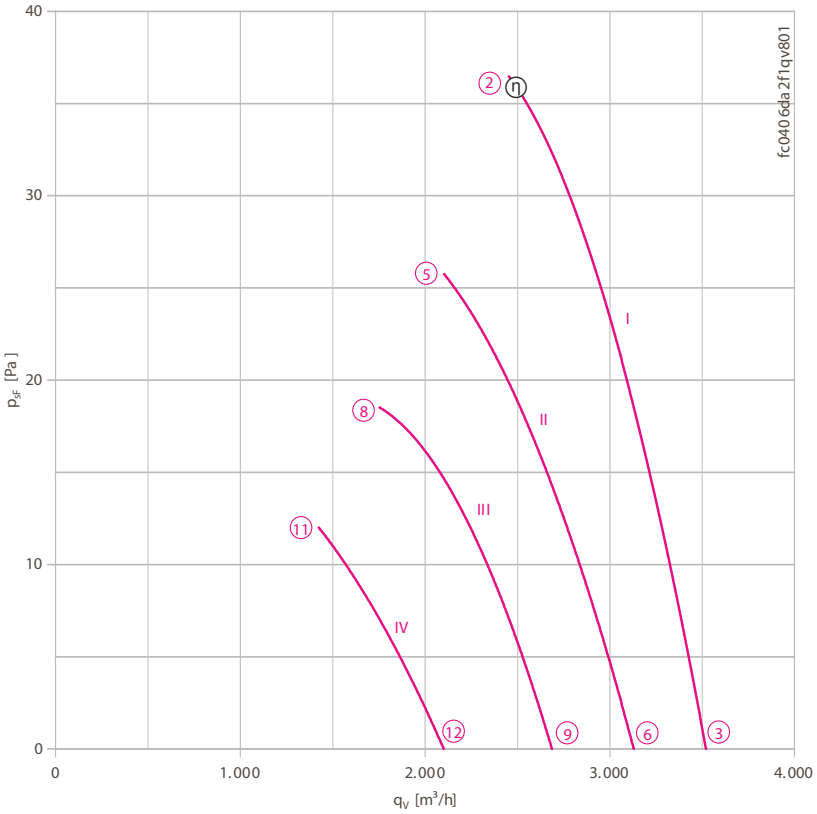
FC

for three phase alternating current, 6 pole

FC040-6D



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

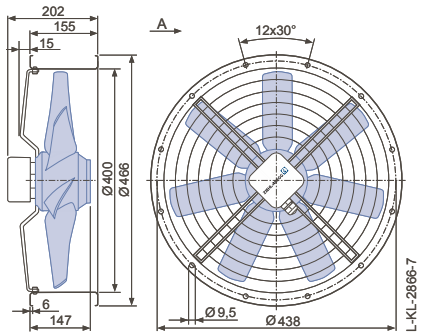
Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.11 kW***
Rated current I_N: **0.49/0.28 A***
Rated speed n_N: **920 min^{-1}***
Starting current I_A: 1.60 A / 0.90 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Supply cable lateral-diagonal 65 cm
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: CE
ErP Data
Is not subject to the ErP Guidelines (P_1< 125 W)
* Rated data

Connection diagram 1360-106XB Page 608
System components Page 524

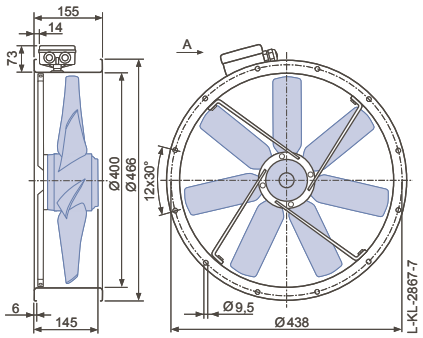
Dimensions [mm]

Airflow direction A

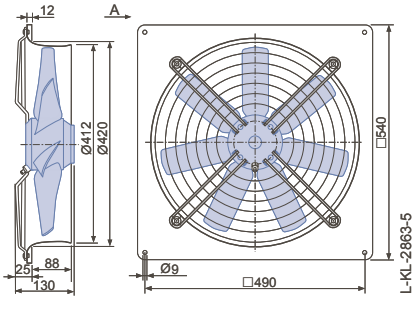
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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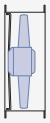
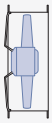
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC040-6D_.2F.A7	I	**400***	②	**0.28***	**110***	**920***	68
		400	③	0.27	97	940	70
	II	230	⑤	0.24	73	810	64
		230	⑥	0.23	69	830	67
	III	180	⑧	0.23	57	680	59
		180	⑨	0.23	56	710	62
	IV	140	⑪	0.21	41	540	53
		140	⑫	0.21	40	570	56

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC040-6DF.2F.A7**	**FC040-6DF.2F.A7**	**FC040-6DQ.2F.A7**
Article no.	**132215**	**132213**	**125146**
Weight [kg]	9.30	9.00	9.30

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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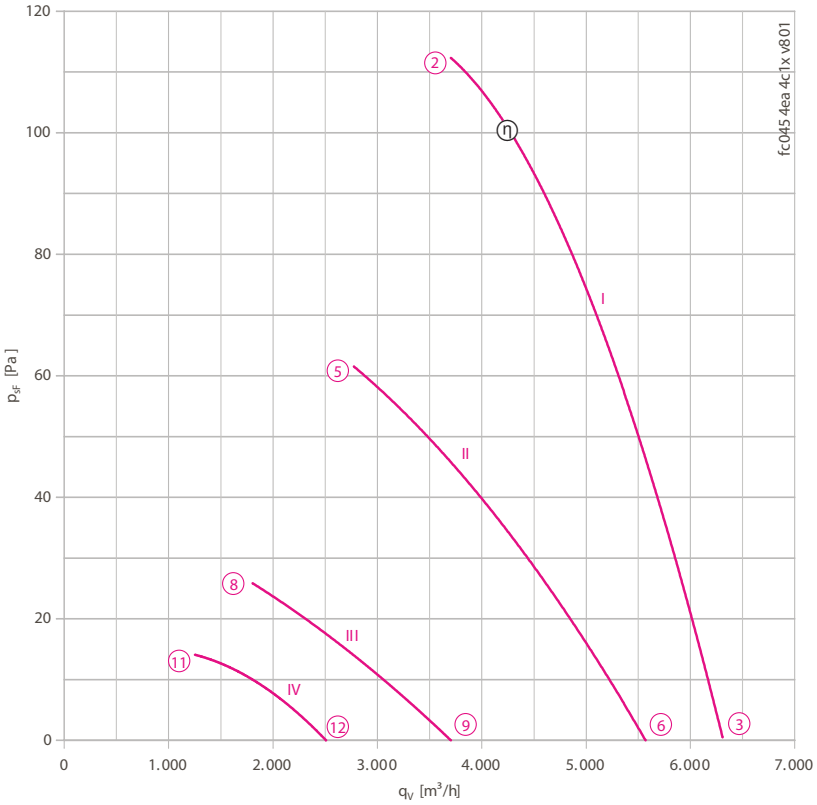
FC

for single phase alternating current, 4 pole

FC045-4E



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

Motor technology: AC
Rated voltage U_N: **1~ 230 V±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **0.36 kW***
Rated current I_N: **1.60 A***
Rated speed n_N: **1370 min^{-1}***
Starting current I_A: 3.40 A
Current increase ΔI: 30 %
Service capacitor C_{400V}: 6.0 µF
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -25 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 32.3 %
Efficiency: N_{actual} = 41.5 / N_{target} = 40**
* Rated data
**ErP 2015

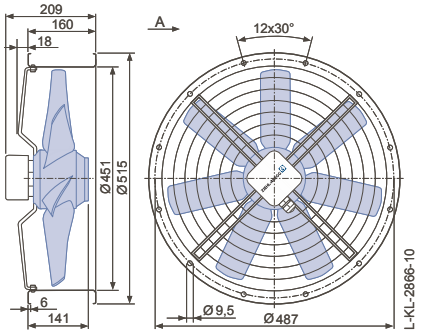
Connection diagram 1360-104XB Page 608

System components Page 524

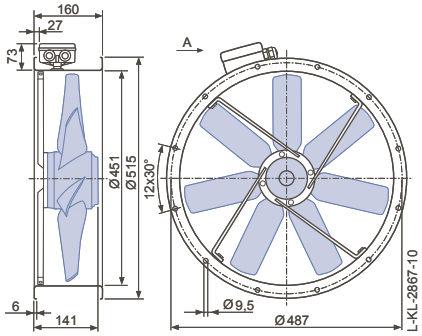
Dimensions [mm]

Airflow direction A

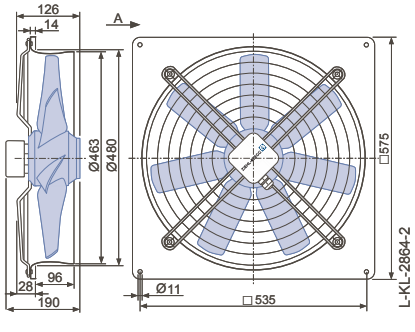
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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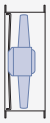
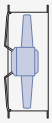
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC045-4E_.4C.A7	I	**230***	②	**1.60***	**360***	**1370***	78
		230	③	1.40	320	1390	78
	II	160	⑤	1.95	300	1060	72
		160	⑥	1.65	270	1220	75
	III	130	⑧	1.75	210	700	63
		130	⑨	1.70	200	820	66
	IV	105	⑪	1.50	135	530	56
		105	⑫	1.45	135	570	58

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC045-4EF.4C.A7**	**FC045-4EF.4C.A7**	**FC045-4EQ.4C.A7**
Article no.	**132227**	**132225**	**125166**
Weight [kg]	11.40	10.90	11.10

Control technology

Frequency inverter Fcontrol 1~	Motor protection units 1~	Transformer-based controllers 1~	Electronic voltage controllers 1~
			
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FC

for single phase alternating current, 6 pole

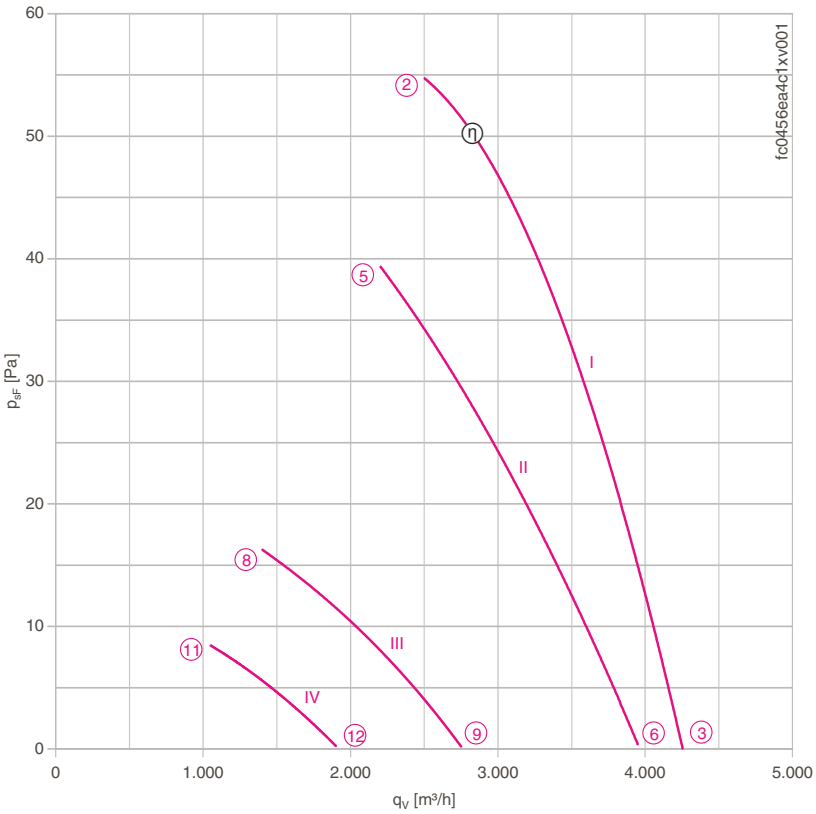
FC045-6E



Description

Motor technology: AC
Rated voltage U_N: **1~ 230 V±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.17 kW***
Rated current I_N: **0.77 A***
Rated speed n_N: **915 min^{-1}***
Starting current I_A: 1.30 A
Current increase ΔI: 0 %
Service capacitor C_{400V}: 4.0 µF
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -25 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2013, CE
ErP Data
Efficiency η_{statA}: 25.8 %
Efficiency: N_{actual} = 37.4 / N_{target} = 36**
* Rated data
**ErP 2013

Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

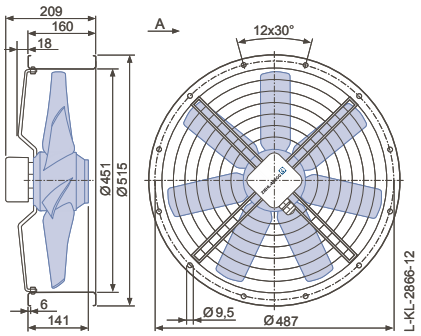
Connection diagram 1360-104XB Page 608

System components Page 524

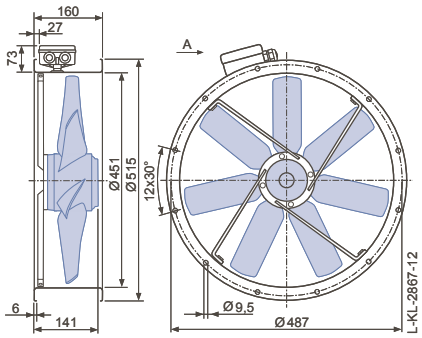
Dimensions [mm]

Airflow direction A

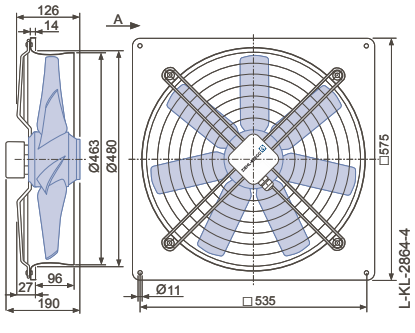
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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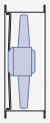
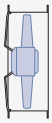
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC045-6E_.4C.A7	I	**230***	②	**0.75***	**170***	**930***	69
		230	③	0.69	150	940	69
	II	160	⑤	0.74	115	780	65
		160	⑥	0.58	105	870	67
	III	130	⑧	0.66	78	550	57
		130	⑨	0.65	78	640	61
	IV	105	⑪	0.55	50	380	
		105	⑫	0.55	50	440	

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC045-6EF.4C.A7**	**FC045-6EF.4C.A7**	**FC045-6EQ.4C.A7**
Article no.	**132234**	**132232**	**125170**
Weight [kg]	11.40	10.90	11.10

Control technology

Frequency inverter Fcontrol 1~	Motor protection units 1~	Transformer-based controllers 1~	Electronic voltage controllers 1~
			
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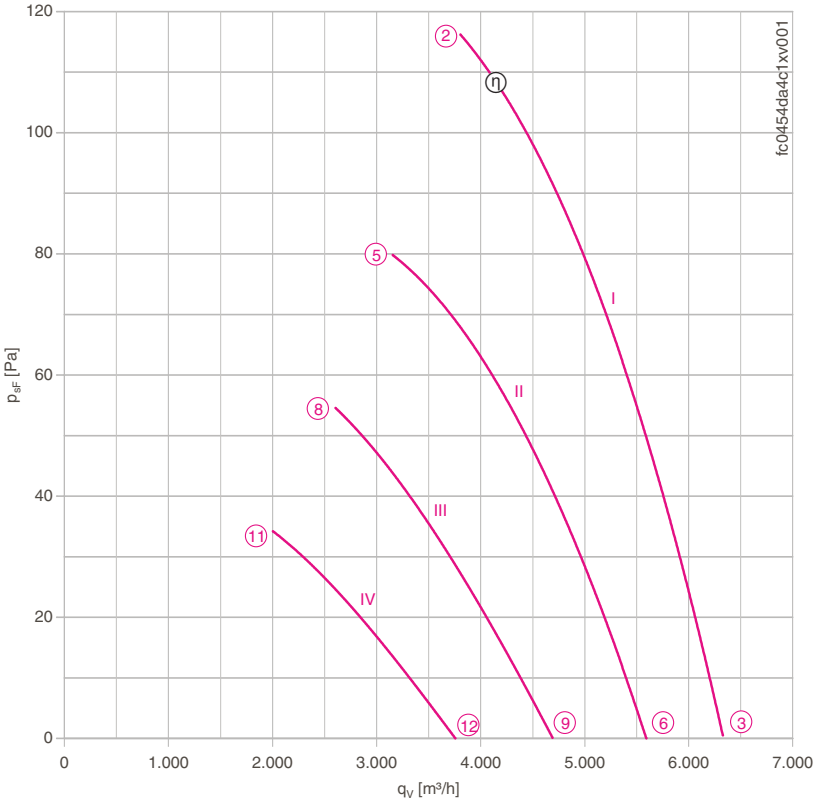
FC

for three phase alternating current, 4 pole

FC045-4D



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

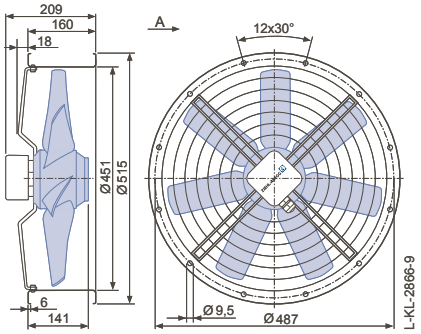
Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.36 kW***
Rated current I_N: **1.40/0.80 A***
Rated speed n_N: **1380 min^{-1}***
Starting current I_A: 4.60 A / 2.60 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 36.8 %
Efficiency: N_{actual} = 46.0 / N_{target} = 40**
* Rated data
**ErP 2015

Connection diagram 1360-106XB Page 608
System components Page 524

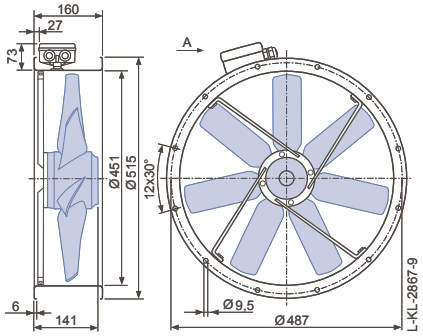
Dimensions [mm]

Airflow direction A

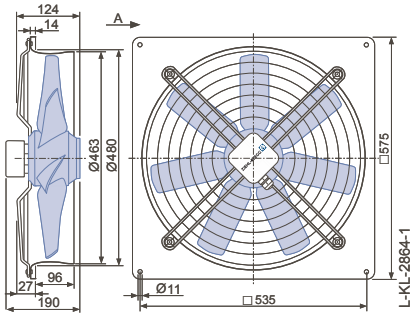
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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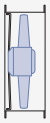
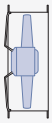
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC045-4D_.4C.A7	I	**400***	②	**0.75***	**360***	**1390***	78
		400	③	0.74	310	1410	78
	II	230	⑤	0.75	270	1150	74
		230	⑥	0.66	240	1230	75
	III	180	⑧	0.74	210	950	69
		180	⑨	0.68	195	1050	72
	IV	140	⑪	0.66	140	750	64
		140	⑫	0.63	135	830	66

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC045-4DF.4C.A7**	**FC045-4DF.4C.A7**	**FC045-4DQ.4C.A7**
Article no.	**132223**	**132221**	**125158**
Weight [kg]	11.40	10.90	11.10

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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FC

for three phase alternating current, 6 pole

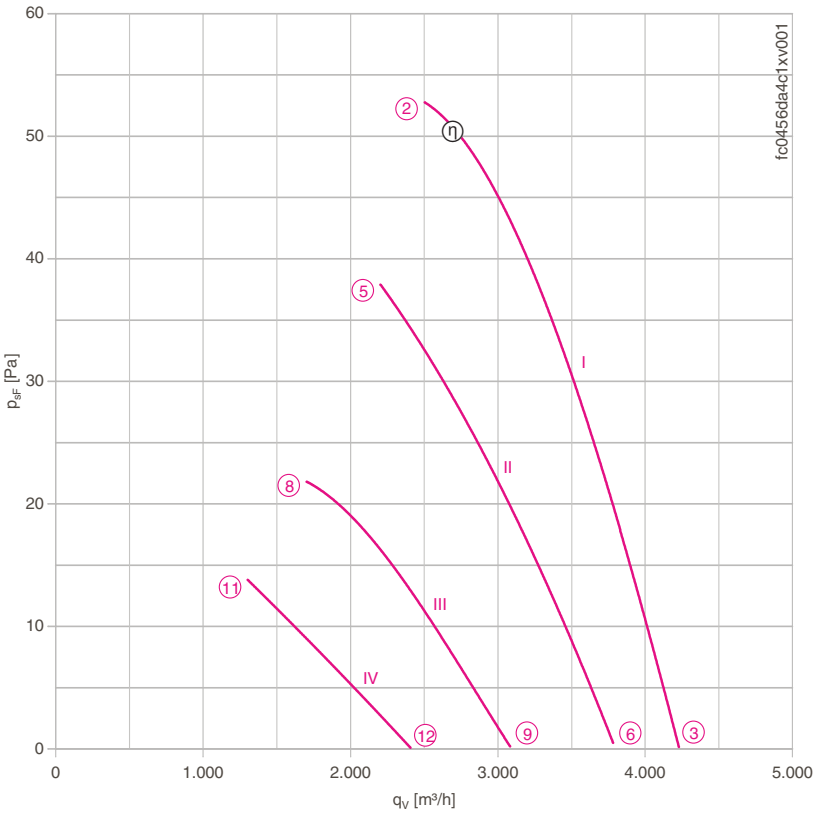
FC045-6D



Description

Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.12 kW***
Rated current I_N: **0.48/0.28 A***
Rated speed n_N: **890 min^{-1}***
Starting current I_A: 1.30 A / 0.75 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: CE
ErP Data
Is not subject to the ErP Guidelines (P_1< 125 W)
* Rated data

Characteristic curve



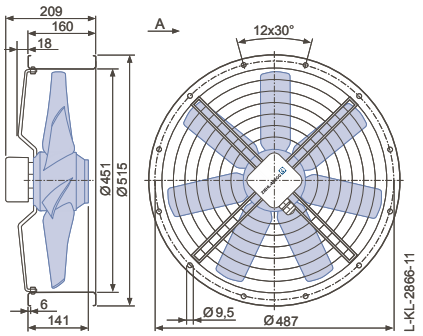
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Connection diagram 1360-106XB Page 608
System components Page 524

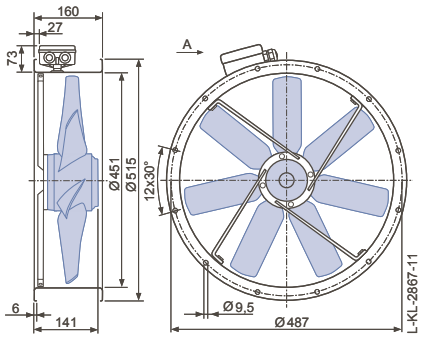
Dimensions [mm]

Airflow direction A

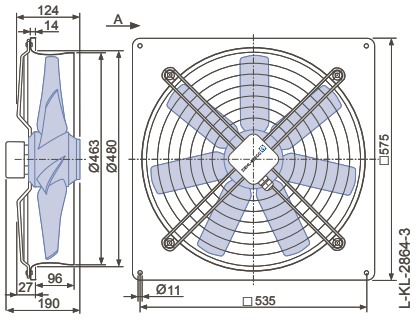
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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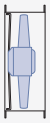
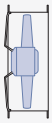
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC045-6D_.4C.A7	I	**400***	②	**0.35***	**125***	**940***	69
		400	③	0.34	110	950	69
	II	230	⑤	0.32	92	790	65
		230	⑥	0.29	81	840	67
	III	180	⑧	0.31	68	620	60
		180	⑨	0.29	64	700	63
	IV	140	⑪	0.27	44	470	54
		140	⑫	0.26	43	540	57

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC045-6DF.4C.A7**	**FC045-6DF.4C.A7**	**FC045-6DQ.4C.A7**
Article no.	**132231**	**132229**	**125162**
Weight [kg]	11.40	10.90	11.10

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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Вентиляторы.ру

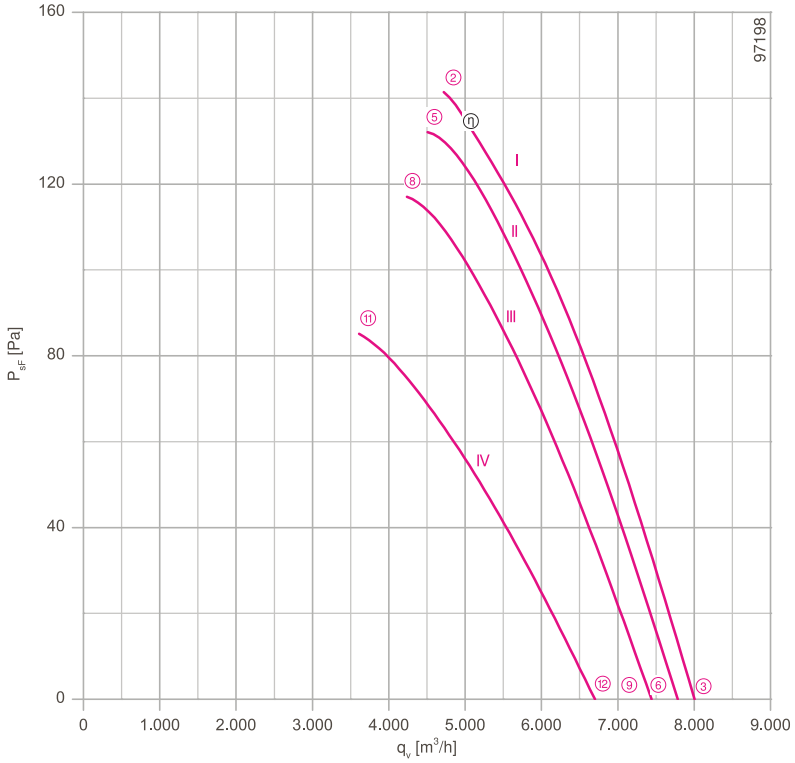
FC

for single phase alternating current, 4 pole

FC050-4E



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

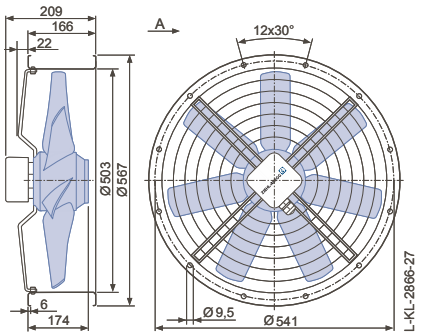
Motor technology: AC
Rated voltage U_N: **1~ 230 V±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.59 kW***
Rated current I_N: **2.60 A***
Rated speed n_N: **1340 min^{-1}***
Current increase ΔI: 10 %
Service capacitor C_{400V}: 14.0 µF
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -25 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 32.8 %
Efficiency: N_{actual} = 40.6 / N_{target} = 40**
* Rated data
**ErP 2015

Connection diagram 1360-104XB Page 608
System components Page 524

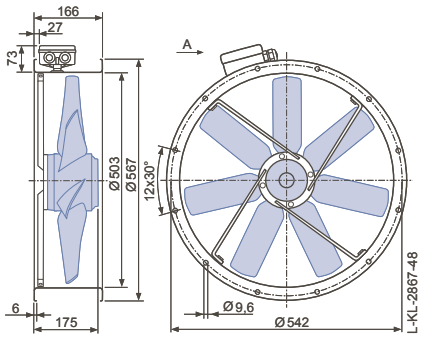
Dimensions [mm]

Airflow direction A

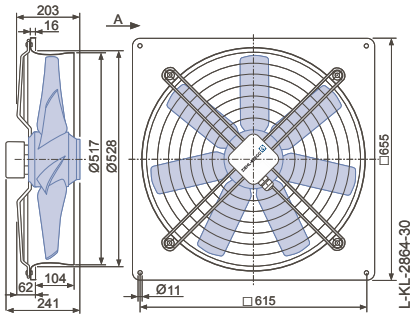
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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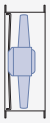
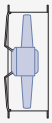
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC050-4E_.4I._7	I	**230***	②	**2.60***	**580***	**1340***	82
		230	③	2.30	500	1380	79
	II	200	⑤	2.60	520	1290	81
		200	⑥	2.20	440	1340	79
	III	170	⑧	2.70	460	1220	80
		170	⑨	2.30	390	1280	78
	IV	135	⑪	2.80	370	1040	76
		135	⑫	2.40	320	1160	75

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC050-4EF.4I.A7**	**FC050-4EF.4I.A7**	**FC050-4EQ.4I.A7**
Article no.	**160113**	**160112**	**160111**
Weight [kg]	18.40	15.20	15.90

Control technology

Frequency inverter Fcontrol 1~	Motor protection units 1~	Transformer-based controllers 1~	Electronic voltage controllers 1~
			
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FC

for single phase alternating current, 6 pole

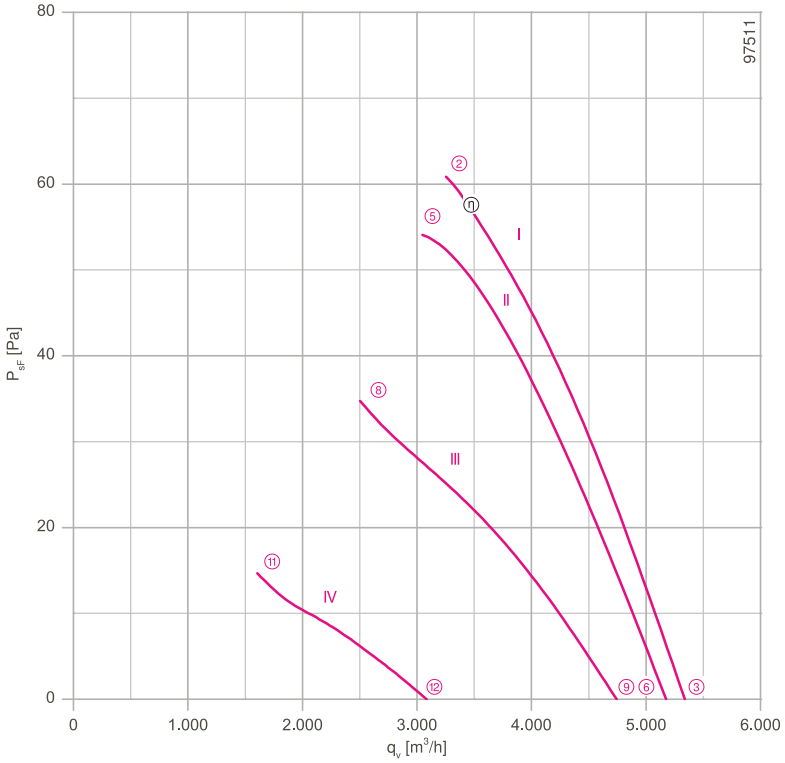
FC050-6E



Description

Motor technology: AC
Rated voltage U_N: **1~ 230 V±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.18 kW***
Rated current I_N: **0.84 A***
Rated speed n_N: **890 min^{-1}***
Starting current I_A: 1.60 A
Current increase ΔI: 0 %
Service capacitor C_{400V}: 6.0 µF
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -25 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 30.8 %
Efficiency: N_{actual} = 41.8 / N_{target} = 40**
* Rated data
**ErP 2015

Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

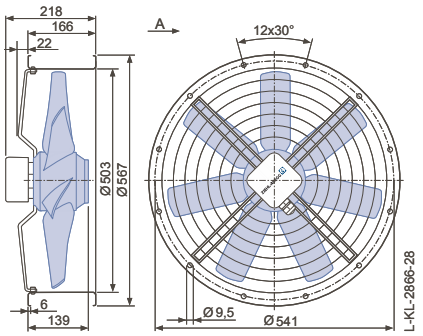
Connection diagram 1360-104XB Page 608

System components Page 524

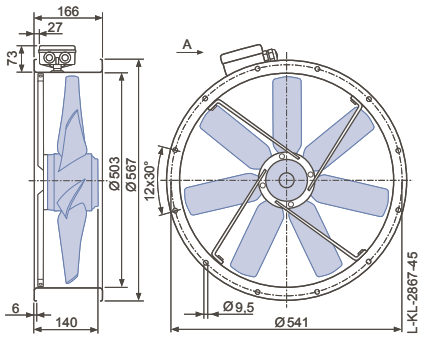
Dimensions [mm]

Airflow direction A

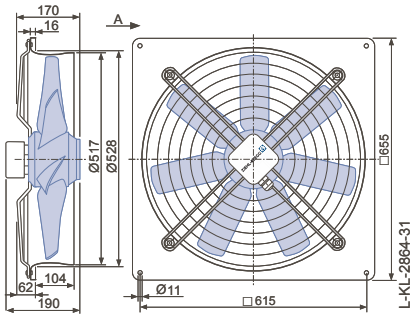
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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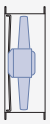
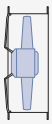
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC050-6E_.4C._7	I	**230***	②	**0.84***	**180***	**890***	71
		230	③	0.72	160	920	70
	II	200	⑤	0.84	160	840	70
		200	⑥	0.70	140	900	69
	III	170	⑧	0.88	140	690	67
		170	⑨	0.74	120	830	68
	IV	135	⑪	0.76	90	440	62
		135	⑫	0.74	85	540	63

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC050-6EF.4C.A7**	**FC050-6EF.4C.A7**	**FC050-6EQ.4C.A7**
Article no.	**160087**	**160086**	**160085**
Weight [kg]	15.30	12.00	12.80

Control technology

Frequency inverter Fcontrol 1~	Motor protection units 1~	Transformer-based controllers 1~	Electronic voltage controllers 1~
			
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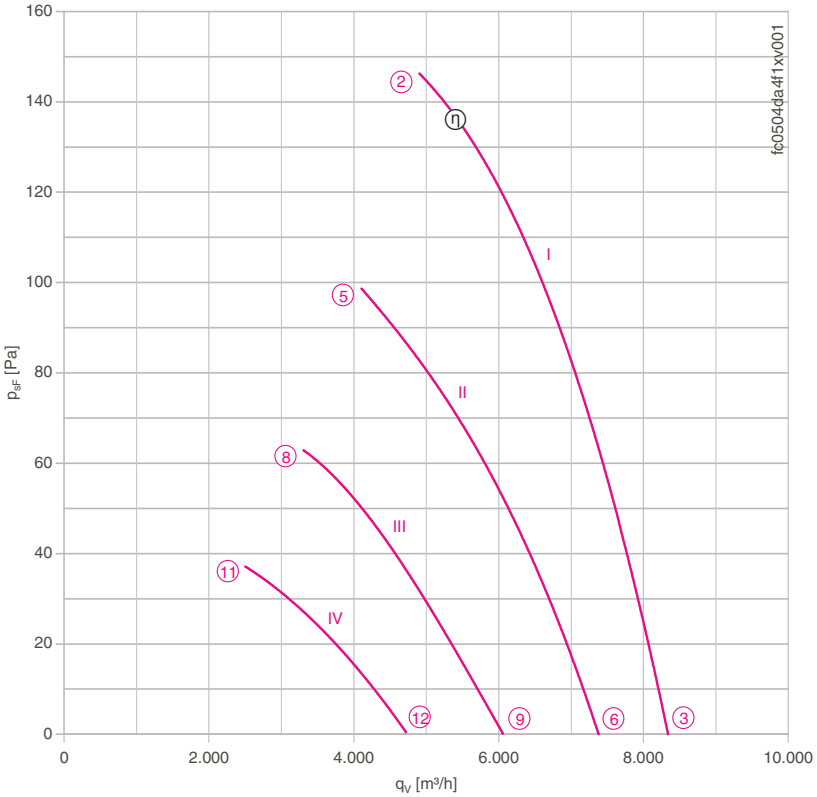
FC

for three phase alternating current, 4 pole

FC050-4D



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **0.55 kW***
Rated current I_N: **1.80/1.05 A***
Rated speed n_N: **1380 min^{-1}***
Starting current I_A: 7.00 A / 4.20 A
Current increase ΔI: 10 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 39.9 %
Efficiency: N_{actual} = 48.0 / N_{target} = 40**
* Rated data
**ErP 2015

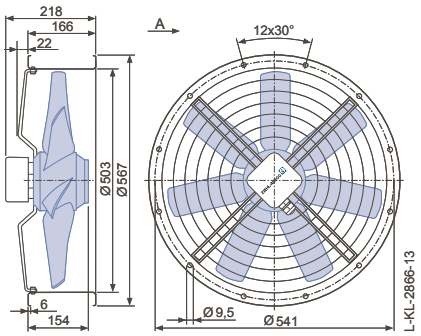
Connection diagram 1360-106XB Page 608

System components Page 524

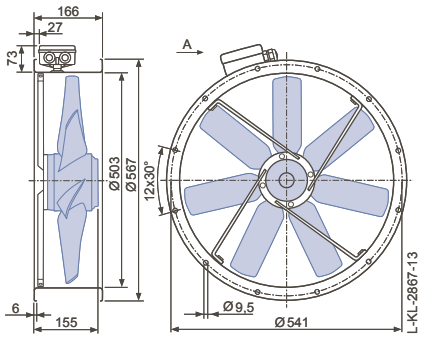
Dimensions [mm]

Airflow direction A

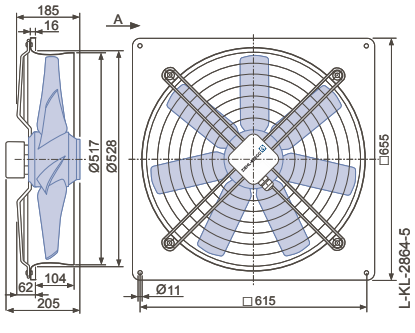
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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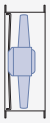
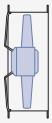
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC050-4D_.4F.A7	I	**400***	②	**1.05***	**550***	**1380***	81
		400	③	0.92	430	1410	84
	II	230	⑤	1.20	430	1140	77
		230	⑥	1.00	360	1240	81
	III	180	⑧	1.20	320	910	72
		180	⑨	1.05	290	1040	77
	IV	140	⑪	1.00	200	710	67
		140	⑫	0.97	220	820	72

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC050-4DF.4F.A7**	**FC050-4DF.4F.A7**	**FC050-4DQ.4F.A7**
Article no.	**132285**	**132283**	**130753**
Weight [kg]	14.10	13.40	16.60

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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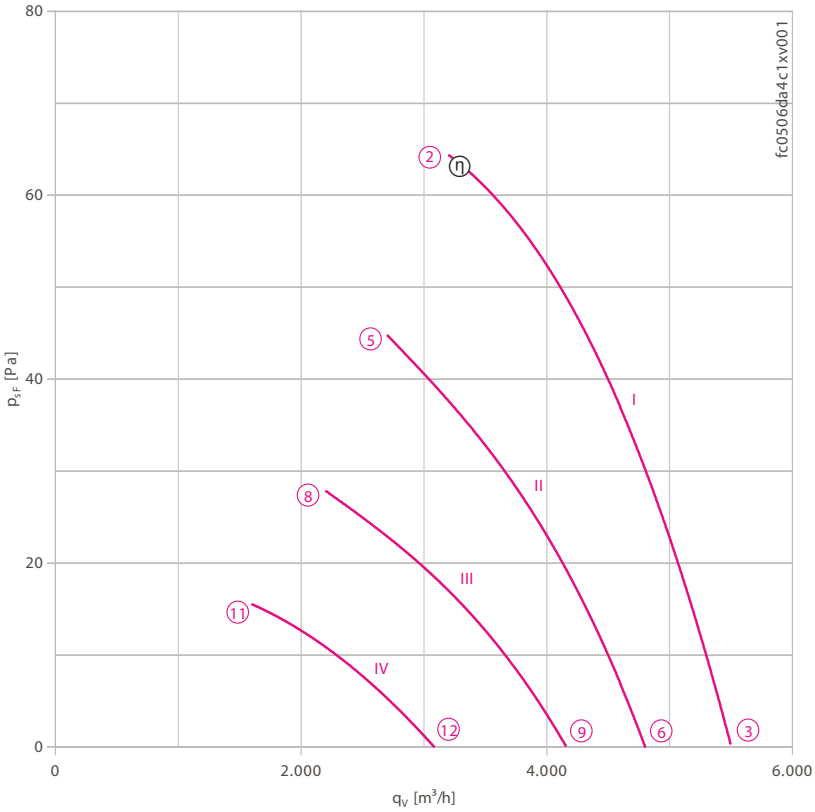
FC

for three phase alternating current, 6 pole

FC050-6D



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

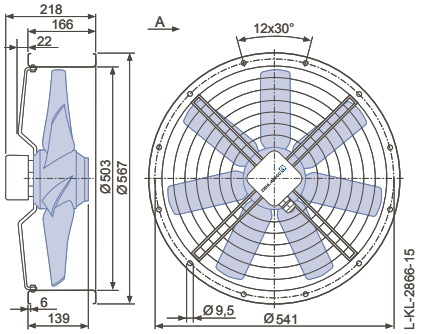
Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.20 kW***
Rated current I_N: **0.97/0.56 A***
Rated speed n_N: **920 min^{-1}***
Starting current I_A: 2.80 A / 1.60 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 31.1 %
Efficiency: N_{actual} = 41.8 / N_{target} = 40**
* Rated data
**ErP 2015

Connection diagram 1360-106XB Page 608
System components Page 524

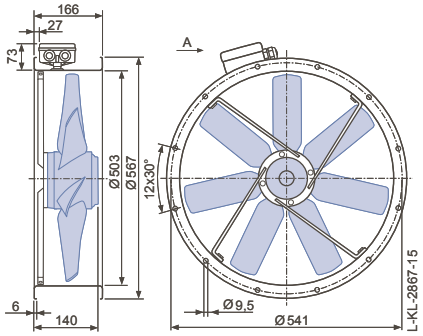
Dimensions [mm]

Airflow direction A

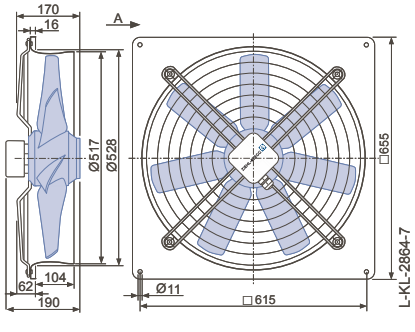
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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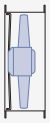
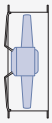
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC050-6D_.4C.A7	I	**400***	②	**0.56***	**200***	**920***	72
		400	③	0.53	170	940	75
	II	230	⑤	0.49	140	770	68
		230	⑥	0.43	120	830	72
	III	180	⑧	0.47	105	610	63
		180	⑨	0.43	91	700	68
	IV	140	⑪	0.40	64	470	58
		140	⑫	0.38	62	530	62

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC050-6DF.4C.A7**	**FC050-6DF.4C.A7**	**FC050-6DQ.4C.A7**
Article no.	**132293**	**132291**	**132303**
Weight [kg]	12.70	12.00	15.30

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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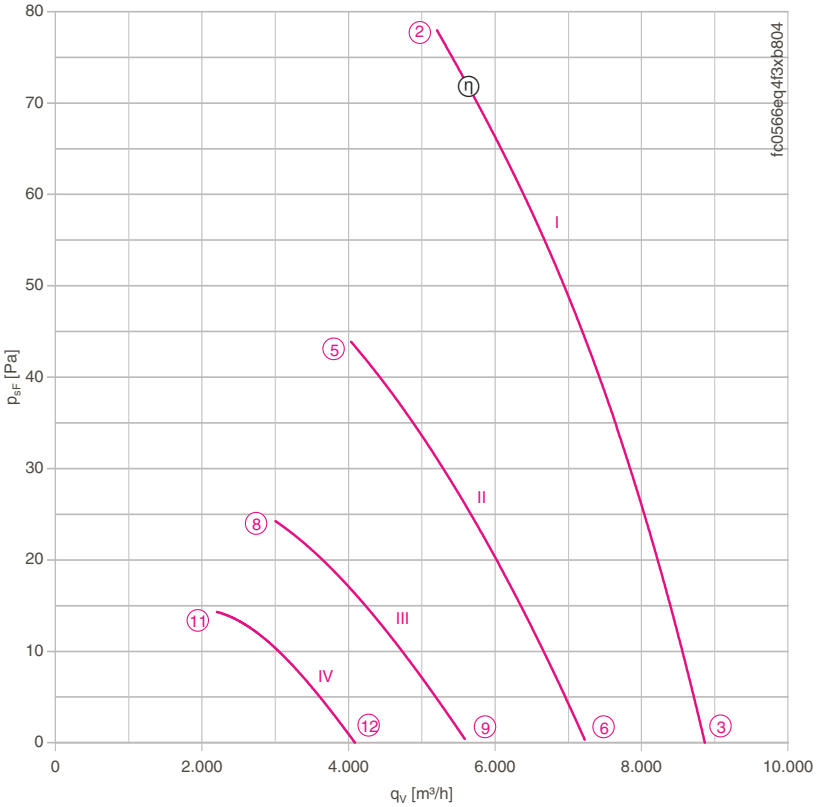
FC

for single phase alternating current, 6 pole

FC056-6E



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

Motor technology: AC
Rated voltage U_N: **1~ 230 V±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **0.43 kW***
Rated current I_N: **1.95 A***
Rated speed n_N: **880 min^{-1}***
Starting current I_A: 3.60 A
Current increase ΔI: 0 %
Service capacitor C_{400V}: 10.0 µF
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -25 °C
Max. permitted conveyor temperature $t_{R(max)}$: 65 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2013, CE
ErP Data
Efficiency η_{statA}: 27.9 %
Efficiency: N_{actual} = 36.7 / N_{target} = 36**
* Rated data
**ErP 2013

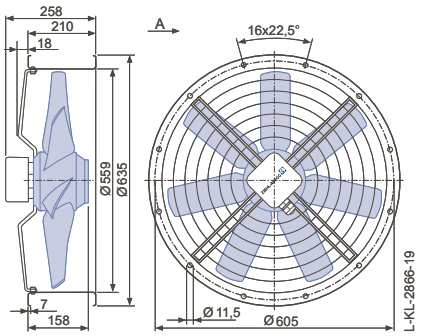
Connection diagram 1360-104XB Page 608

System components Page 524

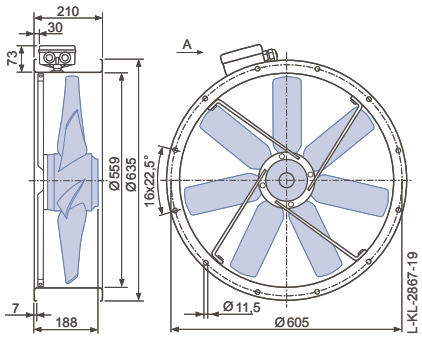
Dimensions [mm]

Airflow direction A

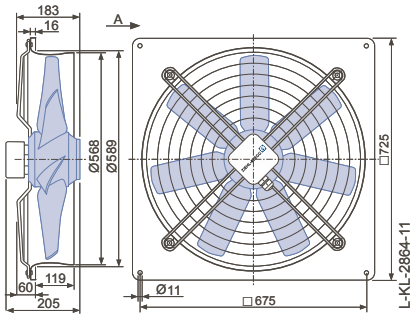
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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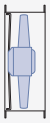
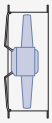
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC056-6E_.4F.A7	I	**230***	②	**1.95***	**430***	**880***	75
		230	③	1.80	390	900	74
	II	160	⑤	1.85	280	670	69
		160	⑥	1.70	260	740	70
	III	130	⑧	1.65	195	500	62
		130	⑨	1.60	190	580	64
	IV	105	⑪	1.40	130	390	60
		105	⑫	1.35	125	430	57

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC056-6EF.4F.A7**	**FC056-6EF.4F.A7**	**FC056-6EQ.4F.A7**
Article no.	**132349**	**132347**	**130748**
Weight [kg]	16.70	16.00	19.10

Control technology

Frequency inverter Fcontrol 1~	Motor protection units 1~	Transformer-based controllers 1~	Electronic voltage controllers 1~
			
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FC

for three phase alternating current, 4 pole

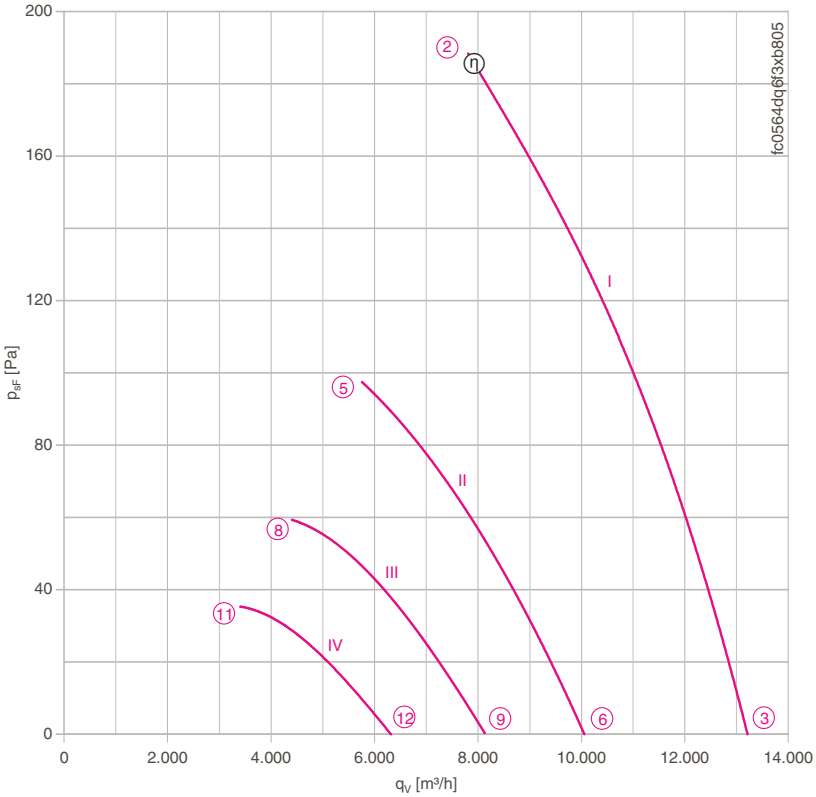
FC056-4D



Description

Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **1.25 kW***
Rated current I_N: **3.80/2.20 A***
Rated speed n_N: **1300 min^{-1}***
Starting current I_A: 16.00 A / 9.50 A
Current increase ΔI: 10 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 34.6 %
Efficiency: N_{actual} = 40.4 / N_{target} = 40**
* Rated data
**ErP 2015

Characteristic curve



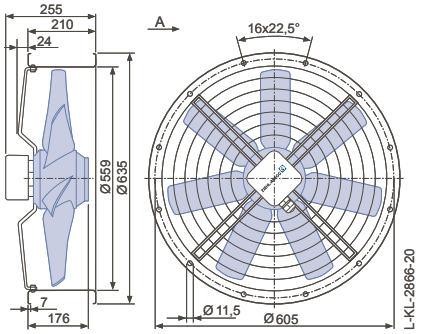
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Connection diagram 1360-106XB Page 608
System components Page 524

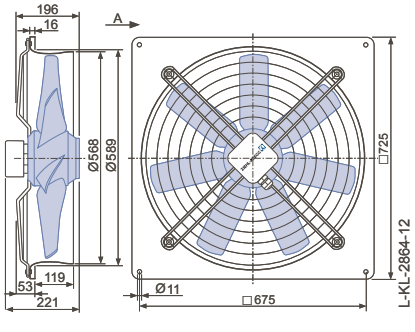
Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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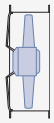
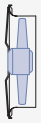
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC056-4D_.6F.A7	I	**400***	②	**2.20***	**1250***	**1300***	83
		400	③	1.90	1050	1340	83
	II	230	⑤	2.40	780	950	76
		230	⑥	2.20	720	1030	78
	III	180	⑧	2.20	550	760	71
		180	⑨	2.10	530	830	73
	IV	140	⑪	1.90	360	600	66
		140	⑫	1.80	350	660	68

*rated data

Fan ordering information

Airflow direction A

Design	F (without guard grille)	Q
		
Type	**FC056-4DF.6F.A7**	**FC056-4DQ.6F.A7**
Article no.	**132422**	**125189**
Weight [kg]	25.00	23.40

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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Вентиляторы.ру

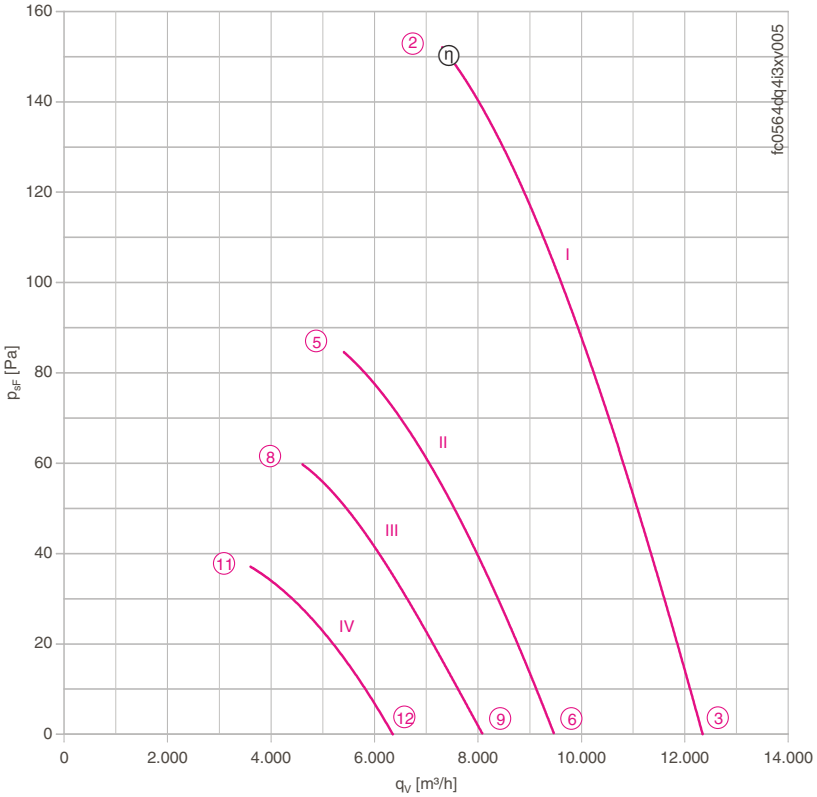
FC

for three phase alternating current, 4 pole

FC056-4D



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **1.00 kW***
Rated current I_N: **3.10/1.80 A***
Rated speed n_N: **1220 min^{-1}***
Starting current I_A: 12.00 A / 7.00 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 32.5 %
Efficiency: N_{actual} = 40.3 / N_{target} = 40**
Frequency inverter required
* Rated data
**ErP 2015

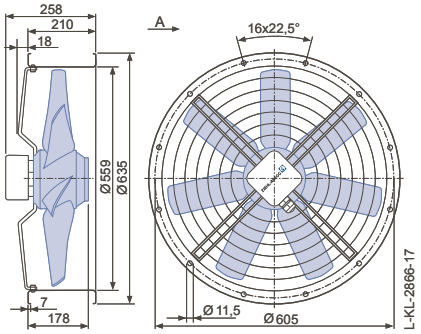
Connection diagram 1360-106XB Page 608

System components Page 524

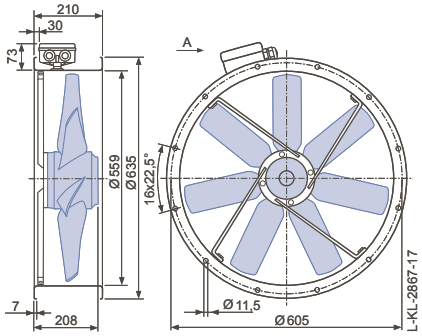
Dimensions [mm]

Airflow direction A

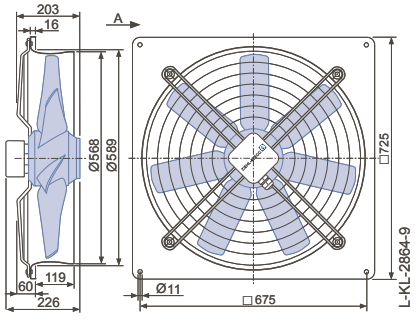
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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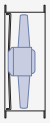
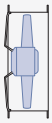
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC056-4D_.4I.A7	I	**400***	②	**1.80***	**1000***	**1220***	82
		400	③	1.60	870	1260	81
	II	230	⑤	1.65	600	900	75
		230	⑥	1.55	550	970	76
	III	180	⑧	1.60	450	760	71
		180	⑨	1.50	430	830	71
	IV	140	⑪	1.40	310	620	66
		140	⑫	1.30	290	660	67

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC056-4DF.4I.A7**	**FC056-4DF.4I.A7**	**FC056-4DQ.4I.A7**
Article no.	**132301**	**132299**	**130749**
Weight [kg]	18.40	17.70	20.80

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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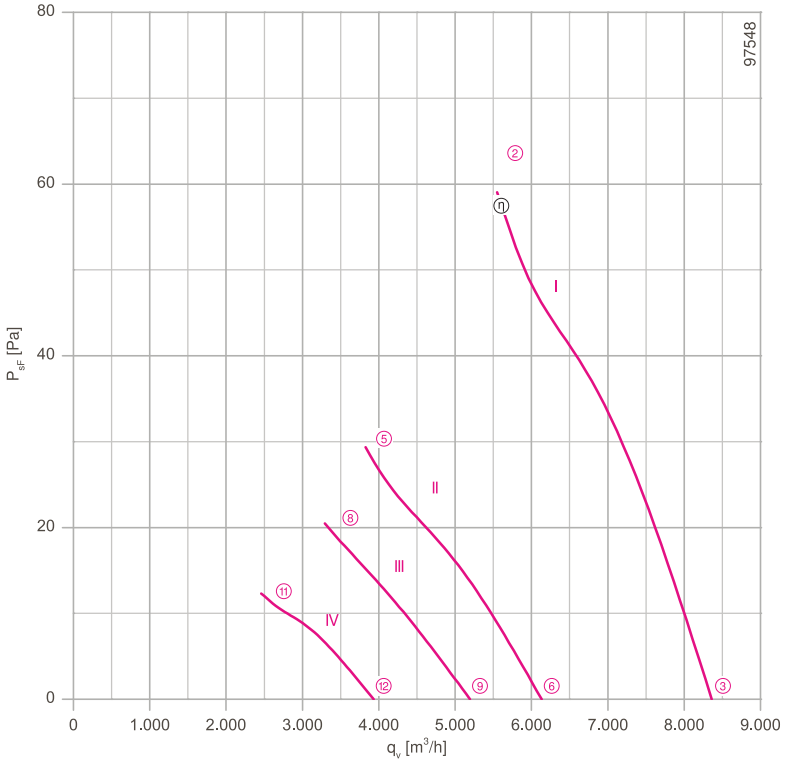
FC

for three phase alternating current, 6 pole

FC056-6D



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

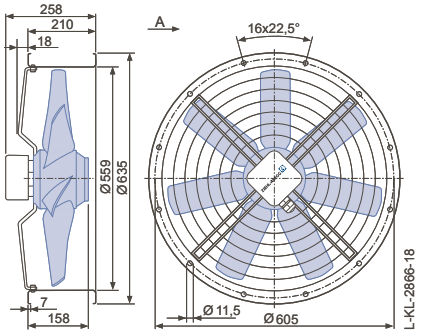
Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.31 kW***
Rated current I_N: **1.05/0.60 A***
Rated speed n_N: **840 min^{-1}***
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 31.0 %
Efficiency: N_{actual} = 40.6 / N_{target} = 40**
* Rated data
**ErP 2015

Connection diagram 1360-106XB Page 608
System components Page 524

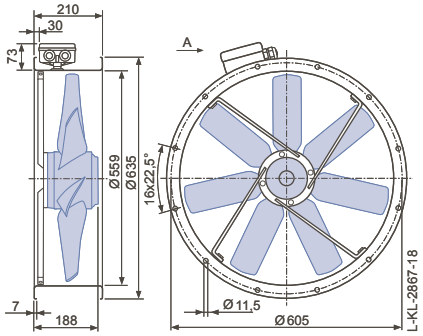
Dimensions [mm]

Airflow direction A

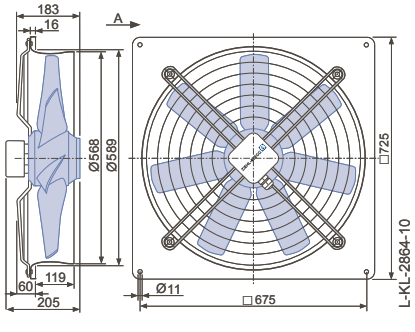
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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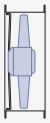
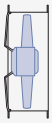
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC056-6D_.4F._7	I	**400***	②	**0.60***	**310***	**840***	71
		400	③	0.56	270	870	72
	II	230	⑤	0.56	170	590	63
		230	⑥	0.54	160	640	64
	III	190	⑧	0.50	130	500	59
		190	⑨	0.48	120	540	60
	IV	145	⑪	0.42	80	390	52
		145	⑫	0.42	80	410	54

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC056-6DF.4F.A7**	**FC056-6DF.4F.A7**	**FC056-6DQ.4F.A7**
Article no.	**160101**	**160100**	**160099**
Weight [kg]	16.80	16.00	19.10

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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FC

for three phase alternating current, 4-4 pole

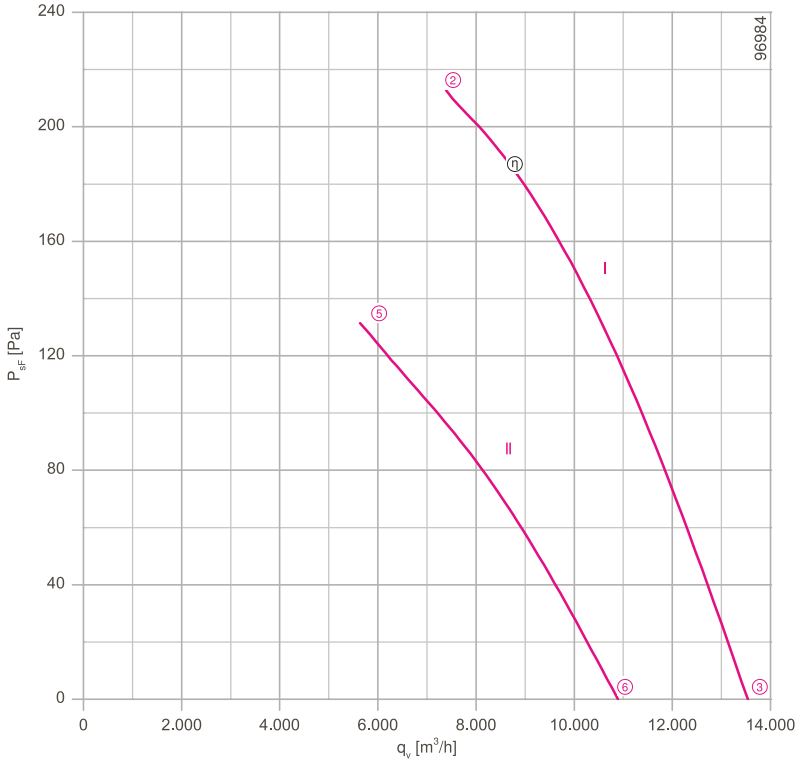
FC056-VD



Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **1.30/0.88 kW***
Rated current I_N: **2.50/1.50 A***
Rated speed n_N: **1340/1040 min^{-1}***
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 35.9 %
Efficiency: N_{actual} = 41.5 / N_{target} = 40**
* Rated data
**ErP 2015

Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

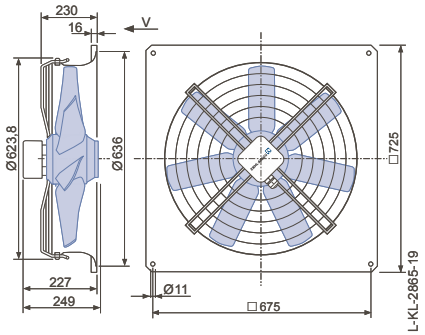
Connection diagram 1360-108XA Page 608

System components Page 524

Dimensions [mm]

Airflow direction V

Design Q - square, full bell mouth



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Performance data

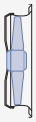
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
FC056-VD_.6F.V7	Δ	I	**400***	②	**2.50***	**1300***	**1340***	82
			400	③	2.30	1100	1370	81
	Y	II	**400***	⑤	**1.50***	**860***	**1040***	76
			400	⑥	1.35	800	1100	76

*rated data

Fan ordering information

Airflow direction V

Design Q



Type **FC056-VDQ.6F.V7**

Article no. **160094**

Weight [kg] 28.05

Control technology

Frequency inverter Fcontrol 3~



Page 558

Motor protection units 3~



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Transformer-based controllers 3~



Page 591

Electronic voltage controllers 3~



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FC

for three phase alternating current, 4-4 pole

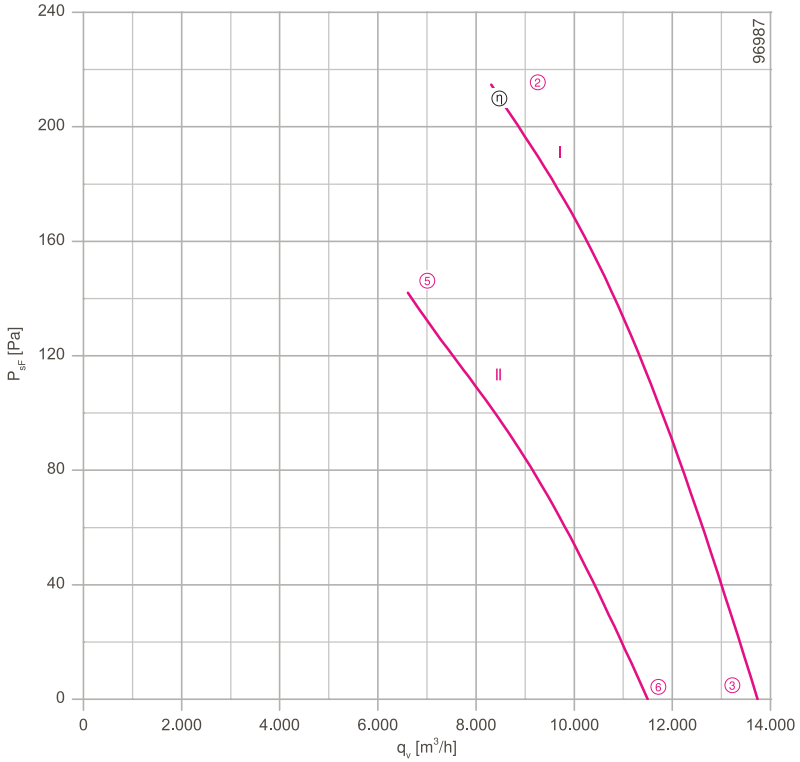
FC056-VD



Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **1.30/0.86 kW***
Rated current I_N: **3.10/1.65 A***
Rated speed n_N: **1360/1100 min^{-1}***
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 39.6 %
Efficiency: N_{actual} = 45.2 / N_{target} = 40**
* Rated data
**ErP 2015

Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

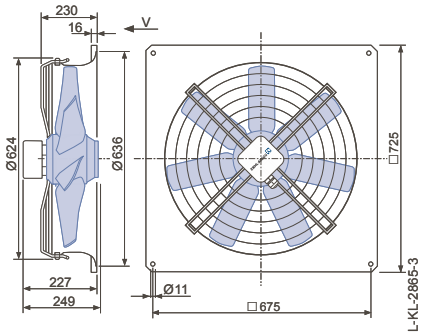
Connection diagram 1360-108XA Page 608

System components Page 524

Dimensions [mm]

Airflow direction V

Design Q - square, full bell mouth



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Performance data

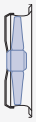
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
FC056-VD_.6K.V7	Δ	I	**400***	②	**3.10***	**1300***	**1360***	83
			400	③	2.90	1100	1380	82
	Y	II	**400***	⑤	**1.65***	**860***	**1100***	78
			400	⑥	1.50	760	1170	78

*rated data

Fan ordering information

Airflow direction V

Design Q



Type **FC056-VDQ.6K.V7**

Article no. **160096**

Weight [kg] 31.30

Control technology

Frequency inverter Fcontrol 3~



Page 558

Motor protection units 3~



Page 596

Transformer-based controllers 3~



Page 591

Electronic voltage controllers 3~



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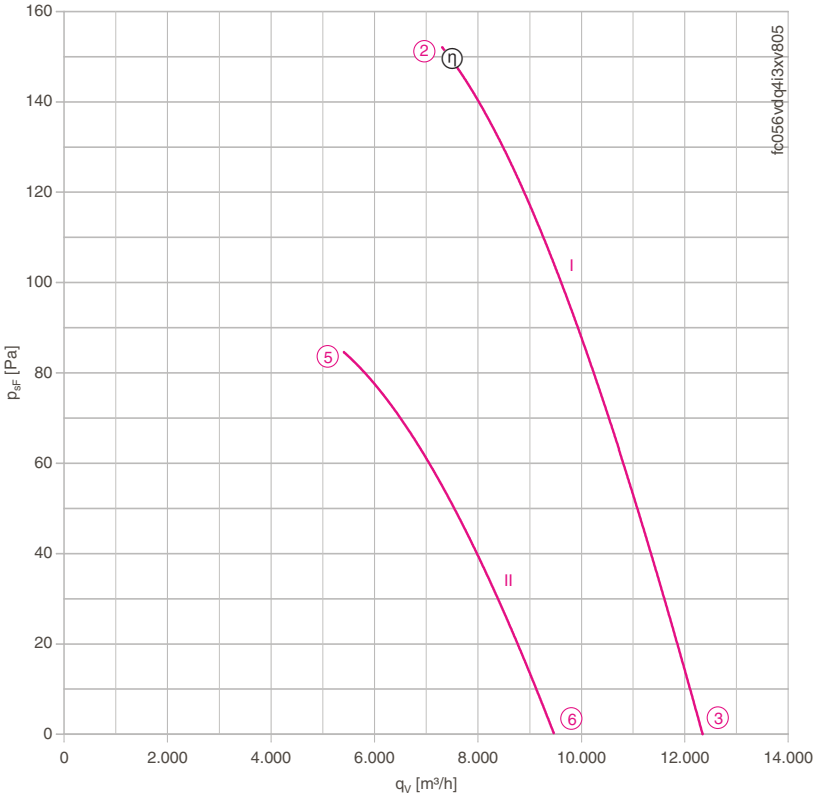
FC

for three phase alternating current, 4-4 pole

FC056-VD



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **1.00/0.60 kW***
Rated current I_N: **1.80/0.95 A***
Rated speed n_N: **1220/ 900 min^{-1}***
Starting current I_A: 7.00 A / 2.30 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 32.5 %
Efficiency: N_{actual} = 40.3 / N_{target} = 40**
Frequency inverter required
* Rated data
**ErP 2015

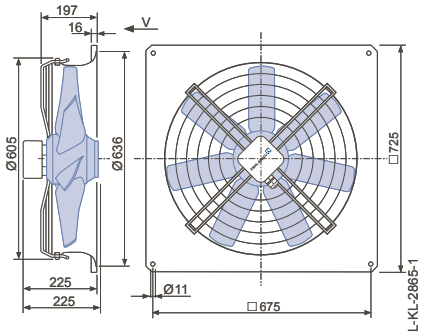
Connection diagram 1360-108XA Page 608

System components Page 524

Dimensions [mm]

Airflow direction V

Design Q - square, full bell mouth



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Performance data

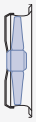
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
FC056-VD_.4I.V7	Δ	I	**400***	②	**1.80***	**1000***	**1220***	82
			400	③	1.60	870	1260	81
	Y	II	**400***	⑤	**0.95***	**600***	**900***	75
			400	⑥	0.88	550	970	76

*rated data

Fan ordering information

Airflow direction V

Design Q



Type **FC056-VDQ.4I.V7**

Article no. **123992**

Weight [kg] 20.70

Control technology

Frequency inverter Fcontrol 3~



Page 558

Motor protection units 3~



Page 596

Transformer-based controllers 3~



Page 591

Electronic voltage controllers 3~



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FC

for three phase alternating current, 6-6 pole

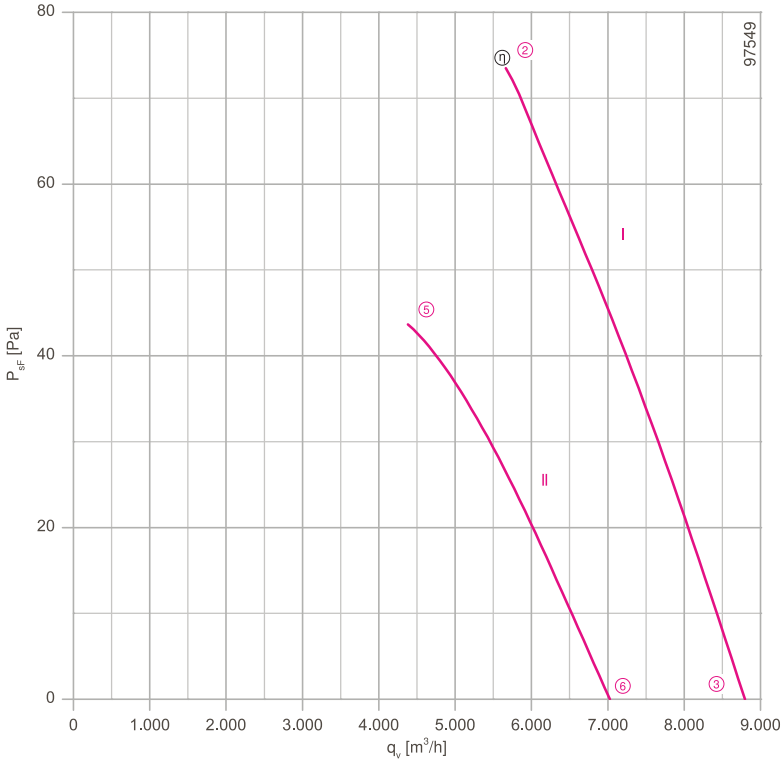
FC056-SD



Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.36/0.23 kW***
Rated current I_N: **0.82/0.42 A***
Rated speed n_N: **890/ 690 min^{-1}***
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 32.7 %
Efficiency: N_{actual} = 41.8 / N_{target} = 40**
* Rated data
**ErP 2015

Characteristic curve



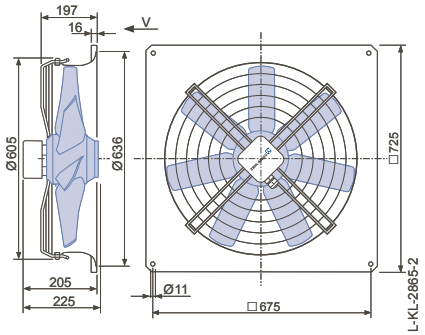
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Connection diagram 1360-108XA Page 608
System components Page 524

Dimensions [mm]

Airflow direction V

Design Q - square, full bell mouth



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Performance data

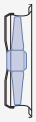
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
FC056-SD_.4F.V7	Δ	I	**400***	②	**0.82***	**360***	**890***	74
			400	③	0.78	320	910	72
	Y	II	**400***	⑤	**0.42***	**230***	**690***	67
			400	⑥	0.40	210	730	68

*rated data

Fan ordering information

Airflow direction V

Design Q



Type **FC056-SDQ.4F.V7**

Article no. **160103**

Weight [kg] 19.00

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
Page 558	Page 596	Page 591	Page 578

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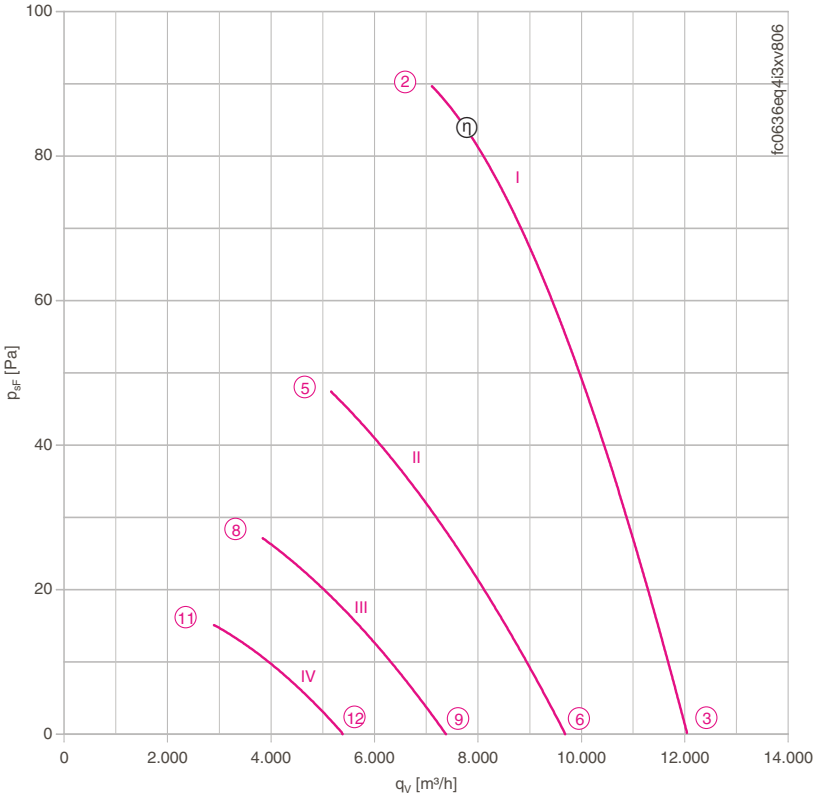
FC

for single phase alternating current, 6 pole

FC063-6E



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

Motor technology: AC
Rated voltage U_N: **1~ 230 V±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.60 kW***
Rated current I_N: **2.70 A***
Rated speed n_N: **880 min^{-1}***
Starting current I_A: 5.50 A
Current increase ΔI: 0 %
Service capacitor C_{400V}: 12.0 µF
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -25 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 31.1 %
Efficiency: N_{actual} = 40.6 / N_{target} = 40**
Frequency inverter required
* Rated data
**ErP 2015

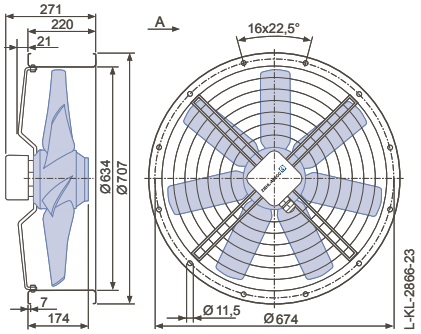
Connection diagram 1360-104XB Page 608

System components Page 524

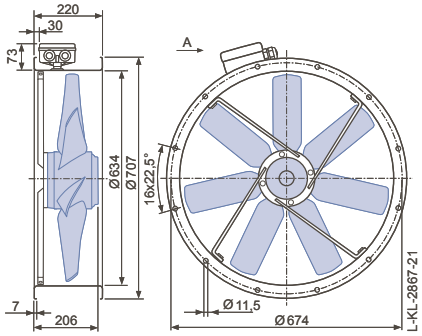
Dimensions [mm]

Airflow direction A

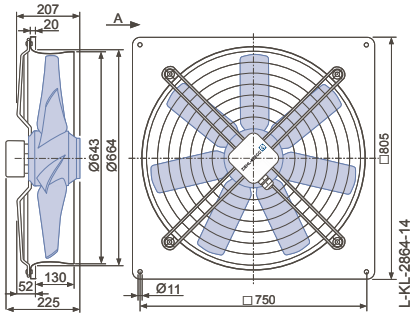
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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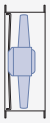
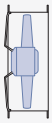
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC063-6E_.4I.A7	I	**230***	②	**2.70***	**600***	**880***	79
		230	③	2.40	520	910	80
	II	160	⑤	2.80	420	650	72
		160	⑥	1.80	310	850	78
	III	130	⑧	2.60	300	480	64
		130	⑨	2.60	300	550	68
	IV	105	⑪	2.20	200	360	57
		105	⑫	2.10	195	410	60

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC063-6EF.4I.A7**	**FC063-6EF.4I.A7**	**FC063-6EQ.4I.A7**
Article no.	**132357**	**132355**	**130750**
Weight [kg]	20.30	19.40	24.00

Control technology

Frequency inverter Fcontrol 1~	Motor protection units 1~	Transformer-based controllers 1~	Electronic voltage controllers 1~
			
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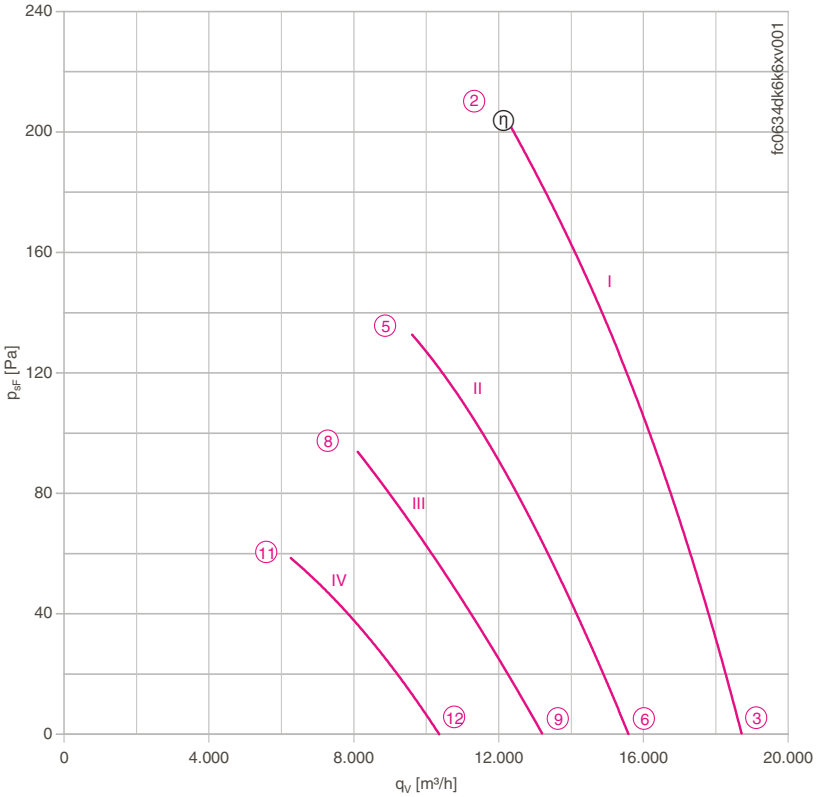
FC

for three phase alternating current, 4 pole

FC063-4D



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **1.90 kW***
Rated current I_N: **5.50/3.20 A***
Rated speed n_N: **1360 min^{-1}***
Starting current I_A: 30.00 A / 17.00 A
Current increase ΔI: 15 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 36.9 %
Efficiency: N_{actual} = 41.5 / N_{target} = 40**
* Rated data
**ErP 2015

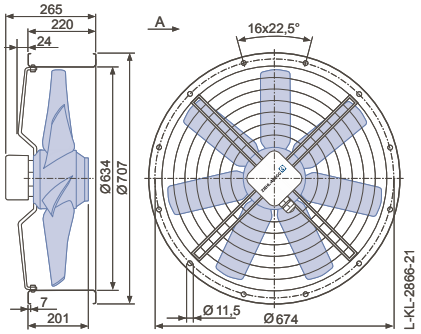
Connection diagram 1360-106XB Page 608

System components Page 524

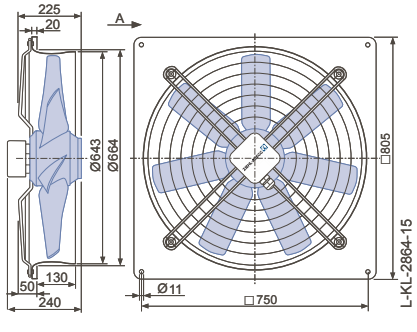
Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges and guard grille



Design Q - square, full bell mouth



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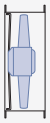
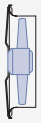
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC063-4D_.6K.A7	I	**400***	②	**3.20***	**1900***	**1360***	90
		400	③	3.10	1800	1380	90
	II	230	⑤	3.80	1350	1110	85
		230	⑥	3.70	1350	1130	86
	III	180	⑧	3.80	1050	920	80
		180	⑨	3.70	1000	950	81
	IV	140	⑪	3.40	730	740	75
		140	⑫	3.40	730	770	76

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	Q
		
Type	**FC063-4DF.6K.A7**	**FC063-4DQ.6K.A7**
Article no.	**132517**	**125205**
Weight [kg]	29.00	31.50

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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FC

for three phase alternating current, 6 pole

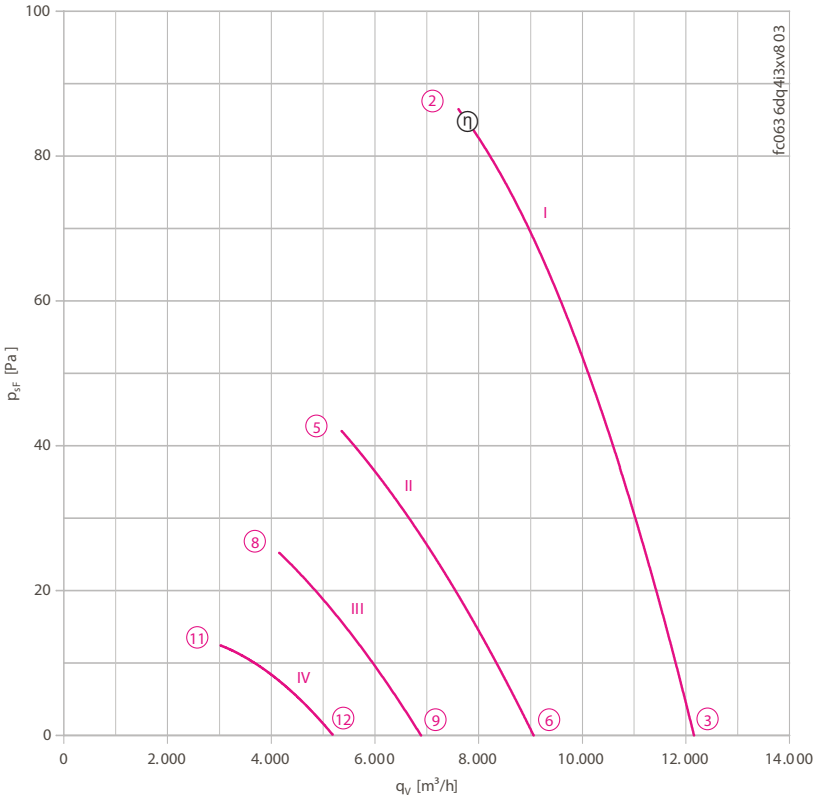
FC063-6D



Description

Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **0.59 kW***
Rated current I_N: **2.30/1.30 A***
Rated speed n_N: **890 min^{-1}***
Starting current I_A: 6.00 A / 3.60 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 32.2 %
Efficiency: N_{actual} = 40.1 / N_{target} = 40**
* Rated data
**ErP 2015

Characteristic curve



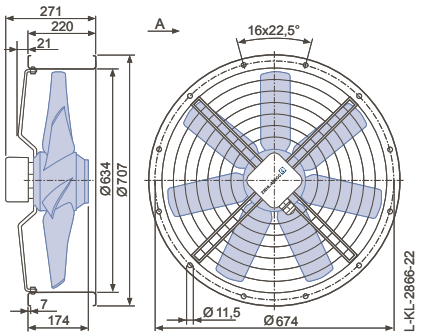
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Connection diagram 1360-106XB Page 608
System components Page 524

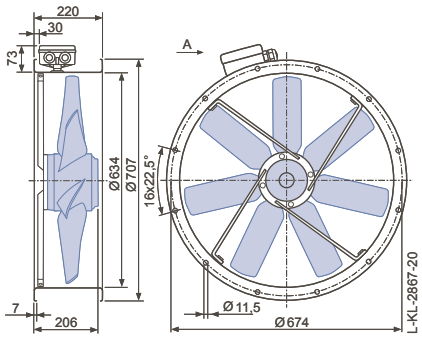
Dimensions [mm]

Airflow direction A

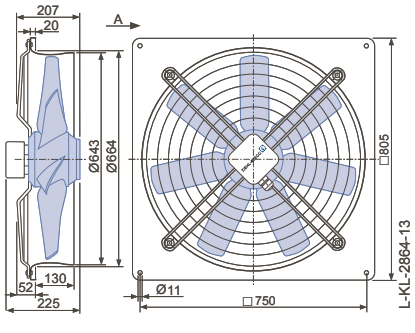
Design F - flange ring with two flanges and guard grille



Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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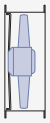
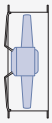
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC063-6D_.4I.A7	I	**400***	②	**1.30***	**590***	**890***	80
		400	③	1.20	510	910	80
	II	230	⑤	1.30	360	610	70
		230	⑥	1.25	340	680	73
	III	180	⑧	1.10	230	480	64
		180	⑨	1.10	230	520	66
	IV	140	⑪	0.90	140	360	57
		140	⑫	0.89	140	390	59

*rated data

Fan ordering information

Airflow direction A

Design	F (with contact protection)	F (without guard grille)	Q
			
Type	**FC063-6DF.4I.A7**	**FC063-6DF.4I.A7**	**FC063-6DQ.4I.A7**
Article no.	**132353**	**124983**	**130751**
Weight [kg]	20.30	19.40	24.00

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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FC

for three phase alternating current, 4-4 pole

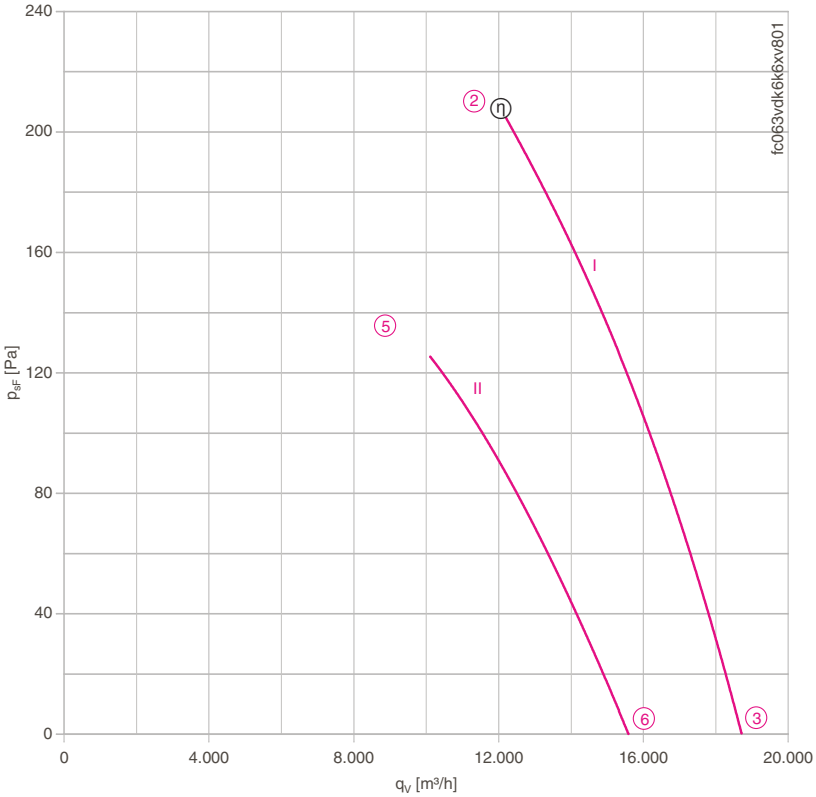
FC063-VD



Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **1.90/1.35 kW***
Rated current I_N: **3.20/2.20 A***
Rated speed n_N: **1340/1070 min^{-1}***
Starting current I_A: 15.00 A / 4.80 A
Current increase ΔI: 15 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 37.2 %
Efficiency: N_{actual} = 41.8 / N_{target} = 40**
* Rated data
**ErP 2015

Characteristic curve



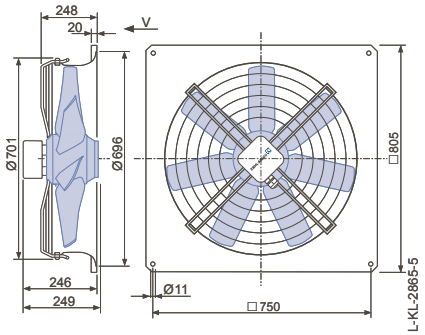
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Connection diagram 1360-108XA Page 608
System components Page 524

Dimensions [mm]

Airflow direction V

Design Q - square, full bell mouth



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Performance data

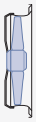
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
FC063-VD_.6K.V7	Δ	I	**400***	②	**3.20***	**1900***	**1340***	90
			400	③	2.90	1650	1380	90
	Y	II	**400***	⑤	**2.20***	**1350***	**1070***	84
			400	⑥	2.00	1240	1150	86

*rated data

Fan ordering information

Airflow direction V

Design Q



Type **FC063-VDQ.6K.V7**

Article no. **123995**

Weight [kg] 34.20

Control technology

Frequency inverter Fcontrol 3~



Page 558

Motor protection units 3~



Page 596

Transformer-based controllers 3~



Page 591

Electronic voltage controllers 3~



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FC

for three phase alternating current, 6-6 pole

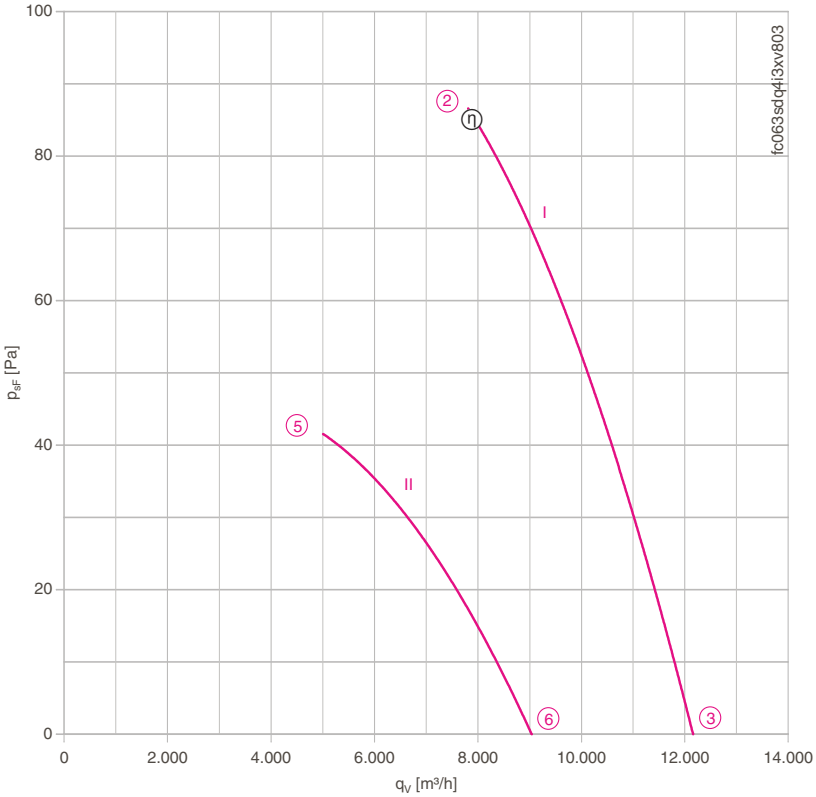
FC063-SD



Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **0.60/0.40 kW***
Rated current I_N: **1.35/0.78 A***
Rated speed n_N: **900/ 650 min^{-1}***
Starting current I_A: 4.00 A / 1.35 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 32.2 %
Efficiency: N_{actual} = 40.3 / N_{target} = 40**
* Rated data
**ErP 2015

Characteristic curve



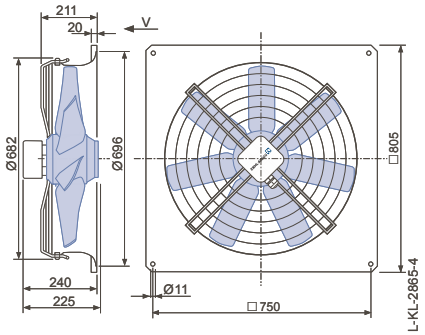
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Connection diagram 1360-108XA Page 608
System components Page 524

Dimensions [mm]

Airflow direction V

Design Q - square, full bell mouth



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Performance data

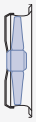
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
FC063-SD_.4I.V7	Δ	I	**400***	②	**1.35***	**600***	**900***	81
			400	③	1.30	550	920	80
	Y	II	**400***	⑤	**0.78***	**400***	**680***	74
			400	⑥	0.75	380	720	74

*rated data

Fan ordering information

Airflow direction V

Design Q



Type **FC063-SDQ.4I.V7**

Article no. **123996**

Weight [kg] 23.40

Control technology

Frequency inverter Fcontrol 3~



Page 558

Motor protection units 3~



Page 596

Transformer-based controllers 3~



Page 591

Electronic voltage controllers 3~



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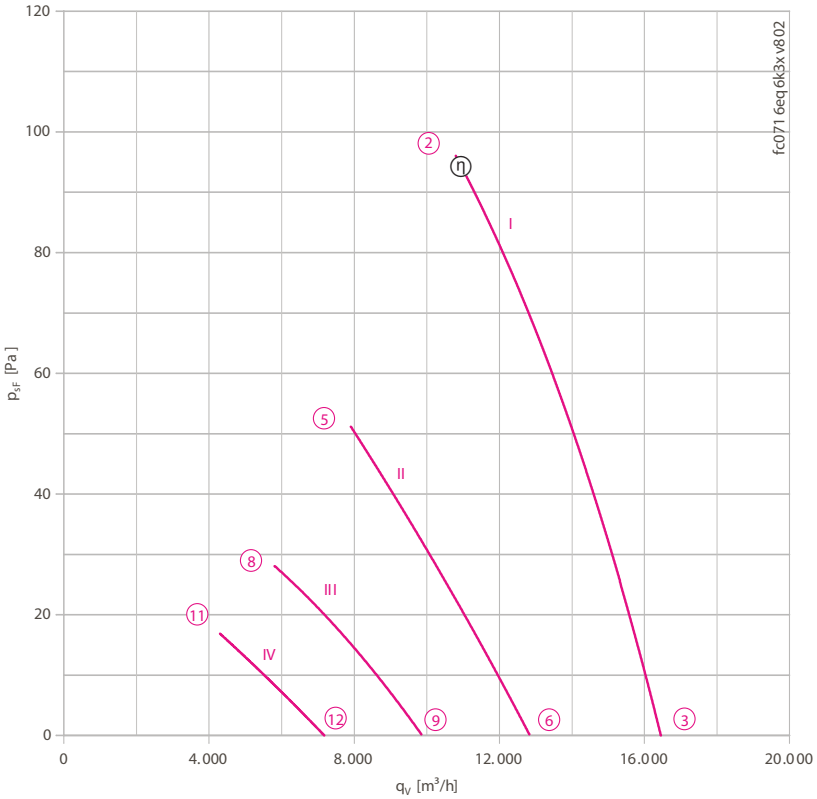
FC

for single phase alternating current, 6 pole

FC071-6E



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

Motor technology: AC
Rated voltage U_N: **1~ 230 V±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **0.89 kW***
Rated current I_N: **4.10 A***
Rated speed n_N: **850 min^{-1}***
Starting current I_A: 8.00 A
Current increase ΔI: 10 %
Service capacitor C_{400V}: 16.0 µF
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -25 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 33.4 %
Efficiency: N_{actual} = 40.1 / N_{target} = 40**
* Rated data
**ErP 2015

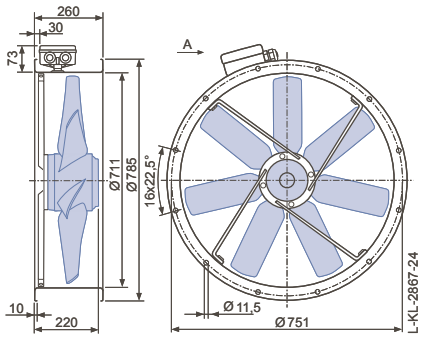
Connection diagram 1360-104XB Page 608

System components Page 524

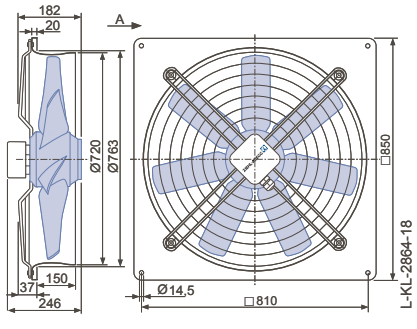
Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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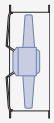
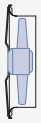
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC071-6E_.6K.A7	I	**230***	②	**4.10***	**890***	**850***	81
		230	③	3.70	780	880	82
	II	160	⑤	4.50	650	620	74
		160	⑥	4.10	610	690	77
	III	130	⑧	4.20	470	460	67
		130	⑨	4.10	470	530	71
	IV	105	⑪	3.50	310	350	61
		105	⑫	3.50	310	380	63

*rated data

Fan ordering information

Airflow direction A

Design	F (without guard grille)	Q
		
Type	**FC071-6EF.6K.A7**	**FC071-6EQ.6K.A7**
Article no.	**125029**	**125006**
Weight [kg]	34.30	33.00

Control technology

Frequency inverter Fcontrol 1~	Motor protection units 1~	Transformer-based controllers 1~	Electronic voltage controllers 1~
			
Page 552	Page 596	Page 587	Page 562

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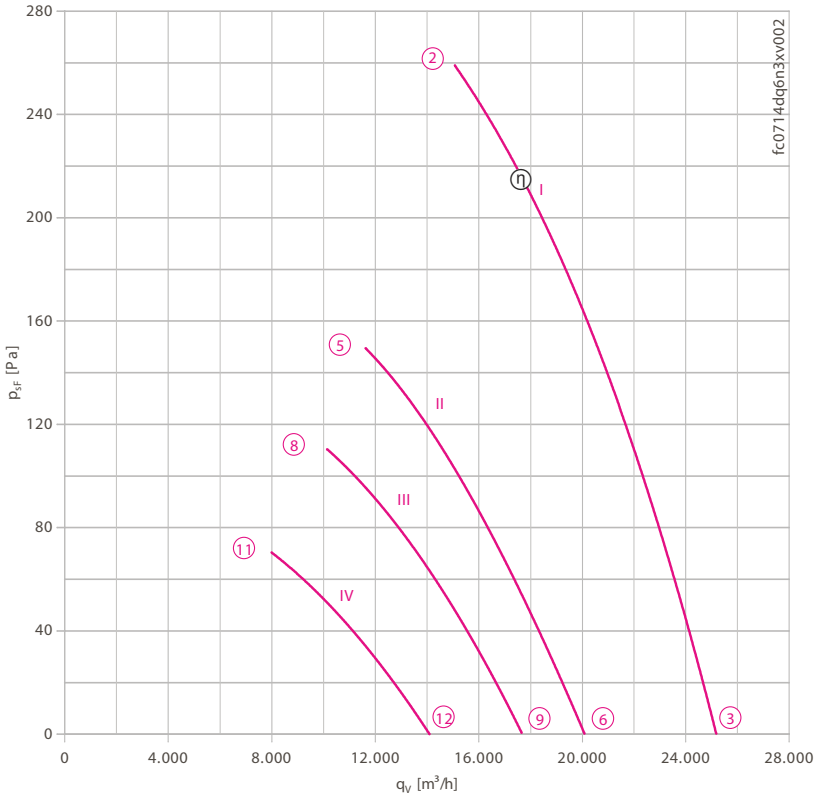
FC

for three phase alternating current, 4 pole

FC071-4D



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **2.90 kW***
Rated current I_N: **9.20/5.30 A***
Rated speed n_N: **1290 min^{-1}***
Starting current I_A: 34.00 A / 20.00 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 65 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 36.5 %
Efficiency: N_{actual} = 40.1 / N_{target} = 40**
* Rated data
**ErP 2015

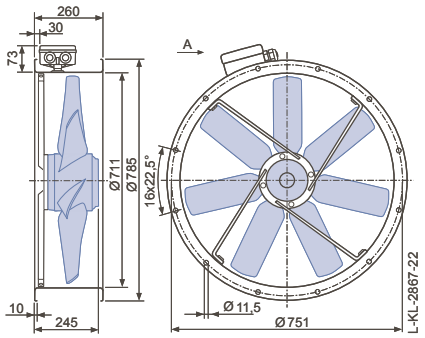
Connection diagram 1360-106XB Page 608

System components Page 524

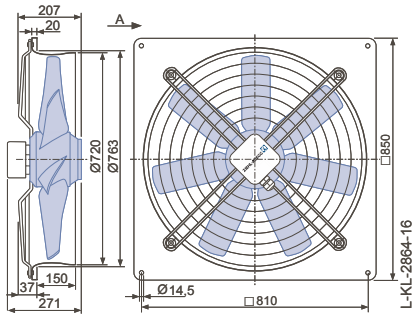
Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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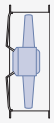
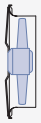
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC071-4D_.6N.A7	I	**400***	②	**5.30***	**2900***	**1290***	91
		400	③	4.60	2400	1340	90
	II	230	⑤	5.30	1800	990	84
		230	⑥	4.80	1650	1070	84
	III	180	⑧	5.00	1400	860	81
		180	⑨	4.60	1300	940	81
	IV	140	⑪	4.40	910	680	75
		140	⑫	4.20	870	750	75

*rated data

Fan ordering information

Airflow direction A

Design	F (without guard grille)	Q
		
Type	**FC071-4DF.6N.A7**	**FC071-4DQ.6N.A7**
Article no.	**135061**	**135060**
Weight [kg]	39.80	38.50

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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FC

for three phase alternating current, 6 pole

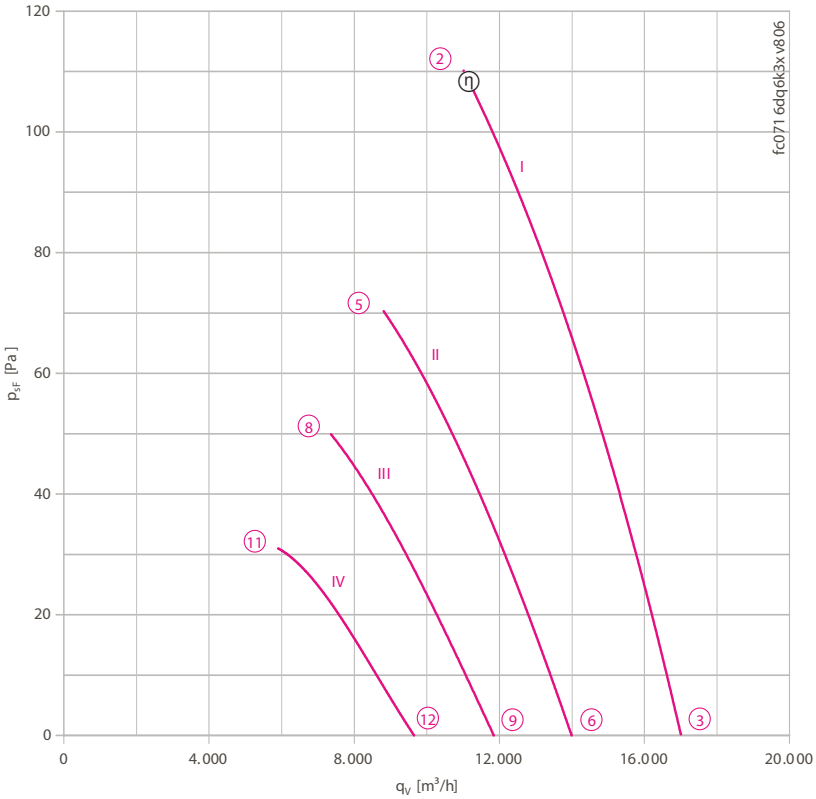
FC071-6D



Description

Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.89 kW***
Rated current I_N: **3.10/1.80 A***
Rated speed n_N: **890 min^{-1}***
Starting current I_A: 11.00 A / 6.40 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 37.1 %
Efficiency: N_{actual} = 43.9 / N_{target} = 40**
* Rated data
**ErP 2015

Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

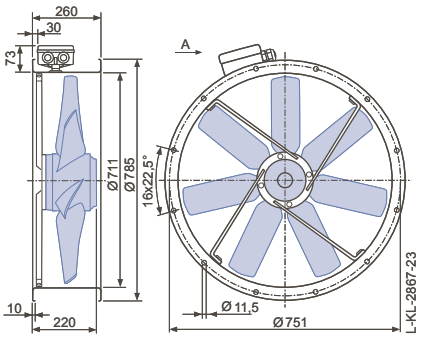
Connection diagram 1360-106XB Page 608

System components Page 524

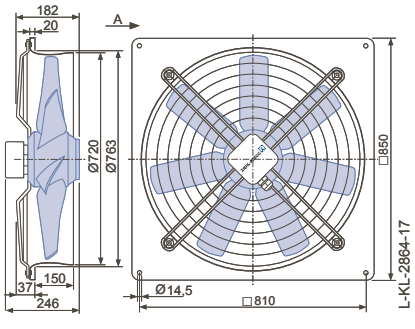
Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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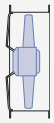
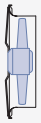
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC071-6D_.6K.A7	I	**400***	②	**1.80***	**890***	**890***	82
		400	③	1.65	780	900	82
	II	230	⑤	1.80	600	710	76
		230	⑥	1.70	550	750	78
	III	180	⑧	1.75	440	600	72
		180	⑨	1.65	420	630	73
	IV	140	⑪	1.55	300	480	67
		140	⑫	1.50	290	520	69

*rated data

Fan ordering information

Airflow direction A

Design	F (without guard grille)	Q
		
Type	**FC071-6DF.6K.A7**	**FC071-6DQ.6K.A7**
Article no.	**125027**	**125004**
Weight [kg]	34.30	33.00

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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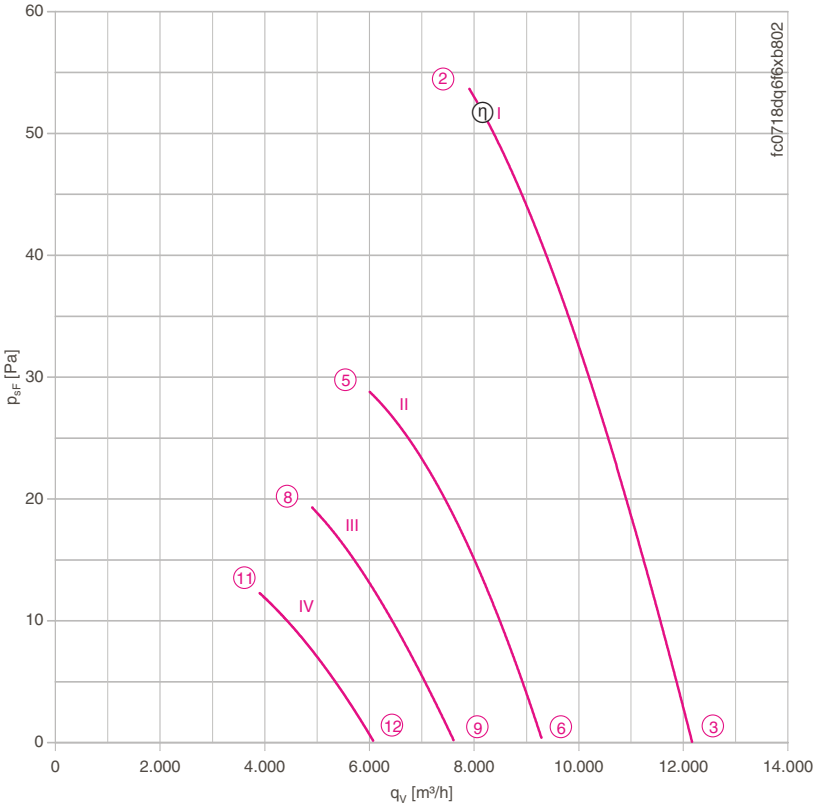
FC

for three phase alternating current, 8 pole

FC071-8D



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.43 kW***
Rated current I_N: **1.95/1.10 A***
Rated speed n_N: **640 min^{-1}***
Starting current I_A: 4.20 A / 2.40 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2013, CE
ErP Data
Efficiency η_{statA}: 29.3 %
Efficiency: N_{actual} = 38.1 / N_{target} = 36**
* Rated data
**ErP 2013

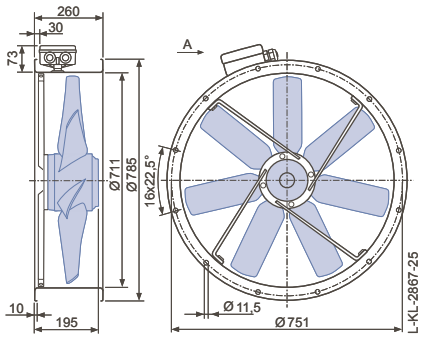
Connection diagram 1360-106XB Page 608

System components Page 524

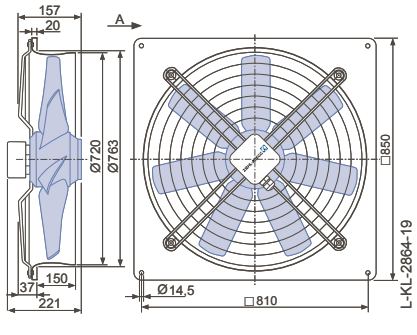
Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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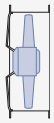
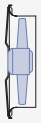
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC071-8D_.6F.A7	I	**400***	②	**1.10***	**420***	**640***	75
		400	③	1.05	370	650	75
	II	230	⑤	0.83	240	480	68
		230	⑥	0.79	220	510	68
	III	180	⑧	0.75	160	390	63
		180	⑨	0.72	155	420	64
	IV	140	⑪	0.64	110	310	57
		140	⑫	0.62	105	330	59

*rated data

Fan ordering information

Airflow direction A

Design	F (without guard grille)	Q
		
Type	**FC071-8DF.6F.A7**	**FC071-8DQ.6F.A7**
Article no.	**125028**	**125005**
Weight [kg]	30.40	29.30

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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Вентиляторы.ру

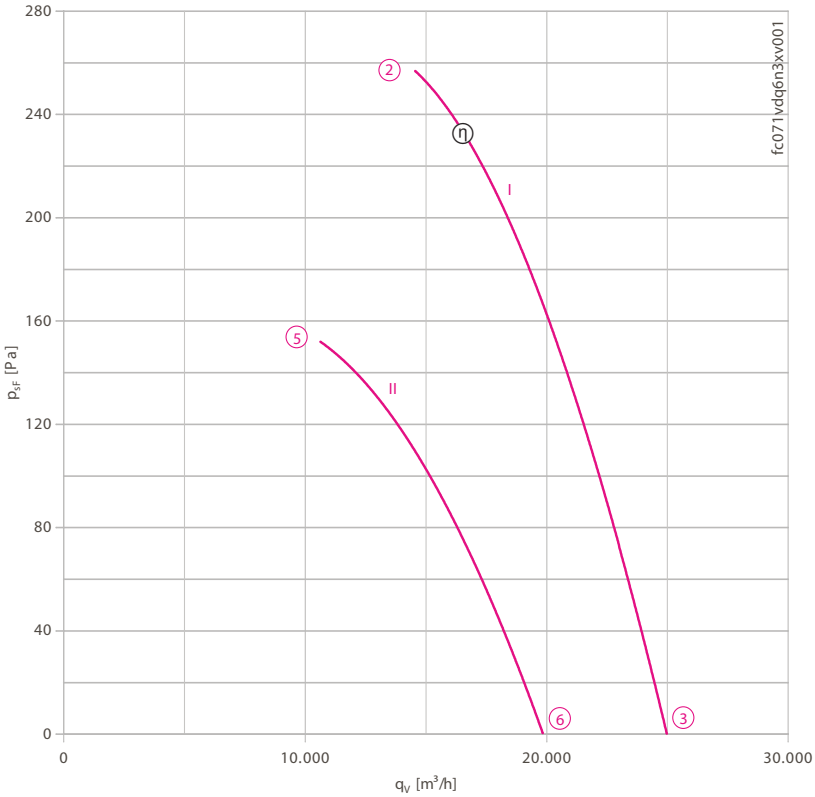
FC

for three phase alternating current, 4-4 pole

FC071-VD



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **2.90/1.80 kW***
Rated current I_N: **5.30/3.00 A***
Rated speed n_N: **1290/ 990 min^{-1}***
Starting current I_A: 19.00 A / 6.00 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 65 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 36.4 %
Efficiency: N_{actual} = 40.0 / N_{target} = 40**
* Rated data
**ErP 2015

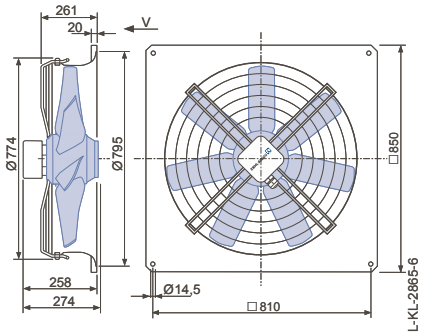
Connection diagram 1360-108XA Page 608

System components Page 524

Dimensions [mm]

Airflow direction V

Design Q - square, full bell mouth



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Вентиляторы.ру

Performance data

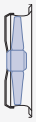
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
FC071-VD_.6N.V7	Δ	I	**400***	②	**5.10***	**2800***	**1300***	90
			400	③	4.50	2400	1330	90
	Y	II	**400***	⑤	**3.00***	**1800***	**990***	83
			400	⑥	2.80	1600	1060	84

*rated data

Fan ordering information

Airflow direction V

Design Q



Type **FC071-VDQ.6N.V7**

Article no. **132521**

Weight [kg] 41.20

Control technology

Frequency inverter Fcontrol 3~



Page 558

Motor protection units 3~



Page 596

Transformer-based controllers 3~



Page 591

Electronic voltage controllers 3~



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Вентиляторы.ру

FC

for three phase alternating current, 6-6 pole

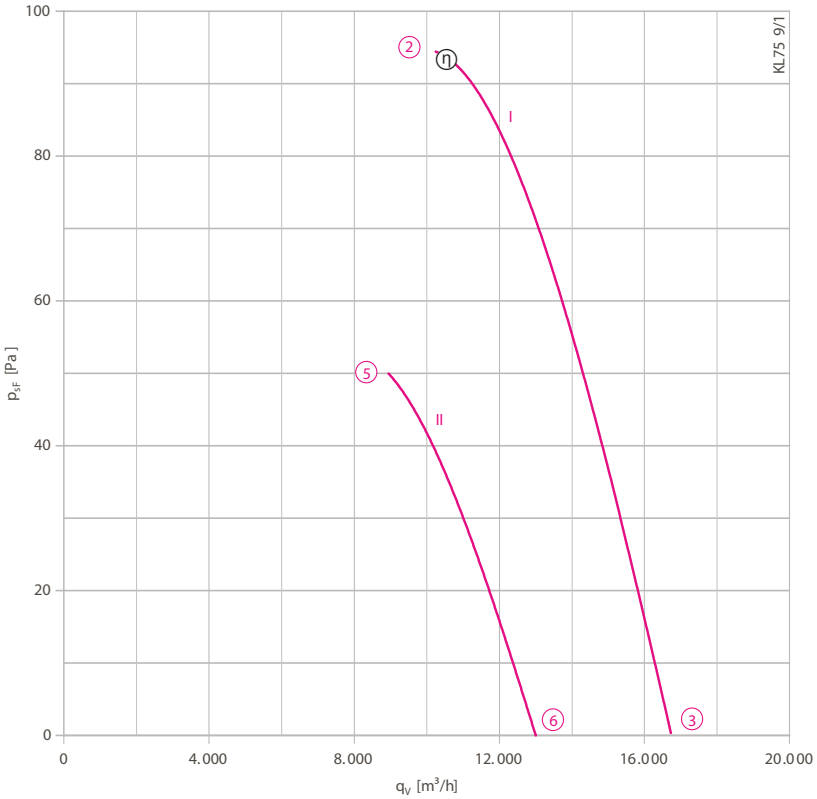
FC071-SD



Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.91/0.62 kW***
Rated current I_N: **2.00/1.10 A***
Rated speed n_N: **890/ 710 min^{-1}***
Starting current I_A: 6.10 A / 2.00 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 37.1 %
Efficiency: N_{actual} = 43.9 / N_{target} = 40**
* Rated data
**ErP 2015

Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

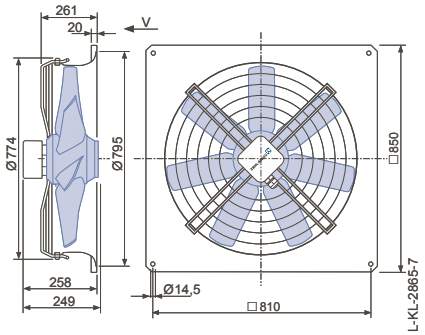
Connection diagram 1360-108XA Page 608

System components Page 524

Dimensions [mm]

Airflow direction V

Design Q - square, full bell mouth



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Вентиляторы.ру

Performance data

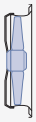
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
FC071-SD_.6K.V7	Δ	I	**400***	②	**2.00***	**910***	**890***	82
			400	③	1.75	800	900	82
	Y	II	**400***	⑤	**1.10***	**620***	**710***	76
			400	⑥	1.10	550	730	78

*rated data

Fan ordering information

Airflow direction V

Design Q



Type **FC071-SDQ.6K.V7**

Article no. **123999**

Weight [kg] 35.70

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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FC

for three phase alternating current, 8-8 pole

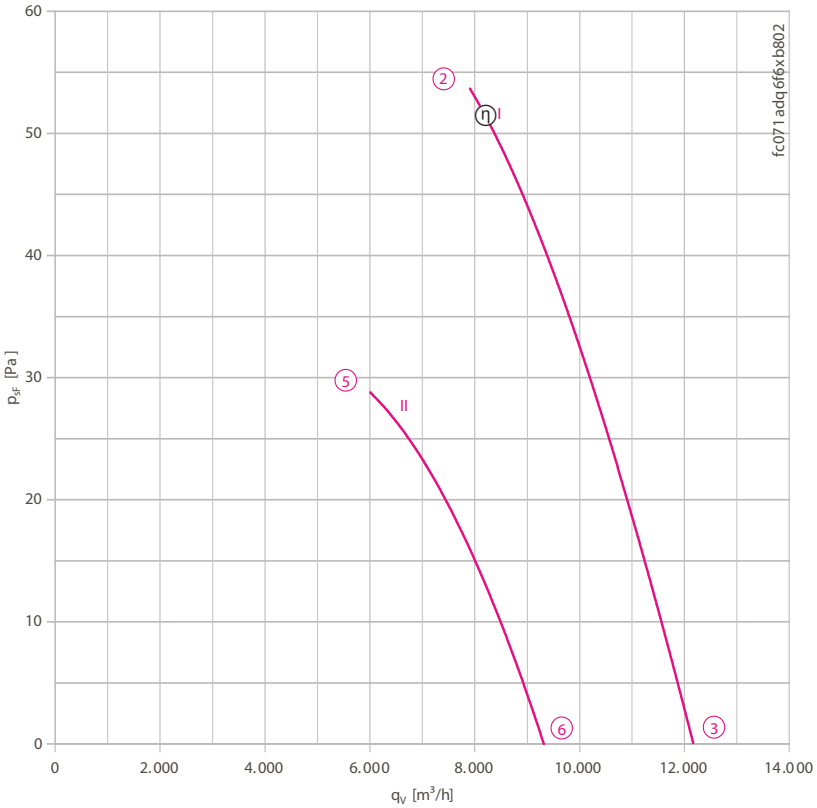
FC071-AD



Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.43/0.26 kW***
Rated current I_N: **1.10/0.56 A***
Rated speed n_N: **640/ 490 min^{-1}***
Starting current I_A: 2.40 A / 0.75 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2013, CE
ErP Data
Efficiency η_{statA}: 29.3 %
Efficiency: N_{actual} = 38.1 / N_{target} = 36**
* Rated data
**ErP 2013

Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

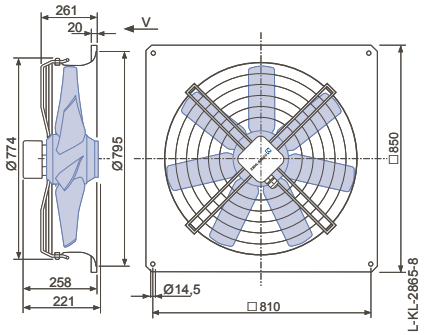
Connection diagram 1360-108XA Page 608

System components Page 524

Dimensions [mm]

Airflow direction V

Design Q - square, full bell mouth



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Performance data

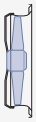
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
FC071-AD_.6F.V7	Δ	I	**400***	②	**1.10***	**420***	**640***	75
			400	③	1.05	370	650	75
	Y	II	**400***	⑤	**0.48***	**240***	**480***	68
			400	⑥	0.46	220	510	68

*rated data

Fan ordering information

Airflow direction V

Design Q



Type **FC071-ADQ.6F.V7**

Article no. **123997**

Weight [kg] 30.40

Control technology

Frequency inverter Fcontrol 3~



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Motor protection units 3~



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Transformer-based controllers 3~



Page 591

Electronic voltage controllers 3~



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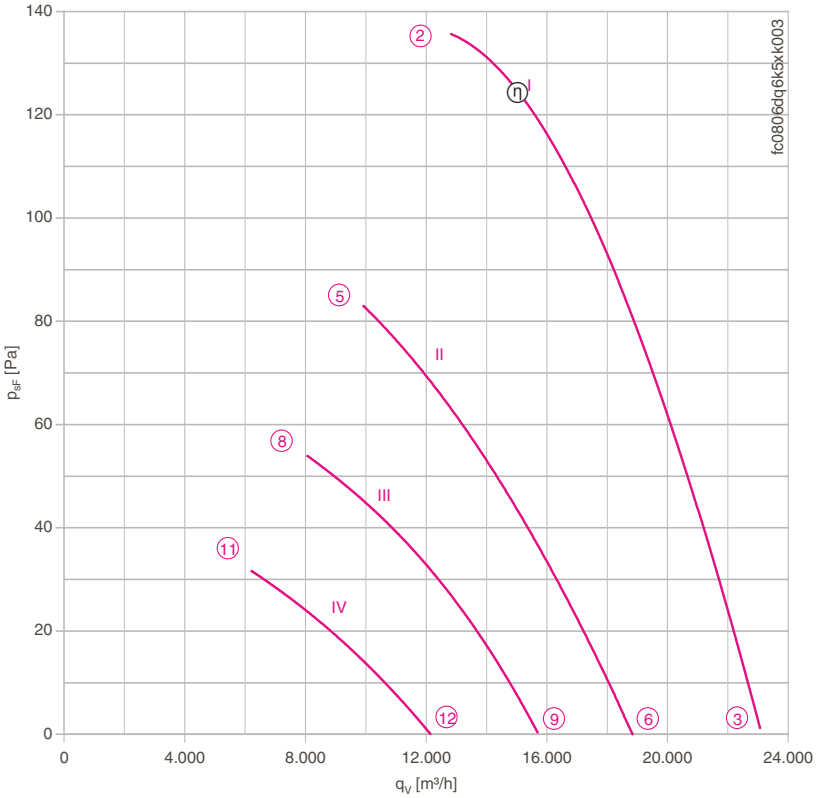
FC

for three phase alternating current, 6 pole

FC080-6D



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **1.40 kW***
Rated current I_N: **4.70/2.70 A***
Rated speed n_N: **900 min^{-1}***
Starting current I_A: 17.00 A / 9.80 A
Current increase ΔI: 10 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 38.0 %
Efficiency: N_{actual} = 43.4 / N_{target} = 40**
* Rated data
**ErP 2015

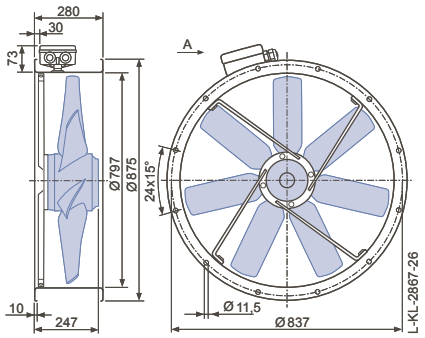
Connection diagram 1360-106XB Page 608

System components Page 524

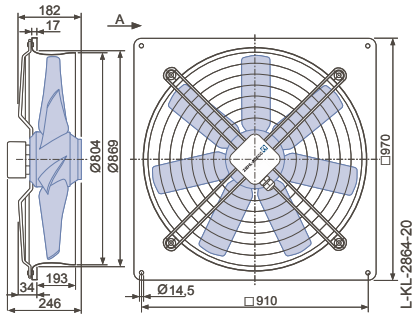
Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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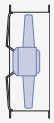
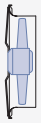
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC080-6D_.6K.A7	I	**400***	②	**2.70***	**1400***	**900***	82
		400	③	2.40	1150	920	81
	II	230	⑤	3.00	940	690	76
		230	⑥	2.60	840	750	77
	III	180	⑧	2.80	670	560	71
		180	⑨	2.60	640	630	73
	IV	140	⑪	2.40	430	430	65
		140	⑫	2.30	420	490	67

*rated data

Fan ordering information

Airflow direction A

Design	F (without guard grille)	Q
		
Type	**FC080-6DF.6K.A7**	**FC080-6DQ.6K.A7**
Article no.	**125030**	**125009**
Weight [kg]	39.10	38.60

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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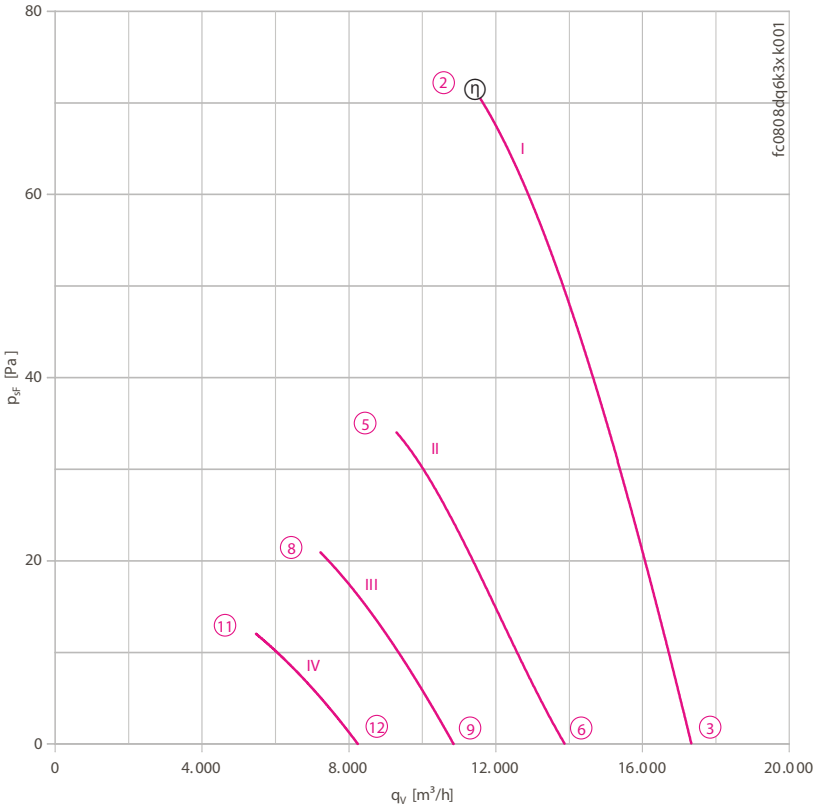
FC

for three phase alternating current, 8 pole

FC080-8D



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

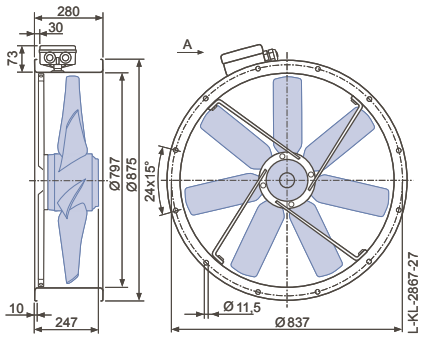
Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.69 kW***
Rated current I_N: **3.00/1.75 A***
Rated speed n_N: **670 min^{-1}***
Starting current I_A: 8.50 A / 5.00 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 65 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 33.5 %
Efficiency: N_{actual} = 40.9 / N_{target} = 40**
* Rated data
**ErP 2015

Connection diagram 1360-106XB Page 608
System components Page 524

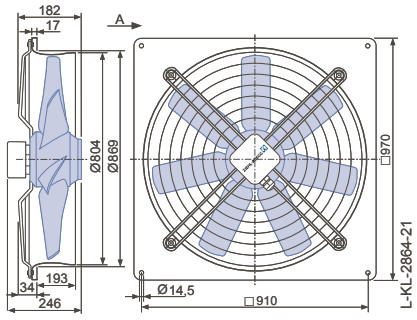
Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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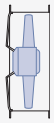
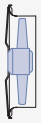
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC080-8D_.6K.A7	I	**400***	②	**1.75***	**690***	**670***	75
		400	③	1.65	590	690	75
	II	230	⑤	1.60	430	500	70
		230	⑥	1.45	390	550	71
	III	180	⑧	1.45	290	390	64
		180	⑨	1.40	280	440	66
	IV	140	⑪	1.20	180	300	
		140	⑫	1.20	180	330	

*rated data

Fan ordering information

Airflow direction A

Design	F (without guard grille)	Q
		
Type	**FC080-8DF.6K.A7**	**FC080-8DQ.6K.A7**
Article no.	**125031**	**125010**
Weight [kg]	39.10	38.60

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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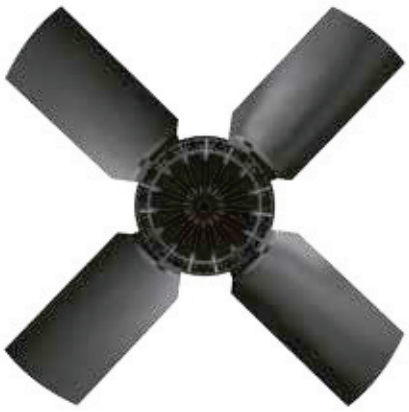
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FC

for three phase alternating current, 4-4 pole

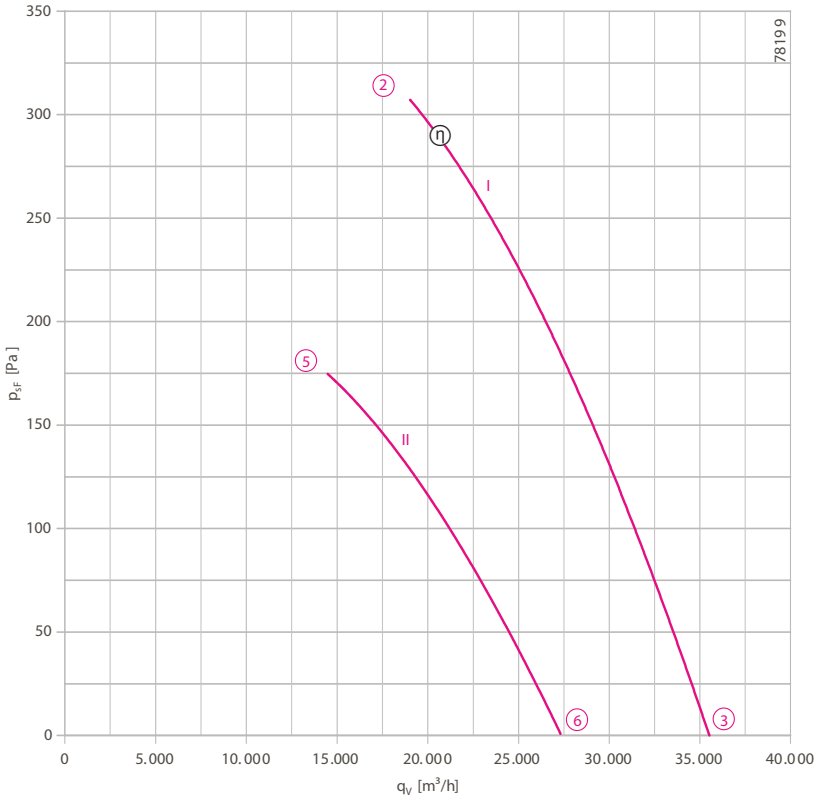
FC080-VD



Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **5.20/3.20 kW***
Rated current I_N: **8.60/5.00 A***
Rated speed n_N: **1250/ 940 min^{-1}***
Starting current I_A: 32.00 A / 10.00 A
Current increase ΔI: 5 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 65 °C
Electrical connection: Terminal box
Number of blades: 4
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2013, CE
ErP Data
Efficiency η_{statA}: 34.2 %
Efficiency: N_{actual} = 36.1 / N_{target} = 36**
* Rated data
**ErP 2013

Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

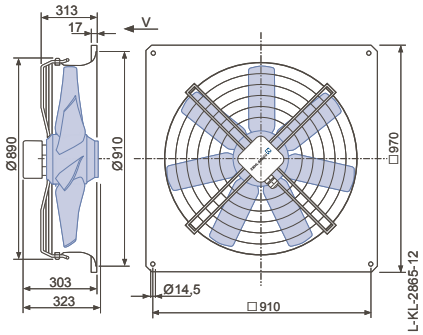
Connection diagram 1360-108XA Page 608

System components Page 524

Dimensions [mm]

Airflow direction V

Design Q - square, full bell mouth



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Performance data

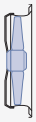
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
FC080-VD_.7Q.V4	Δ	I	**400***	②	**8.60***	**5170***	**1250***	93
			400	③	7.90	4680	1280	90
	Y	II	**400***	⑤	**5.00***	**3150***	**940***	87
			400	⑥	4.70	2970	990	84

*rated data

Fan ordering information

Airflow direction V

Design Q



Type **FC080-VDQ.7Q.V4**

Article no. **152886**

Weight [kg] 61.90

Control technology

Frequency inverter Fcontrol 3~



Page 558

Motor protection units 3~



Page 596

Transformer-based controllers 3~



Page 591

Electronic voltage controllers 3~



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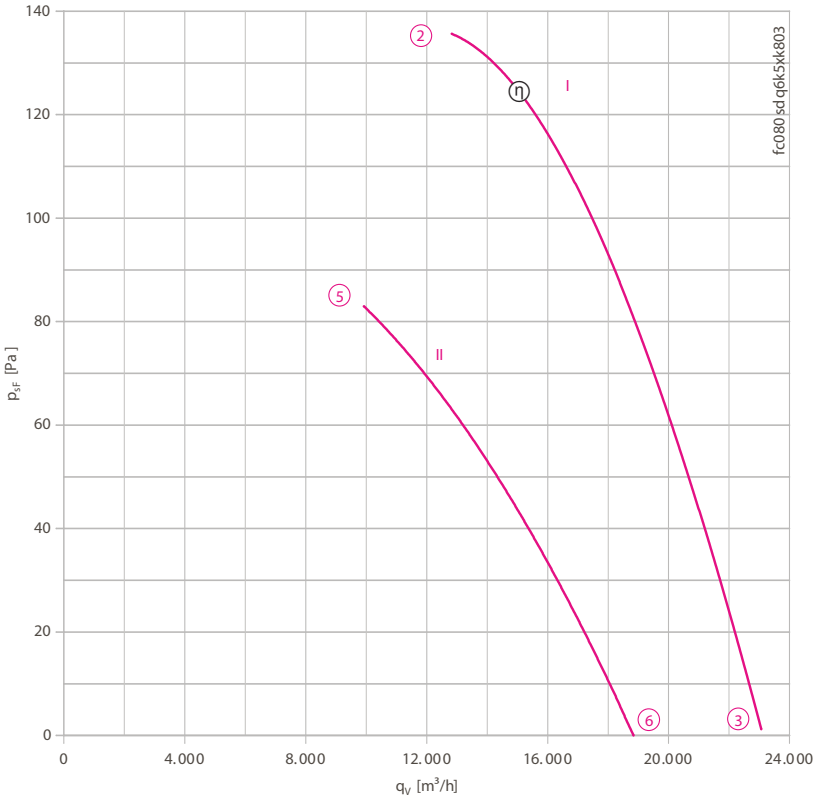
FC

for three phase alternating current, 6-6 pole

FC080-SD



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

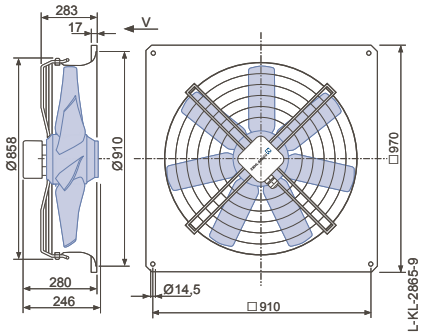
Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **1.40/0.94 kW***
Rated current I_N: **2.70/1.70 A***
Rated speed n_N: **900/ 690 min^{-1}***
Starting current I_A: 9.80 A / 3.30 A
Current increase ΔI: 10 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 38.0 %
Efficiency: N_{actual} = 43.4 / N_{target} = 40**
* Rated data
**ErP 2015

Connection diagram 1360-108XA Page 608
System components Page 524

Dimensions [mm]

Airflow direction V

Design Q - square, full bell mouth



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Performance data

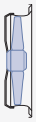
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
FC080-SD_.6K.V7	Δ	I	**400***	②	**2.70***	**1400***	**900***	82
			400	③	2.40	1150	920	81
	Y	II	**400***	⑤	**1.70***	**940***	**690***	76
			400	⑥	1.50	840	750	77

*rated data

Fan ordering information

Airflow direction V

Design Q



Type **FC080-SDQ.6K.V7**

Article no. **132888**

Weight [kg] 41.00

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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FC

for three phase alternating current, 8-8 pole

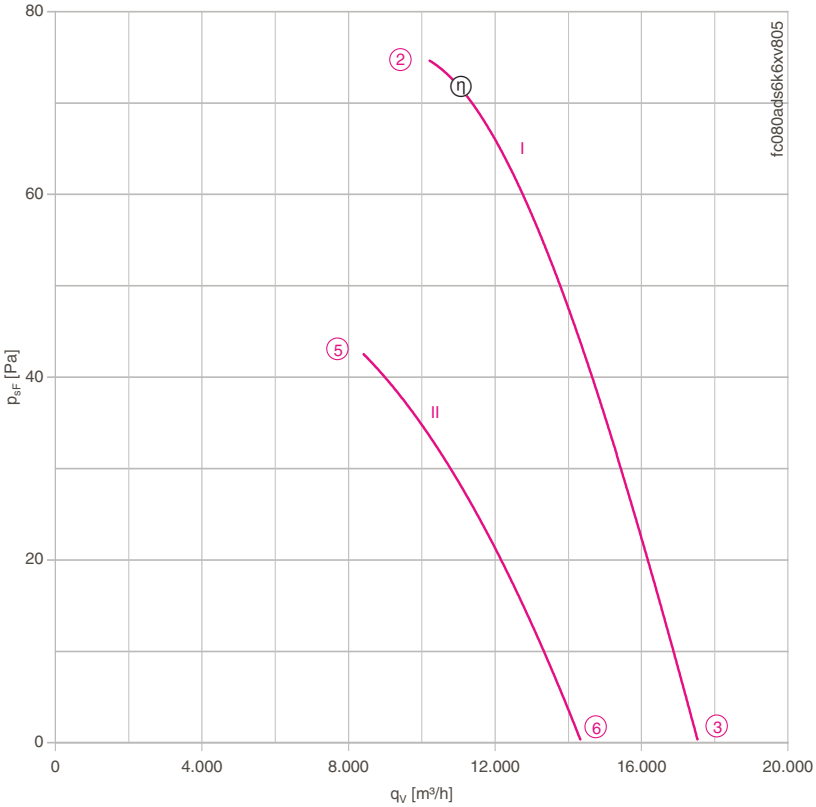
FC080-AD



Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.72/0.44 kW***
Rated current I_N: **1.80/0.90 A***
Rated speed n_N: **680/ 490 min^{-1}***
Starting current I_A: 4.10 A / 1.40 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 33.5 %
Efficiency: N_{actual} = 40.9 / N_{target} = 40**
* Rated data
**ErP 2015

Characteristic curve



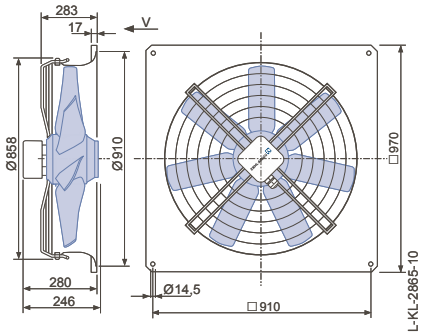
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Connection diagram 1360-108XA Page 608
System components Page 524

Dimensions [mm]

Airflow direction V

Design Q - square, full bell mouth



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Performance data

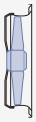
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
FC080-AD_.6K.V7	Δ	I	**400***	②	**1.80***	**720***	**680***	75
			400	③	1.70	600	700	75
	Y	II	**400***	⑤	**0.98***	**470***	**520***	70
			400	⑥	0.87	420	580	71

*rated data

Fan ordering information

Airflow direction V

Design Q



Type **FC080-ADQ.6K.V7**

Article no. **132884**

Weight [kg] 41.00

Control technology

Frequency inverter Fcontrol 3~



Page 558

Motor protection units 3~



Page 596

Transformer-based controllers 3~



Page 591

Electronic voltage controllers 3~



Page 578

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FC

for three phase alternating current, 12-12 pole

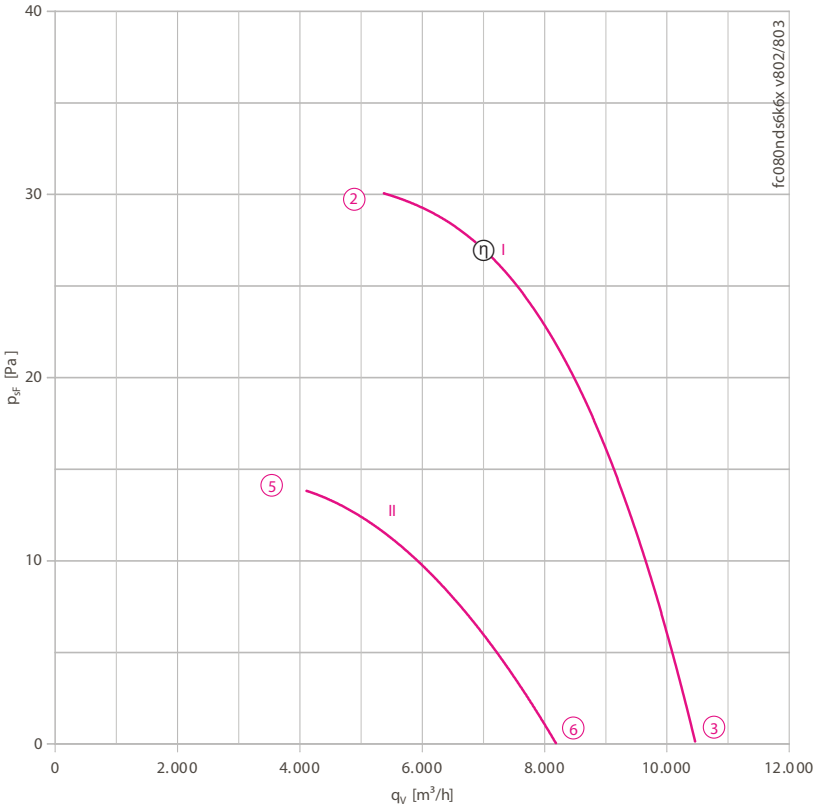
FC080-ND



Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz*** (60Hz data available)
Motor input power P_1: **0.21/0.11 kW***
Rated current I_N: **0.65/0.29 A***
Rated speed n_N: **430/ 310 min^{-1}***
Starting current I_A: 1.20 A / 0.40 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2013, CE
ErP Data
Efficiency η_{statA}: 26.3 %
Efficiency: N_{actual} = 36.9 / N_{target} = 36**
* Rated data
**ErP 2013

Characteristic curve



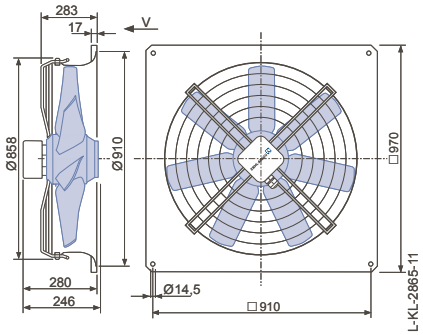
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Connection diagram 1360-108XA Page 608
System components Page 524

Dimensions [mm]

Airflow direction V

Design Q - square, full bell mouth



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Performance data

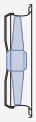
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
FC080-ND_.6K.V7	Δ	I	**400***	②	**0.65***	**210***	**430***	65
			400	③	0.62	180	440	64
	Y	II	**400***	⑤	**0.29***	**110***	**310***	58
			400	⑥	0.27	100	340	58

*rated data

Fan ordering information

Airflow direction V

Design Q



Type **FC080-NDQ.6K.V7**

Article no. **134166**

Weight [kg] 41.00

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
Page 558	Page 596	Page 591	Page 578

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FC

for three phase alternating current, 6-6 pole

FC091-SD



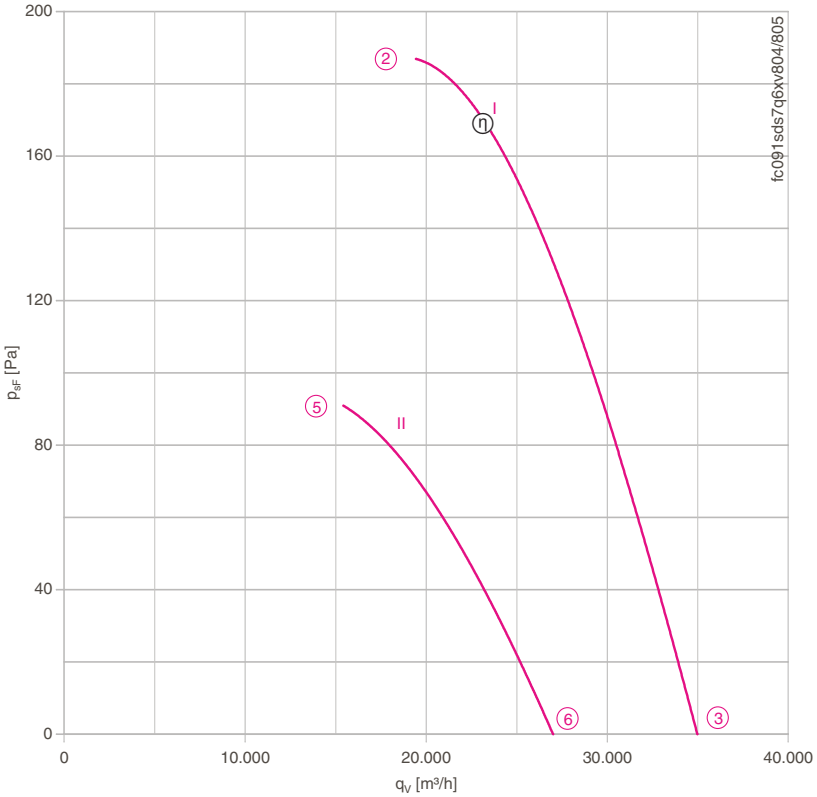
Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **3.30/1.90 kW***
Rated current I_N: **6.30/3.50 A***
Rated speed n_N: **850/ 610 min^{-1}***
Starting current I_A: 22.00 A / 6.50 A
Current increase ΔI: 10 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 40.1 %
Efficiency: N_{actual} = 43.3 / N_{target} = 40**
* Rated data
**ErP 2015

Connection diagrams Page 608
for airflow direction V 1360-108XA
for airflow direction A 1360-108XB

System components Page 524

Characteristic curve

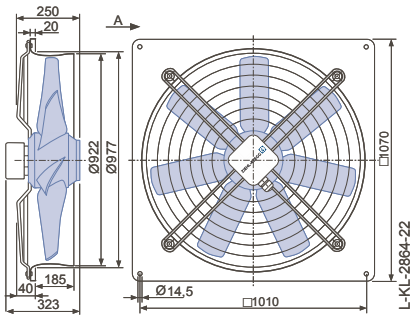


Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Dimensions [mm]

Airflow direction A

Design Q - square, full bell mouth



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Вентиляторы.ру

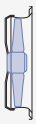
Performance data

Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
FC091-SD_.7Q._7	Δ	I	**400***	②	**6.30***	**3300***	**850***	88
			400	③	6.00	2900	890	89
	Y	II	**400***	⑤	**3.50***	**1900***	**610***	81
			400	⑥	3.20	1750	680	85

*rated data

Fan ordering information

Airflow direction A → ← **Airflow direction V**

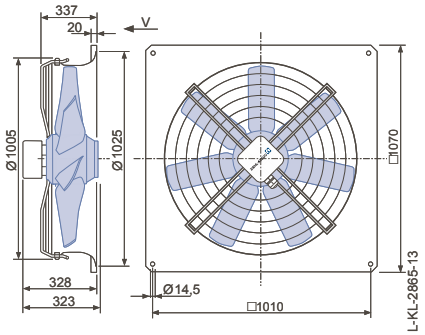
Design	Q	Q
		
Type	**FC091-SDQ.7Q.A7**	**FC091-SDQ.7Q.V7**
Article no.	**125011**	**124407**
Weight [kg]	64.90	69.40

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
Page 558	Page 596	Page 591	Page 578

Airflow direction V

Design Q - square, full bell mouth



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FC

for three phase alternating current, 8-8 pole

FC091-AD



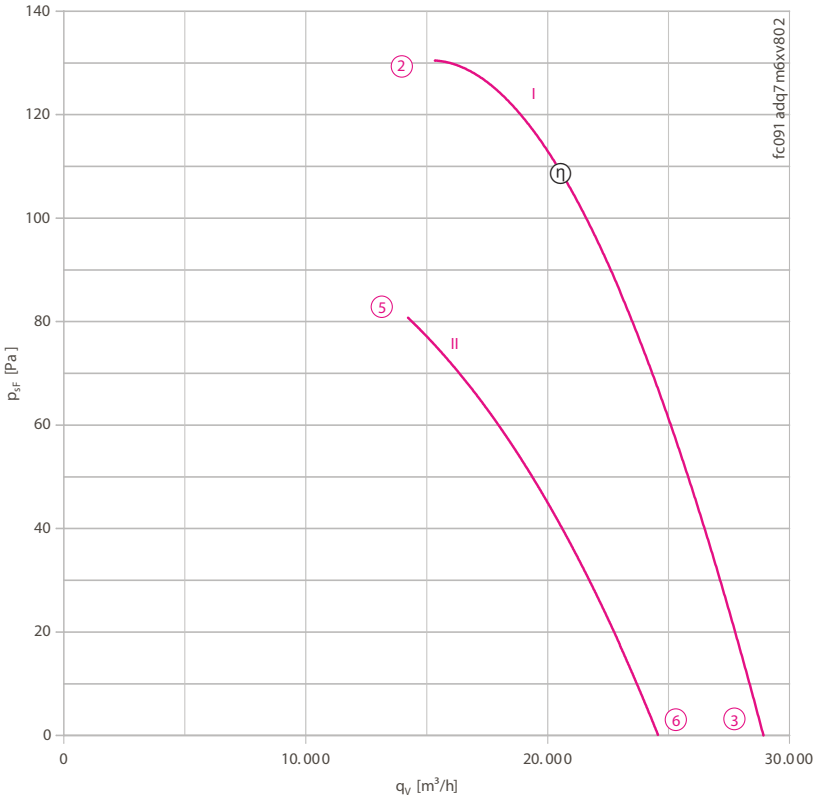
Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **1.75/1.20 kW***
Rated current I_N: **3.60/2.30 A***
Rated speed n_N: **680/ 520 min^{-1}***
Starting current I_A: 14.00 A / 4.40 A
Current increase ΔI: 10 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2013, CE
ErP Data
Efficiency η_{statA}: 33.8 %
Efficiency: N_{actual} = 38.6 / N_{target} = 36**
* Rated data
**ErP 2013

Connection diagrams Page 608
for airflow direction V 1360-108XA
for airflow direction A 1360-108XB

System components Page 524

Characteristic curve

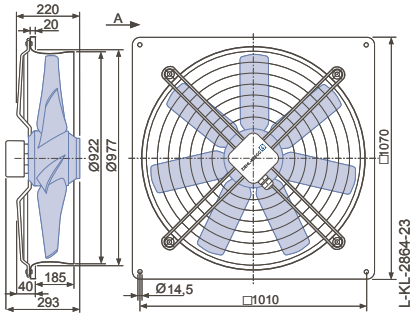


Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Dimensions [mm]

Airflow direction A

Design Q - square, full bell mouth



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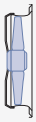
Performance data

Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
FC091-AD_.7M._7	Δ	I	**400***	②	**3.40***	**1750***	**680***	83
			400	③	3.20	1500	690	84
	Y	II	**400***	⑤	**2.30***	**1200***	**520***	77
			400	⑥	1.95	1100	580	80

*rated data

Fan ordering information

Airflow direction A → ← **Airflow direction V**

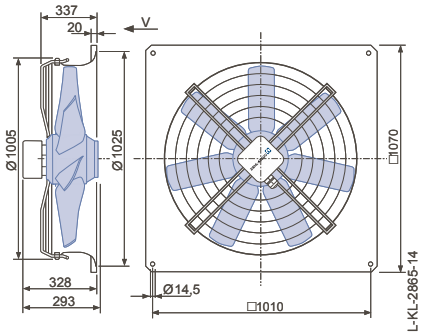
Design	Q	Q
		
Type	**FC091-ADQ.7M.A7**	**FC091-ADQ.7M.V7**
Article no.	**125012**	**120224**
Weight [kg]	58.60	63.10

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
Page 558	Page 596	Page 591	Page 578

Airflow direction V

Design Q - square, full bell mouth



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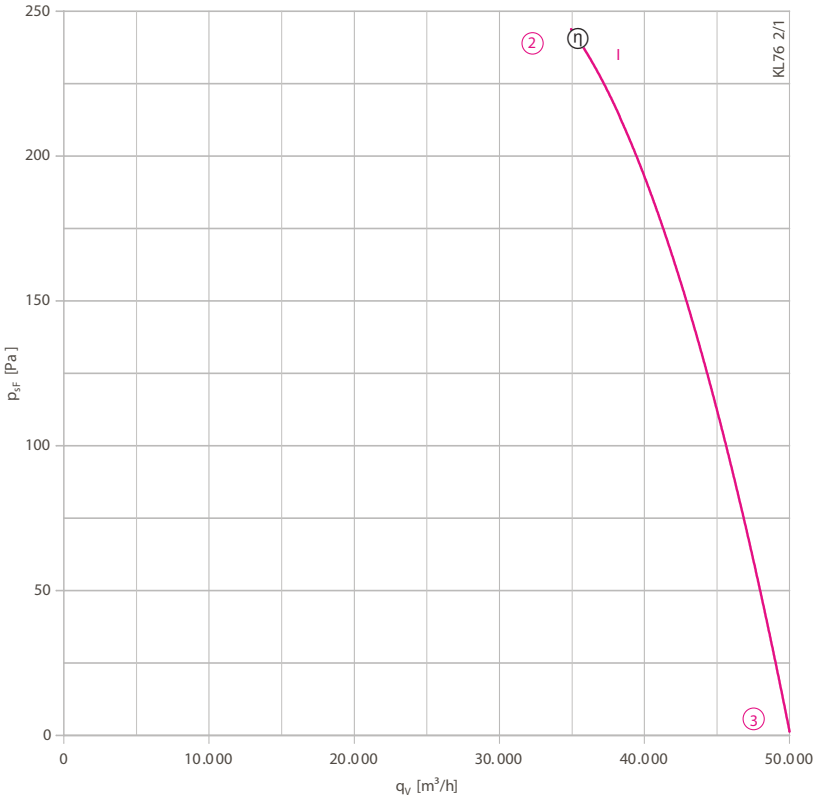
FC

for three phase alternating current, 6 pole

FC100-6D



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.
Fan not speed controllable

Description

Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **5.50 kW***
Rated current I_N: **18.00/10.50 A***
Rated speed n_N: **935 min^{-1}***
Starting current I_A: 120.00 A / 67.00 A
Current increase ΔI: - %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 38.5 %
Efficiency: N_{actual} = 40.2 / N_{target} = 40**
* Rated data
**ErP 2015

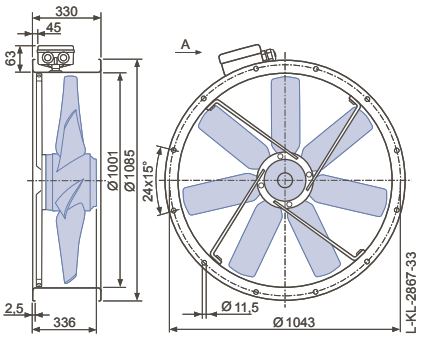
Connection diagram 1360-106XB Page 608

System components Page 524

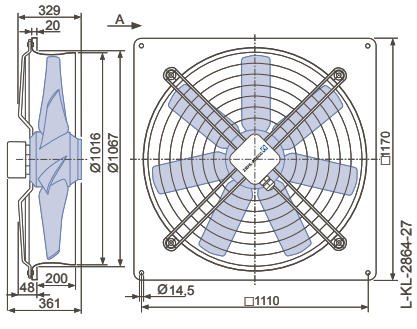
Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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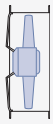
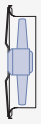
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC100-6D_.8P.A7	I	**400***	②	**10.50***	**5500***	**935***	98
		400	③	9.50	5000	945	98

*rated data

Fan ordering information

Airflow direction A

Design	F (without guard grille)	Q
		
Type	**FC100-6DF.8P.A7**	**FC100-6DQ.8P.A7**
Article no.	**125050**	**125014**
Weight [kg]	99.30	93.80

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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FC

for three phase alternating current, 6 pole

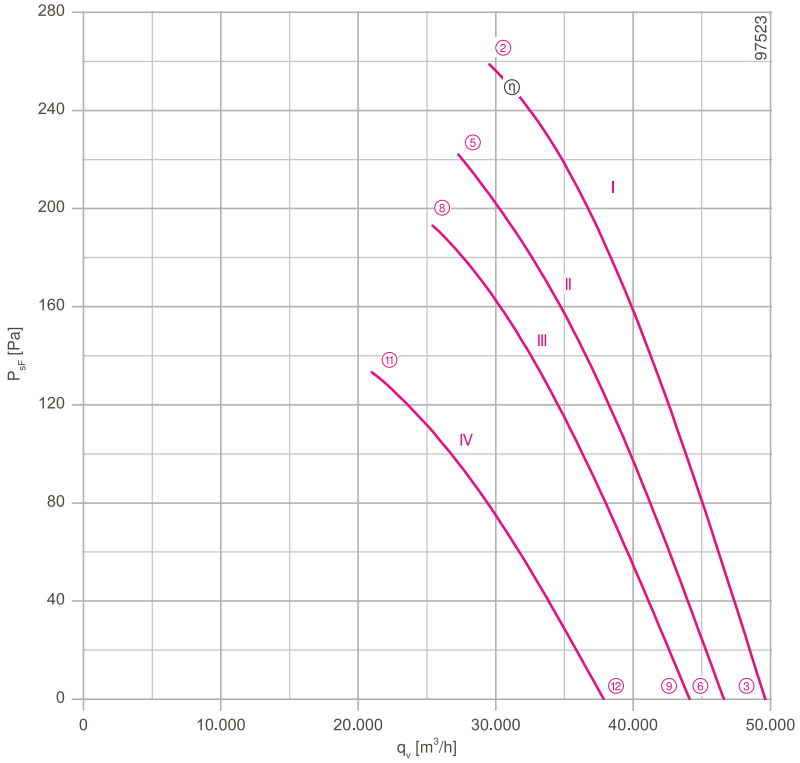
FC100-6D



Description

Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **5.00 kW***
Rated current I_N: **18.50/11.00 A***
Rated speed n_N: **970 min^{-1}***
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 5
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 44.1 %
Efficiency: N_{actual} = 46.0 / N_{target} = 40**
* Rated data
**ErP 2015

Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

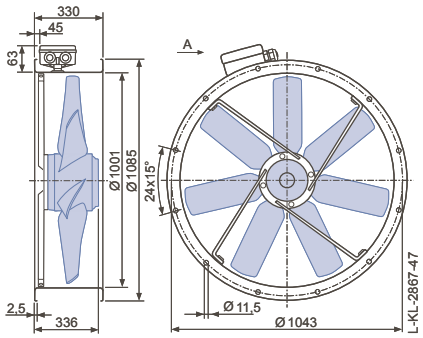
Connection diagram 1360-106XB Page 608

System components Page 524

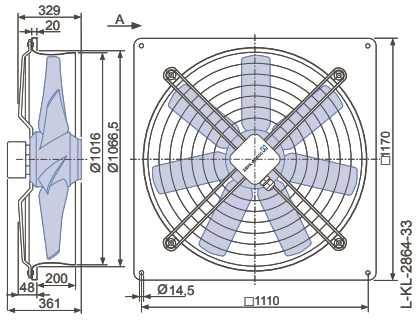
Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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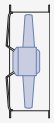
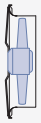
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC100-6D_.8S._5	I	**400***	②	**11.00***	**5000***	**970***	93
		400	③	10.00	4400	970	91
	II	300	⑤	11.00	4800	940	94
		300	⑥	9.80	4200	950	91
	III	230	⑧	13.00	4400	900	92
		230	⑨	11.50	3900	910	90
	IV	190	⑪	14.50	4200	840	90
		190	⑫	13.00	3700	870	89
	V	145	⑭	16.50	3400	690	86
		145	⑮	15.00	3200	740	85

*rated data

Fan ordering information

Airflow direction A

Design	F (without guard grille)	Q
		
Type	**FC100-6DF.8S.A5**	**FC100-6DQ.8S.A5**
Article no.	**160115**	**160114**
Weight [kg]	106.50	112.00

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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Вентиляторы.ру

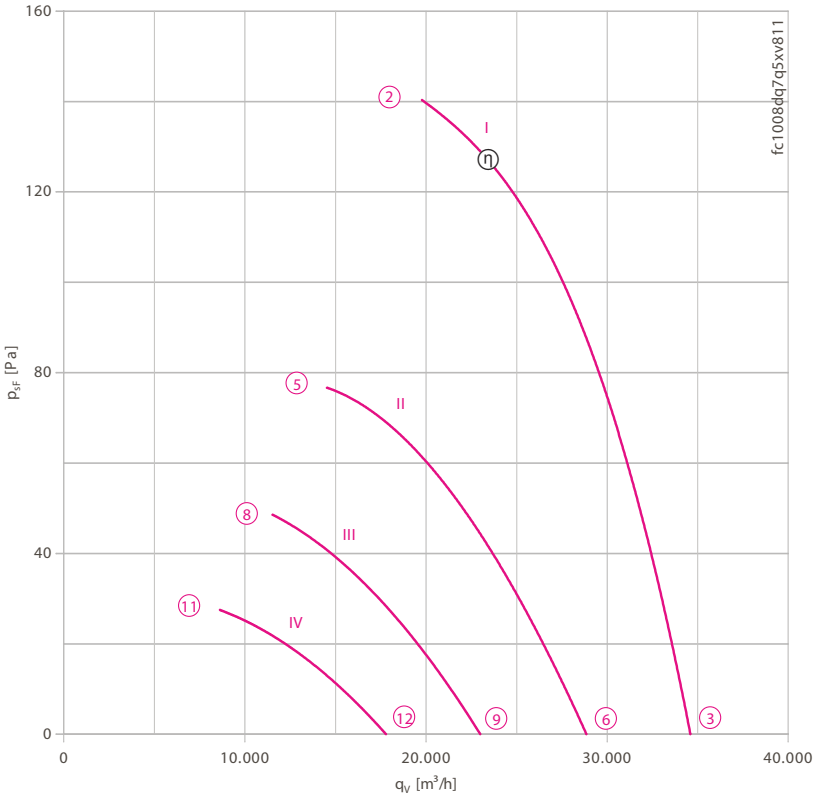
FC

for three phase alternating current, 8 pole

FC100-8D



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

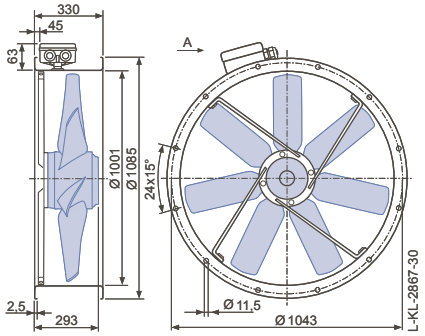
Motor technology: AC
Rated voltage U_N: **3~ 230/400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **2.20 kW***
Rated current I_N: **7.30/4.20 A***
Rated speed n_N: **670 min^{-1}***
Starting current I_A: 24.00 A / 14.00 A
Current increase ΔI: 10 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 36.5 %
Efficiency: N_{actual} = 40.7 / N_{target} = 40**
* Rated data
**ErP 2015

Connection diagram 1360-106XB Page 608
System components Page 524

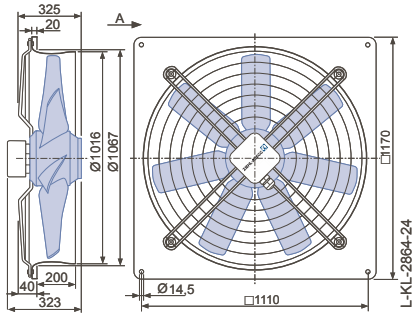
Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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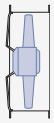
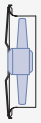
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC100-8D_.7Q.A7	I	**400***	②	**4.20***	**2200***	**670***	86
		400	③	3.80	1800	690	87
	II	230	⑤	4.70	1500	530	80
		230	⑥	4.20	1350	570	82
	III	180	⑧	3.70	930	420	74
		180	⑨	3.50	900	460	77
	IV	140	⑪	3.10	600	340	69
		140	⑫	3.00	580	370	71

*rated data

Fan ordering information

Airflow direction A

Design	F (without guard grille)	Q
		
Type	**FC100-8DF.7Q.A7**	**FC100-8DQ.7Q.A7**
Article no.	**125051**	**125015**
Weight [kg]	76.10	74.60

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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Вентиляторы.ру

FC

for three phase alternating current, 8-8 pole

FC100-AD



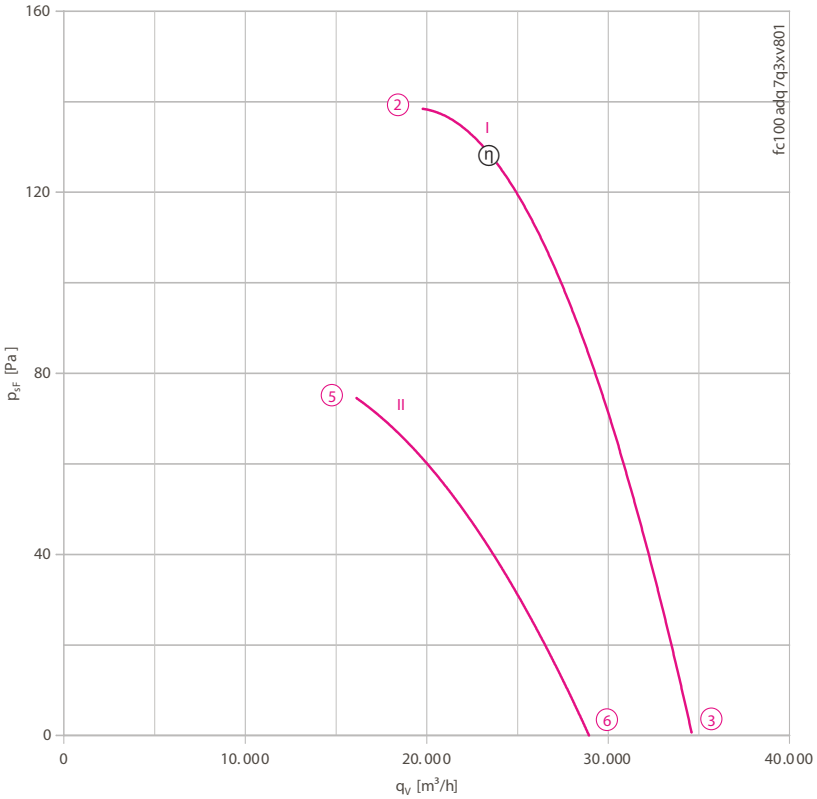
Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **2.20/1.50 kW***
Rated current I_N: **4.20/2.70 A***
Rated speed n_N: **670/530 min^{-1}***
Starting current I_A: 17.00 A / 5.00 A
Current increase ΔI: 10 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 38.2 %
Efficiency: N_{actual} = 42.4 / N_{target} = 40**
* Rated data
**ErP 2015

Connection diagrams Page 608
for airflow direction V 1360-108XA
for airflow direction A 1360-108XB

System components Page 524

Characteristic curve

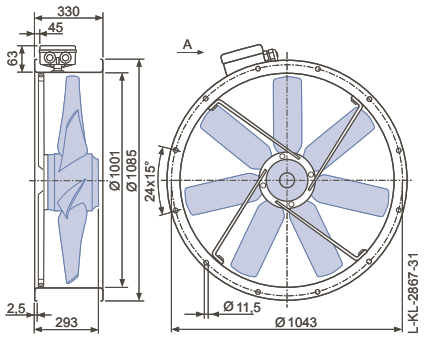


Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

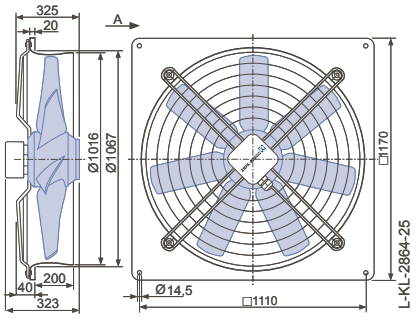
Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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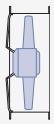
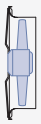
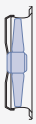
Performance data

Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
FC100-AD_.7Q._7	Δ	I	**400***	②	**4.20***	**2200***	**670***	86
			400	③	3.80	1800	690	87
	Y	II	**400***	⑤	**2.70***	**1500***	**530***	80
			400	⑥	2.40	1350	570	82

*rated data

Fan ordering information

Airflow direction A → ← **Airflow direction V**

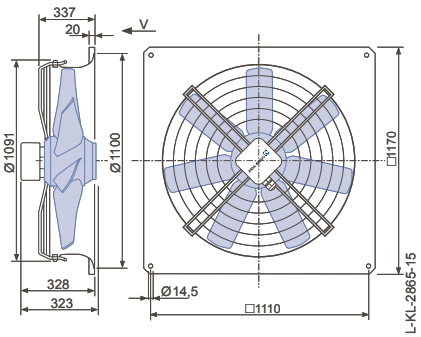
Design	F (without guard grille)	Q	Q
			
Type	**FC100-ADF.7Q.A7**	**FC100-ADQ.7Q.A7**	**FC100-ADQ.7Q.V7**
Article no.	**124449**	**125016**	**208866**
Weight [kg]	76.10	74.60	74.80

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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Airflow direction V

Design Q - square, full bell mouth



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FC

for three phase alternating current, 10-10 pole

FC100-MD



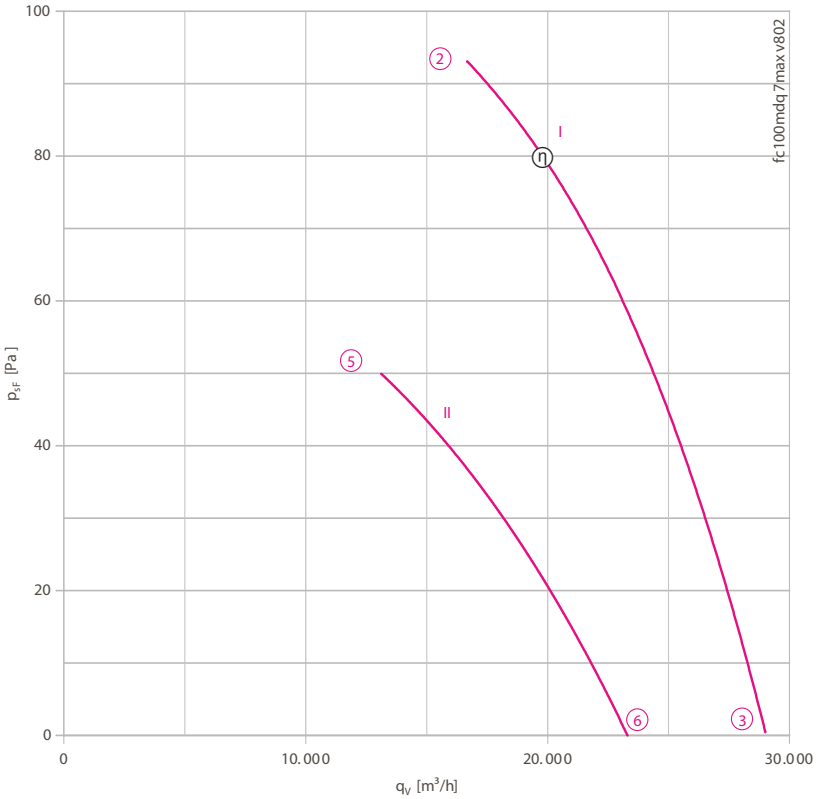
Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **1.25/0.81 kW***
Rated current I_N: **2.70/1.55 A***
Rated speed n_N: **530/ 390 min^{-1}***
Starting current I_A: 8.00 A / 2.20 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2013, CE
ErP Data
Efficiency η_{statA}: 32.0 %
Efficiency: N_{actual} = 37.8 / N_{target} = 36**
* Rated data
**ErP 2013

Connection diagrams Page 608
for airflow direction V 1360-108XA
for airflow direction A 1360-108XB

System components Page 524

Characteristic curve

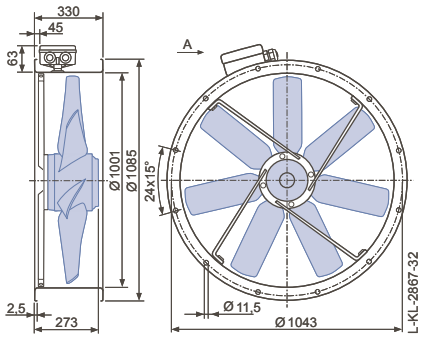


Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

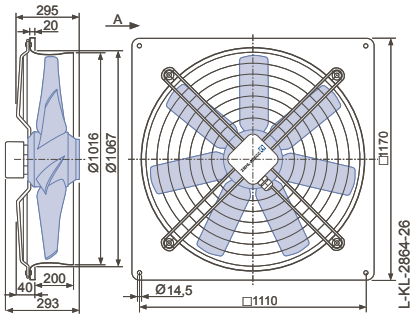
Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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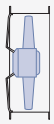
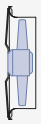
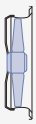
Performance data

Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC100-MD_.7M._7	Δ	I	**400***	②	**2.70***	**1250***	**530***	80
			400	③	2.50	1100	550	81
	Y	II	**400***	⑤	**1.55***	**810***	**390***	73
			400	⑥	1.40	710	440	76

*rated data

Fan ordering information

Airflow direction A → ← **Airflow direction V**

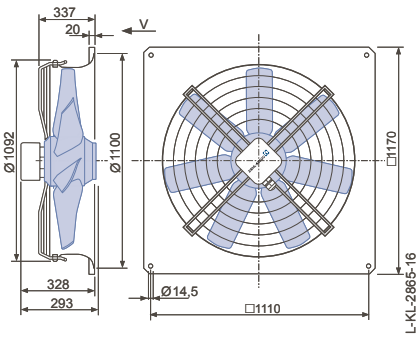
Design	F (without guard grille)	Q	Q
			
Type	**FC100-MDF.7M.A7**	**FC100-MDQ.7M.A7**	**FC100-MDQ.7M.V7**
Article no.	**132540**	**132539**	**123993**
Weight [kg]	69.10	67.60	67.90

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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Airflow direction V

Design Q - square, full bell mouth



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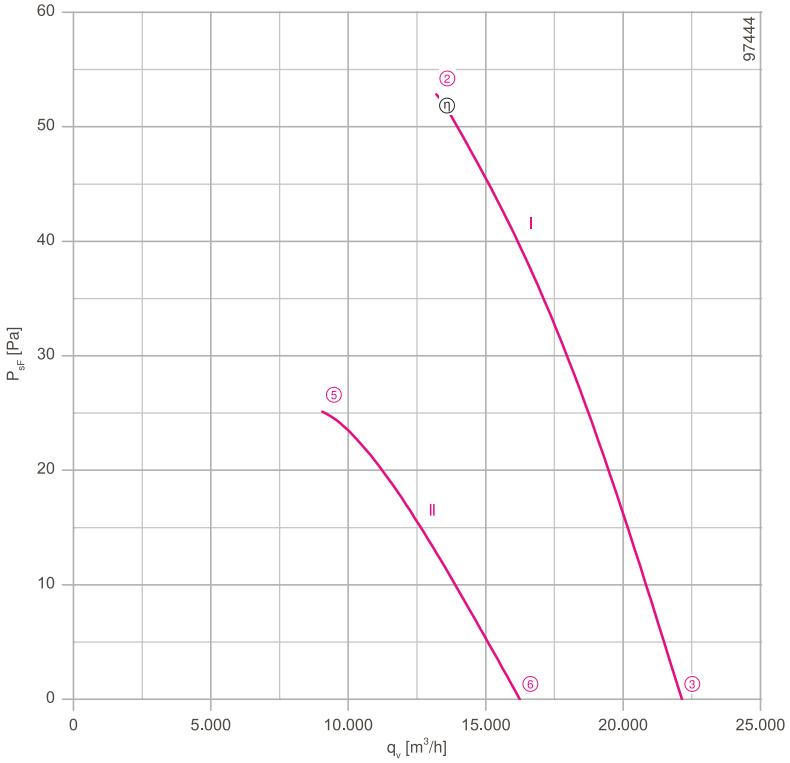
FC

for three phase alternating current, 12-12 pole

FC100-ND



Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **0.64/0.34 kW***
Rated current I_N: **1.45/0.72 A***
Rated speed n_N: **410/290 min⁻¹***
Starting current I_A: 3.00 A / 0.95 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 34.2 %
Efficiency: N_{actual} = 41.9 / N_{target} = 40**
* Rated data
**ErP 2015

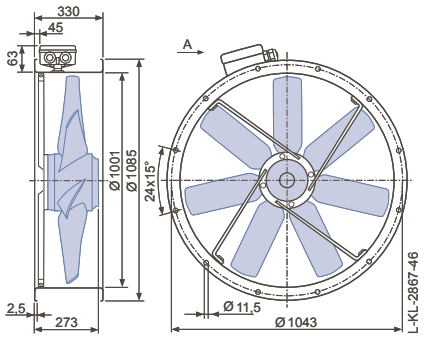
Connection diagram 1360-108XA Page 608

System components Page 524

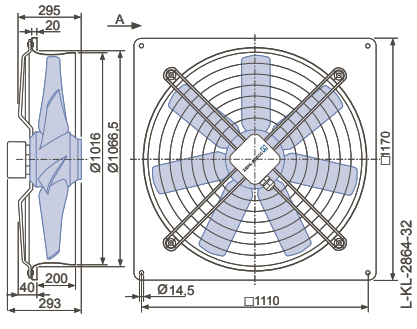
Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



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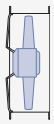
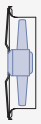
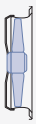
Performance data

Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC100-ND_.7M._7	Δ	I	**400***	②	**1.45***	**640***	**410***	75
			400	③	1.30	540	430	73
	Y	II	**400***	⑤	**0.72***	**340***	**290***	64
			400	⑥	0.68	320	310	65

*rated data

Fan ordering information

Airflow direction A → ← **Airflow direction V**

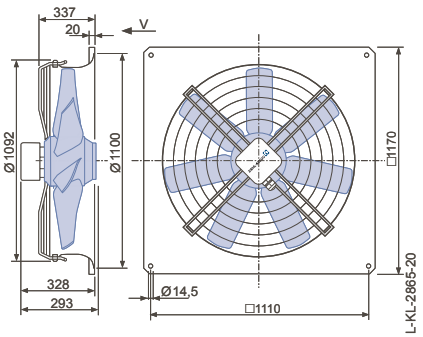
Design	F (without guard grille)	Q	Q
			
Type	**FC100-NDF.7M.A7**	**FC100-NDQ.7M.A7**	**FC100-NDQ.7M.V7**
Article no.	**160106**	**160105**	**160108**
Weight [kg]	67.60	69.10	67.90

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
Page 558	Page 596	Page 591	Page 578

Airflow direction V

Design Q - square, full bell mouth



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FC

for three phase alternating current, 8-8 pole

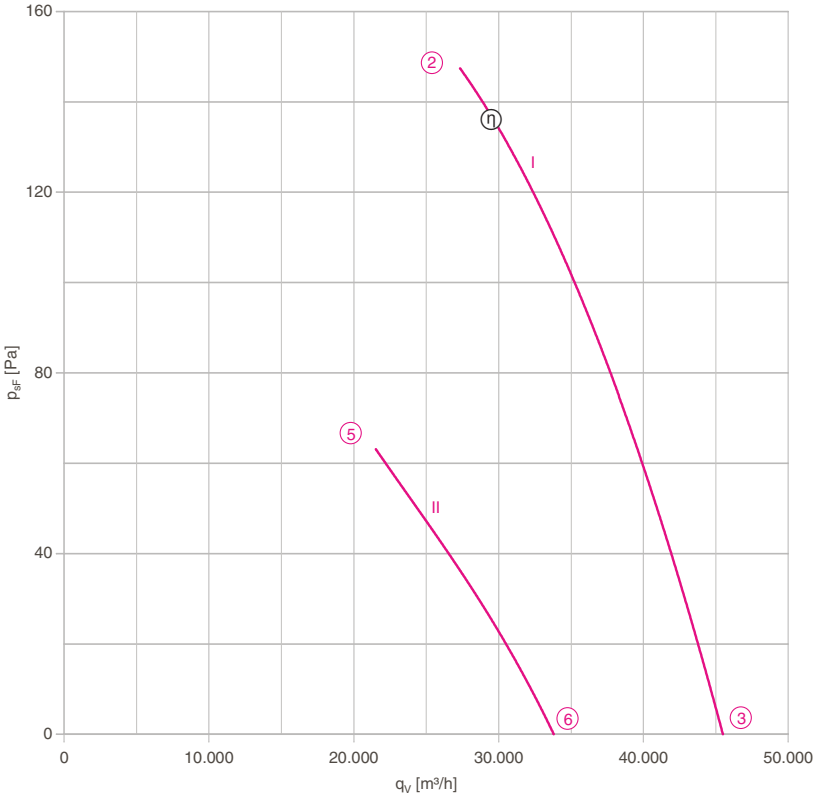
FC112-AD



Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **3.00/1.75 kW***
Rated current I_N: **5.20/2.90 A***
Rated speed n_N: **620/ 440 min^{-1}***
Starting current I_A: 17.00 A / 5.00 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 36.8 %
Efficiency: N_{actual} = 40.3 / N_{target} = 40**
* Rated data
**ErP 2015

Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

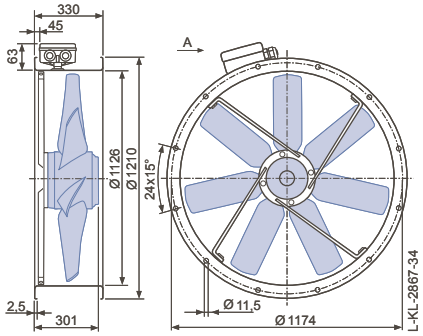
Connection diagram 1360-108XB Page 608

System components Page 524

Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges
without guard grille



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Performance data

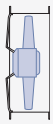
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC112-AD_.7Q.A7	Δ	I	**400***	②	**5.20***	**3050***	**620***	89
			400	③	4.50	2590	650	92
	Y	II	**400***	⑤	**2.90***	**1750***	**440***	81
			400	⑥	2.70	1620	480	86

*rated data

Fan ordering information

Airflow direction A

Design F (without guard grille)



Type **FC112-ADF.7Q.A7**

Article no. **132552**

Weight [kg] 79.70

Control technology

Frequency inverter Fcontrol 3~



Page 558

Motor protection units 3~



Page 596

Transformer-based controllers 3~



Page 591

Electronic voltage controllers 3~



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Вентиляторы.ру

FC

for three phase alternating current, 10-10 pole

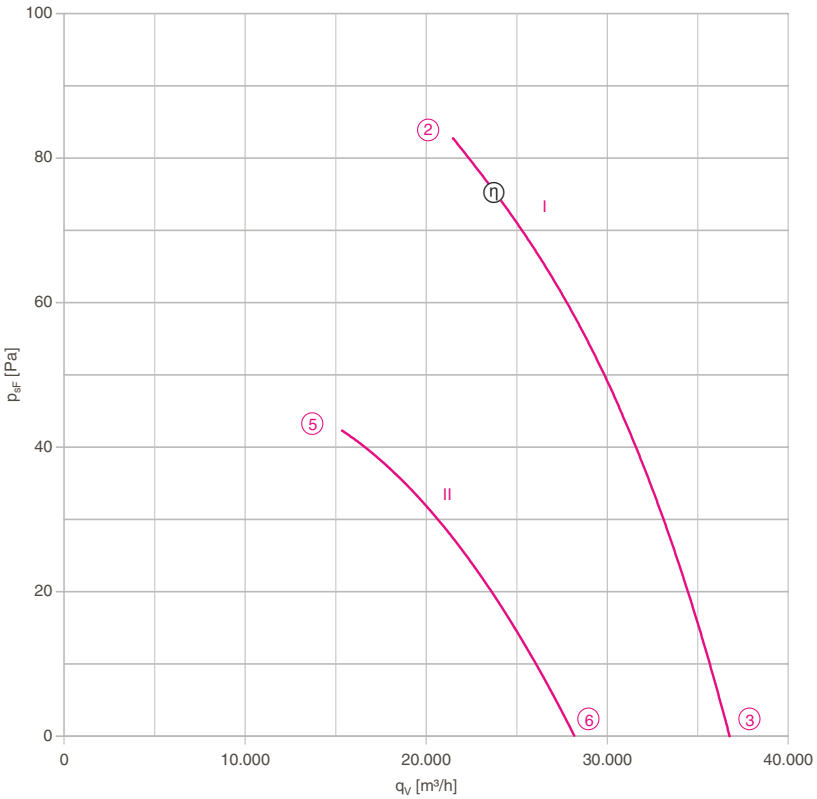
FC112-MD



Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **1.60/0.83 kW***
Rated current I_N: **3.40/1.75 A***
Rated speed n_N: **500/ 330 min^{-1}***
Starting current I_A: 10.00 A / 3.00 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 65 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2013, CE
ErP Data
Efficiency η_{statA}: 32.8 %
Efficiency: N_{actual} = 37.9 / N_{target} = 36**
* Rated data
**ErP 2013

Characteristic curve



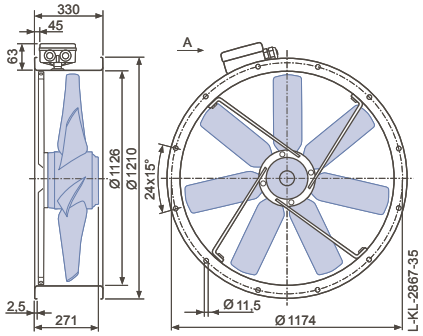
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Connection diagram 1360-108XB Page 608
System components Page 524

Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges
without guard grille



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Performance data

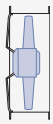
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC112-MD_.7M.A7	Δ	I	**400***	②	**3.60***	**1600***	**510***	83
			400	③	3.20	1320	530	85
	Y	II	**400***	⑤	**1.95***	**940***	**360***	75
			400	⑥	1.75	850	400	77

*rated data

Fan ordering information

Airflow direction A

Design F (without guard grille)



Type **FC112-MDF.7M.A7**

Article no. **132553**

Weight [kg] 73.30

Control technology

Frequency inverter Fcontrol 3~



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Motor protection units 3~



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Transformer-based controllers 3~



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FC

for three phase alternating current, 12-12 pole

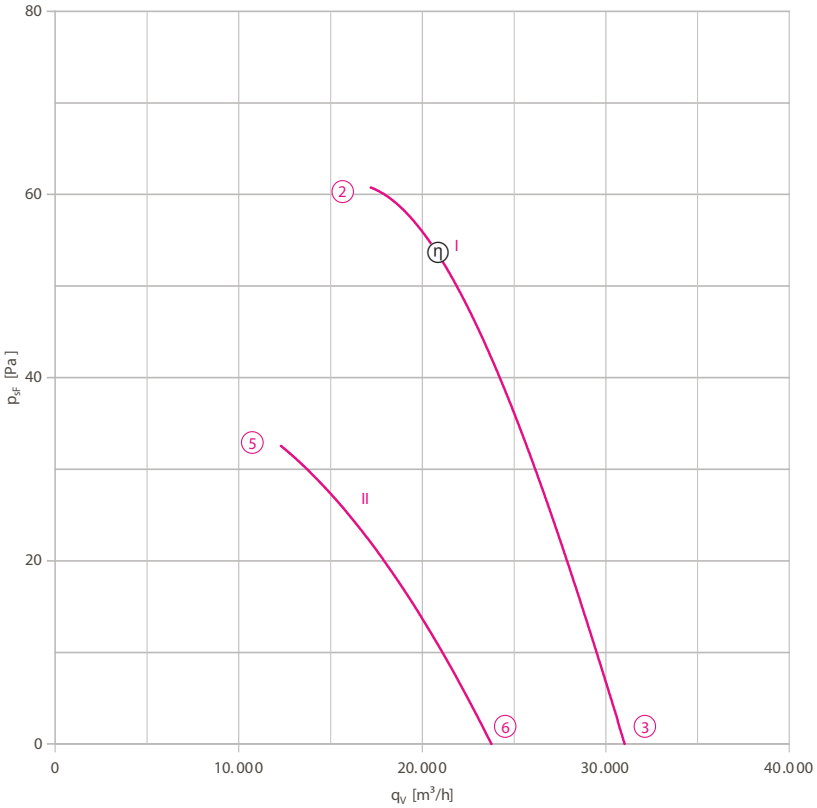
FC112-ND



Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **0.97/0.55 kW***
Rated current I_N: **2.30/1.15 A***
Rated speed n_N: **420/ 300 min^{-1}***
Starting current I_A: 5.50 A / 1.70 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2013, CE
ErP Data
Efficiency η_{statA}: 31.6 %
Efficiency: N_{actual} = 38.0 / N_{target} = 36**
* Rated data
**ErP 2013

Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

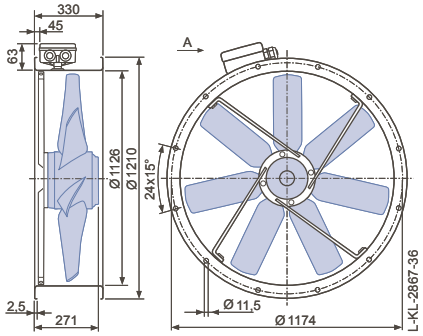
Connection diagram 1360-108XB Page 608

System components Page 524

Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges
without guard grille



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Performance data

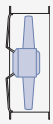
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC112-ND_.7M.A7	Δ	I	**400***	②	**2.30***	**970***	**420***	79
			400	③	2.20	810	440	82
	Y	II	**400***	⑤	**1.15***	**550***	**300***	73
			400	⑥	1.10	500	330	76

*rated data

Fan ordering information

Airflow direction A

Design F (without guard grille)



Type **FC112-NDF.7M.A7**

Article no. **132554**

Weight [kg] 73.30

Control technology

Frequency inverter Fcontrol 3~



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Motor protection units 3~



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FC

for three phase alternating current, 8-8 pole

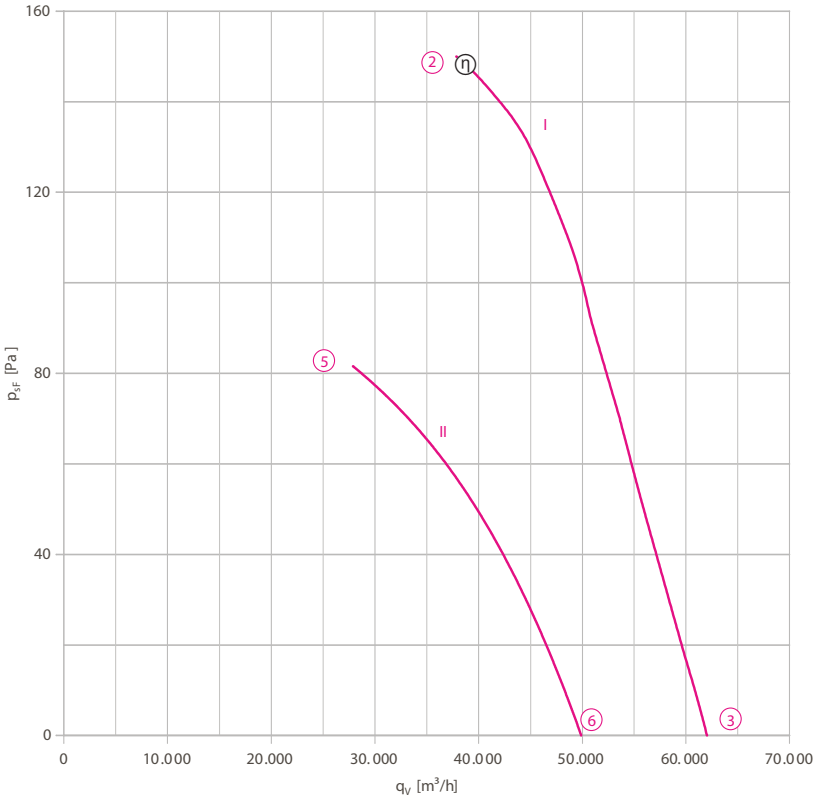
FC125-AD



Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **4.30/2.60 kW***
Rated current I_N: **9.00/4.90 A***
Rated speed n_N: **640/ 490 min^{-1}***
Starting current I_A: 30.00 A / 10.00 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 40 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 37.7 %
Efficiency: N_{actual} = 40.0 / N_{target} = 40**
* Rated data
**ErP 2015

Characteristic curve



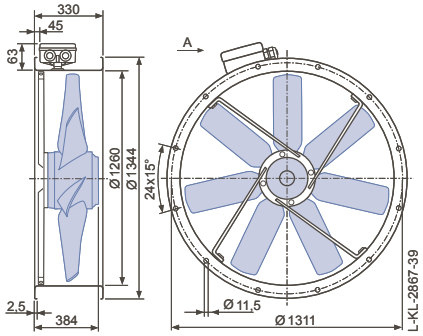
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Connection diagram 1360-108XB Page 608
System components Page 524

Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges without guard grille



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Performance data

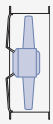
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
FC125-AD_.8S.A7	Δ	I	**400***	②	**9.00***	**4300***	**640***	96
			400	③	8.10	3600	660	92
	Y	II	**400***	⑤	**4.90***	**2600***	**490***	88
			400	⑥	4.50	2300	530	85

*rated data

Fan ordering information

Airflow direction A

Design F (without guard grille)



Type **FC125-ADF.8S.A7**

Article no. **125053**

Weight [kg] 123.40

Control technology

Frequency inverter Fcontrol 3~



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Motor protection units 3~



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FC

for three phase alternating current, 10-10 pole

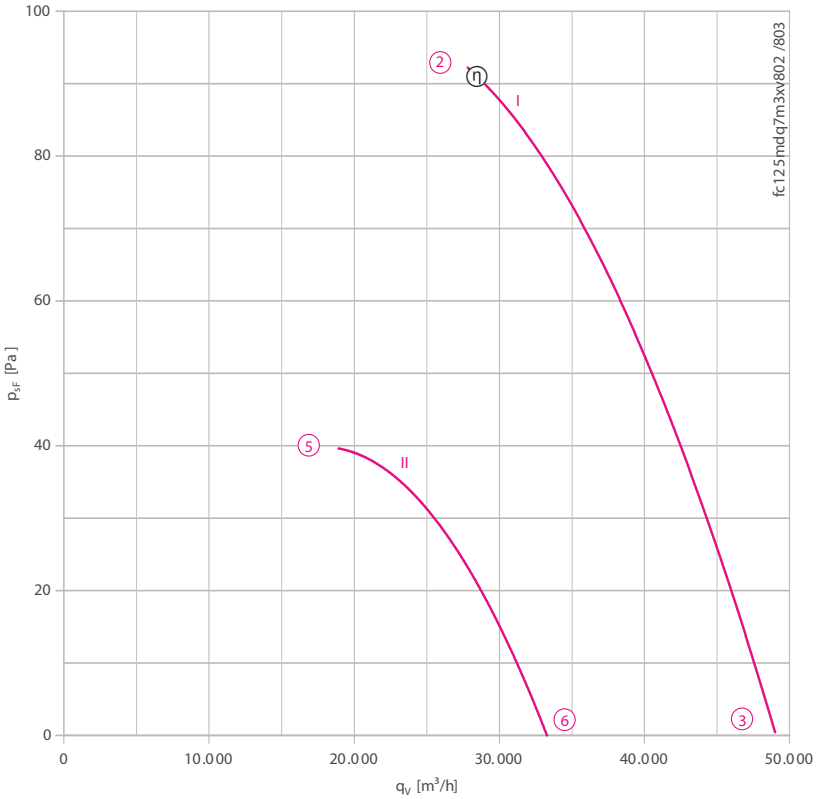
FC125-MD



Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **2.20/1.20 kW***
Rated current I_N: **4.50/2.50 A***
Rated speed n_N: **500/ 330 min^{-1}***
Starting current I_A: 14.00 A / 4.00 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA}: 35.8 %
Efficiency: N_{actual} = 40.0 / N_{target} = 40**
* Rated data
**ErP 2015

Characteristic curve



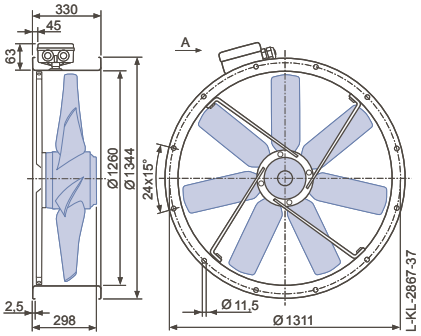
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

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Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges
without guard grille



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Performance data

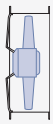
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [dB]
FC125-MD_.7Q.A7	Δ	I	**400***	②	**4.50***	**2200***	**500***	90
			400	③	4.20	1800	520	90
	Y	II	**400***	⑤	**2.50***	**1200***	**330***	78
			400	⑥	2.30	1100	370	80

*rated data

Fan ordering information

Airflow direction A

Design	F (without guard grille)



Type	**FC125-MDF.7Q.A7**
Article no.	**125054**
Weight [kg]	85.50

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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FC

for three phase alternating current, 12-12 pole

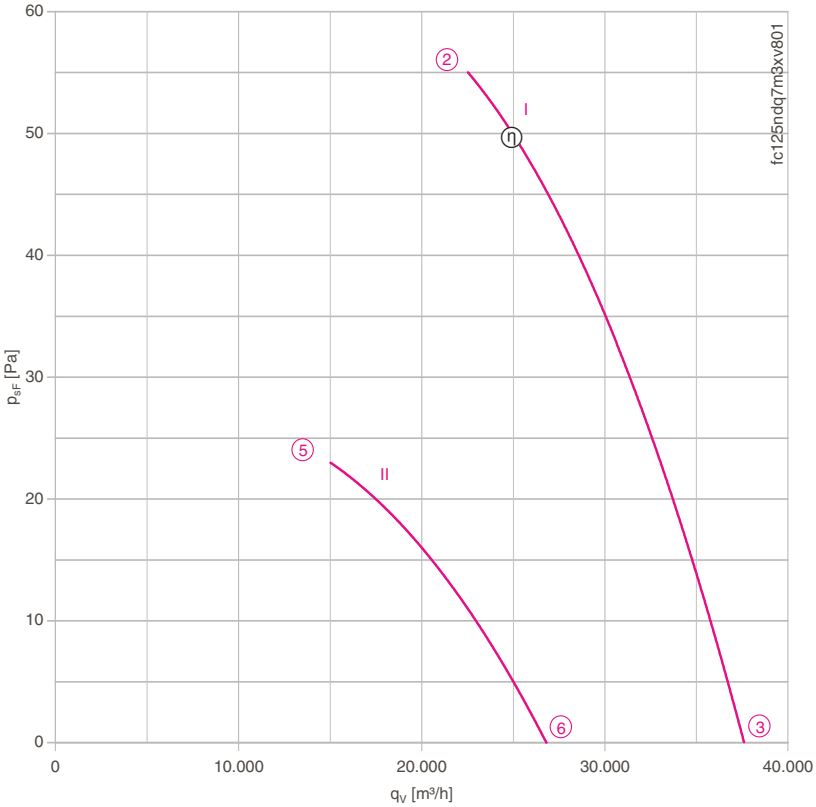
FC125-ND



Description

Motor technology: AC
Rated voltage U_N: **3~ 400 V (Δ/Y) ±10 %***
Rated frequency f_N: **50 Hz***
Motor input power P_1: **1.15/0.56 kW***
Rated current I_N: **2.60/1.20 A***
Rated speed n_N: **380/ 250 min^{-1}***
Starting current I_A: 5.50 A / 1.70 A
Current increase ΔI: 0 %
Thermal class: **THCL155***
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminium, 1 coat paint, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2013, CE
ErP Data
Efficiency η_{statA}: 31.1 %
Efficiency: N_{actual} = 37.0 / N_{target} = 36**
* Rated data
**ErP 2013

Characteristic curve



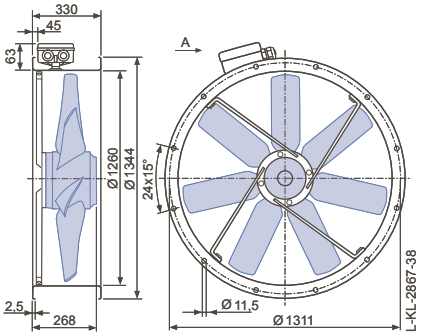
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Connection diagram 1360-108XB Page 608
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Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges
without guard grille



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Performance data

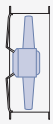
Type	Connection	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
FC125-ND_.7M.A7	Δ	I	**400***	②	**2.60***	**1150***	**380***	83
			400	③	2.50	1100	400	82
	Y	II	**400***	⑤	**1.20***	**560***	**250***	71
			400	⑥	1.40	520	290	74

*rated data

Fan ordering information

Airflow direction A

Design F (without guard grille)



Type **FC125-NDF.7M.A7**

Article no. **125055**

Weight [kg] 79.00

Control technology

Frequency inverter Fcontrol 3~



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