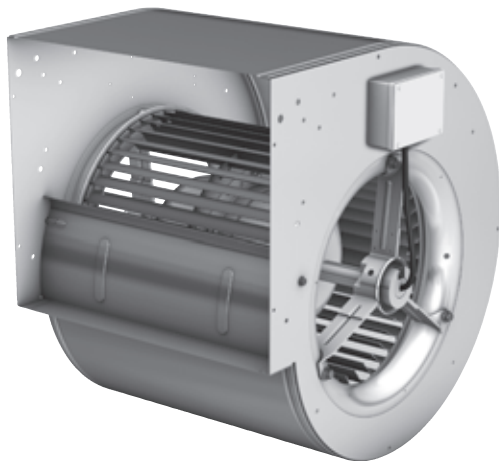


The best fan for your application!

DDM range – direct driven fans

Direct driven centrifugal fans of DDM range with forward curved impeller directly mounted on the external rotor motor are the ideal solution for your applications in the HVAC business.

The fact of manufacturing by ourselves each fan component – the casing, the impeller and motor – enables us to create fans that perfectly meet the requirements of high performances and low power consumptions.

The wide range of different versions and motor types allows you to find the fan exactly matching what you really need.

You anyway get the generally recognized advantages of the direct drive technology :

- **Maintenance free**
- **No transmission losses**
- **Long fan life time**
- **High reliability**
- **Low operating costs**

And, more, all the additional product advantages of the DDM range are at your fingertips.

Compact casing

Aerodynamically optimized in terms of both airflow and design, scrolls are made of galvanized steel and automatically assembled using an innovative procedure, providing a sturdy and long-lasting product.

- **without welding points for no corrosion troubles**
- **high precision manufacturing process for high quality product**

Real forward curved impeller

The impeller has been optimized for the best efficiency, match to the special motor features.

We manufacture the high performance impellers through a highly – automated and innovative production process.

- **low noise level**
- **low power consumption**

Optimized external rotor motor

The fan impeller is directly mounted on the motor thus providing efficient motor cooling by the fan airflow.

Motor speed can be adjusted either by the use of transformers and TRIAC regulators. Motors are generally fitted with thermal protector for protection against overheating.

- **high reliability and efficiency**
- **wide range of operative conditions**

Vibration isolation

The vibration isolation pads of the motor shaft ensures a very low noise during fan operation and no transmission of noise and vibrations to the other parts of the fan, making installation more quiet and comfortable.

- **low noise level**
- **no noise and vibrations transmitted to the surrounding structures**

Easy electrical connection

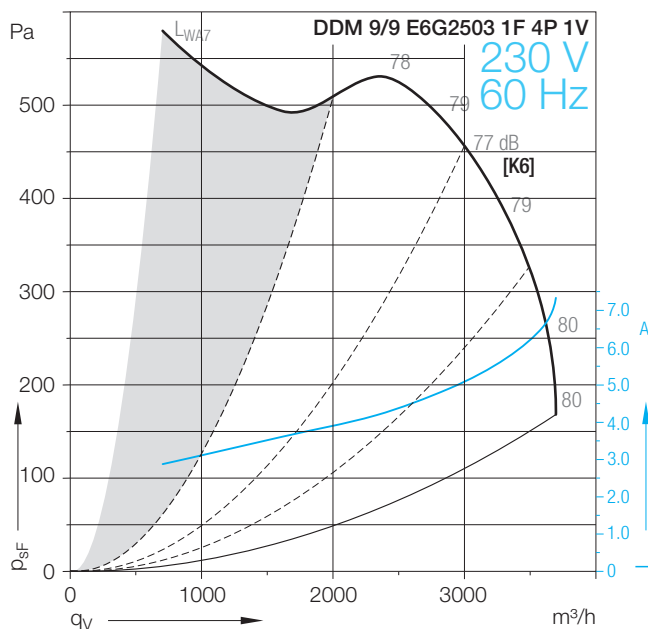
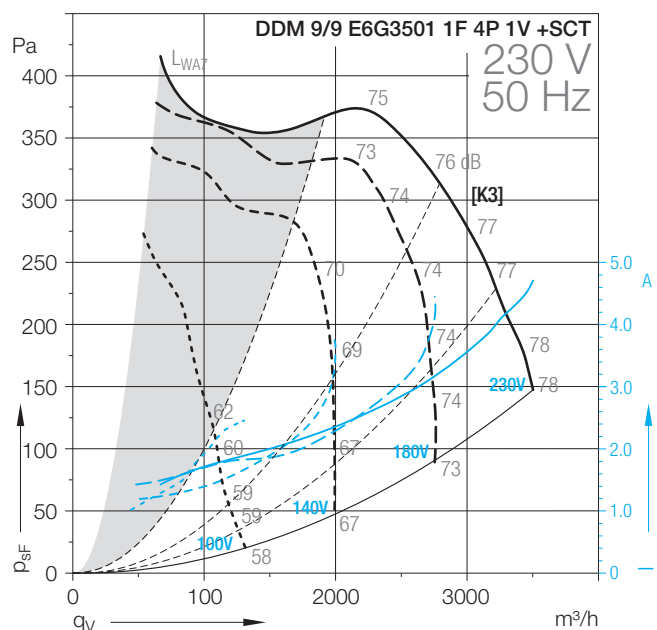
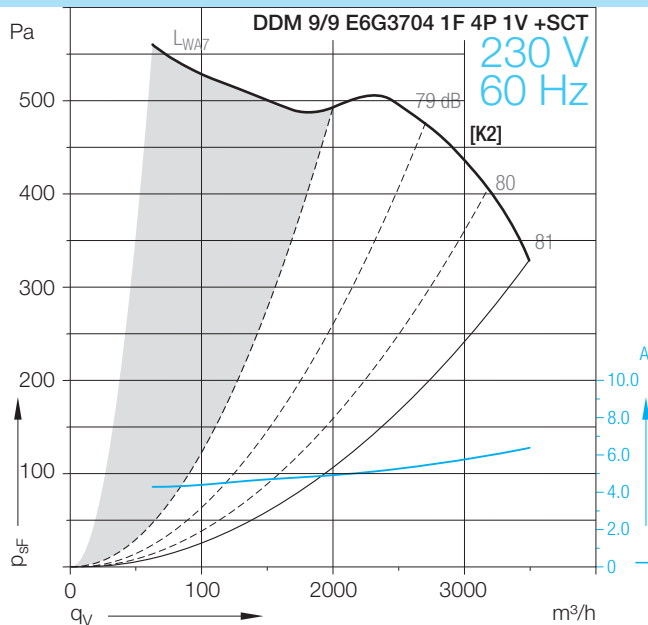
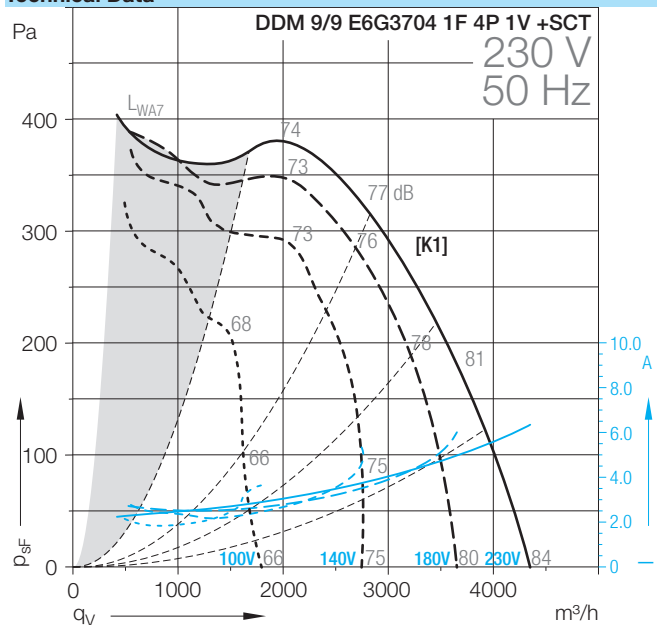
All fans could be provided with connection box, terminal block or loose cable.

A wiring diagram sticker, placed on each fan, describes the correct electrical connection.

- **fast and easy wiring**
- **safe operation**

DDM-9/9

Technical Data



DDM-9/9

Technical Data

	Speed control	Curves	Nominal motor power W	Poles —	Phases	Connection	Mains frequency Hz	Max. power consumption W	Max. current consumption A	Speed 1/min
DDM 9/9										
E6G3704 1F 4P 1V +SCT	(2)	[K1/K2]	600	4	1~		50/60	1480	6.3	1380
E6G3501 1F 4P 1V +SCT	(2)	[K3]	550	4	1~		50	1107	4.6	1290
E6G2503 1F 4P 1V	(2)	[K5/K6]	550	4	1~		50/60	1611	6.8	1400

Technical Data

	Operating Capacitor μF	Nominal capacitor voltage V	Motor protection class	Motor thermal class	Thermal protection	Media Temperature max. °C	Fan weight kg	Density of media kg/m³	Installation type (ISO 5801)	Article number
DDM 9/9										
E6G3704 1F 4P 1V +SCT	25	450	IP55	F	EXT	40	17	1.2	B	6M020Z
E6G3501 1F 4P 1V +SCT	12.5	450	IP55	F	EXT	40	17	1.2	B	6M02H5
E6G2503 1F 4P 1V	20	450	IP10	F	EXT	40	17	1.2	B	6M02R8

(1) = Speed controllable via Transformer

(2) = Speed controllable via TRIAC or Transformer

(3) = Speed controllable via Inverter

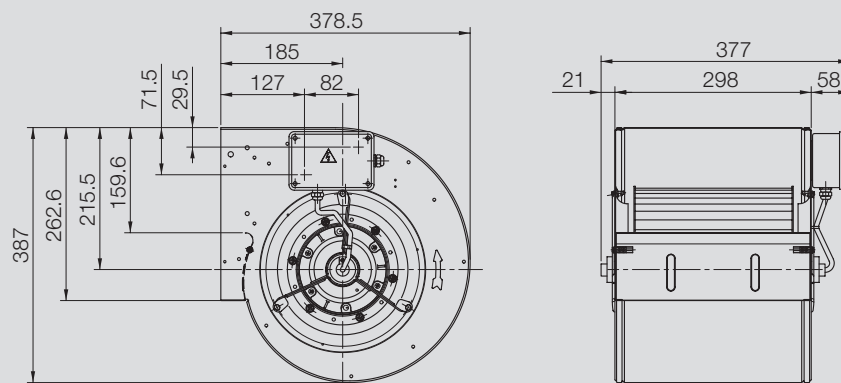
* = No speed control available

[HI] High speed, [ME] Medium speed, [LO] Low speed

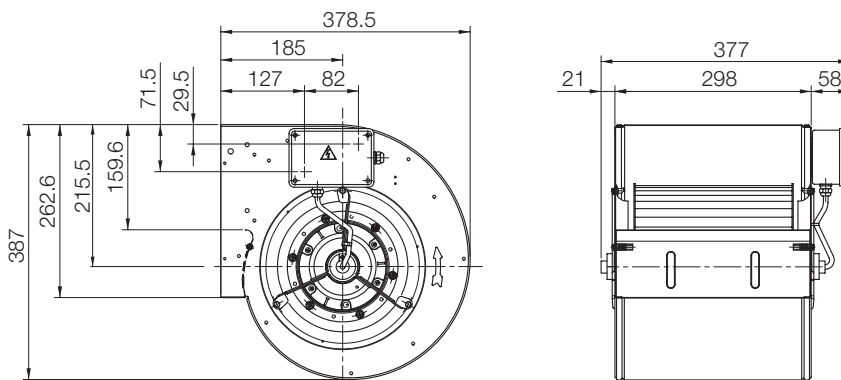
Attention! We suggest to do not use the fan in the grey marked area! The noise ratings given in the performance curves are sound power level L_{WA7} , see „Technical Description“.

Dimensions in mm, subject to change.

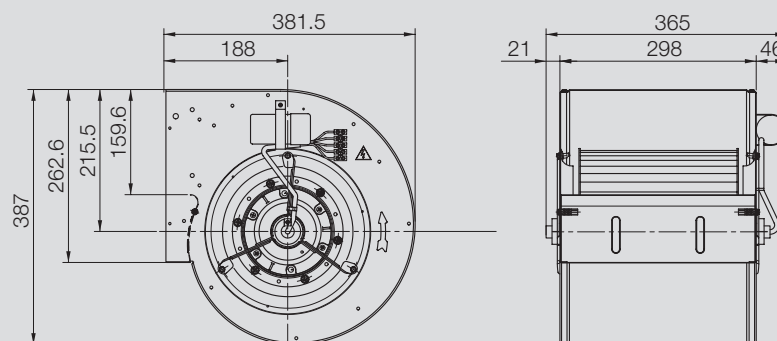
DDM 9/9 E6G3704 1F 4P 1V +SCT



DDM 9/9 E6G3501 1F 4P 1V +SCT

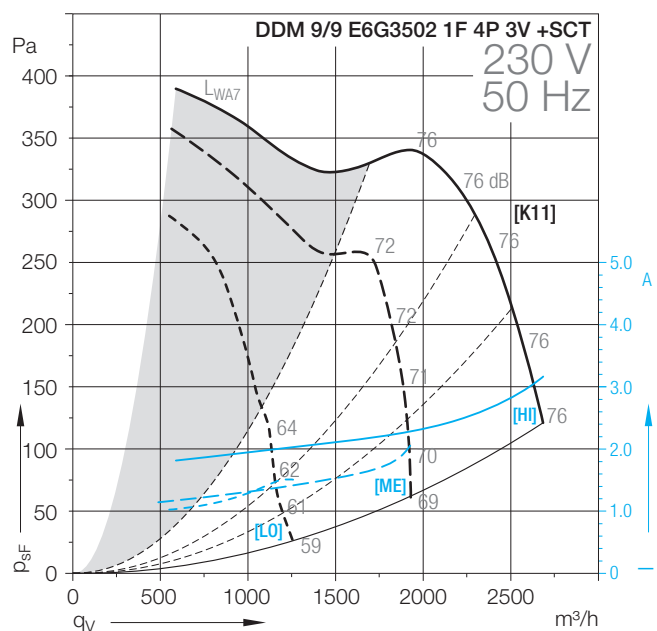
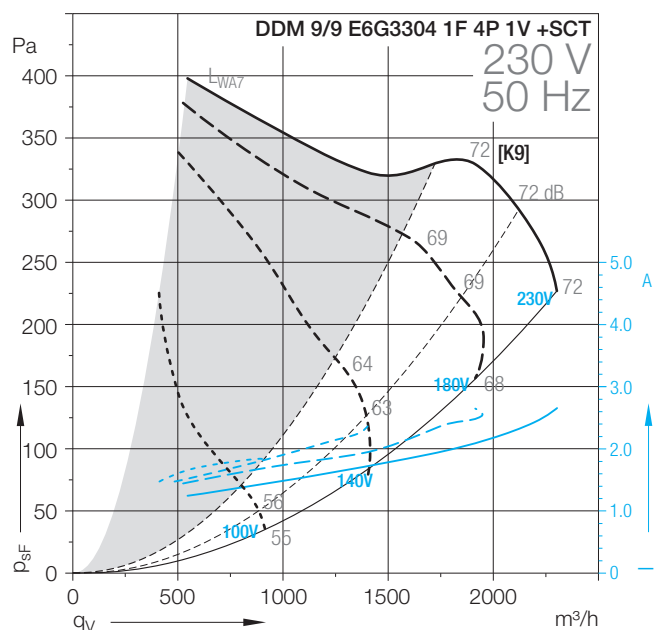
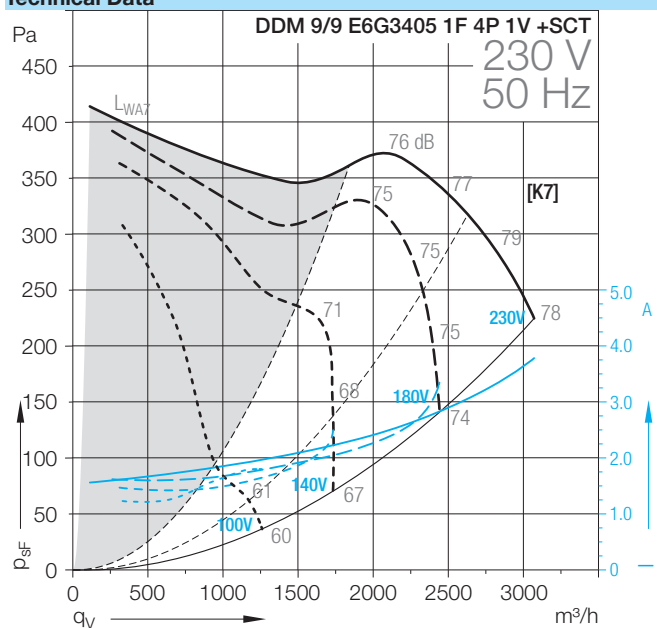


DDM 9/9 E6G2503 1F 4P 1V +SCT



DDM-9/9

Technical Data



DDM-9/9

Technical Data

	Speed control	Curves	Nominal motor power	Poles	Phases	Connection	Mains frequency	Max. power consumption	Max. current consumption	Speed
DDM 9/9			W	—			Hz	W	A	1/min
E6G3405 1F 4P 1V +SCT	(2)	[K7]	420	4	1~		50	920	3.6	1320
E6G3304 1F 4P 1V +SCT	(2)	[K9]	300	4	1~		50	354	2.5	1260
E6G3502 1F 4P 3V +SCT	*	[K11]	350	4	1~		50	734	3	1250

Technical Data

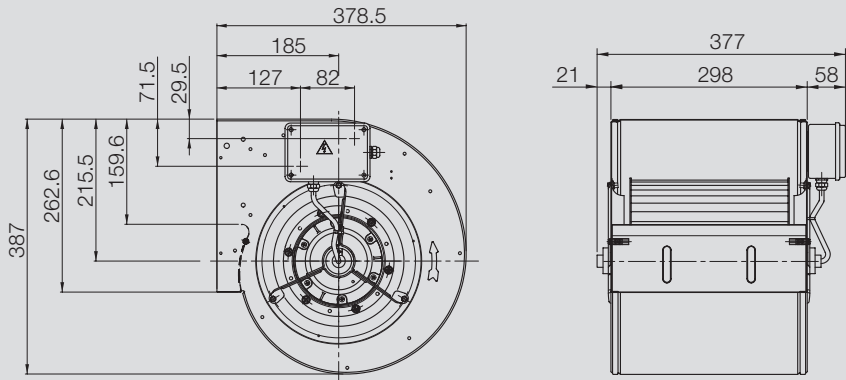
	Operating Capacitor	Nominal capacitor voltage	Motor protection class	Motor thermal class	Thermal protection	Media Temperature max.	Fan weight	Density of media	Installation type (ISO 5801)	Article number
DDM 9/9	µF	V				°C	kg	kg/m³		
E6G3405 1F 4P 1V +SCT	16	450	IP55	F	EXT	40	17	1.2	B	6M02XN
E6G3304 1F 4P 1V +SCT	10	450	IP55	F	EXT	40	16	1.2	B	6M02K1
E6G3502 1F 4P 3V +SCT	12.5	450	IP55	F	EXT	40	16	1.2	B	6M02W0

- (1) = Speed controllable via Transformer
(2) = Speed controllable via TRIAC or Transformer
(3) = Speed controllable via Inverter
* = No speed control available

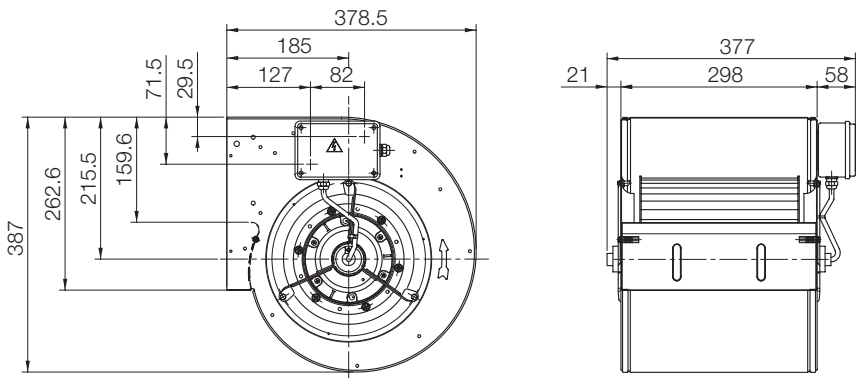
[HI] High speed, [ME] Medium speed, [LO] Low speed
Attention! We suggest to do not use the fan in the grey marked area! The noise ratings given in the performance curves are sound power level L_{WA7} , see „Technical Description“.

Dimensions in mm, subject to change.

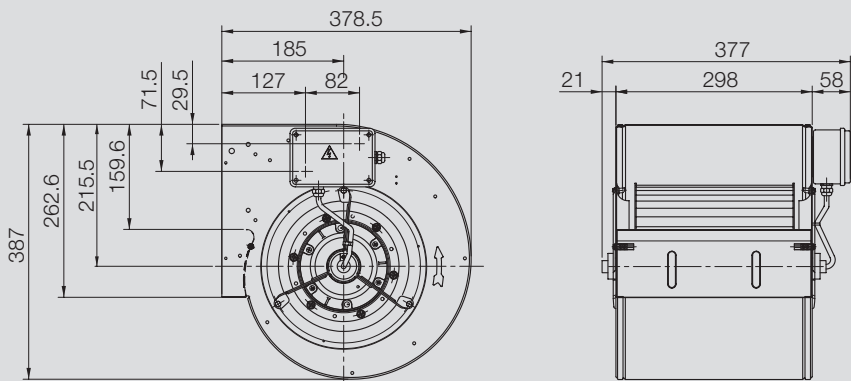
DDM 9/9 E6G3405 1F 4P 1V +SCT



DDM 9/9 E6G3304 1F 4P 1V +SCT

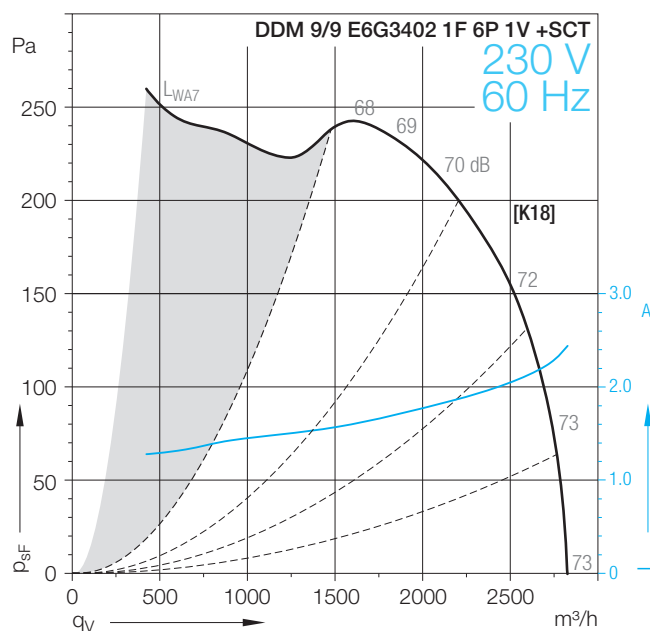
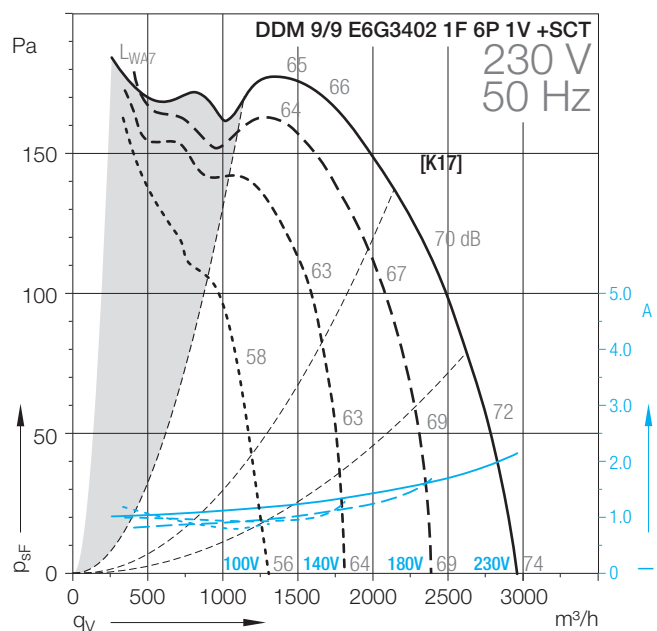
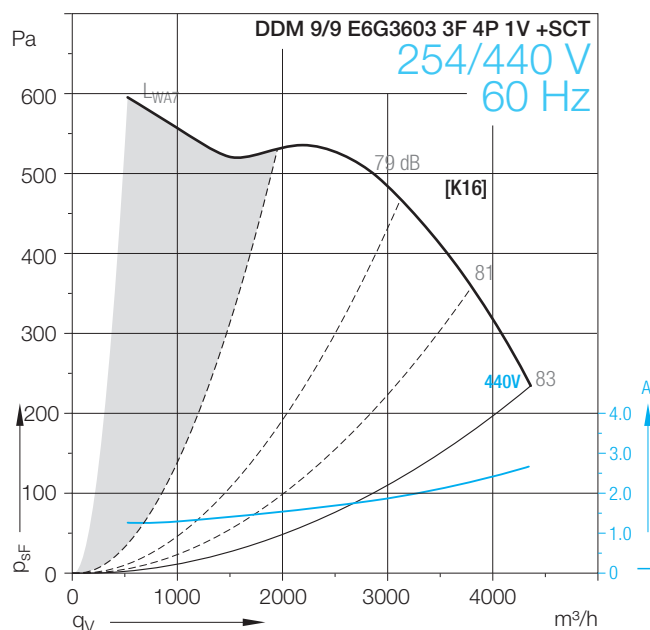
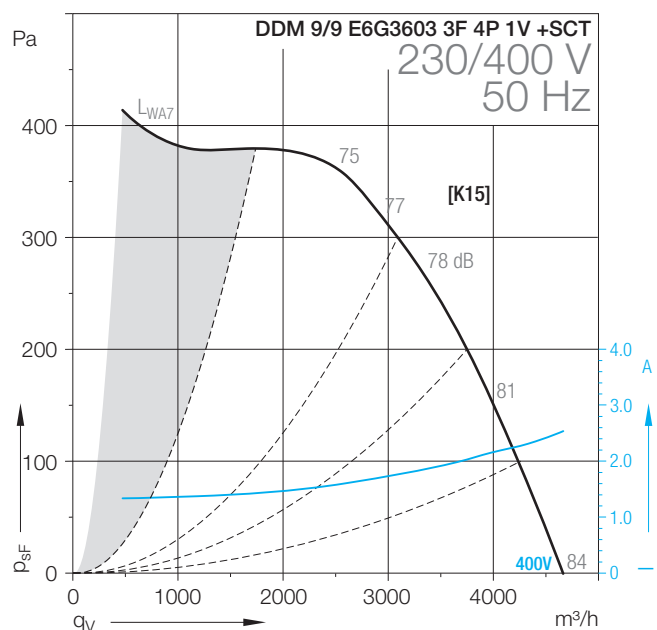
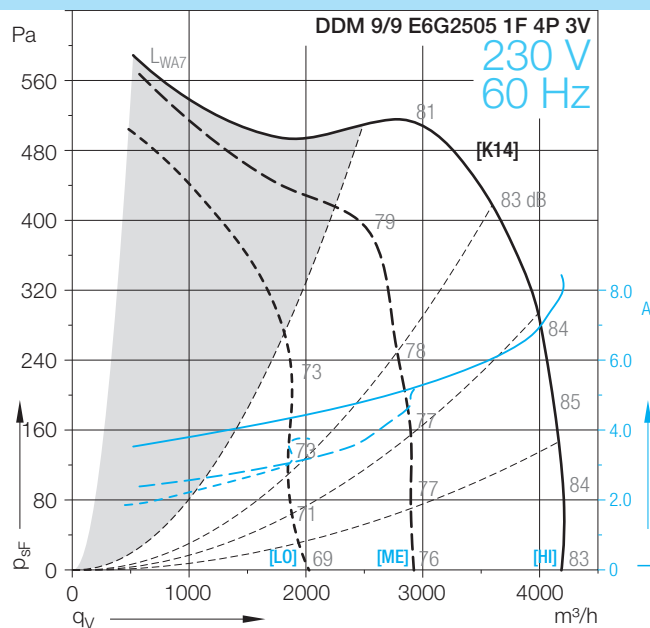
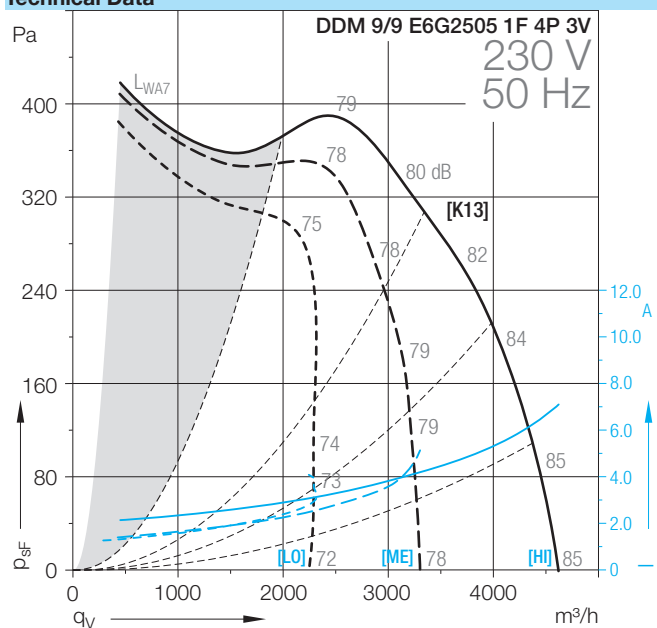


DDM 9/9 E6G3502 1F 4P 3V +SCT



DDM-9/9

Technical Data



DDM-9/9

Technical Data

	Speed control	Curves	Nominal motor power W	Poles —	Phases	Connection	Mains frequency Hz	Max. power consumption W	Max. current consumption A	Speed 1/min
DDM 9/9										
E6G2505 1F 4P 3V	*	[K13/K14]	550	4	1~		50/60	1644	7.1	1400
E6G3603 3F 4P 1V +SCT	*	[K15/K16]	550	4	3~	Δ/Y	50/60	1482	2.5	1410
E6G3402 1F 6P 1V +SCT	(2)	[K17/K18]	250	6	1~		50/60	486	2.2	800

Technical Data

	Operating Capacitor μF	Nominal capacitor voltage V	Motor protection class	Motor thermal class	Thermal protection	Media Temperature max. °C	Fan weight kg	Density of media kg/m³	Installation type (ISO 5801)	Article number
DDM 9/9										
E6G2505 1F 4P 3V	25	450	IP10	F	EXT	40	18	1.2	B	6M02007
E6G3603 3F 4P 1V +SCT			IP55	F	EXT	40	16	1.2	B	6M028A
E6G3402 1F 6P 1V +SCT	12.5	450	IP55	F	EXT	70	16	1.2	B	6M02NM

(1) = Speed controllable via Transformer

(2) = Speed controllable via TRIAC or Transformer

(3) = Speed controllable via Inverter

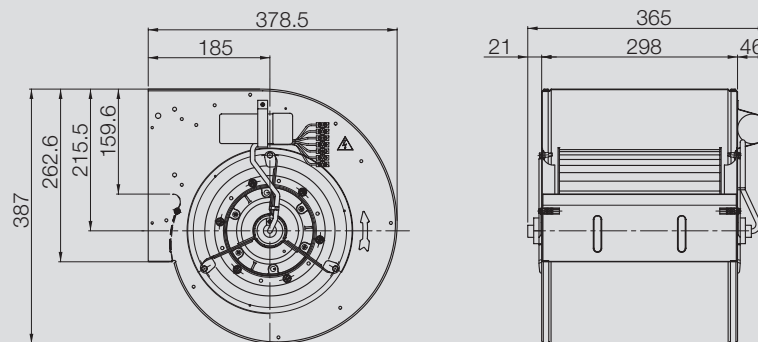
* = No speed control available

[HI] High speed, [ME] Medium speed, [LO] Low speed

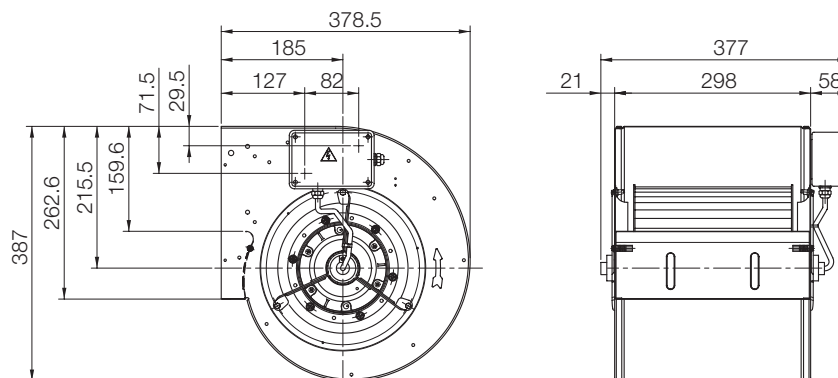
Attention! We suggest to do not use the fan in the grey marked area! The noise ratings given in the performance curves are sound power level L_{WA7} , see „Technical Description“.

Dimensions in mm, subject to change.

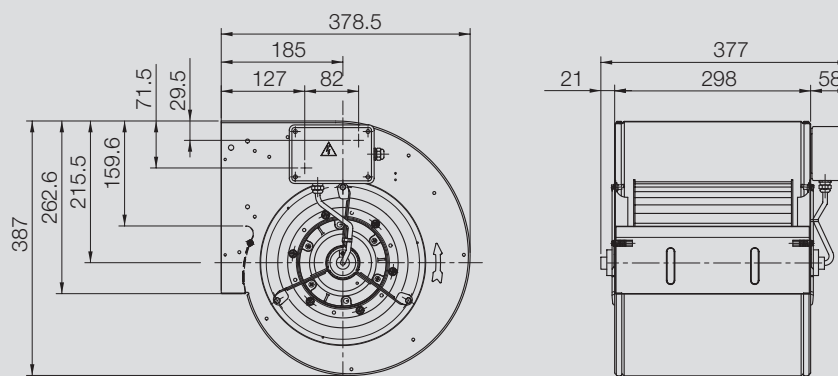
DDM 9/9 E6G2505 1F 4P 3V



DDM 9/9 E6G3603 3F 4P 1V +SCT

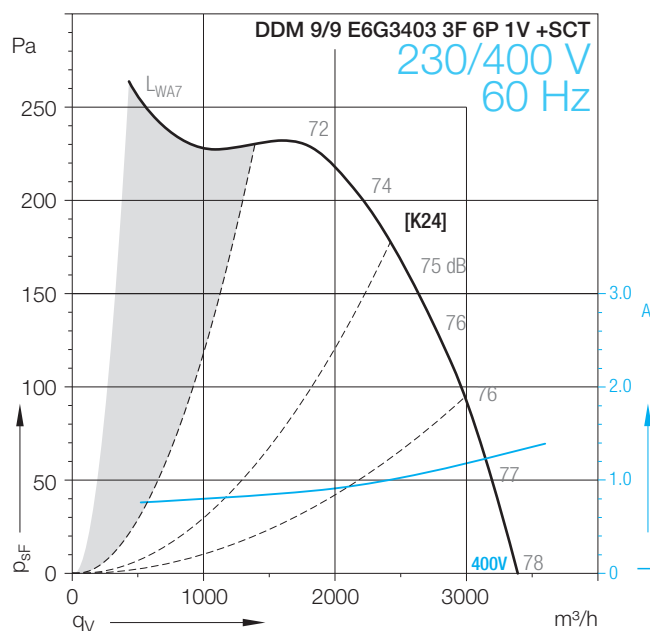
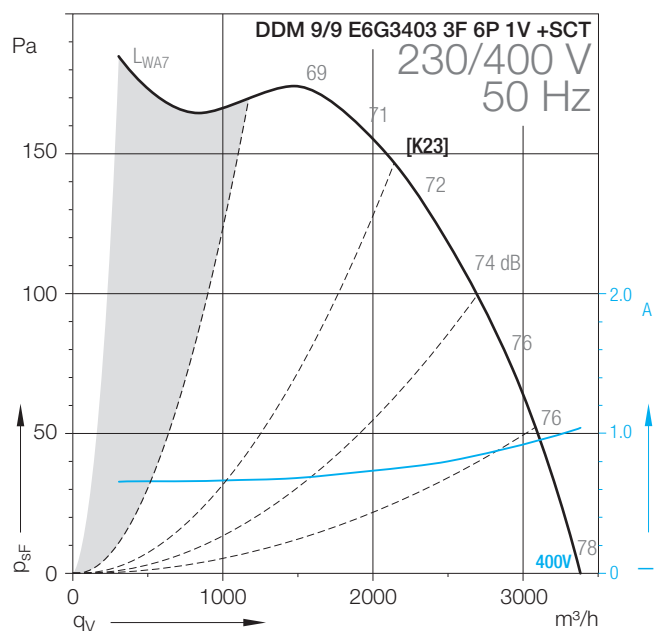
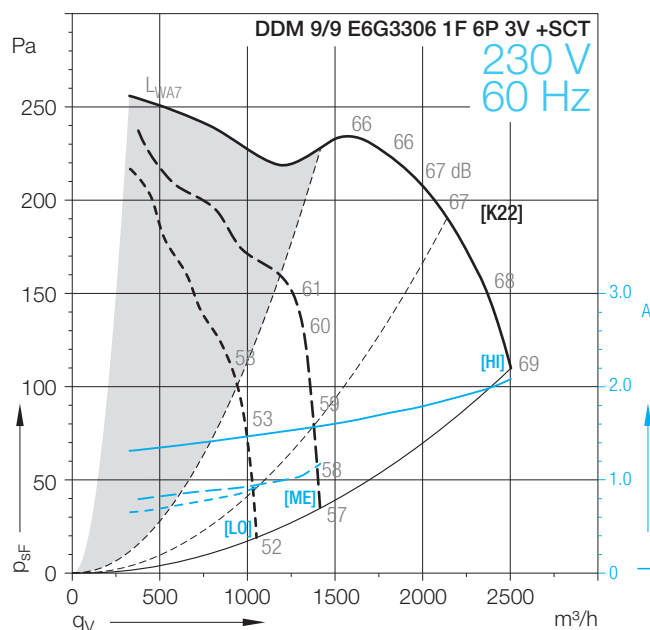
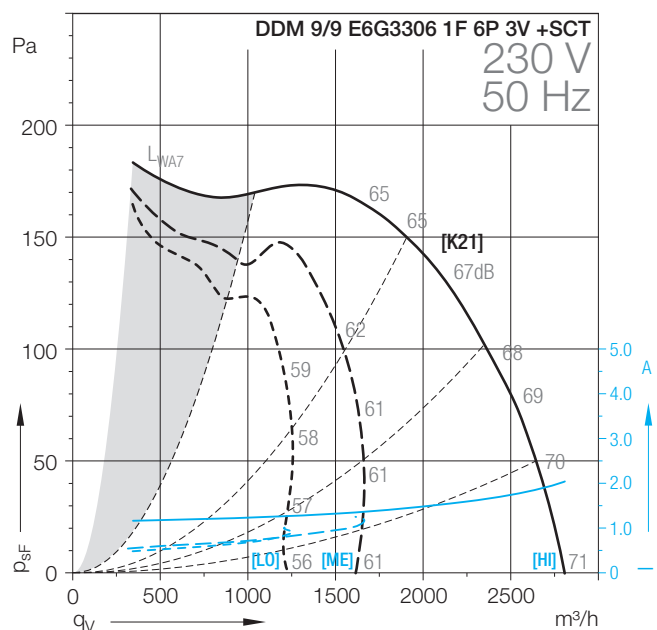
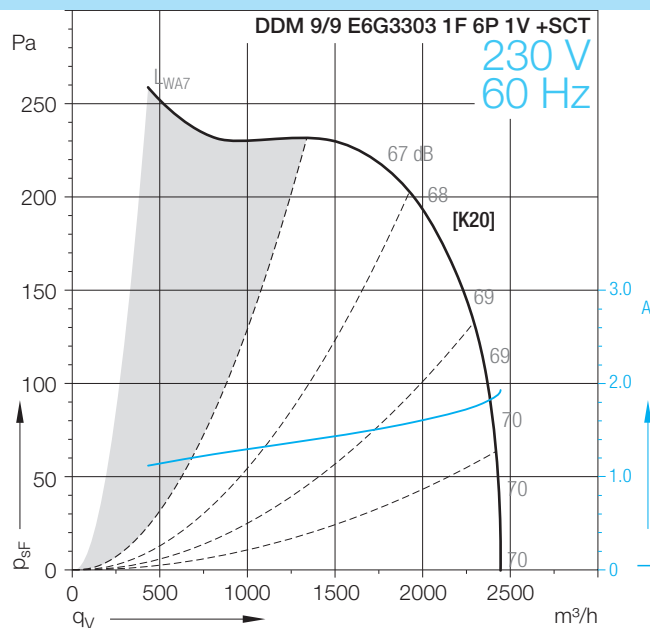
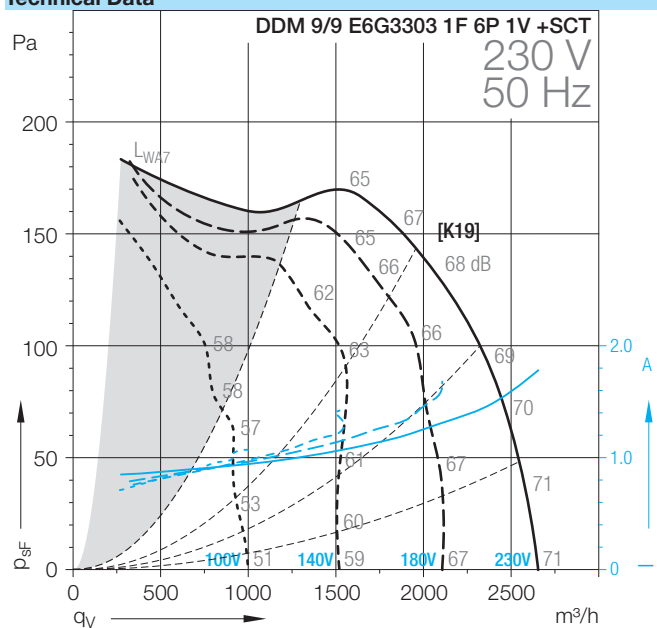


DDM 9/9 E6G3402 1F 6P 1V +SCT



DDM-9/9

Technical Data



DDM-9/9

Technical Data

	Speed control	Curves	Nominal motor power W	Poles –	Phases	Connection	Mains frequency Hz	Max. power consumption W	Max. current consumption A	Speed 1/min
DDM 9/9										
E6G3303 1F 6P 1V +SCT	(2)	[K19/K20]	200	6	1~		50/60	407	1.8	840
E6G3306 1F 6P 3V +SCT	*	[K21/K22]	200	6	1~		50/60	478	2	830
E6G3403 3F 6P 1V +SCT	*	[K23/K24]	245	6	3~	Δ/Y	50/60	552	1.2	870

Technical Data

	Operating Capacitor μF	Nominal capacitor voltage V	Motor protection class	Motor thermal class	Thermal protection	Media Temperature max. °C	Fan weight kg	Density of media kg/m³	Installation type (ISO 5801)	Article number
DDM 9/9										
E6G3303 1F 6P 1V +SCT	8	450	IP55	F	EXT	60	16	1.2	B	6M02M2
E6G3306 1F 6P 3V +SCT	10	450	IP44	F	EXT	40	14	1.2	B	6M02WU
E6G3403 3F 6P 1V +SCT			IP44	F	EXT	40	19	1.2	B	6M02G2

(1) = Speed controllable via Transformer

(2) = Speed controllable via TRIAC or Transformer

(3) = Speed controllable via Inverter

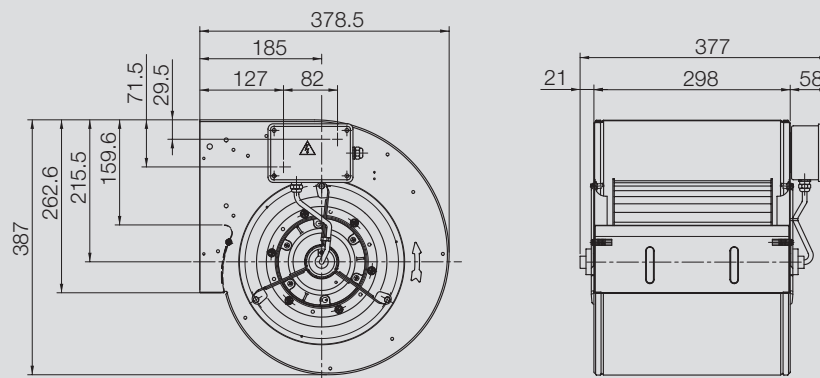
* = No speed control available

[HI] High speed, [ME] Medium speed, [LO] Low speed

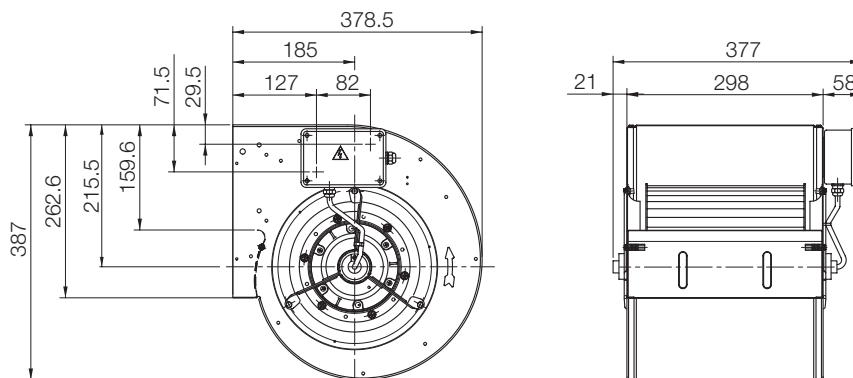
Attention! We suggest to do not use the fan in the grey marked area! The noise ratings given in the performance curves are sound power level L_{WA7} , see „Technical Description“.

Dimensions in mm, subject to change.

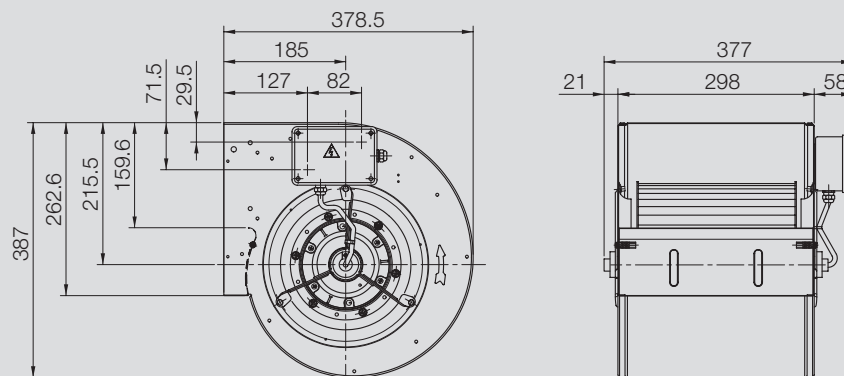
DDM 9/9 E6G3303 1F 6P 1V +SCT



DDM 9/9 E6G3306 1F 4P 3V +SCT

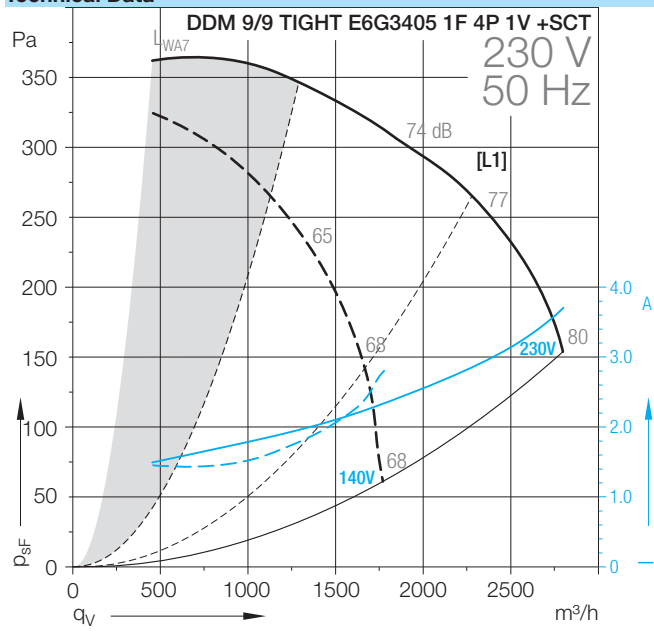


DDM 9/9 E6G3403 3F 6P 1V +SCT



DDM-9/9 TIGHT

Technical Data



DDM-9/9 TIGHT

Technical Data									
	Speed control	Curves	Nominal motor power	Poles	Phases	Connection	Mains frequency	Max. power consumption	Max. current
DDM 9/9 TIGHT			W	—			Hz	W	A
E6G3405 1F 4P 1V +SCT	(2)	[L1]	420	4	1~		50	865	3.8

Technical Data									
	Operating Capacitor	Nominal capacitor voltage	Motor protection class	Motor thermal class	Thermal protection	Media Temperature max.	Fan weight	Density of media	Installation type (ISO 5801)
DDM 9/9 TIGHT	µF	V				°C	kg	kg/m³	
E6G3405 1F 4P 1V +SCT	16	450	IP55	F	EXT	40	15	1.2	B

(1) = Speed controllable via Transformer
(2) = Speed controllable via TRIAC or Transformer
(3) = Speed controllable via Inverter
* = No speed control available

[HI] High speed, [ME] Medium speed, [LO] Low speed
Attention! We suggest to do not use the fan in the grey marked area! The noise ratings given in the performance curves are sound power level L_{WA7} , see „Technical Description“.

Dimensions in mm, subject to change.

DDM 9/9 TIGHT E6G3405 1F 4P 1V +SCT

