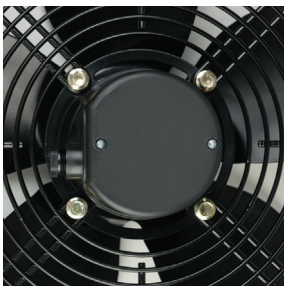
Configuration model HXM-400

The HXM plate mounted axial flow fans are manufactured from pressed galvanised steel protected from corrosion by a beige epoxy-polyester paint finish. HXM models include impellers manufactured from aluminium sheet (HXM-200 to HXM-350) or steel sheet (HXM-400), finished with black polyester paint.
All models include a steel finger proof guard as standard mounted to the inlet side of the fan.

Motor
HXM-200 to HXM-350: Single phase speed controllable motor 230V-50/60Hz equipped with thermal protection, IP44, Class B insulation, flexible cable (lenght: 50cm) for connection to the electrical supplies and ball bearings greased for life.
HXM-400: External rotor motor, IP44, Class F insulation, fitted with thermal protection and wiring terminal box.

Additional Information
Standard air direction: form (A) configuration (Motor over Impeller).

Provided with cable for connection to the electrical supplies
Motor protected from corrosion by epoxy-polyester paint finish.
Cable to ease connection to electrical supplies (except for HXM-400 model).



HXM-400 model terminal box
Wiring terminal box including the capacitor.

TECHNICAL CHARACTERISTICS

Before making any electrical connection ensure that the voltage and frequency of the mains electrical supply matches that of the fan data plate label.

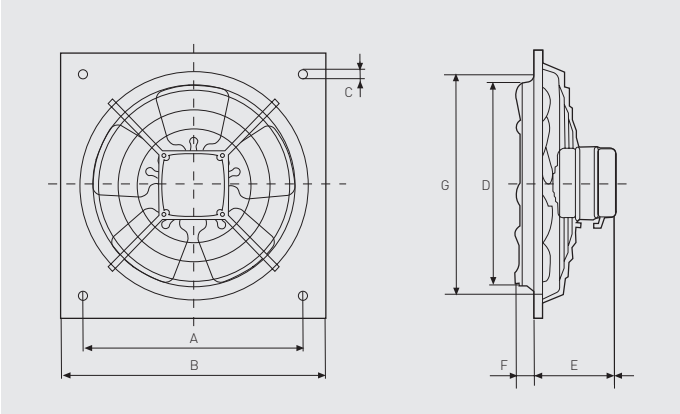
Model	Speed (rpm)	Diameter (mm)	Maximum absorbed power (W)	Maximum absorbed current (A)	Sound pressure level* (dB(A))	Maximum air volume (m^3/h)	Working temperature (ºC)	Weight (kg)	Speed controller	
									REB	RMB
HXM-200	1350	200	19	0,1	39	470	-15/+40	1,8	REB-1N	RMB-1,5
HXM-250	1380	250	30	0,1	48	810	-15/+40	2,4	REB-1N	RMB-1,5
HXM-300	1360	300	41	0,2	48	1.180	-15/+40	3,2	REB-1N	RMB-1,5
HXM-350	1340	350	52	0,2	51	1.680	-15/+40	4,3	REB-1N	RMB-1,5
HXM-400	1255	400	151	0,7	56	3.670	-40/+60	9,0	REB-1N	RMB-1,5

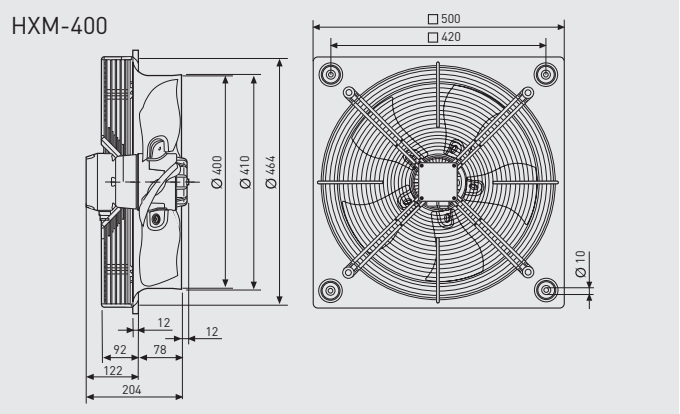
* Sound pressure measured in free field condition at 1,5 m.

ACOUSTIC CHARACTERISTICS

Model	63	125	250	500	1.000	2.000	4.000	8.000	LwA
HXM-200	27	42	48	49	47	45	37	30	**54**
HXM-250	30	46	55	60	54	51	45	35	**62**
HXM-300	32	44	53	59	55	53	46	34	**62**
HXM-350	37	55	60	61	58	56	50	39	**66**
HXM-400	43	61	63	63	64	63	58	50	**70**

DIMENSIONS (mm)





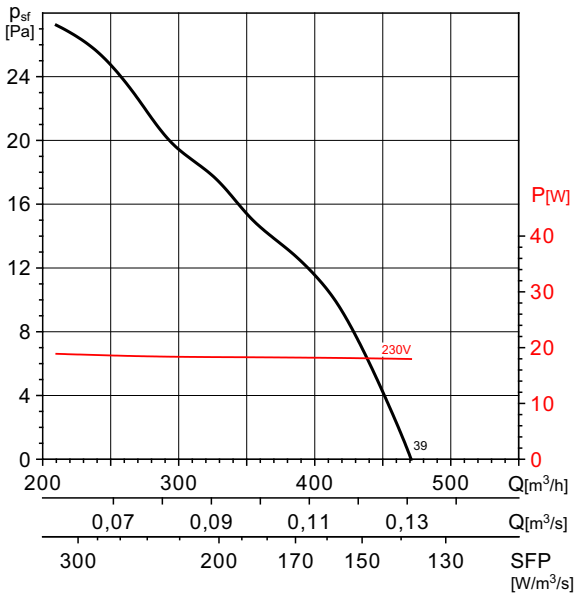
Model	⁄A	⁄B	Ø C	Ø D	E	F	Ø G
HXM-200	222,5	266	9,5	205	88	19,5	211
HXM-250	275,5	333	9,5	255	99	31,5	261
HXM-300	336,5	400	10,5	305	99	35,5	311
HXM-350	390,5	465	10,5	361	106	34,5	371

PERFORMANCE CURVES

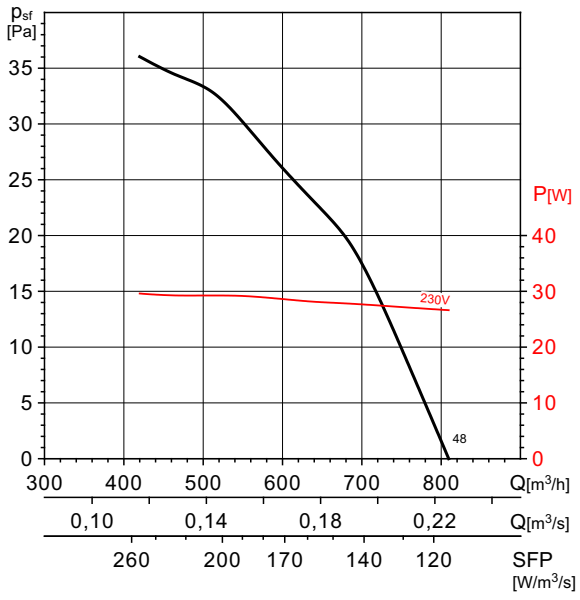
- q_v: Airflow in m^3/h and m^3/s.
- p_{sf}: Static pressure in Pa.
- p_g: Protection guard pressure drop in Pa.
- SFP: Specific fan power in $W/m^3/s$.
- P: Absorbed power in W.
- Measurement category: A.
- Efficiency category: static.
- Fan efficiency without speed control.
- Fan tested without protection guard (HXM-400).
- Airflow data in accordance with ISO 5801.
- Sound pressure levels in dB(A), measured at 1,5 meters in free field.

MC	Measurement category
EC	Efficiency category
VSD	Speed control: supplied with the fan
SR	Specific ratio
η[%]	Efficiency
N	Efficiency grade
[m³/h]	Airflow
[Pa]	Static pressure
[RPM]	Speed

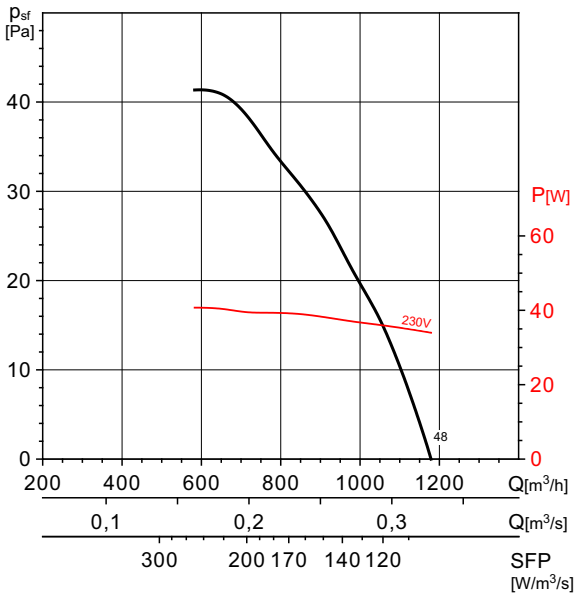
HXM-200



HXM-250

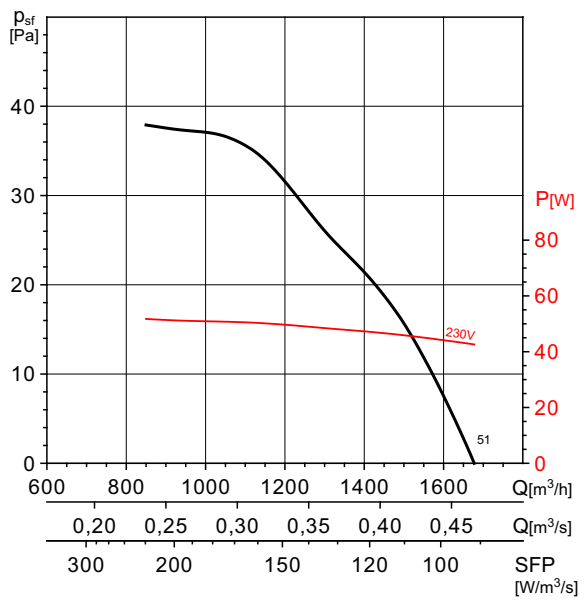


HXM-300

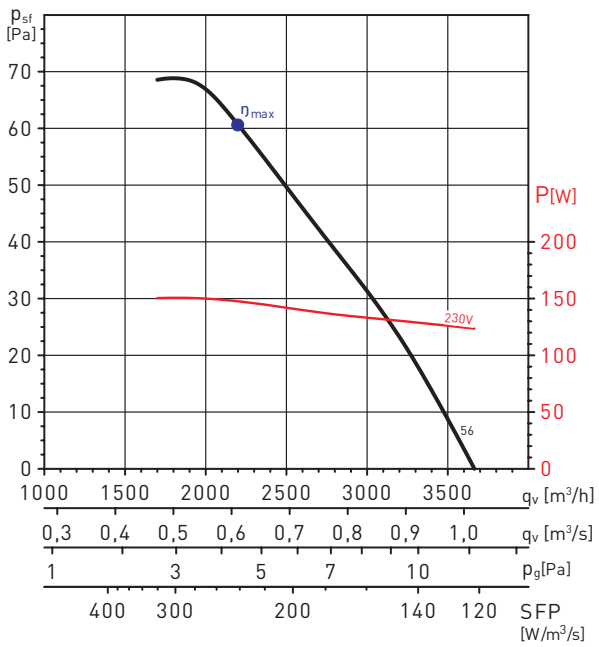


PERFORMANCE CURVES

HXM-350



HXM-400



MC*	EC*	VSD*	SR*	η[%]*	N*	[kW]	q_v [m³/h]	[Pa]	[RPM]
B	Static	No	1,001	25,1	36,7	0,148	2198	61	1103

* See example curve.

MOUNTING ACCESSORIES

PER-W
Back draft plastic shutters.

PER-CR
Back draft aluminium shutters.

	Back draft shutters	
Model	**Plastic**	**Metal**
HXM-200	PER - 200 W	PER - 250 CR
HXM-250	PER - 250 W	PER - 250 CR
HXM-300	PER - 355 W	PER - 355 CR
HXM-350	PER - 355 W	PER - 355 CR
HXM-400	PER - 400 W	PER - 400 CR

ELECTRICAL ACCESSORIES

REB
Electronic, single phase speed controller.

RMB
Auto transformer, single phase speed controller.