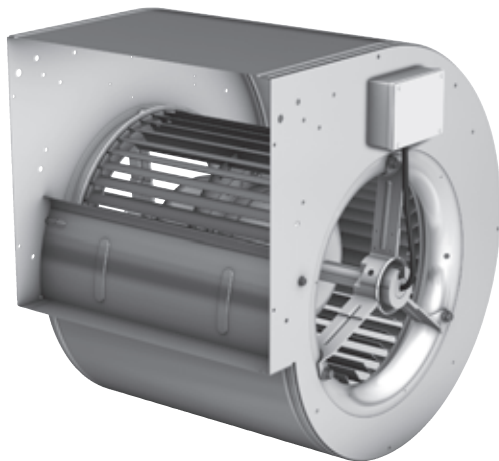


The best fan for your application!

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

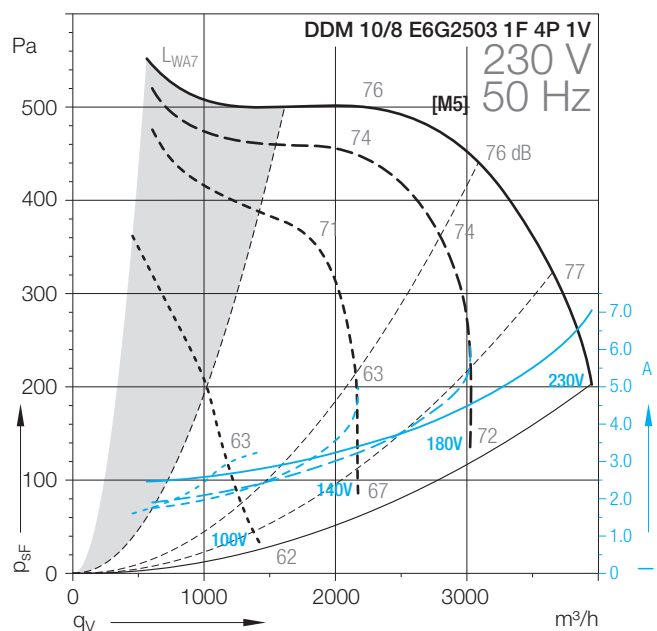
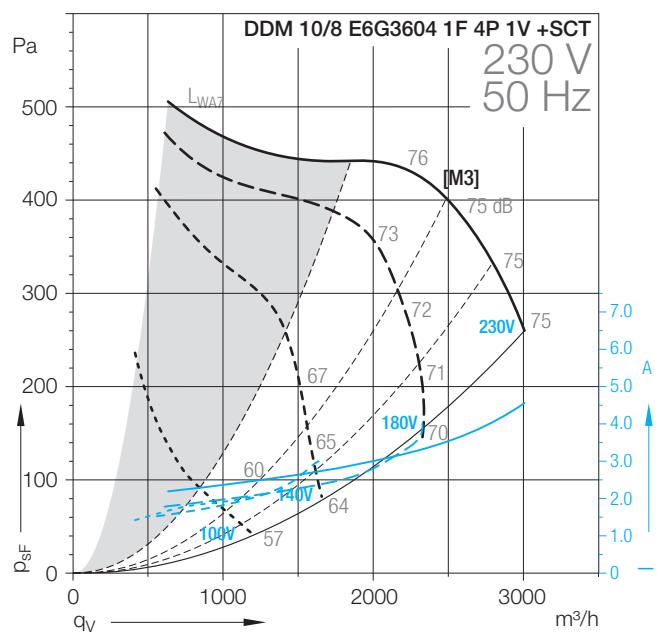
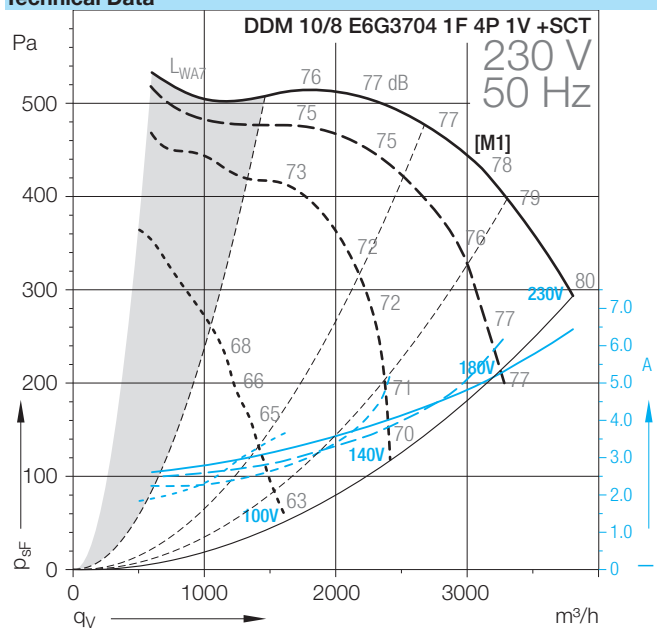
All fans could be provided with connection box, terminal block or loose cable.

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

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

DDM-10/8

Technical Data



DDM-10/8

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 10/8										
E6G3704 1F 4P 1V +SCT	(2)	[M1]	600	4	1~		50	1510	6.4	1380
E6G3604 1F 4P 1V +SCT	(2)	[M3]	550	4	1~		50	1061	4.6	1220
E6G2503 1F 4P 1V	(2)	[M5]	550	4	1~		50	1645	6.7	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 10/8										
E6G3704 1F 4P 1V +SCT	25	450	IP55	F	EXT	40	23	1.2	B	6102Z0
E6G3604 1F 4P 1V +SCT	16	450	IP55	F	EXT	40	20	1.2	B	6M02X4
E6G2503 1F 4P 1V	20	450	IP10	F	EXT	40	18	1.2	B	6M025N

(1) = Speed controllable via Transformer

(2) = Speed controllable via TRIAC or Transformer

(3) = Speed controllable via Inverter

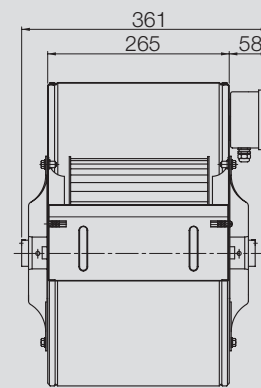
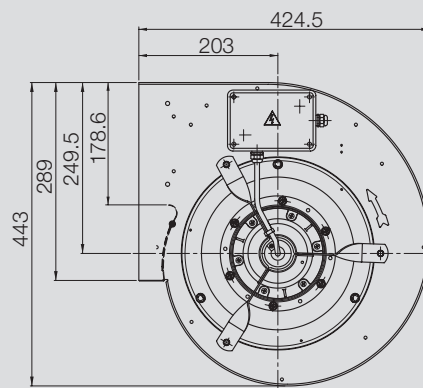
* = No speed control available

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

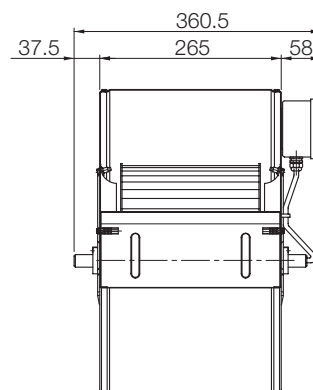
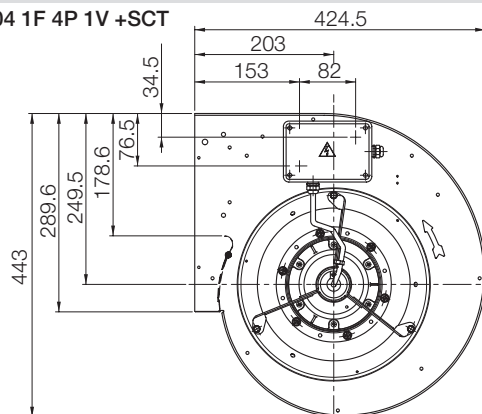
Attention! We suggest to do not use the fan in the grey marked area! The noise ratings given in the performance curves are sound power level L_{WA7} , see „Technical Description“.

Dimensions in mm, subject to change.

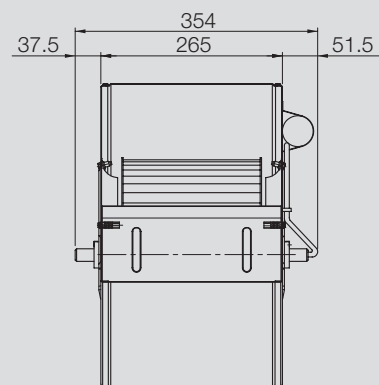
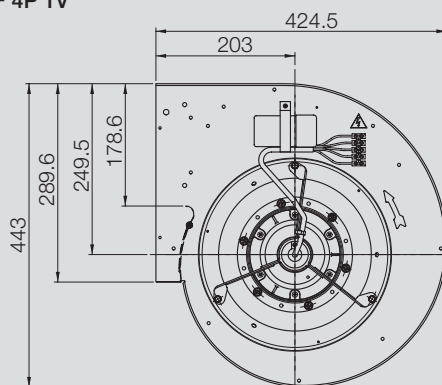
DDM 10/8 E6G3704 1F 4P 1V +SCT



DDM 10/8 E6G3604 1F 4P 1V +SCT

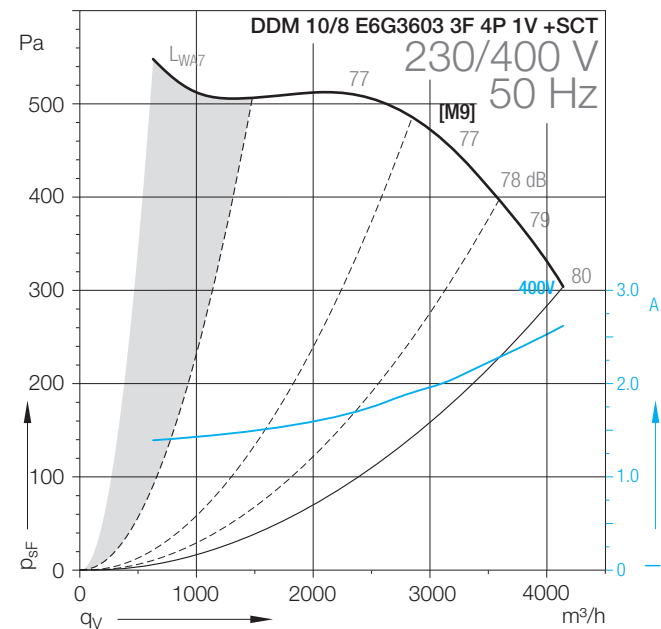
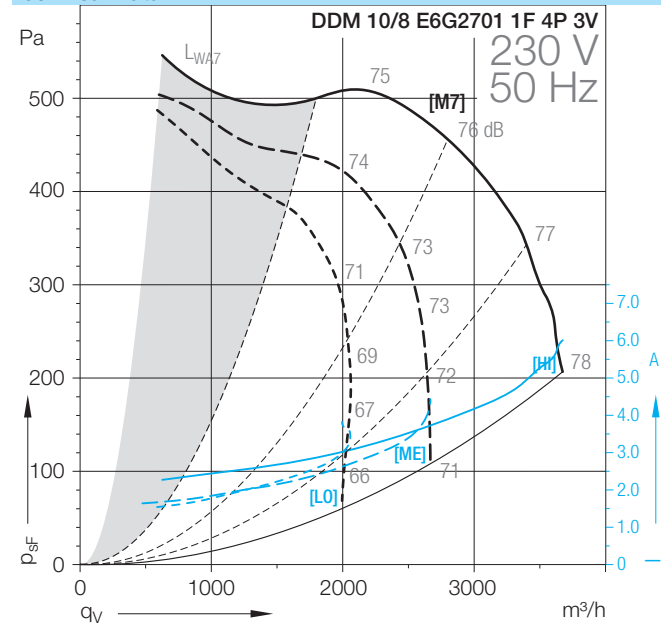


DDM 10/8 E6G2503 1F 4P 1V



DDM-10/8

Technical Data



DDM-10/8

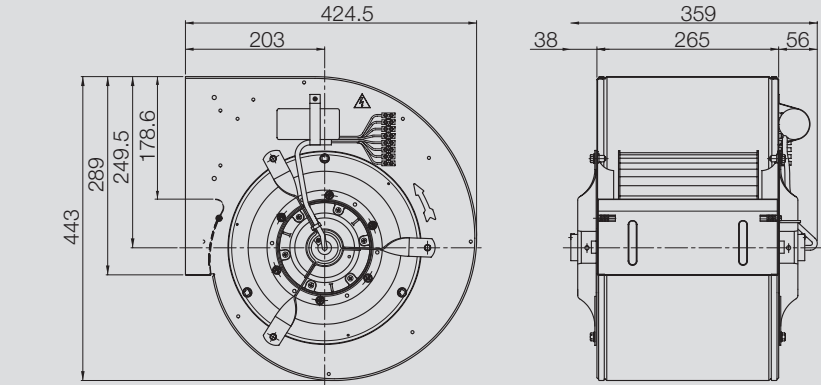
Technical Data										
	Speed control	Curves	Nominal motor power	poles	Phases	Connection	Mains frequency	Max. power consumption	Max. current consumption	Speed
DDM 10/8			W	—			Hz	W	A	1/min
E6G2701 1F 4P 3V	*	[M7]	550	4	1~		50	1422	5.9	1380
E6G3603 3F 4P 1V +SCT	*	[M9]	550	4	3~	Δ/Y	50	1376	2.5	1410

Technical Data										
	Operating Capacitor	Nominal capacitor voltage	Motor protection class	Motor ther- mal class	Thermal protection	Media Temperature max.	Fan weight	Density of media	Installation type (ISO 5801)	Article number
DDM 10/8	μF	V				°C	kg	kg/m³		
E6G2701 1F 4P 3V	25	450	IP10	F	EXT	40	18	1.2	B	61025P
E6G3603 3F 4P 1V +SCT			IP55	F	EXT	40	24	1.2	B	6M02XA

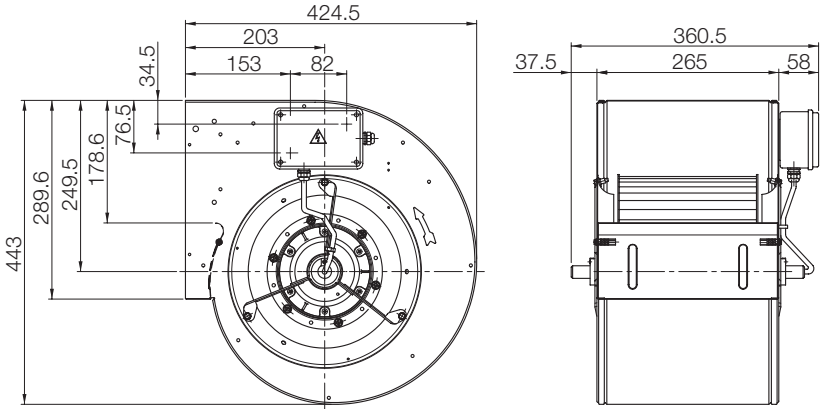
(1) = Speed controllable via Transformer
(2) = Speed controllable via TRIAC or Transformer
(3) = Speed controllable via Inverter
* = No speed control available

[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 10/8 E6G2701 1F 4P 3V

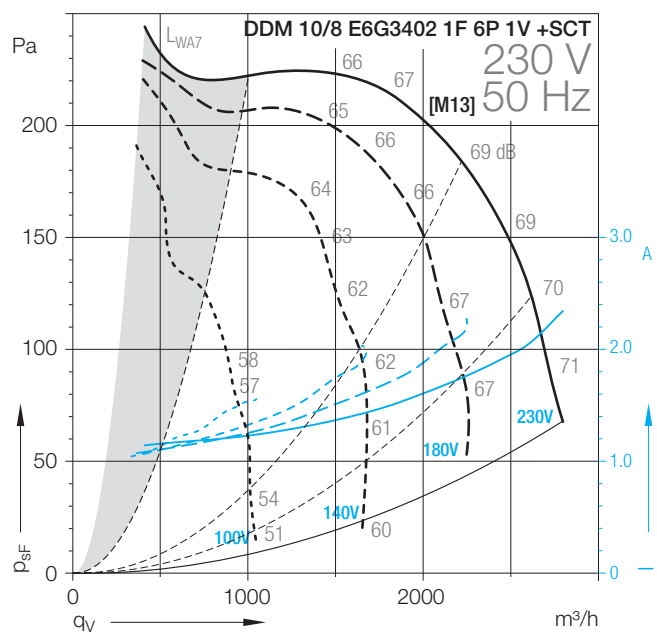
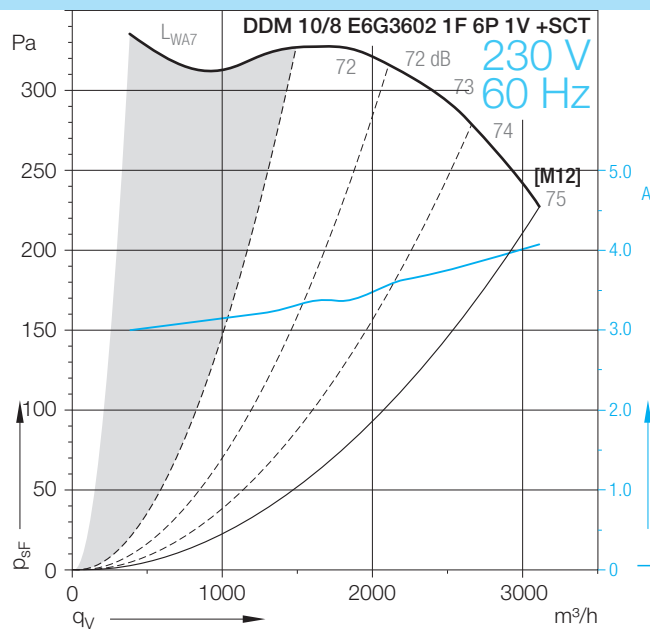
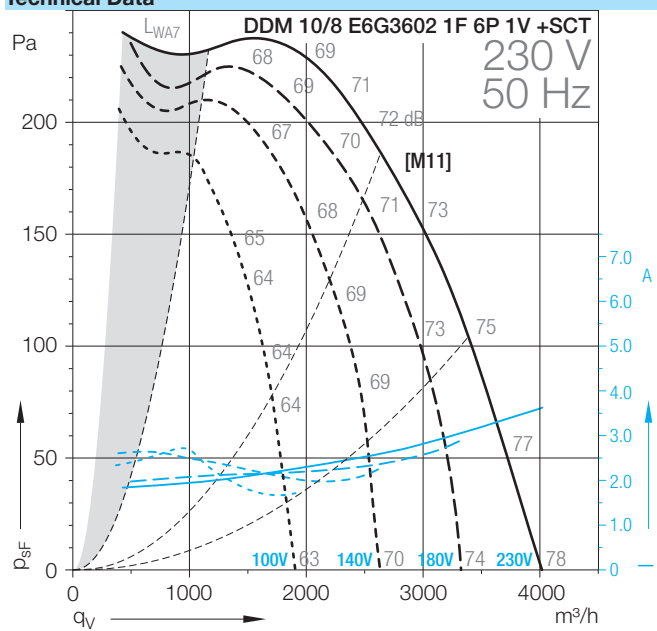


DDM 10/8 E6G3603 3F 4P 1V +SCT



DDM-10/8

Technical Data



DDM-10/8

Technical Data									
	Speed control	Curves	Nominal motor power	Poles	Phases	Connection	Mains frequency	Max. power consumption	Max. current consumption
DDM 10/8			W	–			Hz	W	A
E6G3602 1F 6P 1V +SCT	(2)	[M11/M12]	515	6	1~		50/60	860	3.6
E6G3402 1F 6P 1V +SCT	(2)	[M13]	250	6	1~		50	533	2.3

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 10/8	µF	V				°C	kg	kg/m³	Article number
E6G3602 1F 6P 1V +SCT	25	450	IP55	F	EXT	70	14	1.2	B 6M02N9
E6G3402 1F 6P 1V +SCT	12.5	450	IP55	F	EXT	40	17	1.2	B 6M02WZ

(1) = Speed controllable via Transformer

(2) = Speed controllable via TRIAC or Transformer

(3) = Speed controllable via Inverter

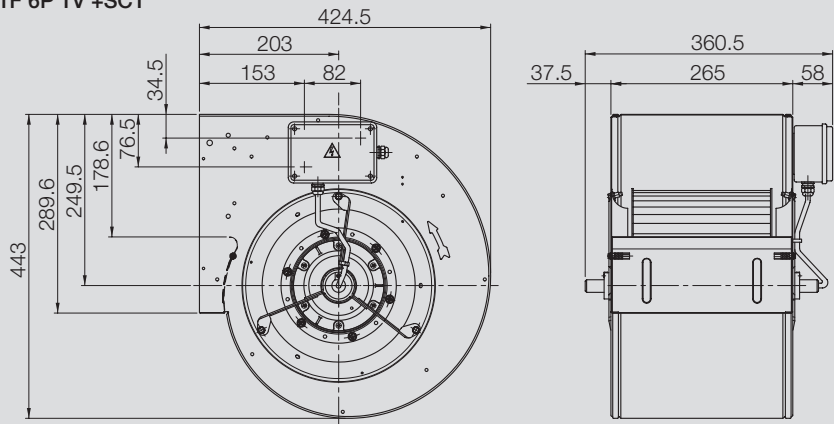
* = No speed control available

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

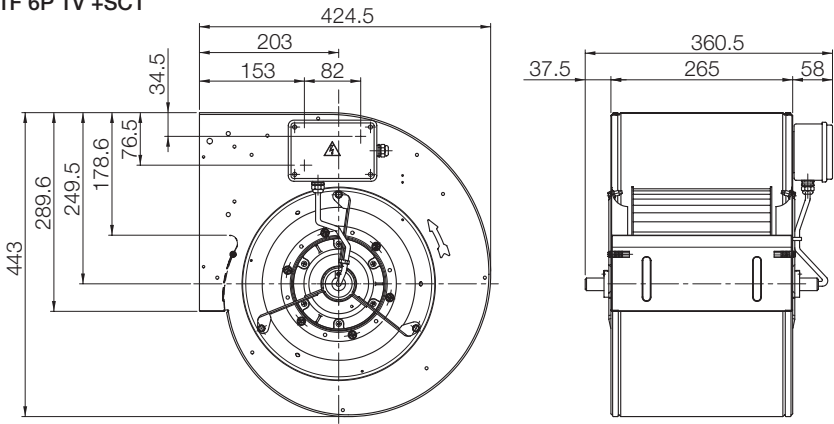
Attention! We suggest to do not use the fan in the grey marked area! The noise ratings given in the performance curves are sound power level L_{WA7} , see „Technical Description“.

Dimensions in mm, subject to change.

DDM 10/8 E6G3602 1F 6P 1V +SCT

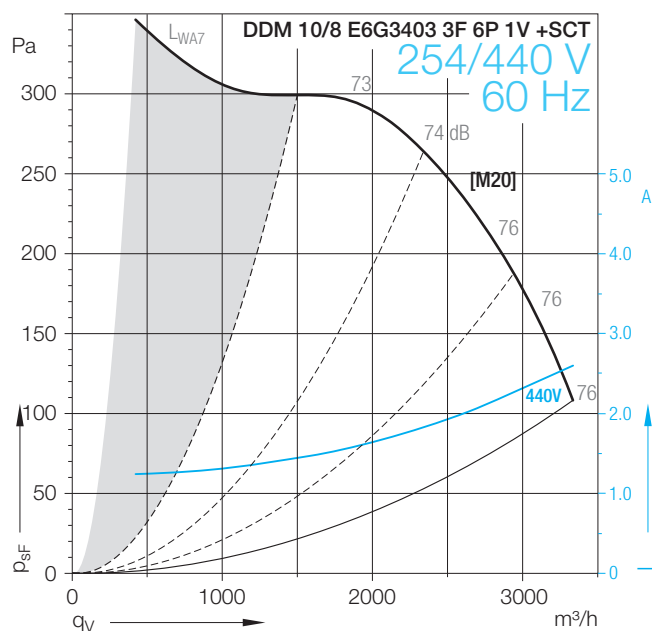
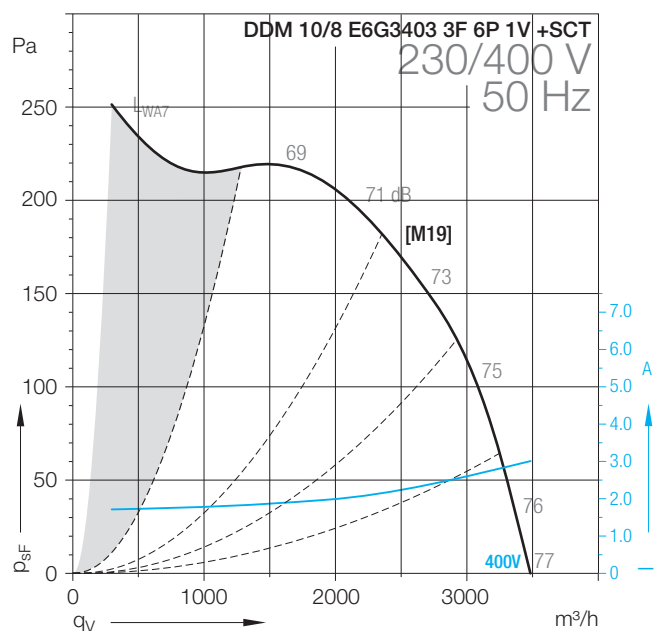
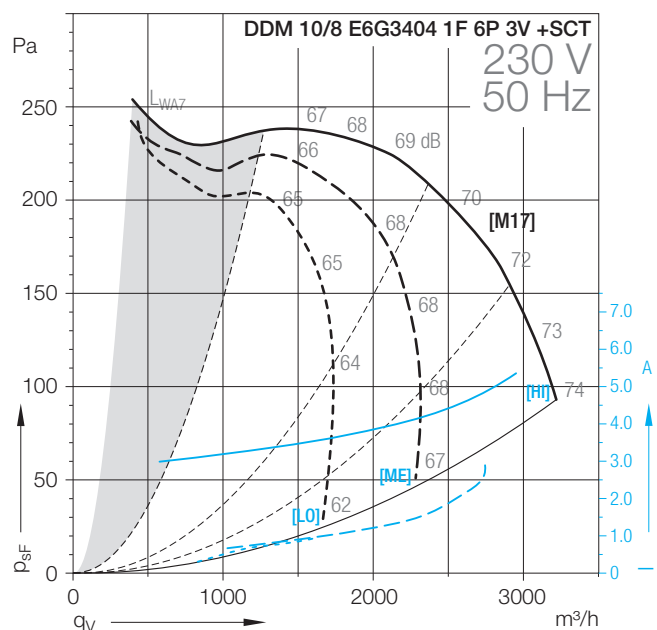
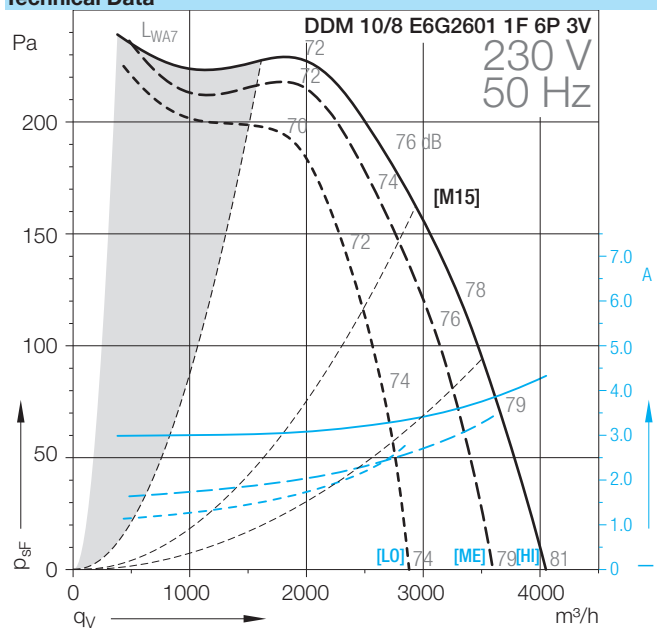


DDM 10/8 E6G3402 1F 6P 1V +SCT



DDM-10/8

Technical Data



DDM-10/8

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 10/8										
E6G2601 1F 6P 3V	*	[M15]	420	6	1~		50	926	4.3	890
E6G3404 1F 6P 3V +SCT	*	[M17]	280	6	1~		50	656	2.9	865
E6G3403 3F 6P 1V +SCT	*	[M19/M20]	245	6	3~	Δ/Y	50/60	659	1.3	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 10/8										
E6G2601 1F 6P 3V	20	450	IP10	F	EXT	70	24	1.2	B	6M02LP
E6G3404 1F 6P 3V +SCT	12.5	450	IP55	F	EXT	40	15	1.2	B	6M024A
E6G3403 3F 6P 1V +SCT			IP44	F	EXT	40	24	1.2	B	6M02XC

(1) = Speed controllable via Transformer

(2) = Speed controllable via TRIAC or Transformer

(3) = Speed controllable via Inverter

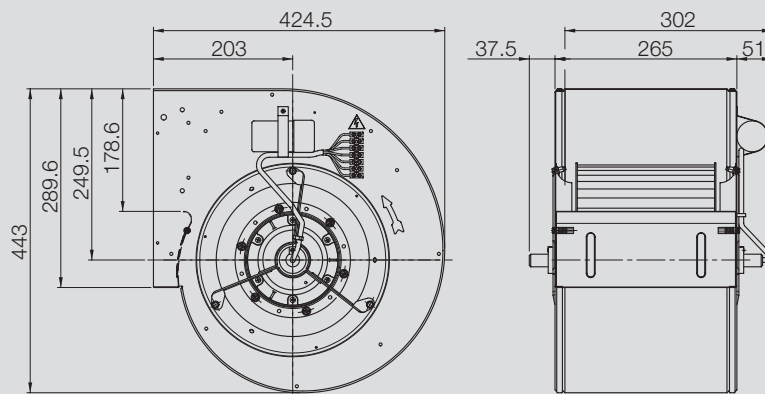
* = No speed control available

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

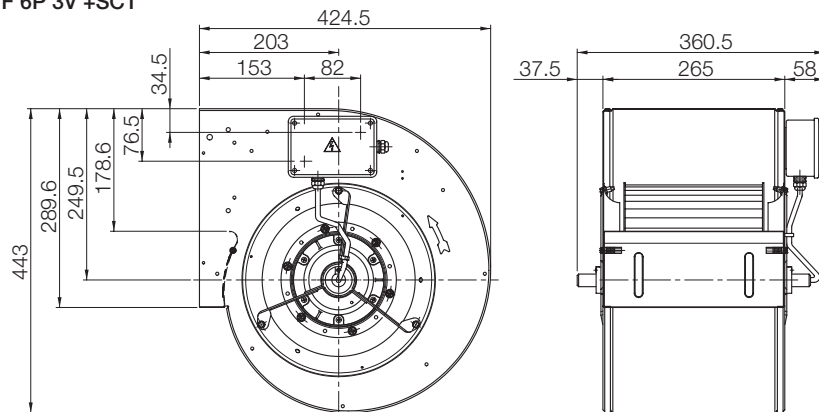
Attention! We suggest to do not use the fan in the grey marked area! The noise ratings given in the performance curves are sound power level L_{WA7} , see „Technical Description“.

Dimensions in mm, subject to change.

DDM 10/8 E6G2601 1F 6P 3V



DDM 10/8 E6G3404 1F 6P 3V +SCT



DDM 10/8 E6G3403 3F 6P 1V +SCT

