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 AIR COMFORT

 FIRE SAFETY



ExpressBuild STANDARD FAN RANGE

OUR SHORT LEAD TIME FAN RANGE



ExpressBuild

CONCEPT & PRINCIPLES

- When a **short lead** time solution is important, choose an *ExpressBuild* Fan product
- **Wide choice** of products to meet market performance and commercial needs
- Our Express Build fan range ONLY uses **Preferred Range motors**, which we monitor and manage to optimise stock levels to ensure that lead times are as short as possible.
- Easy to order – just quote our **Quick Order Codes** to get your order despatched in 2 working weeks



DEDICATED PRODUCTION LINE TO MANUFACTURE OUR REDUCED LEAD TIME FANS.

EASY TO ORDER

Our core fan range, shown within either our Express Build standard range catalogue or our Fan Selection software, all have Quick Order Codes assigned to each them, allowing any of these fans to be ordered by just quoting a **unique product code** making ordering quick and easy.

1

**CHOOSE THE
TEMPERATURE REQUIRED**

50°C, 200°C, 300°C, 400°C

2

**CHOOSE THE SIZE OF
THE FAN**

315mm - 1000mm

3

**QUOTE THE QUICK
ORDER CODE**

E.G - AJSL-100-23-XX

DESPATCH LEAD TIME SERVICE LEVEL

Our aim is to fulfil 95% of customer orders within 2 working weeks. During this time scale our target is to process your order, build the product and have it ready for despatch from our UK factory. Where there are high demands for specific items which may extend the lead time beyond this target level, then we will do our best to minimise the delay for the ordered item, or offer an alternative solution on a shorter lead time.

The Fläkt Woods *ExpressBuild* Range

Our JM and JMv Axial flow fan products in this range are specifically engineered to meet particular client needs. Our products are manufactured from high quality components to ensure that we deliver a reliable solution.



JMv / JM AEROFOIL (STANDARD TEMPERATURE)

Designed to provide enhanced performance and efficiency.



Axial flow fans are **easy to install** into ductwork as air enters and leaves the fan in-line with the motor/impeller axis.

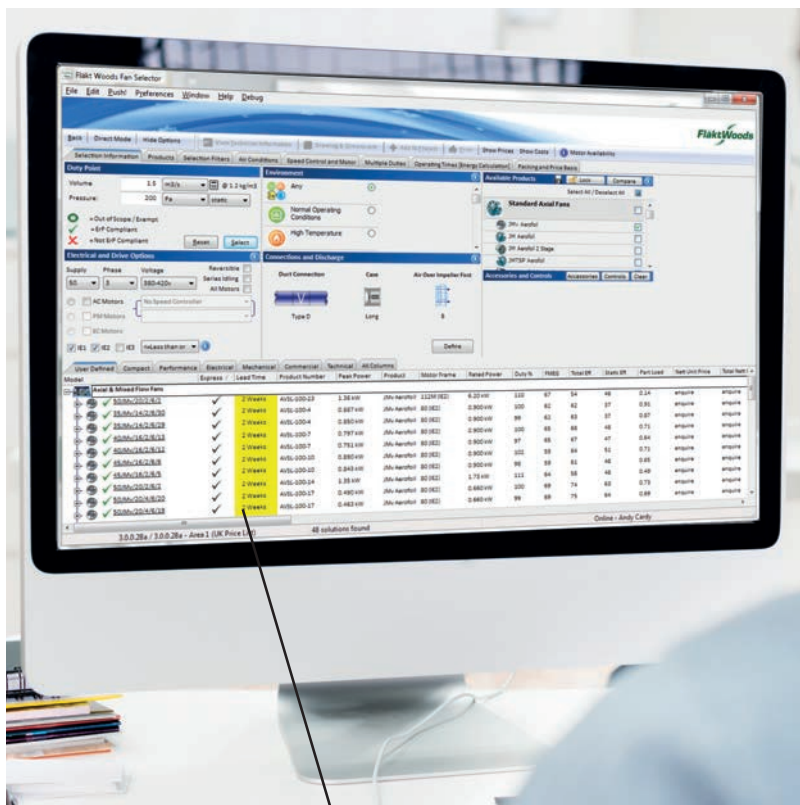


JMv / JM AEROFOIL HT (SMOKE EXTRACT)

Our HT JMv / JM variants are designed for normal ventilation and a "one-off" emergency smoke extraction capability for temperatures up to 400°C for 2 hours (EN12101-3 certified).



Product flexibility to suit customer applications with a choice of fan diameters and performances (duty points).



Fan Selector Combinations

Although our catalogue range offers our customers a wide product choice, our Fan Selection software clearly identifies and offers even more short lead time fan configuration options.

Although we only use around 170 different standard (major) component parts, we are able to give customers access to over 40000 different fan and motor combinations, allowing us to fulfil a wide range of products needs within a reduced lead time.

Model	Express /	Lead Time	Product Number	Peak Power	Product	Motor Frame	Rated Power
30JMv20/2/6/2	✓	2 Weeks	AVSL-100-23-2	1.36 kW	JMv Aerofoil 112M (IE2)		6.20 kW
35JMv14/2/6/30	✓	2 Weeks	AVSL-100-4-30	0.887 kW	JMv Aerofoil 80 (IE2)		0.900 kW
35JMv14/2/6/29	✓	2 Weeks	AVSL-100-4-29	0.850 kW	JMv Aerofoil 80 (IE2)		0.900 kW
40JMv16/2/6/13	✓	2 Weeks	AVSL-100-7-13	0.797 kW	JMv Aerofoil 80 (IE2)		0.900 kW
40JMv16/2/6/12	✓	2 Weeks	AVSL-100-7-12	0.751 kW	JMv Aerofoil 80 (IE2)		0.900 kW
45JMv16/2/6/6	✓	2 Weeks	AVSL-100-10-6	0.890 kW	JMv Aerofoil 80 (IE2)		0.900 kW
45JMv16/2/6/5	✓	2 Weeks	AVSL-100-10-5	0.843 kW	JMv Aerofoil 80 (IE2)		0.900 kW
50JMv20/2/6/2	✓	2 Weeks	AVSL-100-14-2	1.35 kW	JMv Aerofoil 80 (IE2)		1.73 kW
50JMv20/4/6/20	✓	2 Weeks	AVSL-100-17-20	0.490 kW	JMv Aerofoil 80 (IE2)		0.660 kW
50JMv20/4/6/19	✓	2 Weeks	AVSL-100-17-19	0.463 kW	JMv Aerofoil 80 (IE2)		0.660 kW

ExpressBuild Range Offers:

- 11 fan diameters
- 5 hub options
- 4 temperature options
- 33 motor/speed options
- 19 solidity options
- 40128 combinations

INCLUDING THE NEW JMv

FROM
FLÄKT WOODS



**GAIN THE AERODYNAMIC
ADVANTAGE AND SAVE UP
TO 24% ON ENERGY COSTS**



END USER/BUILDING OWNER

- Proven energy savings
- Low life cycle costs – including low maintenance costs
- Reduced CO₂ foot print
- ErP 2015 compliant
- With over 100 years of proven axial fan engineering expertise



CONSULTANT

- Lower energy consumption through improved aerodynamic efficiency
- Lower carbon emissions supporting BREEAM ratings
- ErP 2015 compliant
- Advanced Fan Selector Tool - makes selecting the most energy efficient solution easy



CONTRACTOR

- Easy installation
- In-house expertise from trained engineers to support your needs
- A wide range available
- Online supporting material
- Energy saving for your customers
- ErP 2015 compliant



Lowering Energy Costs - Reducing Your Carbon Footprint - Engineering Expertise

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CASED AXIALS - JM AEROFOIL

FEATURES

- 315 - 1000 mm diameter
- Air flow up to 24.0 m³/s
- Static pressures up to 1170 Pa
- Fans tested to ISO5801 and BS848
- High energy efficiency
- Low installed noise levels
- Motor protection and terminal box IP55

ELECTRICAL SUPPLY

380-420V/50Hz/3φ

TEMPERATURE RANGE

Standard Operating temperature range: -40°C to 50°C, plus a one off emergency use at 200°C for 2 hours (3 ph motors). Where fans need to operate between 50°C and 70°C, fans must be run at full speed only.

SIZES

315, 355, 400, 450, 500, 560, 630, 710, 800, 900 and 1000 mm.

IMPELLERS

A unique high efficiency aerofoil section blade with a smoothed hub and clamp plate for adjustable pitch angle availability.

The Fläkt Woods impellers are all high pressure die cast to offer thin aerofoil sections for low generation of noise. Every cast aluminium component is X-ray examined using Real Time Radiography inspection prior to assembly. The maximum pitch angles shown are based on speed control by frequency inverter. This range is available in Form B only (air entering the impeller first).

MOTORS

All motors are totally enclosed air stream rated with class F insulation. Constructed from aluminium or cast iron as standard, with special 'T' slot or pad mount fixings. Suitable for horizontal or vertical shaft operation. Motors are supplied as IP55 as standard, with removable drain plugs.

Bearings are of the "sealed for life" type and are lubricated with grease which has a wide operating temperature range, designed for optimal performance. Our BT and CT frames are fitted with overheat protection thermostats as standard, while 80 to 160 frame motors are fitted with Thermistor OHP.

These motors are suitable for inverter speed control down to 20% of full speed and where within scope incorporate IE2 or IE3 efficiency grade motors.



CASINGS

JM Aerofoil fans within our Express Build range are available in long cased form, complete with an externally mounted pre-wired electrical terminal box. Casings are spun from sheet steel with integral pre-drilled and radiused inlet flanges. The galvanised finish gives a high resistance to corrosion and is ideal for external as well as internal use.

PRODUCT CODE

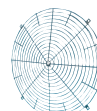
63JM/20/4/6/36

- 63 - denotes the fan impeller diameter in centimetres
- JM - denotes fan type
- 20 - denotes impeller hub diameter in centimetres
- 4 - denotes a nominal 4 pole speed
- 6 - denotes the number of blades
- 36 - denotes the pitch angle for the required duty

ACCESSORIES & CONTROLLERS



Damper



Guard



Bellmouth



Flange



Mounting Feet



Rubber AV's



Spring AV's



Flexible Connector



Silencer



Controls Inverter

HIGH EFFICIENCY CASED AXIALS - JMv AEROFOIL

FEATURES

- 315 - 630 mm
- Volume up to 6.2 m³/s
- Static pressures up to 1180 Pa
- Fans tested to ISO5801 and BS848
- High energy efficiency
- Low installed noise levels
- Motor protection and terminal box IP55
- Overheat protection fitted as standard

ELECTRICAL SUPPLY

380-420V/50Hz/3

TEMPERATURE RANGE

Standard Operating temperature range: -40°C to 50°C, plus a one off emergency use at 200°C for 2 hours (3 ph motors). Where fans need to operate between 50°C and 70°C, fans must be run at full speed only.

SIZES

315, 355, 400, 450, 500, 560 and 630 mm.

IMPELLERS

Our impeller design includes features such as our unique high efficiency, high twist aerofoil section blades, which are fitted into an aerodynamically optimised hub and clamp plate, that allows pitch angles to be adjusted to precisely match customer needs.

Fläkt Woods impeller blades are all manufactured from either high pressure die cast aluminium or high quality gravity die casting process, which enables us to offer thin aerofoil sections that reduce noise generation.

Every cast aluminium component is X-ray examined using Real Time Radiography inspection prior to assembly to ensure that high quality is maintained.

The maximum pitch angles shown are based on speed control by frequency inverter. This range is available in Form B only (air entering the impeller first).

MOTORS

All motors are totally enclosed air stream rated with class F insulation. Constructed from aluminium or cast iron as standard, with special 'T' slot or pad mount fixings. Suitable for horizontal or vertical shaft operation. Motors are supplied as IP55 as standard, with removable drain plugs.

Bearings are of the "sealed for life" type and are lubricated with grease which has a wide operating temperature range, designed for optimal performance. Our BT and CT frames are fitted with overheat protection thermostats as standard, while 80 to 160 frame motors are fitted with Thermistor OHP.

These motors are suitable for inverter speed control down to 20% of full speed and where within scope incorporate IE2 or IE3 efficiency grade motors.

NEW



e³
ENVIRONMENT
ECONOMICAL
EXPERTISE

ErP
COMPLIANT

**GAIN THE AERODYNAMIC
ADVANTAGE AND SAVE UP
TO 24% ON ENERGY COSTS**

CASINGS

JMv Aerofoil fans are available in a long cased form, complete with an externally mounted pre-wired electrical terminal box. Casings are spun from sheet steel with integral pre-drilled and radiused inlet flanges. The galvanised finish gives a high resistance to corrosion and is ideal for external as well as internal use.

PRODUCT CODE

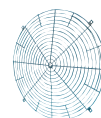
63JMv/20/4/6/35

- 63 - denotes the fan impeller diameter in centimetres
- JMv - denotes fan type
- 20 - denotes impeller hub diameter in centimetres
- 4 - denotes a nominal 4 pole speed
- 6 - denotes the number of blades
- 35 - denotes the pitch angle for the required duty

ACCESSORIES & CONTROLLERS



Damper



Guard



Bellmouth



Flange



Mounting Feet



Rubber AV's



Spring AV's



Flexible Connector



Silencer



Controls Inverter



CASED AXIALS - HT JM & JMv AEROFOIL (F200, F300 and F400)

FEATURES

- 355 - 1000 mm diameter
- Air flow up to 24 m³/s
- Static pressures up to 1170 Pa
- IP55 motor rating
- Fans tested to ISO5801 and BS848
- High energy efficiency
- Low installed noise levels
- Motor protection and terminal box IP55

ELECTRICAL SUPPLY

380-420V/50Hz/3φ

TEMPERATURE RANGE

-40°C to 50°C as standard.

This range is also suitable for Smoke Extraction, rated for 200°C, 300°C or 400°C for a duration of 2 hours - one off emergency operation only. Fans comply with high temperature test standard: EN 12101-3.

SIZES

355, 400, 450, 500, 560, 630, 710, 800, 900 and 1000 mm.

IMPELLERS

Our impeller design includes features such as our unique high efficiency, high twist aerofoil section blades (JMv), which are fitted into an aerodynamically optimised hub and clamp plate, that allows pitch angles to be adjusted to precisely match customer needs.

Fläkt Woods impeller blades are all manufactured from high pressure die cast aluminium, which enables us to offer thin aerofoil sections that reduce noise generation.

Every cast aluminium component is X-ray examined using Real Time Radiography inspection prior to assembly to ensure that high quality is maintained. The maximum pitch angles shown are based on speed control by frequency inverter. When using an inverter with a dual mode fan which is capable of delivering both a normal ventilation and HT smoke extraction functions, the inverter must be switched out of circuit during a fire scenario.

This range is available in Form B only (air entering the impeller first)

MOTORS

Fläkt Woods HT Series fans utilise a totally enclosed squirrel cage motor design which features insulation standards selected to specifically meet the requirements of each HT Category. These motors are suitable for inverter speed control down to 20% of full speed. Motors are either IE2 or IE3 efficiency grade as stated within the technical data shown.

TEMPERATURE RANGE

Fans are tested in compliance with high temperature test standard directive 89/106/EEC to EN 12101-3, and are fully CE marked accordingly.



CE CERTIFIED

Fläkt Woods HT Series fan motors are capable of allowing fans to be run continuously at normal ambient temperatures (-40°C to 50°C), as well as operating at their emergency high temperature category (once off usage). See temperature range for details.

Note: During emergency use the inverter should be by-passed and the fan run at full speed.

CASINGS

HT JM & JMv Aerofoil fans are available in long cased form, complete with an externally mounted pre-wired electrical terminal box. Casings are spun from sheet steel with integral pre-drilled and radiused inlet flanges. The galvanised finish gives a high resistance to corrosion and is ideal for external as well as internal use.

PRODUCT CODE

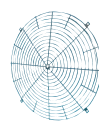
HT63JM/20/4/6/36

- HT - denotes high temperature fan
- 63 - denotes the fan impeller diameter in centimetres
- JM - denotes axial fan family
- 20 - denotes impeller hub diameter in centimetres
- 4 - denotes a nominal 4 pole speed
- 6 - denotes the number of blades
- 36 - denotes the pitch angle for the required duty

ACCESSORIES & CONTROLLERS



Damper



Guard



Bellmouth



Flange



Mounting Feet



Silencer



Spring AV's



Rubber AV's
(200°C Max)

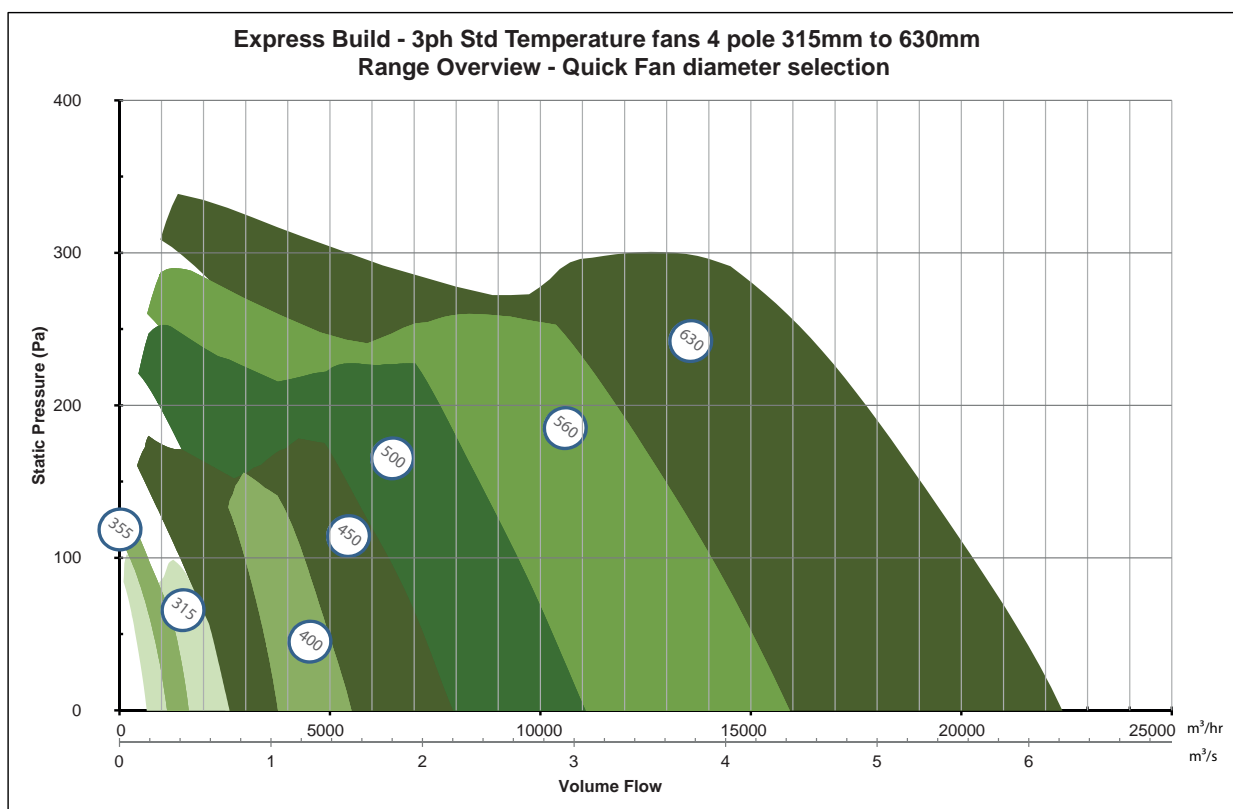
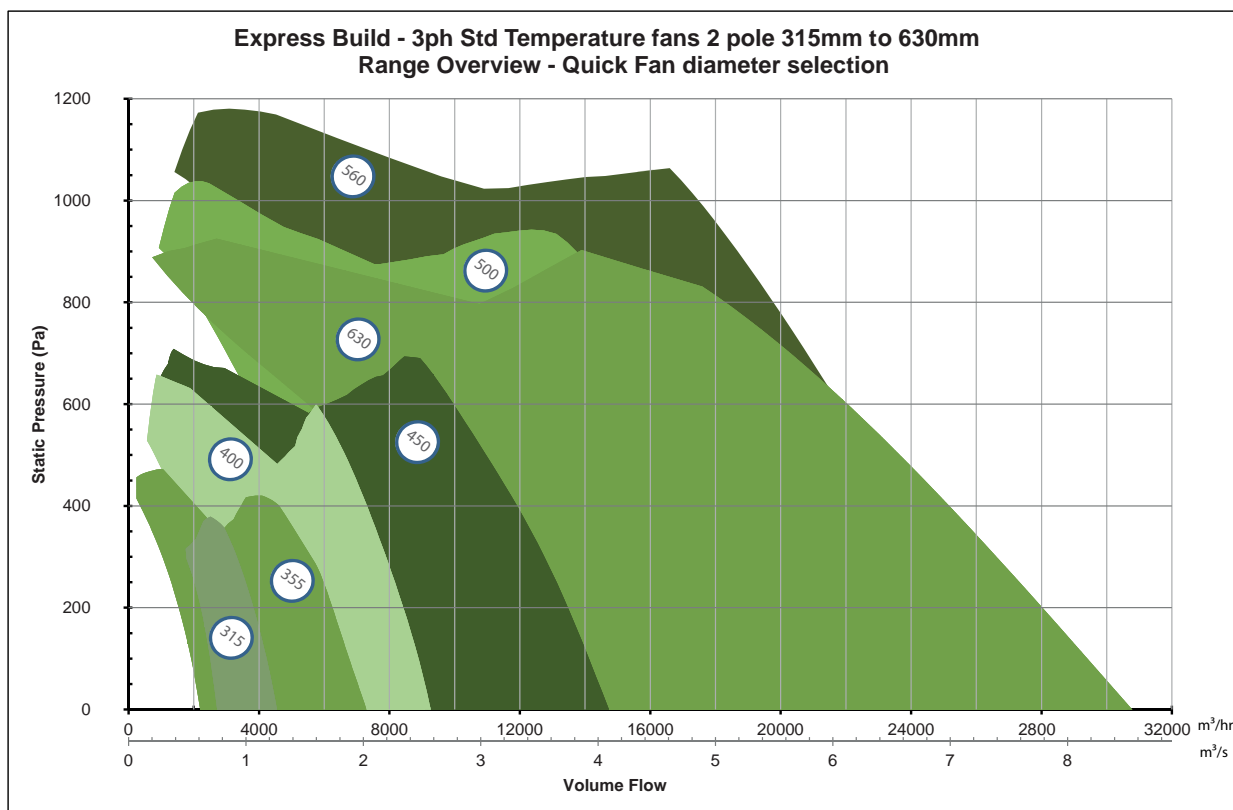


Flexible
Connector



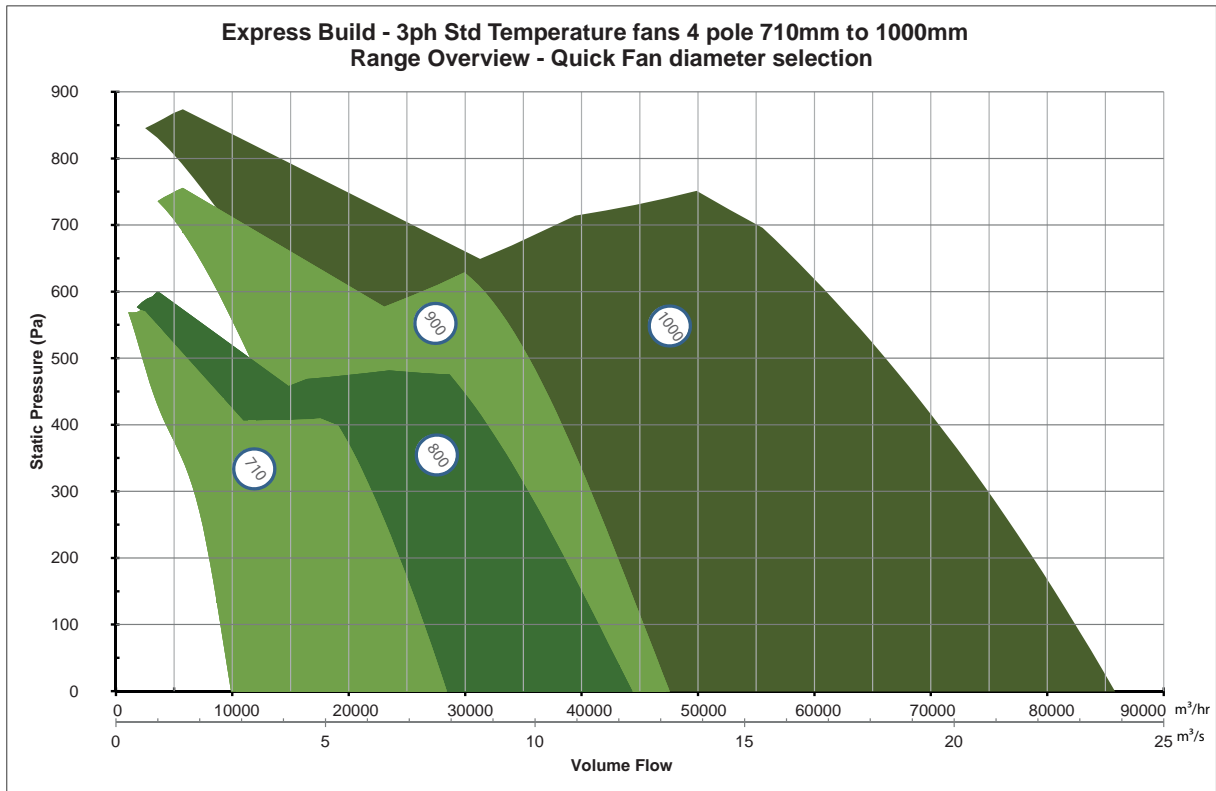
Controls
Inverter

50°C QUICK SELECTION CHARTS





50°C QUICK SELECTION CHARTS

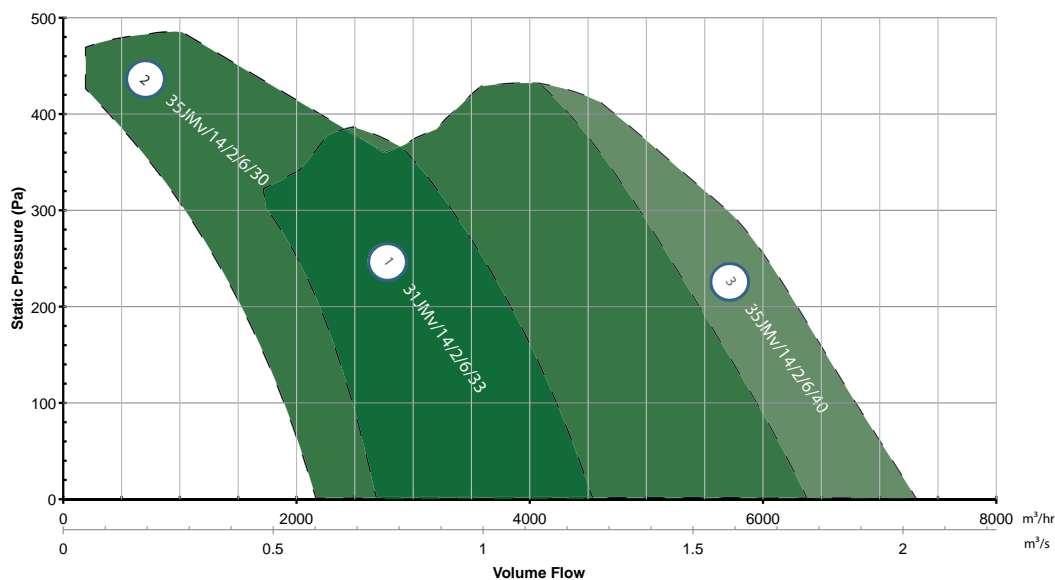


PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH STD TEMPERATURE JMv - 315MM & 355MM 2 POLE



PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m ³ /s @ Pa (Static)													
		0	50	100	150	200	250	300	400	500	600	700	800	900	1000
1	31JMv/14/2/6/33	1.26	1.22	1.17	1.12	1.06	0.99	0.92							
2	35JMv/14/2/6/30	1.76	1.70	1.64	1.57	1.50	1.43	1.36	1.18						
3	35JMv/14/2/6/40	2.02	1.95	1.87	1.80	1.73	1.66								

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Pole	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
1	31JMv/14/2/6/33	AVAL-100-1-XX	15	33	2760	2	BT9 (IE1)	0.58	1.45	5.70	CD3020	N/A	63
2	35JMv/14/2/6/30	AVAL-100-2-XX	2	30	2760	2	80 (IE2)	0.90	1.95	9.75	CD3020	IDDXF54-2.2	64
3	35JMv/14/2/6/40	AVAL-100-3-XX	2	40	2760	2	80 (IE2)	1.32	2.80	14.5	CD3020	IDDXF54-5.3	68

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.

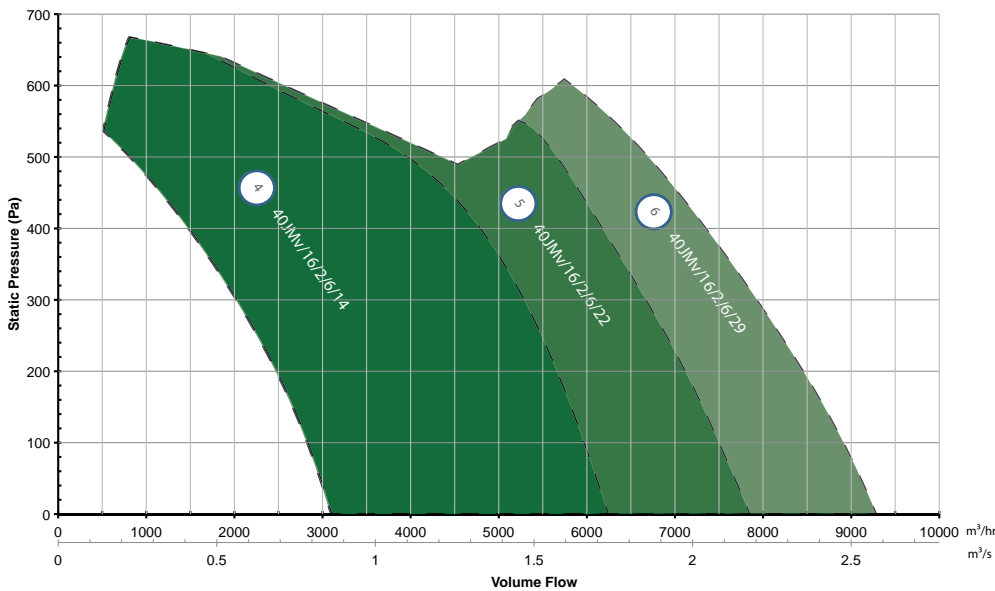


PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH STD TEMPERATURE JMv - 400MM 2 POLE



PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	50	100	150	200	250	300	400	500	600	700	800	900	1000
4	40JMv/16/2/6/14	1.73	1.69	1.65	1.61	1.57	1.52	1.46	1.32	1.07	0.63				
5	40JMv/16/2/6/22	2.18	2.13	2.08	2.03	1.97	1.91	1.85	1.71	1.56					
6	40JMv/16/2/6/29	2.57	2.52	2.46	2.40	2.34	2.26	2.19	2.03	1.84	1.59				

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
4	40JMv/16/2/6/14	AVAL-100-4-XX	2	14	2760	2	80 (IE2)	0.90	1.95	9.75	CD3020	IDDXF54-2.2	67
5	40JMv/16/2/6/22	AVAL-100-5-XX	2	22	2760	2	80 (IE2)	1.32	2.80	14.50	CD3020	IDDXF54-5.3	69
6	40JMv/16/2/6/29	AVAL-100-6-XX	2	29	2760	2	80 (IE2)	1.73	3.59	18.30	CD3020	IDDXF54-5.3	72

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

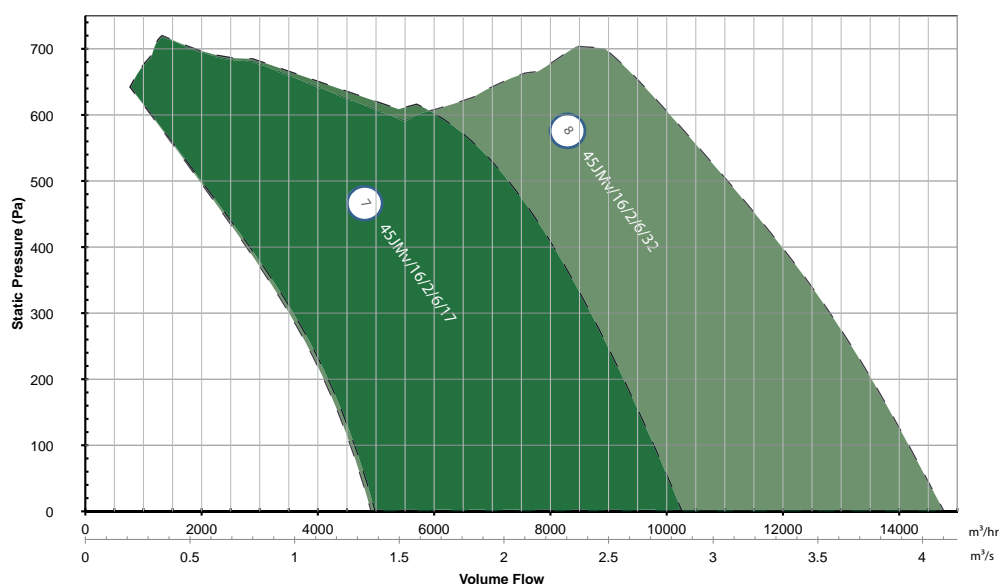
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH STD TEMPERATURE JMv - 450MM 2 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	50	100	150	200	250	300	400	500	600	700	800	900	1000
7	45JMv/16/2/6/17	2.84	2.78	2.71	2.64	2.56	2.48	2.40	2.22	2.00	1.63				
8	45JMv/16/2/6/32	4.09	4.00	3.92	3.83	3.74	3.64	3.54	3.30	3.04	2.76				

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
7	45JMv/16/2/6/17	AVAL-100-7-XX	2	17	2780	2	80 (IE2)	1.73	3.59	18.30	CD3020	IDDXF54-5.3	67
8	45JMv/16/2/6/32	AVAL-100-8-XX	2	32	2780	2	L90L (IE2)	3.45	7.00	44.10	CD3020	IDDXF54-7.2	72

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

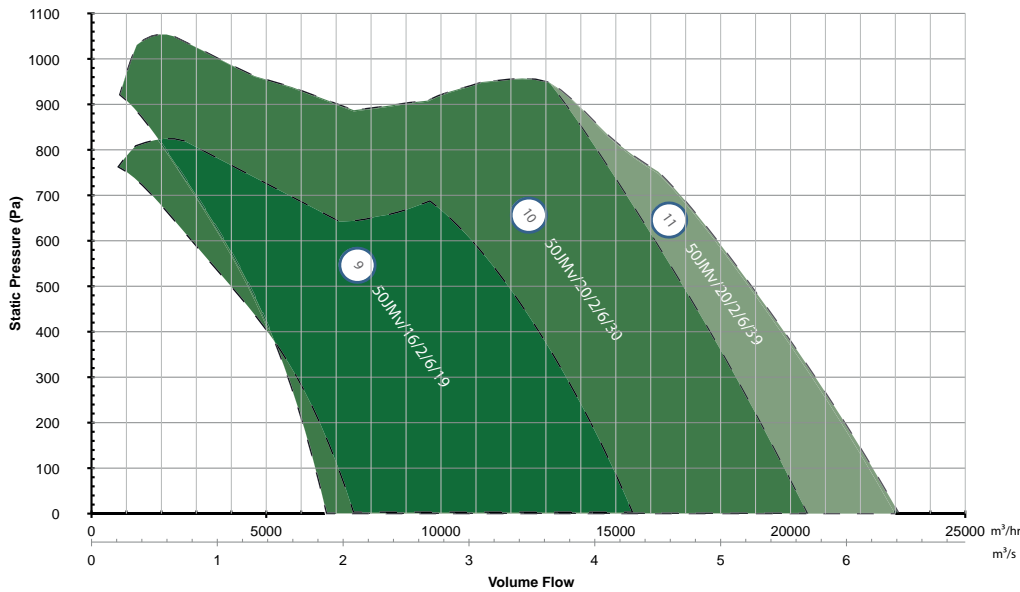
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH STD TEMPERATURE JMv - 500MM 2 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	50	100	150	200	250	300	400	500	600	700	800	900	1000
9	50JMv/16/2/6/19	15480	15192	14904	14580	14256	13896	13536	12780	11880	10836				
10	50JMv/20/2/6/30	20448	20088	19764	19440	19080	18720	18360	17640	16848	16056	15228	14364	13428	
11	50JMv/20/2/6/39	23040	22680	22284	21888	21456	21060	20628	19728	18792	17784	16704			

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
9	50JMv/16/2/6/19	AVAL-100-9-XX	2	19	2780	2	L90L (IE2)	3.45	7.00	44.10	CD3020	IDDXF54-7.2	76
10	50JMv/20/2/6/30	AVAL-100-10-XX	2	30	2840	2	I12M (IE2)	6.20	11.7	77.20	CD3018	IDDXF54-15.5	81
11	50JMv/20/2/6/39	AVAL-100-11-XX	2	39	2840	2	L112M (IE2)	8.63	16.4	115.00	CD3018	IDDXF54-23	84

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

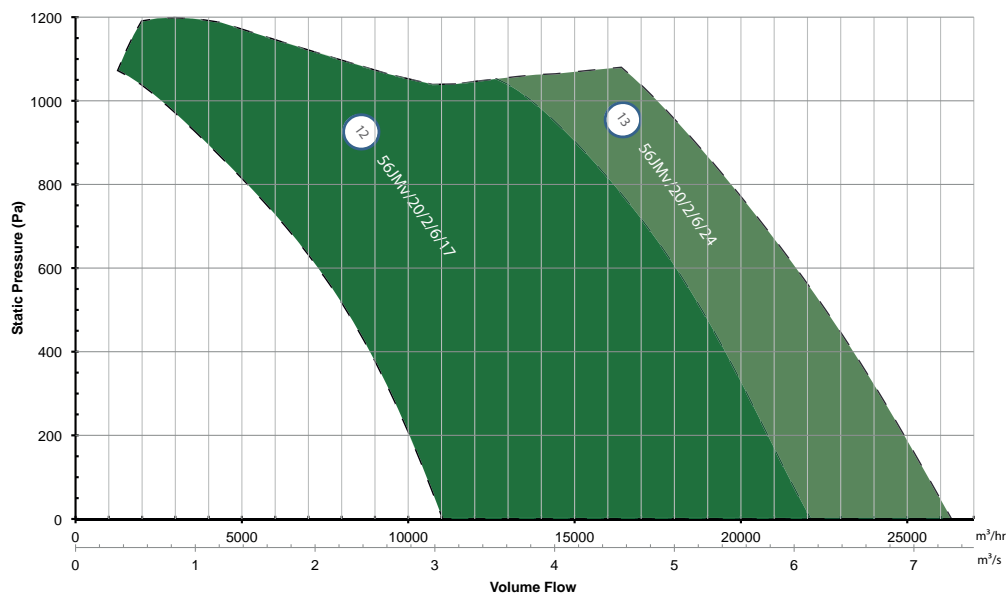
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.

PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH STD TEMPERATURE JMv 560MM 2 POLE



PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	50	100	150	200	250	300	400	500	600	700	800	900	1000
12	56JMv/20/2/6/17	6.19	6.09	6.00	5.92	5.83	5.74	5.65	5.46	5.27	5.04	4.79	4.50	4.18	3.78
13	56JMv/20/2/6/24	7.37	7.27	7.17	7.07	6.97	6.86	6.76	6.53	6.30	6.05	5.77	5.49	5.18	4.85

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
12	56JMv/20/2/6/17	AVAL-100-12-XX	2	17	2860	2	112M (IE2)	6.20	11.7	77.20	CD3018	IDDXF54-15.5	69
13	56JMv/20/2/6/24	AVAL-100-13-XX	2	24	2860	2	L112M (IE2)	8.63	16.4	115	cd3018	IDDXF54-23	70

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

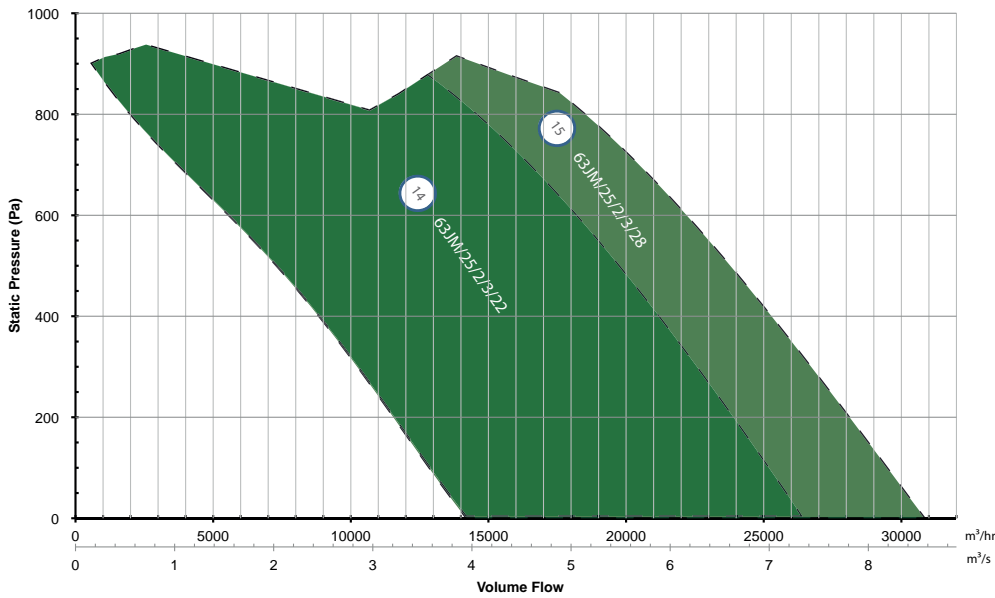
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH STD TEMPERATURE JM 630MM 2 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	20	40	60	80	100	125	150	175	200	225	250	275	300
14	63JM/25/2/3/22	7.31	7.14	6.96	6.79	6.61	6.42	6.24	5.85	5.45	5.01	4.54	3.99		
15	63JM/25/2/3/28	8.55	8.35	8.16	7.97	7.78	7.59	7.39	6.99	6.57	6.12	5.63	5.08		

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
14	63JM/25/2/3/22	AJSL-100-1-XX	8	22	2910	2	112M (IE2)	6.20	11.7	77.2	CD2417	IDDXF54-15.5	75
15	63JM/25/2/3/28	AJSL-100-2-XX	8	28	2910	2	L112M (IE2)	8.63	16.4	115.0	CD2417	IDDXF54-23	79

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

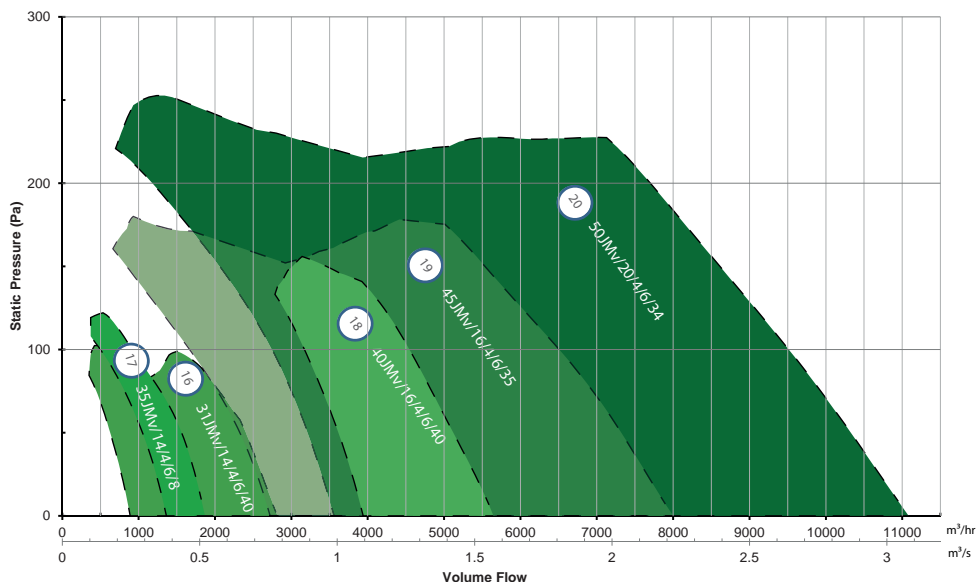
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.

PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH STD TEMPERATURE JMv 315MM TO 500MM 4 POLE



PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m ³ /s @ Pa (Static)													
		0	20	40	60	80	100	125	150	175	200	225	250	275	300
16	31JMv/14/4/6/40	0.72	0.68	0.63											
17	35JMv/14/4/6/8	0.45	0.43	0.39	0.34	0.27	0.18								
18	40JMv/16/4/6/40	1.53	1.47	1.41	1.35	1.28	1.21	1.12							
19	45JMv/16/4/6/35	2.20	2.12	2.04	1.96	1.87	1.77	1.63	1.50	1.35					
20	50JMv/20/4/6/34	3.07	2.98	2.90	2.81	2.72	2.62	2.50	2.37	2.24	2.11	1.97			

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
16	31JMv/14/4/6/40	AVAL-100-14-XX	2	40	1410	4	BT4 (IE1)	0.10	0.36	1.00	CD3020	IDDXF54-2.2	49
17	35JMv/14/4/6/8	AVAL-100-15-XX	2	8	1410	4	BT4 (IE1)	0.04	0.20	0.62	CD3020	N/A	48
18	40JMv/16/4/6/40	AVAL-100-16-XX	20	40	1400	4	80 (IE2)	0.90	1.92	9.79	CD3020	IDDXF54-2.2	57
19	45JMv/16/4/6/35	AVAL-100-17-XX	2	35	1400	4	80 (IE2)	0.66	1.49	7.37	CD3020	IDDXF54-2.2	57
20	50JMv/20/4/6/34	AVAL-100-18-XX	2	34	1400	4	80 (IE2)	0.90	1.92	9.79	CD3020	IDDXF54-2.2	62

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.

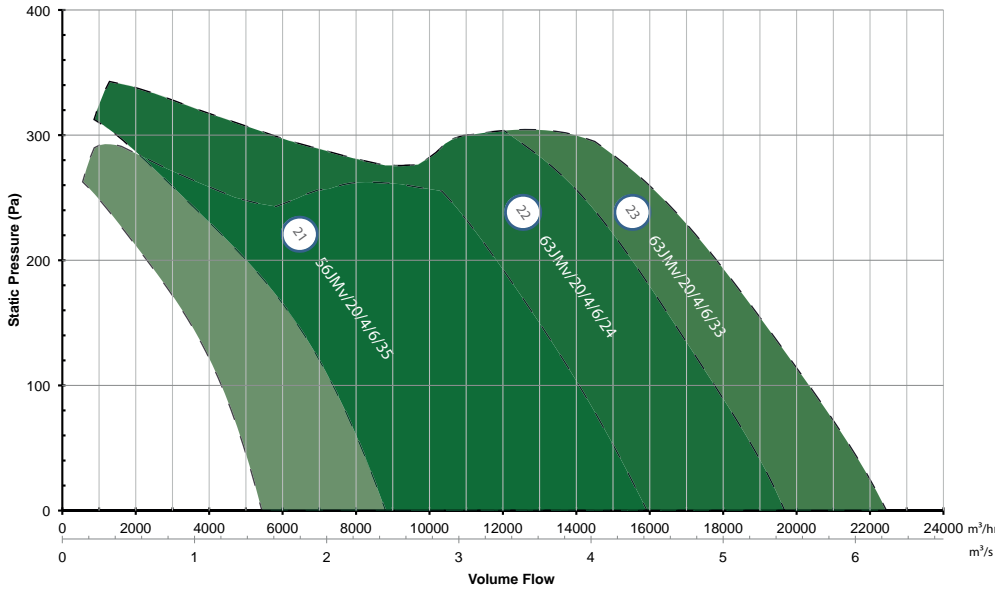


PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH STD TEMPERATURE JMv - 560MM & 630MM 4 POLE



PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	20	40	60	80	100	125	150	175	200	225	250	275	300
21	56JMv/20/4/6/35	4.42	4.32	4.22	4.12	4.01	3.90	3.76	3.60	3.44	3.27	3.10	2.90		
22	63JMv/20/4/6/24	5.45	5.37	5.27	5.16	5.04	4.92	4.76	4.61	4.45	4.29	4.12	3.91	3.66	
23	63JMv/20/4/6/33	6.22	6.12	6.01	5.89	5.76	5.63	5.46	5.28	5.11	4.92	4.72	4.50	4.23	

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
21	56JMv/20/4/6/35	AVAL-100-19-XX	2	35	1400	4	90L (IE2)	1.80	3.76	20.54	CD3020	IDDXF54-5.3	64
22	63JMv/20/4/6/24	AVAL-100-20-XX	2	24	1400	4	90L (IE2)	1.80	3.76	20.54	CD3020	IDDXF54-5.3	73
23	63JMv/20/4/6/33	AVAL-100-21-XX	2	33	1400	4	100L (IE2)	2.64	5.49	30.62	CD3020	IDDXF54-7.2	73

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

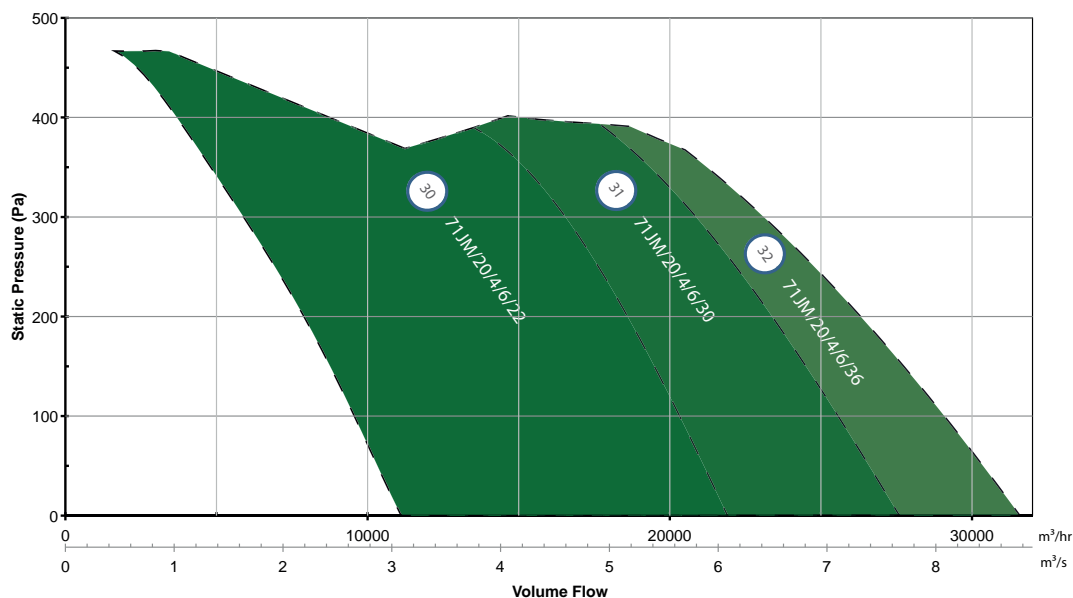
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.

PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH STD TEMPERATURE JM - 710MM - 6 BLADES 4 POLE



PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	25	50	75	100	125	150	175	200	225	250	300	350	400
30	71JM/20/4/6/22	6.08	5.97	5.86	5.75	5.63	5.51	5.39	5.14	4.86	4.71	4.55	4.14		
31	71JM/20/4/6/30	7.64	7.50	7.36	7.22	7.07	6.92	6.77	6.45	6.11	5.93	5.73	5.28		
32	71JM/20/4/6/36	8.74	8.57	8.40	8.22	8.03	7.85	7.65	7.25	6.81	6.58	6.33	5.79		

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
30	71JM/20/4/6/22	AJSL-100-3-XX	8	22	1440	4	100L (IE2)	2.64	5.49	30.74	CD2416	IDDXF54-7.2	66
31	71JM/20/4/6/30	AJSL-100-4-XX	8	30	1440	4	100L (IE2)	3.60	7.29	40.11	CD2416	IDDXF54-9	68
32	71JM/20/4/6/36	AJSL-100-5-XX	8	36	1440	4	112M (IE2)	4.80	9.69	49.42	CD2417	IDDXF54-12	70

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.

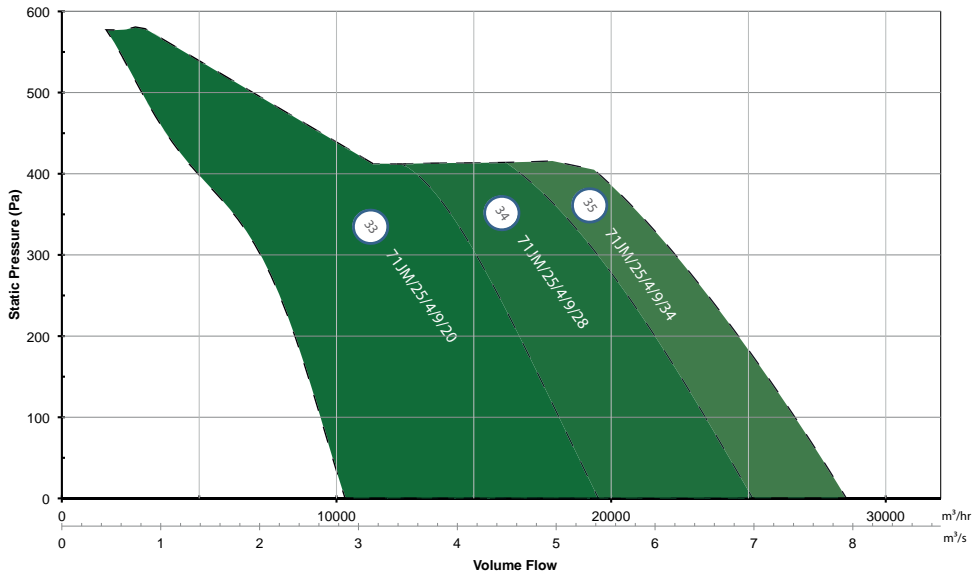


PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH STD TEMPERATURE JM - 710MM - 9 BLADES 4 POLE



PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	25	50	75	100	125	150	175	200	225	250	300	350	400
33	71JM/25/4/9/20	5.35	5.24	5.14	5.04	4.94	4.83	4.73	4.52	4.31	4.19	4.07	3.81	3.41	
34	71JM/25/4/9/28	6.93	6.81	6.69	6.56	6.44	6.31	6.18	5.91	5.63	5.47	5.31	4.95	4.49	
35	71JM/25/4/9/34	7.89	7.76	7.63	7.49	7.36	7.21	7.07	6.77	6.45	6.28	6.11	5.73		

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
33	71JM/25/4/9/20	AJSL-100-6-XX	8	20	1440	4	100L (IE2)	2.64	5.49	30.74	CD2416	IDDXF54-7.2	64
34	71JM/25/4/9/28	AJSL-100-7-XX	8	28	1440	4	100L (IE2)	3.60	7.29	40.11	CD2416	IDDXF54-9	66
35	71JM/25/4/9/34	AJSL-100-8-XX	8	34	1440	4	112M (IE2)	4.80	9.69	49.42	CD2417	IDDXF54-12	68

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

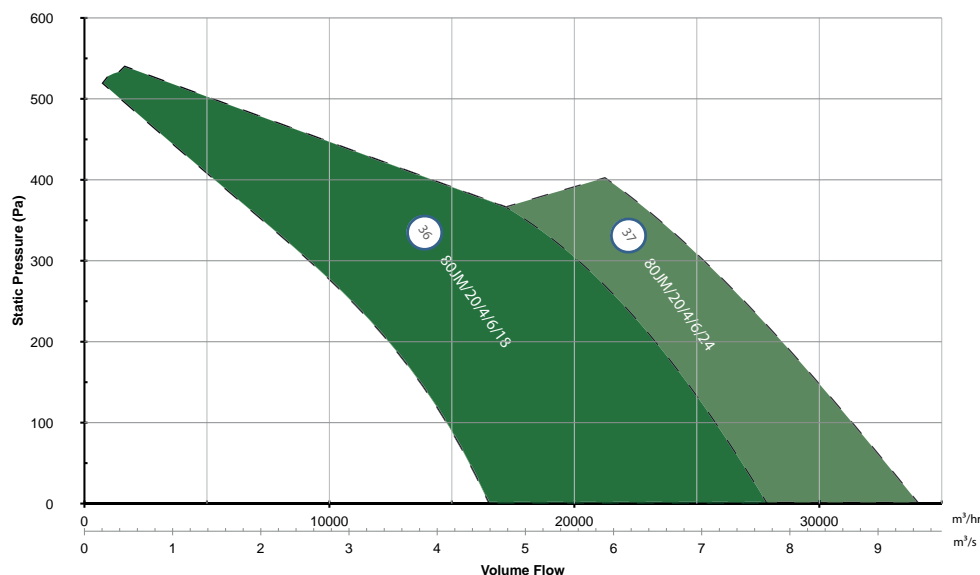
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH STD TEMPERATURE JM - 800MM - 6 BLADES 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m ³ /s @ Pa (Static)													
		0	25	50	75	100	125	150	175	200	225	250	300	350	400
36	80JM/20/4/6/18	7.73	7.59	7.44	7.29	7.14	6.98	6.81	6.45	6.04	5.81	5.56	4.95		
37	80JM/20/4/6/24	9.43	9.24	9.05	8.86	8.67	8.47	8.27	7.86	7.43	7.21	6.97	6.46		

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
36	80JM/20/4/6/18	AJSL-100-9-XX	8	18	1440	4	100L (IE2)	3.60	7.29	40.11	CD2416	IDDXF54-9	70
37	80JM/20/4/6/24	AJSL-100-10-XX	8	24	1440	4	112M (IE2)	4.80	9.69	49.42	CD2417	IDDXF54-12	71

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

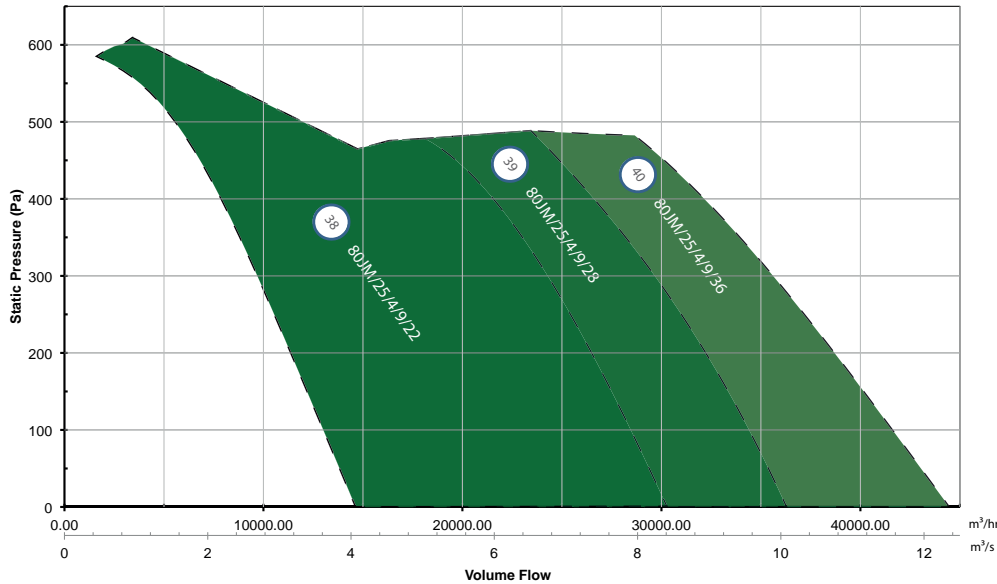
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH STD TEMPERATURE JM - 800MM - 9 BLADES 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	25	50	75	100	125	150	175	200	225	250	300	350	400
38	80JM/25/4/9/22	8.40	8.28	8.15	8.02	7.89	7.76	7.62	7.34	7.04	6.89	6.72	6.36	5.95	5.39
39	80JM/25/4/9/28	10.06	9.93	9.80	9.67	9.53	9.39	9.24	8.92	8.58	8.39	8.2	7.79	7.34	6.85
40	80JM/25/4/9/36	12.32	12.12	11.92	11.72	11.52	11.32	11.11	10.70	10.28	10.06	9.84	9.37	8.86	8.29

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
38	80JM/25/4/9/22	AJSL-100-11-XX	8	22	1440	4	112M (IE2)	4.80	9.69	49.42	CD2417	IDDXF54-12	71
39	80JM/25/4/9/28	AJSL-100-12-XX	8	28	1440	4	L112M (IE2)	6.33	13.00	81.90	CD2417	IDDXF54-15.5	71
40	80JM/25/4/9/36	AJSL-100-13-XX	8	36	1440	4	132M (IE2)	9.00	17.10	100.89	CD2417	IDDXF54-23	74

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

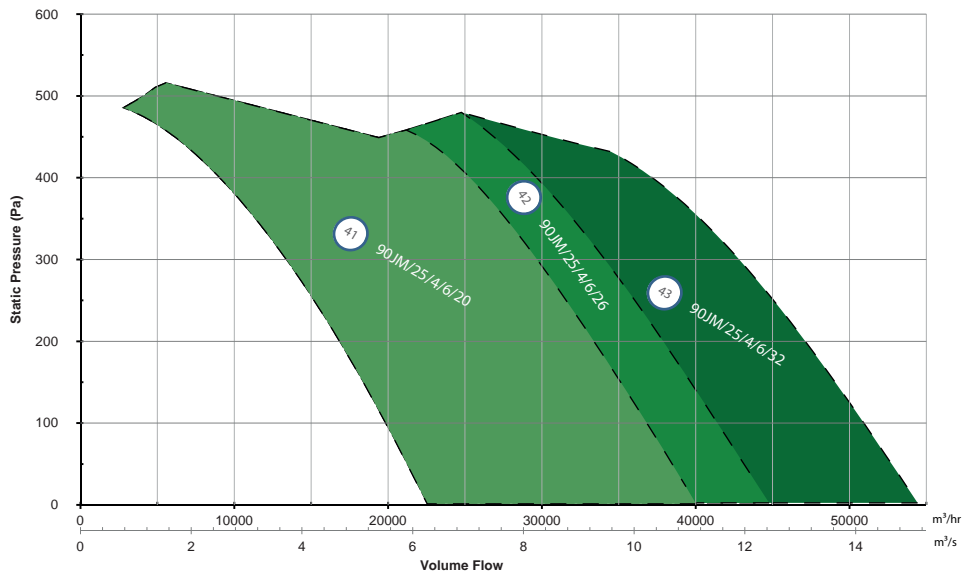
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH STD TEMPERATURE JM 900MM - 6 BLADES 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m ³ /s @ Pa (Static)													
		0	50	100	150	200	250	300	350	400	450	500	600	700	800
41	90JM/25/4/6/20	11.11	10.67	10.22	9.74	9.26	8.77	8.24	7.67	7.03	6.11				
42	90JM/25/4/6/26	12.43	11.96	11.48	11.00	10.50	9.99	9.45	8.87	8.23	7.46				
43	90JM/25/4/6/32	15.11	14.62	14.12	13.61	13.07	12.50	11.88	11.18	10.32					

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
41	90JM/25/4/6/20	AJSL-100-14-XX	8	20	1440	4	112M (IE2)	4.80	9.69	49.42	CD2417	IDDXF54-12	75
42	90JM/25/4/6/26	AJSL-100-15-XX	8	24	1440	4	L112M (IE2)	6.33	13.00	81.90	CD2417	IDDXF54-15.5	74
43	90JM/25/4/6/32	AJSL-100-16-XX	8	32	1440	4	132M (IE2)	9.00	17.10	100.89	CD2417	IDDXF54-23	78

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

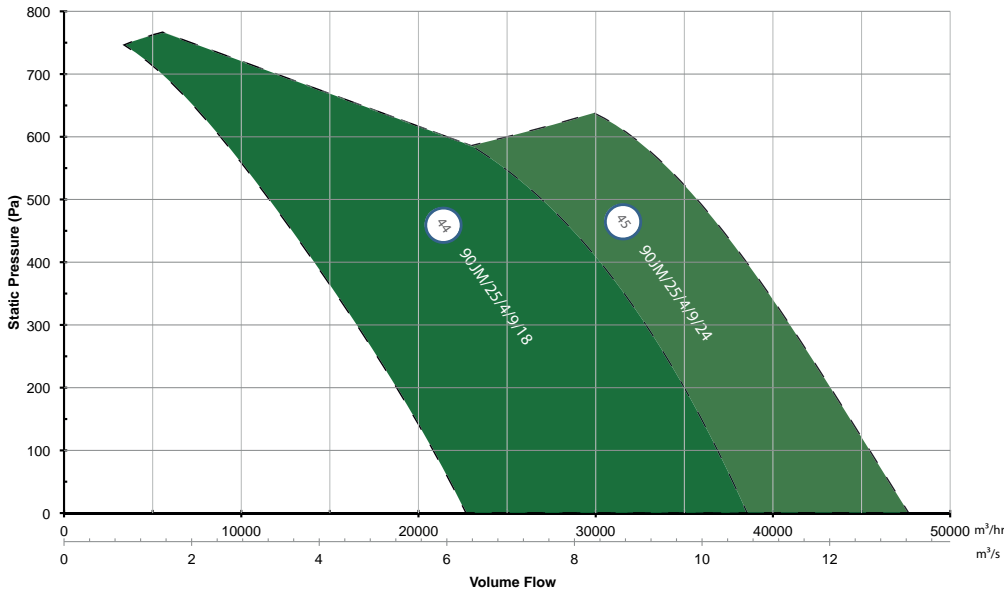
For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA
3PH STD TEMPERATURE JM - 900MM - 9 BLADES 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	50	100	150	200	250	300	350	400	450	500	600	700	800
44	90JM/25/4/9/18	10.70	10.47	10.23	9.97	9.70	9.41	9.09	8.75	8.36	7.93	7.42			
45	90JM/25/4/9/24	13.21	12.90	12.60	12.29	11.97	11.65	11.33	11.00	10.64	10.26	9.85	8.79		

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
44	90JM/25/4/9/18	AJSL-100-17-XX	8	18	1440	4	L112M (IE2)	6.33	13.00	81.90	CD2417	IDDXF54-15.5	74
45	90JM/25/4/9/24	AJSL-100-18-XX	8	24	1440	4	132M (IE2)	9.00	17.10	100.89	CD2417	IDDXF54-23	75

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

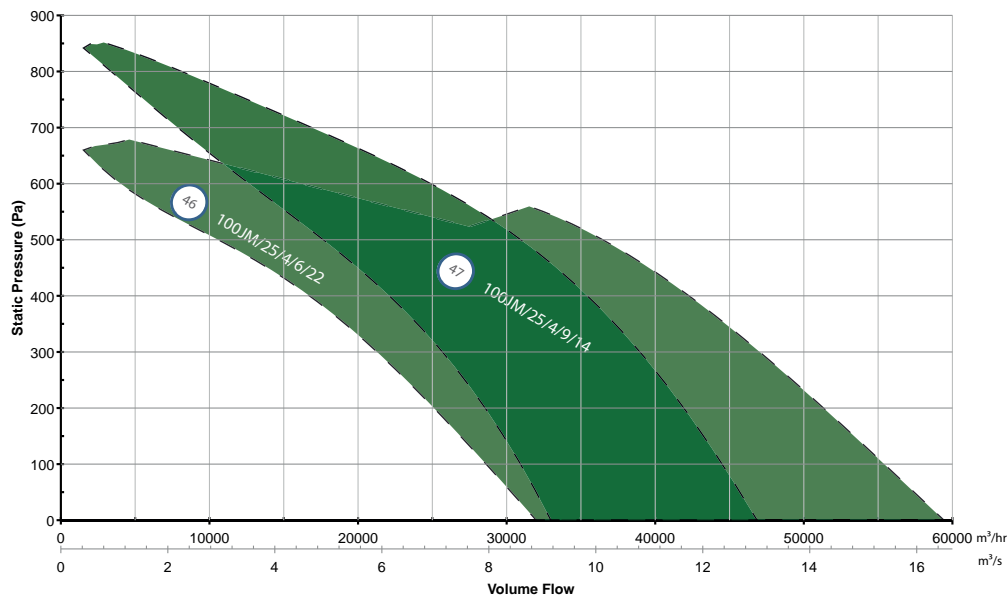
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH STD TEMPERATURE JM - 1000MM - 250MM HUB 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	50	100	150	200	250	300	350	400	450	500	600	700	800
46	100JM/25/4/6/22	16.46	15.91	15.35	14.78	14.21	13.62	13.01	12.37	11.68	10.92	10.04			
47	100JM/25/4/9/14	13.00	12.65	12.35	12.02	11.63	11.21	10.77	10.30	9.80	9.22	8.53	6.75	4.51	2.00

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
46	100JM/25/4/6/22	AJSL-100-19-XX	8	22	1440	4	132M (IE2)	9.00	17.10	100.89	CD2417	IDDXF54-23	81
47	100JM/25/4/9/14	AJSL-100-20-XX	8	14	1440	4	132M (IE2)	9.00	17.10	100.89	CD2417	IDDXF54-23	80

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

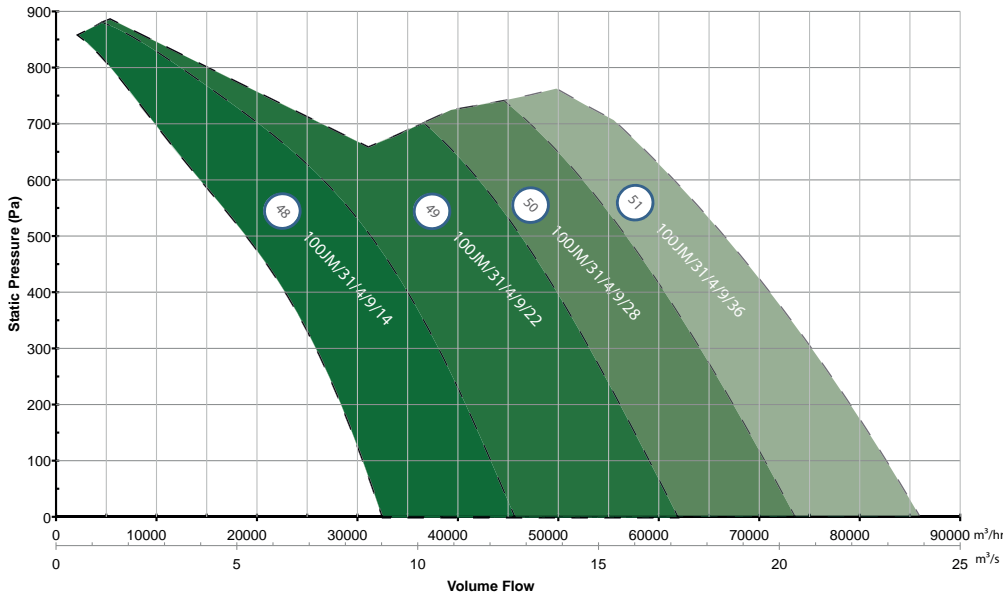
For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA
3PH STD TEMPERATURE JM - 1000MM - 315MM HUB 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	50	100	150	200	250	300	350	400	450	500	600	700	800
48	100JM/31/4/9/14	12.58	12.35	12.04	11.72	11.35	10.96	10.56	10.15	9.71	9.24	8.69	7.30	5.47	3.26
49	100JM/31/4/9/22	12.17	16.80	16.40	15.99	15.58	15.16	14.73	14.28	13.82	13.32	12.80	11.61		
50	100JM/31/4/9/28	11.75	19.98	19.56	19.12	18.68	18.22	17.75	17.27	16.76	16.23	15.68	14.45	12.95	
51	100JM/31/4/9/36	11.33	23.37	22.89	22.40	21.88	21.35	20.80	20.23	19.64	19.01	18.36	16.94		

PRODUCT AND ELECTRICAL TABLE

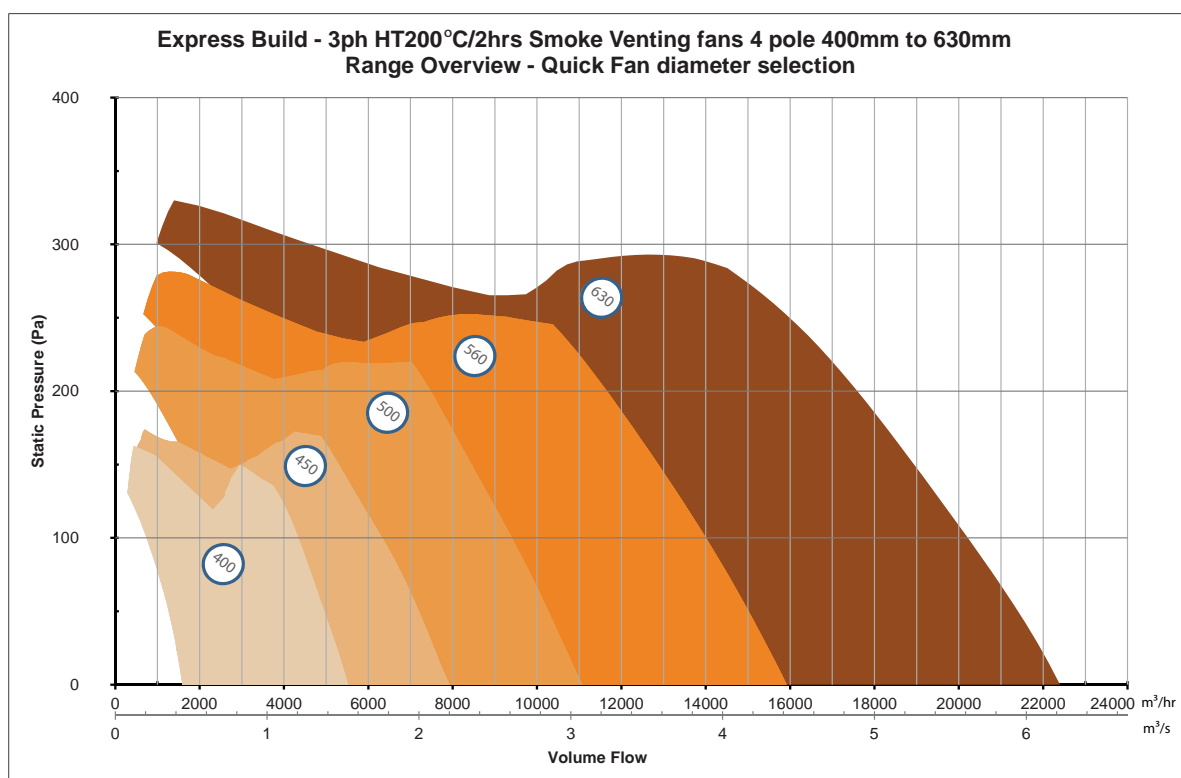
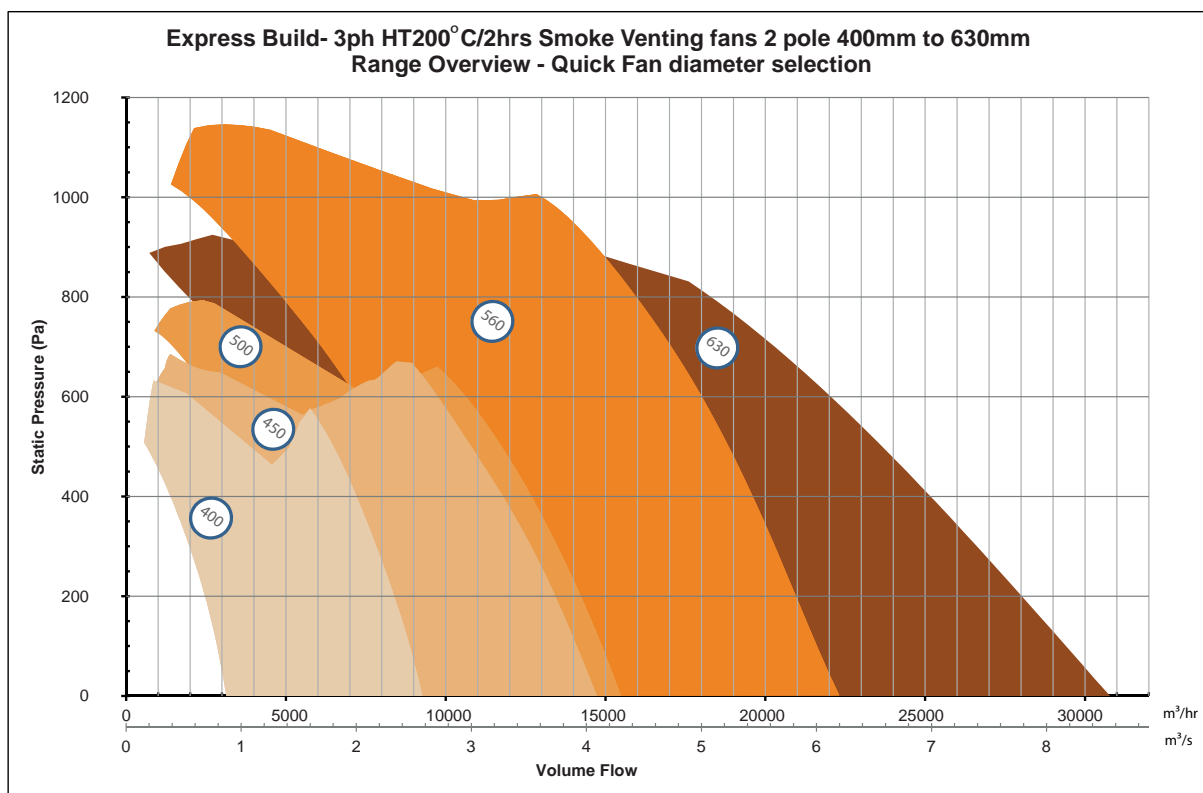
Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
48	100JM/31/4/9/14	AJSL-100-21-XX	8	14	1470	4	132M (IE2)	9.00	17.10	100.89	CD2417	IDDXF54-23	80
49	100JM/31/4/9/22	AJSL-100-22-XX	8	22	1470	4	160M (IE2)	13.20	25.30	136.62	CD2417	IDDXF54-31	81
50	100JM/31/4/9/28	AJSL-100-23-XX	8	28	1470	4	160L (IE2)	18.00	34.21	177.94	CD2417	IDDXF54-37	83
51	100JM/31/4/9/36	AJSL-100-24-XX	8	36	1470	4	180L (IE2)	26.40	49.50	277.20	CD2417	IDDXF54-61	86

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

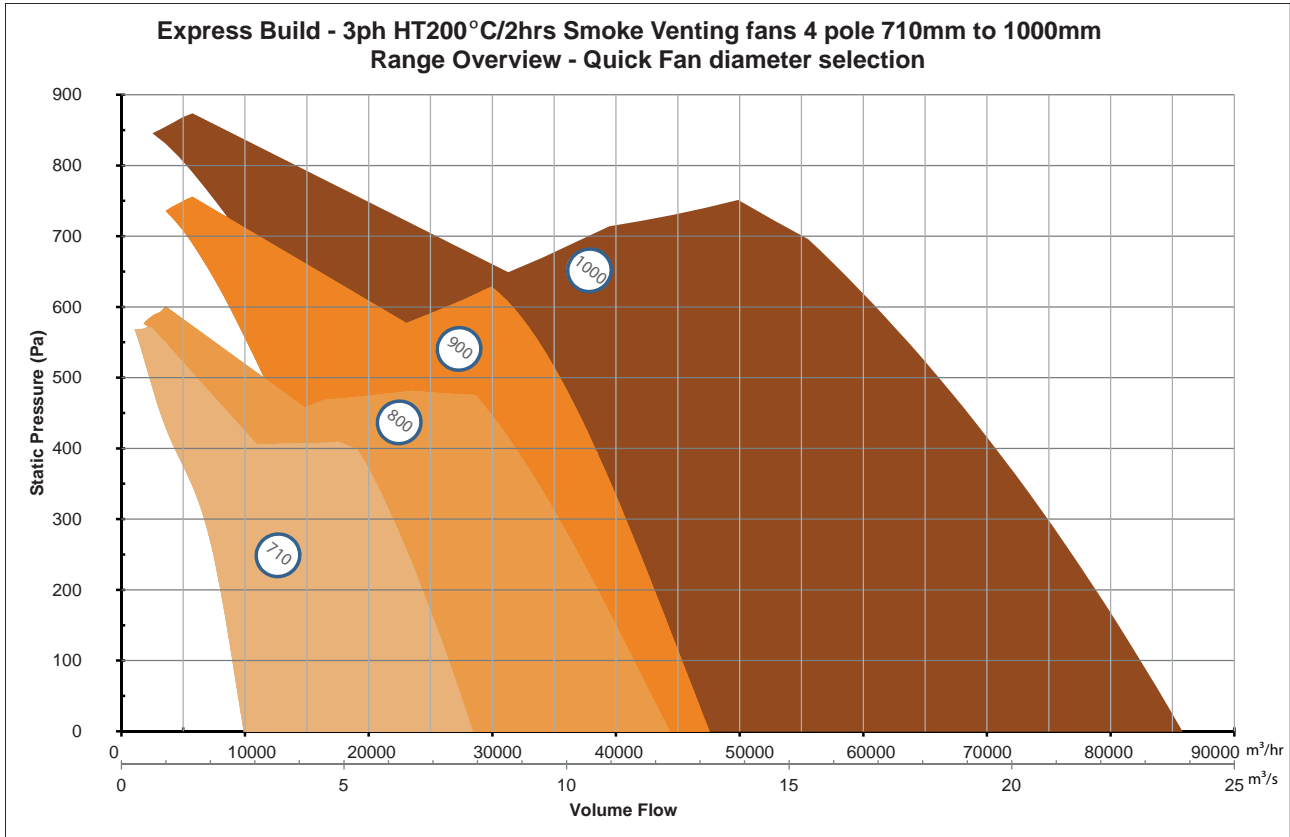
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.

200°C QUICK SELECTION CHARTS





200°C QUICK SELECTION CHARTS

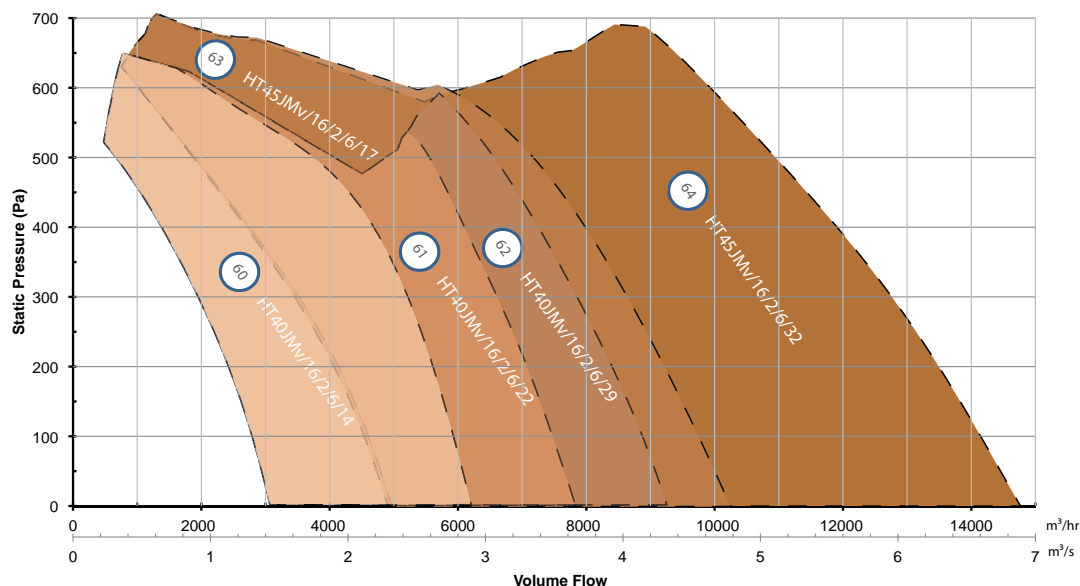




PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 200°C/2HRS HT JMv - 400MM & 450MM 2 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m ³ /s @ Pa (Static)													
		0	50	100	150	200	250	300	400	500	600	700	800	900	1000
60	HT40JMv/16/2/6/14	1.73	1.69	1.65	1.61	1.56	1.50	1.45	1.29	1.00	0.52				
61	HT40JMv/16/2/6/22	2.18	2.13	2.08	2.02	1.96	1.90	1.83	1.68	1.52					
62	HT40JMv/16/2/6/29	2.57	2.52	2.46	2.40	2.32	2.25	2.17	2.00	1.80					
63	HT45JMv/16/2/6/17	2.84	2.77	2.70	2.63	2.55	2.47	2.39	2.20	1.96					
64	HT45JMv/16/2/6/32	4.09	4.00	3.91	3.82	3.73	3.62	3.51	3.27	2.99	2.70				

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
60	HT40JMv/16/2/6/14	AVHL-200-1-XX	2	14	2760	2	80 (IE2)	0.90	1.95	9.75	CD3020	IDDXF54-2.2	68
61	HT40JMv/16/2/6/22	AVHL-200-2-XX	2	22	2760	2	80 (IE2)	1.32	2.80	14.5	CD3020	IDDXF54-5.3	69
62	HT40JMv/16/2/6/29	AVHL-200-3-XX	2	29	2760	2	80 (IE2)	1.73	3.59	18.3	CD3020	IDDXF54-5.3	72
63	HT45JMv/16/2/6/17	AVHL-200-4-XX	2	17	2780	2	80 (IE2)	1.73	3.59	18.3	CD3020	IDDXF54-5.3	67
64	HT45JMv/16/2/6/32	AVHL-200-5-XX	2	32	2780	2	L90L (IE2)	3.45	7.00	44.1	CD3020	IDDXF54-7.2	72

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

Inverters can be used for Dual Mode High Temperature fans when fan is operating as a standard ventilation fan. Inverters must be switched out of circuit during a fire scenario.

For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

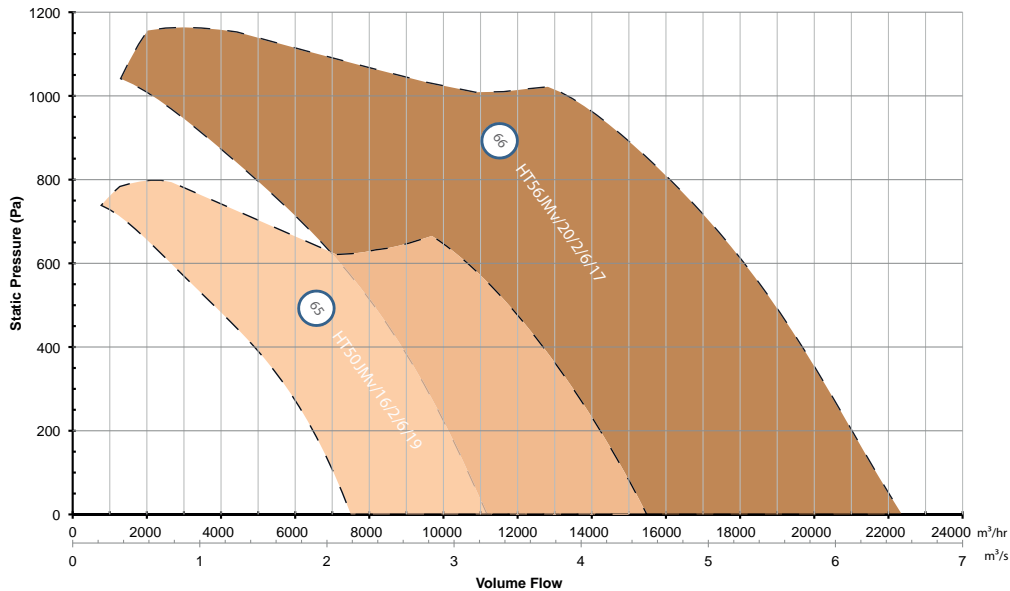
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 200°C/2HRS HT JMv - 500MM & 560MM 2 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	50	100	150	200	250	300	400	500	600	700	800	900	1000
65	HT50JMv/16/2/6/19	4.30	4.22	4.13	4.04	3.95	3.85	3.74	3.52	3.26	2.95				
66	HT56JMv/20/2/6/17	6.19	6.09	6.00	5.91	5.82	5.73	5.63	5.44	5.23	5.00	4.73	4.43	4.09	3.61

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
65	HT50JMv/16/2/6/19	AVHL-200-6-XX	2	19	2780	2	L90L (IE2)	3.45	7.00	44.1	CD3020	IDDXF54-7.2	73
66	HT56JMv/20/2/6/17	AVHL-200-7-XX	2	17	2860	2	112M (IE2)	6.20	11.7	77.2	CD3018	IDDXF54-15.5	68

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

Inverters can be used for Dual Mode High Temperature fans when fan is operating as a standard ventilation fan. Inverters must be switched out of circuit during a fire scenario.

For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

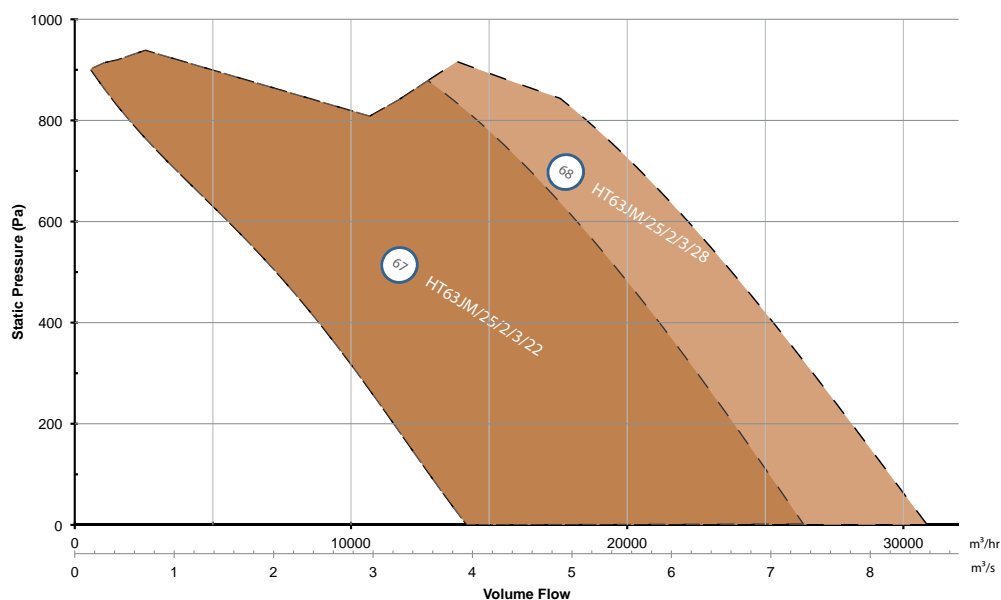
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 200°C/2HRS HT JM - 630MM 2 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	20	40	60	80	100	125	150	175	200	225	250	275	300
67	HT63JM/25/2/3/22	7.31	7.14	6.96	6.79	6.61	6.42	6.24	5.85	5.45	5.01	4.54	3.99		
68	HT63JM/25/2/3/28	8.55	8.35	8.16	7.97	7.78	7.59	7.39	6.99	6.57	6.12	5.63	5.08		

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
67	HT63JM/25/2/3/22	AJHL-200-1-XX	8	22	2910	2	112M (IE2)	6.20	11.7	77.2	CD2417	IDDXF54-15.5	75
68	HT63JM/25/2/3/28	AJHL-200-2-XX	8	28	2910	2	L112M (IE2)	8.63	16.4	115.0	CD2417	IDDXF54-23	79

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

Inverters can be used for Dual Mode High Temperature fans when fan is operating as a standard ventilation fan. Inverters must be switched out of circuit during a fire scenario.

For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

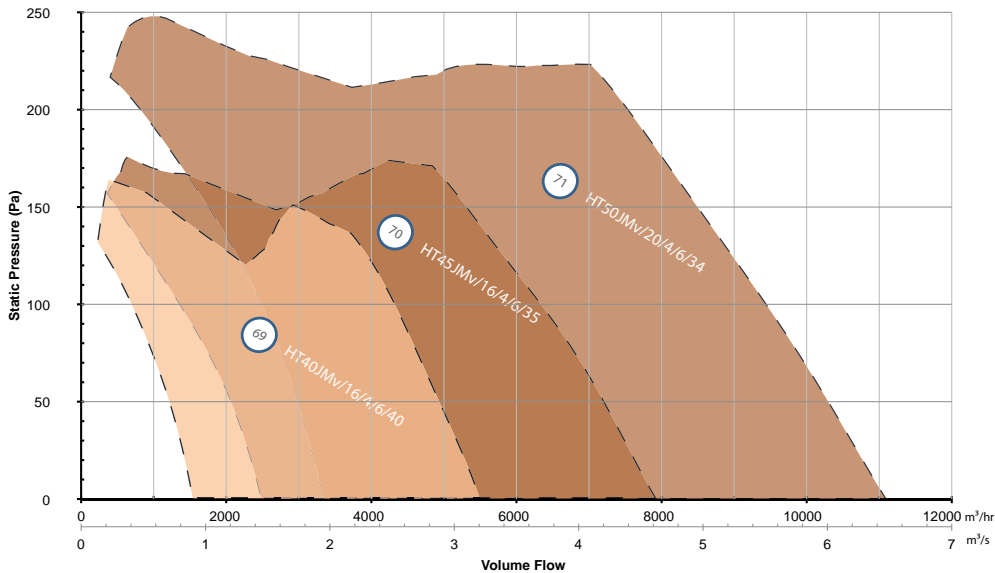
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 200°C/2HRS HT JMv - 400MM, 450MM & 500MM 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m ³ /s @ Pa (Static)													
		0	20	40	60	80	100	125	150	175	200	225	250	275	300
69	HT40JMv/16/4/6/40	1.53	1.47	1.40	1.34	1.27	1.20	1.10							
70	HT45JMv/16/4/6/35	2.20	2.11	2.04	1.95	1.86	1.75	1.61	1.47						
71	HT50JMv/20/4/6/34	3.07	2.98	2.89	2.80	2.71	2.61	2.48	2.34	2.21	2.07				

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
69	HT40JMv/16/4/6/40	AVHL-200-8-XX	2	40	1400	4	80 (IE2)	0.90	1.92	9.79	CD3020	IDDXF54-2.2	57
70	HT45JMv/16/4/6/35	AVHL-200-9-XX	2	35	1400	4	80 (IE2)	0.66	1.49	7.37	CD3020	IDDXF54-2.2	57
71	HT50JMv/20/4/6/34	AVHL-200-10-XX	2	34	1400	4	80 (IE2)	0.90	1.92	9.79	CD3020	IDDXF54-2.2	62

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

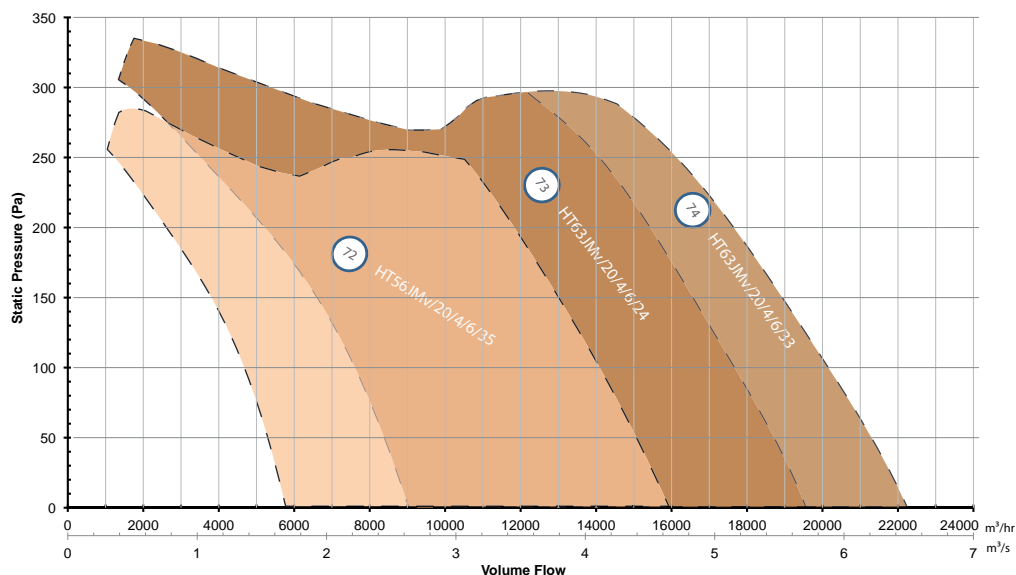
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 200°C/2HRS HT JMv - 560MM & 630MM 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	20	40	60	80	100	125	150	175	200	225	250	275	300
72	HT56JMv/20/4/6/35	4.42	4.32	4.22	4.11	4.00	3.89	3.73	3.57	3.41	3.23	3.05			
73	HT63JMv/20/4/6/24	5.45	5.36	5.26	5.15	5.03	4.90	4.74	4.58	4.42	4.26	4.07	3.86	3.58	
74	HT63JMv/20/4/6/33	6.22	6.11	6.00	5.88	5.75	5.61	5.43	5.26	5.07	4.88	4.68	4.44	4.15	

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
72	HT56JMv/20/4/6/35	AVHL-200-11-XX	2	35	1400	4	90L (IE2)	1.80	3.76	20.54	CD3020	IDDXF54-5.3	64
73	HT63JMv/20/4/6/24	AVHL-200-12-XX	2	24	1400	4	90L (IE2)	1.80	3.76	20.54	CD3020	IDDXF54-5.3	73
74	HT63JMv/20/4/6/33	AVHL-200-13-XX	2	33	1400	4	100L (IE2)	2.64	5.49	30.62	CD3020	IDDXF54-7.2	73

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

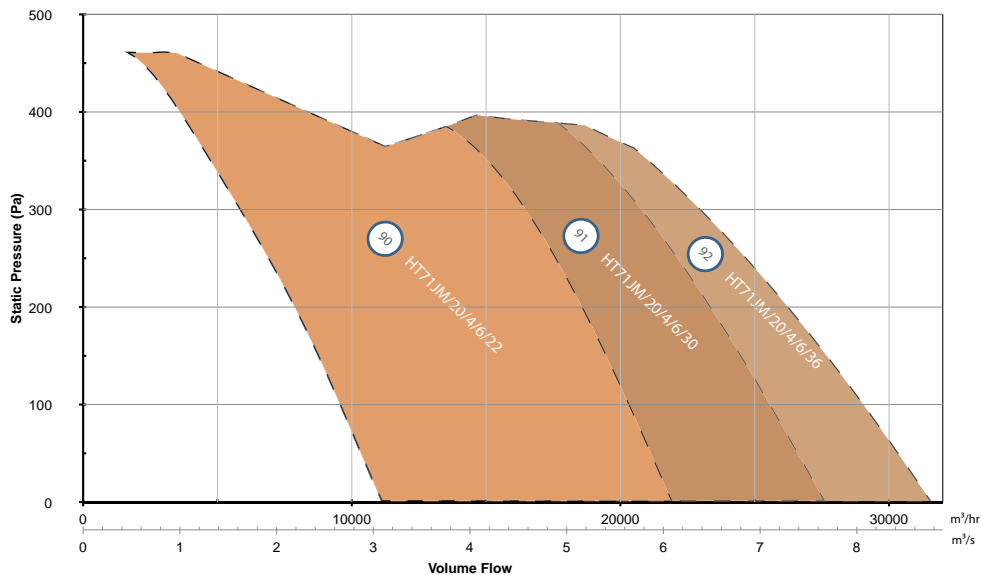
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 200°C/2HRS HT JM - 710MM - 6 BLADES 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	25	50	75	100	125	150	200	250	275	300	350	400	450
90	HT71JM/20/4/6/22	6.08	5.97	5.86	5.75	5.63	5.51	5.39	5.14	4.86	4.71	4.55	4.14		
91	HT71JM/20/4/6/30	7.64	7.50	7.36	7.22	7.07	6.92	6.77	6.45	6.11	5.93	5.73	5.28		
92	HT71JM/20/4/6/36	8.74	8.57	8.40	8.22	8.03	7.85	7.65	7.25	6.81	6.58	6.33	5.79		

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
90	HT71JM/20/4/6/22	AJHL-200-3-XX	8	22	1440	4	100L (IE2)	2.64	5.49	30.74	CD2416	IDDXF54-7.2	66
91	HT71JM/20/4/6/30	AJHL-200-4-XX	8	30	1440	4	100L (IE2)	3.60	7.29	40.11	CD2416	IDDXF54-9	68
92	HT71JM/20/4/6/36	AJHL-200-5-XX	8	36	1440	4	112M (IE2)	4.80	9.69	49.42	CD2417	IDDXF54-12	70

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

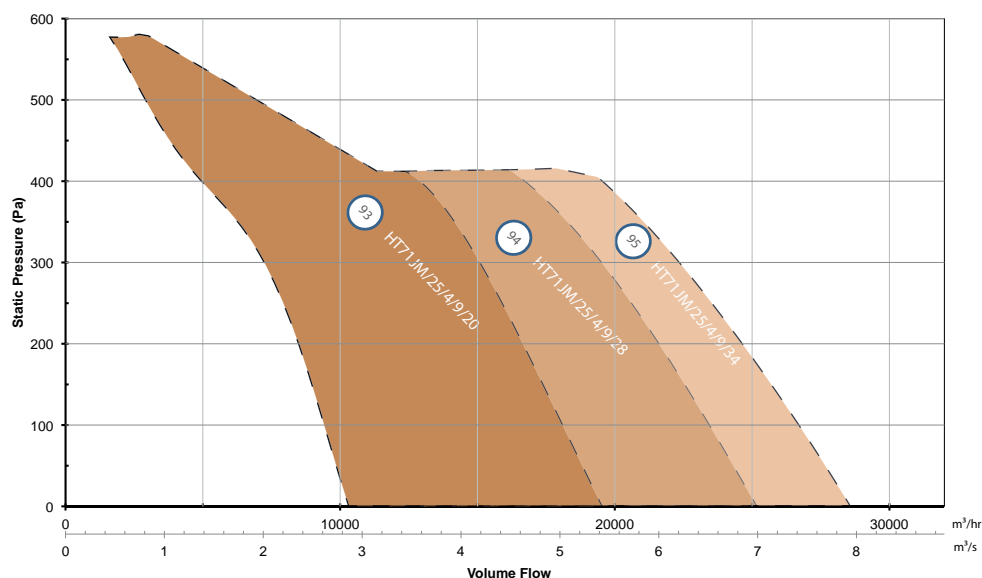
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 200°C/2HRS HT JM - 710MM - 9 BLADES 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	25	50	75	100	125	150	200	250	275	300	350	400	450
93	HT71JM/25/4/9/20	5.35	5.24	5.14	5.04	4.94	4.83	4.73	4.52	4.31	4.19	4.07	3.81	3.41	
94	HT71JM/25/4/9/28	6.93	6.81	6.69	6.56	6.44	6.31	6.18	5.91	5.63	5.47	5.31	4.95	4.49	
95	HT71JM/25/4/9/34	7.89	7.76	7.63	7.49	7.36	7.21	7.07	6.77	6.45	6.28	6.11	5.73		

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
93	HT71JM/25/4/9/20	AJHL-200-6-XX	8	20	1440	4	100L (IE2)	2.64	5.49	30.74	CD2416	IDDXF54-7.2	64
94	HT71JM/25/4/9/28	AJHL-200-7-XX	8	28	1440	4	100L (IE2)	3.60	7.29	40.11	CD2416	IDDXF54-9	66
95	HT71JM/25/4/9/34	AJHL-200-8-XX	8	34	1440	4	112M (IE2)	4.80	9.69	49.42	CD2417	IDDXF54-12	68

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

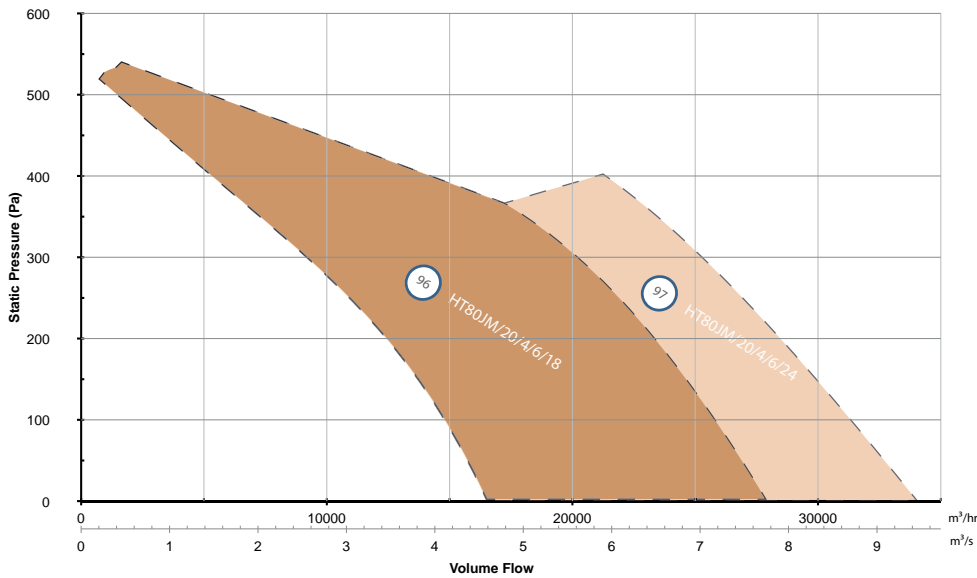
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 200°C/2HRS HT JM - 800MM - 6 BLADES 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	25	50	75	100	125	150	200	250	275	300	350	400	450
96	HT80JM/20/4/6/18	7.73	7.59	7.44	7.29	7.14	6.98	6.81	6.45	6.04	5.81	5.56	4.95		
97	HT80JM/20/4/6/24	9.43	9.24	9.05	8.86	8.67	8.47	8.27	7.86	7.43	7.21	6.97	6.46		

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
96	HT80JM/20/4/6/18	AJHL-200-9-XX	8	18	1440	4	100L (IE2)	3.60	7.29	40.11	CD2416	IDDXF54-9	70
97	HT80JM/20/4/6/24	AJHL-200-10-XX	8	24	1440	4	112M (IE2)	4.80	9.69	49.42	CD2417	IDDXF54-12	71

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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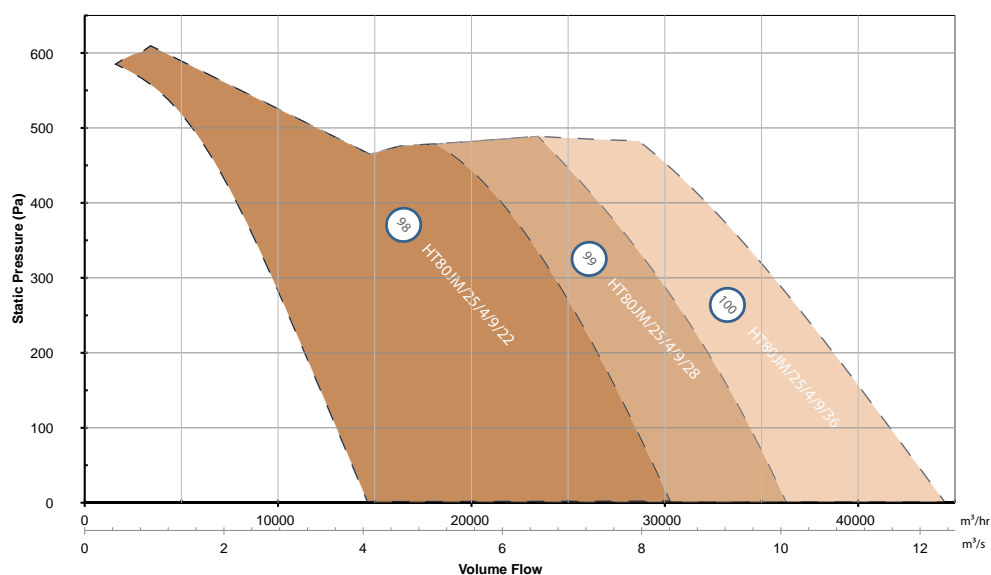
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 200°C/2HRS HT JM - 800MM - 9 BLADES 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	25	50	75	100	125	150	200	250	275	300	350	400	450
98	HT80JM/25/4/9/22	8.40	8.28	8.15	8.02	7.89	7.76	7.62	7.34	7.04	6.89	6.72	6.36	5.95	5.39
99	HT80JM/25/4/9/28	10.06	9.93	9.80	9.67	9.53	9.39	9.24	8.92	8.58	8.39	8.2	7.79	7.34	6.85
100	HT80JM/25/4/9/36	12.32	12.12	11.92	11.72	11.52	11.32	11.11	10.70	10.28	10.06	9.84	9.37	8.86	8.29

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
98	HT80JM/25/4/9/22	AJHL-200-11-XX	8	22	1440	4	112M (IE2)	4.80	9.69	49.42	CD2417	IDDXF54-12	71
99	HT80JM/25/4/9/28	AJHL-200-12-XX	8	28	1440	4	L112M (IE2)	6.33	13.00	81.90	CD2417	IDDXF54-15.5	71
100	HT80JM/25/4/9/36	AJHL-200-13-XX	8	36	1440	4	132M (IE2)	9.00	17.10	100.89	CD2417	IDDXF54-23	74

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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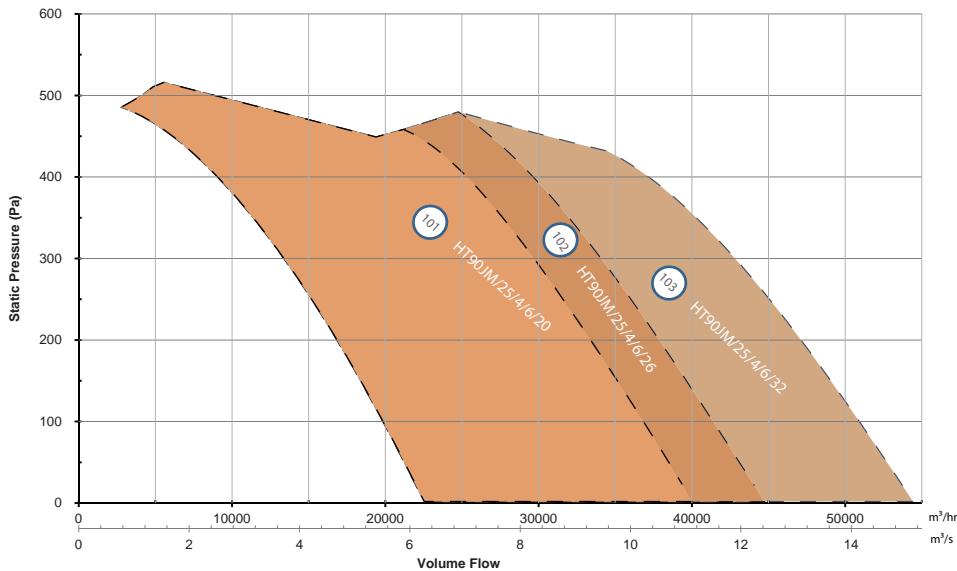
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 200°C/2HRS HT JM - 900MM - 6 BLADES 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	50	100	150	200	250	300	350	400	450	500	600	700	800
101	HT90JM/25/4/6/20	11.11	10.67	10.22	9.74	9.26	8.77	8.24	7.67	7.03	6.11				
102	HT90JM/25/4/6/26	12.43	11.96	11.48	11.00	10.50	9.99	9.45	8.87	8.23	7.46				
103	HT90JM/25/4/6/32	15.11	14.62	14.12	13.61	13.07	12.50	11.88	11.18	10.32					

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
101	HT90JM/25/4/6/20	AJHL-200-14-XX	8	20	1440	4	112M (IE2)	4.80	9.69	49.42	CD2417	IDDXF54-12	75
102	HT90JM/25/4/6/26	AJHL-200-15-XX	8	26	1440	4	L112M (IE2)	6.33	13.00	81.90	CD2417	IDDXF54-15.5	74
103	HT90JM/25/4/6/32	AJHL-200-16-XX	8	32	1440	4	132M (IE2)	9.00	17.10	100.89	CD2417	IDDXF54-23	78

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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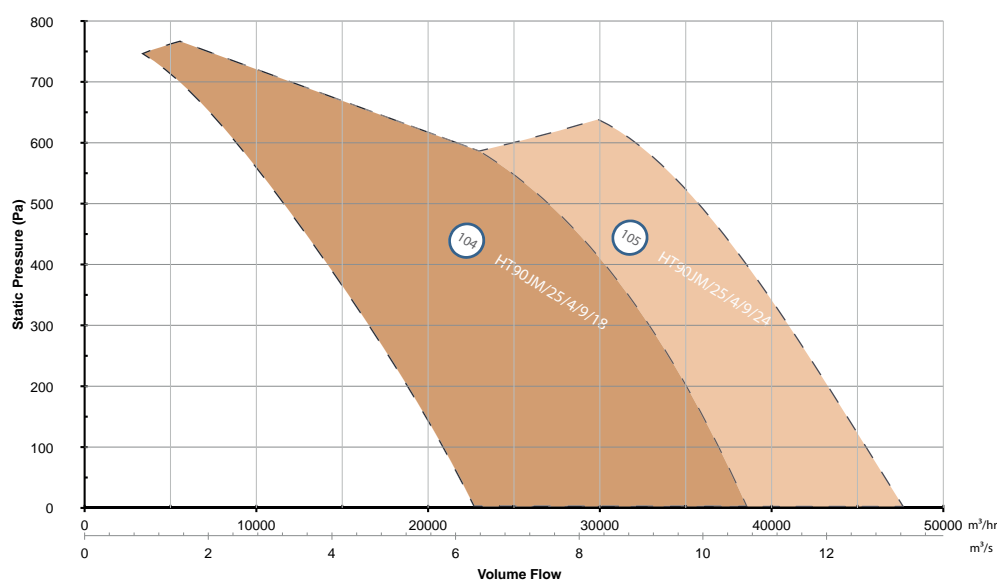
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 200°C/2HRS HT JM - 900MM - 9 BLADES 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	50	100	150	200	250	300	350	400	450	500	600	700	800
104	HT90JM/25/4/9/18	10.70	10.47	10.23	9.97	9.70	9.41	9.09	8.75	8.36	7.93	7.42			
105	HT90JM/25/4/9/24	13.21	12.90	12.60	12.29	11.97	11.65	11.33	11.00	10.64	10.26	9.85	8.79		

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
104	HT90JM/25/4/9/18	AJHL-200-17-XX	8	18	1440	4	L112M (IE2)	6.33	13.00	81.90	CD2417	IDDXF54-15.5	74
105	HT90JM/25/4/9/24	AJHL-200-18-XX	8	24	1440	4	132M (IE2)	9.00	17.10	100.89	CD2417	IDDXF54-23	75

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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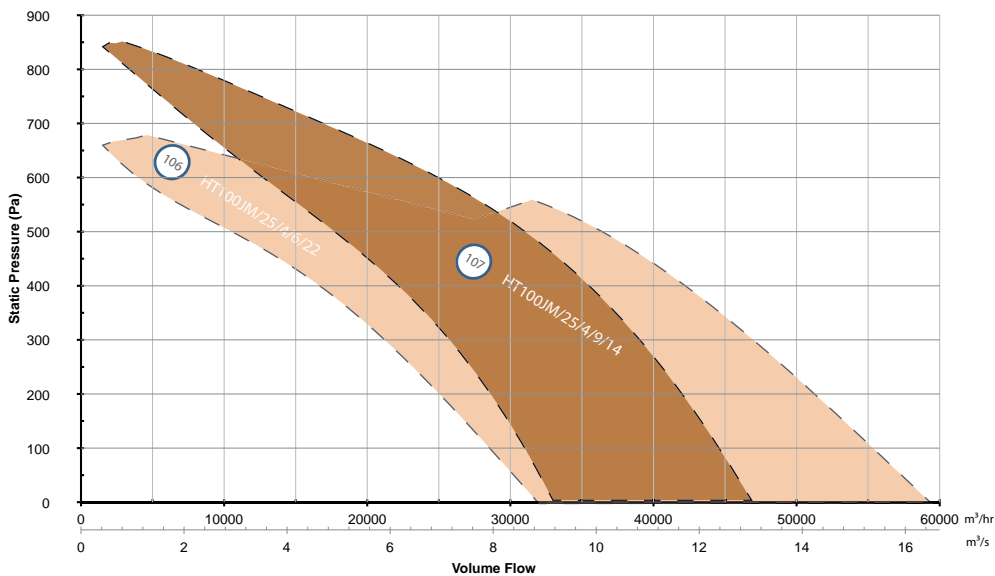
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PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 200°C/2HRS HT JM - 1000MM - 250MM HUB 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	50	100	150	200	250	300	350	400	450	500	600	700	800
106	HT100JM/25/4/6/22	16.46	15.91	15.35	14.78	14.21	13.62	13.01	12.37	11.68	10.92	10.04			
107	HT100JM/25/4/9/14	13.00	12.65	12.35	12.02	11.63	11.21	10.77	10.30	9.80	9.22	8.53	6.75	4.51	2.00

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
106	HT100JM/25/4/6/22	AJHL-200-19-XX	8	22	1440	4	132M (IE2)	9.00	17.10	100.89	CD2417	IDDXF54-23	81
107	HT100JM/25/4/9/14	AJHL-200-20-XX	8	14	1440	4	132M (IE2)	9.00	17.10	100.89	CD2417	IDDXF54-23	80

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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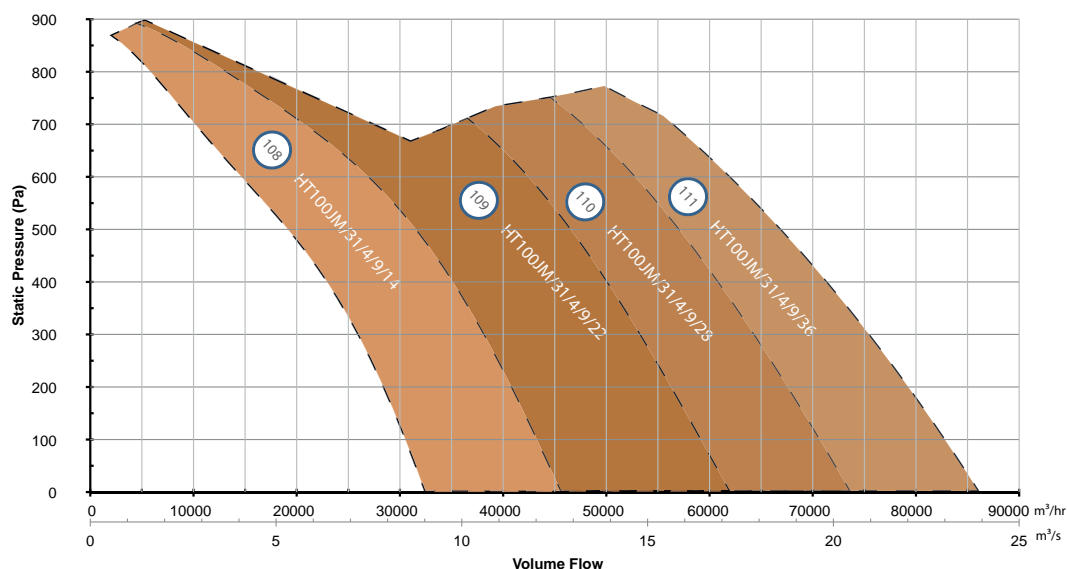
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PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 200°C/2HRS HT JM - 1000MM - 315MM HUB 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	50	100	150	200	250	300	350	400	450	500	600	700	800
108	HT100JM/31/4/9/14	12.58	12.35	12.04	11.72	11.35	10.96	10.56	10.15	9.71	9.24	8.69	7.30	5.47	3.26
109	HT100JM/31/4/9/22	12.17	16.80	16.40	15.99	15.58	15.16	14.73	14.28	13.82	13.32	12.80	11.61		
110	HT100JM/31/4/9/28	11.75	19.98	19.56	19.12	18.68	18.22	17.75	17.27	16.76	16.23	15.68	14.45	12.95	
111	HT100JM/31/4/9/36	11.33	23.37	22.89	22.40	21.88	21.35	20.80	20.23	19.64	19.01	18.36	16.94		

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
108	HT100JM/31/4/9/14	AJHL-200-21-XX	8	14	1470	4	132M (IE2)	9.00	17.10	100.89	CD2417	IDDXF54-23	80
109	HT100JM/31/4/9/22	AJHL-200-22-XX	8	22	1470	4	160M (IE2)	13.20	25.30	136.62	CD2417	IDDXF54-31	81
110	HT100JM/31/4/9/28	AJHL-200-23-XX	8	28	1470	4	160L (IE2)	18.00	34.21	177.94	CD2417	IDDXF54-37	83
111	HT100JM/31/4/9/36	AJHL-200-24-XX	8	36	1470	4	180L (IE2)	26.40	49.50	277.20	CD2417	IDDXF54-61	86

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

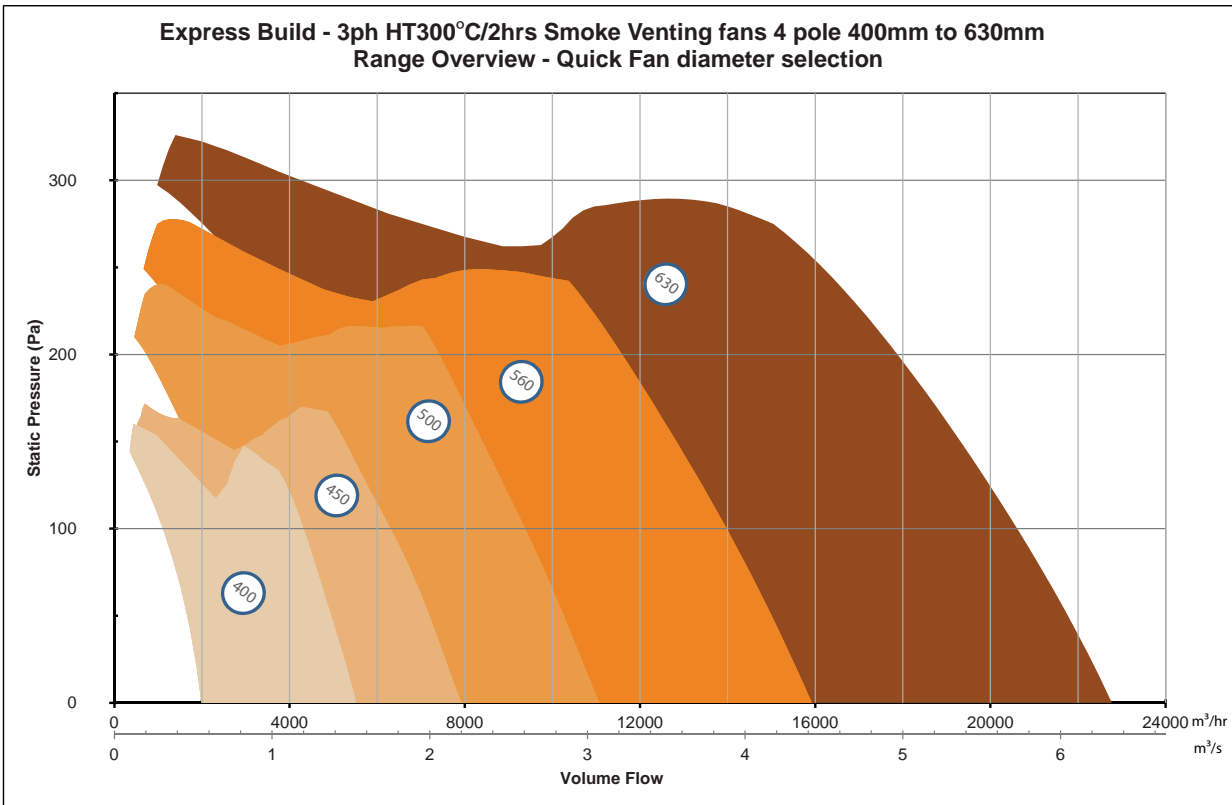
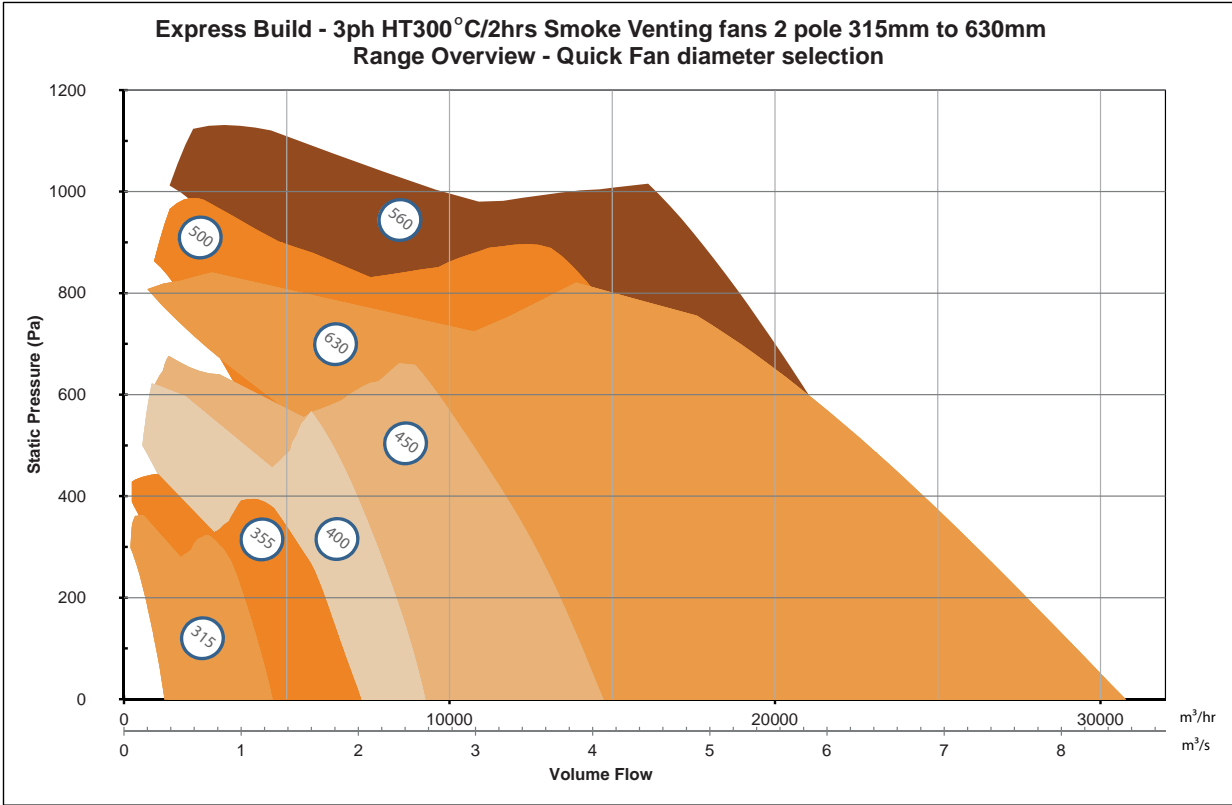
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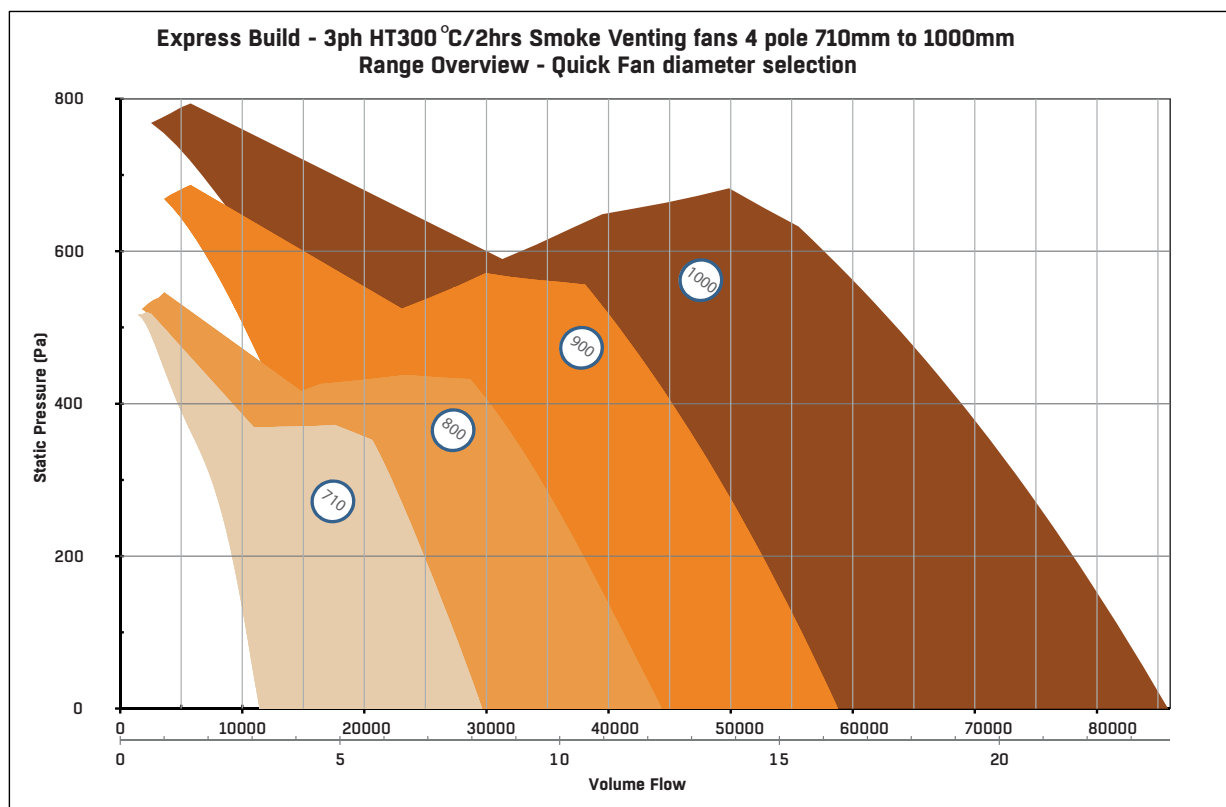
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300°C QUICK SELECTION CHARTS



300°C QUICK SELECTION CHARTS

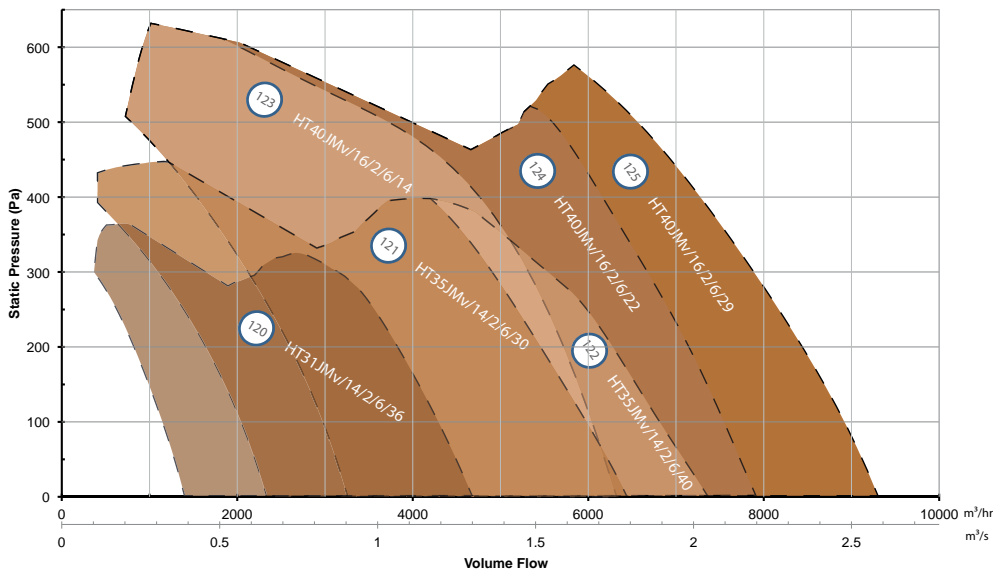




PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 300°C/2HRS HT JMv - 315MM, 355MM & 400MM 2 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	50	75	100	150	200	250	300	350	400	450	500	550	600
120	HT31JMv/14/2/6/36	1.26	1.21	1.18	1.15	1.09	1.02	0.95							
121	HT35JMv/14/2/6/30	1.76	1.70	1.67	1.63	1.56	1.48	1.41	1.32	1.23					
122	HT35JMv/14/2/6/40	2.02	1.94	1.90	1.86	1.79	1.71	1.63							
123	HT40JMv/16/2/6/14	1.73	1.69	1.67	1.65	1.61	1.56	1.50	1.44	1.37	1.28	1.15	0.96	0.72	0.48
124	HT40JMv/16/2/6/22	2.18	2.13	2.10	2.07	2.02	1.96	1.89	1.82	1.75	1.67	1.60	1.50		
125	HT40JMv/16/2/6/29	2.57	2.52	2.49	2.46	2.39	2.32	2.24	2.16	2.08	1.99	1.89	1.78	1.65	

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
120	HT31JMv/14/2/6/36	AVHL-300-1-XX	2	36	2760	2	80 (IE3)	0.90	1.90	11.97	CD2416	IDDXF54-2.2	64
121	HT35JMv/14/2/6/30	AVHL-300-2-XX	2	30	2760	2	80 (IE2)	0.90	1.95	9.75	CD2416	IDDXF54-2.2	64
122	HT35JMv/14/2/6/40	AVHL-300-3-XX	2	40	2760	2	80 (IE2)	1.32	2.79	14.62	CD2416	IDDXF54-5.3	67
123	HT40JMv/16/2/6/14	AVHL-300-4-XX	2	14	2760	2	80 (IE2)	0.90	1.95	9.75	CD2416	IDDXF54-2.2	68
124	HT40JMv/16/2/6/22	AVHL-300-5-XX	2	22	2760	2	80 (IE2)	1.32	2.79	14.62	CD2416	IDDXF54-5.3	69
125	HT40JMv/16/2/6/29	AVHL-300-6-XX	2	29	2760	2	80 (IE2)	1.73	3.59	18.31	CD2416	IDDXF54-5.3	72

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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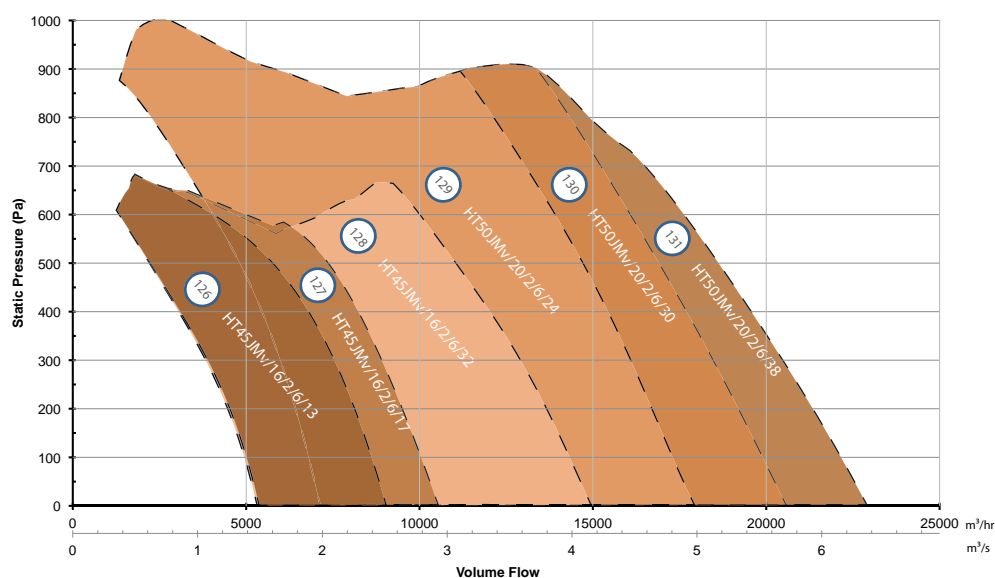
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PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 300°C/2HRS HT JMv - 450MM & 500MM 2 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	50	75	100	150	200	250	300	350	400	450	500	550	600
126	HT45JMv/16/2/6/13	2.42	2.37	2.33	2.30	2.23	2.16	2.09	2.00	1.89	1.78	1.65	1.49	1.27	0.98
127	HT45JMv/16/2/6/17	2.84	2.77	2.74	2.70	2.63	2.55	2.46	2.38	2.29	2.18	2.07	1.94	1.75	
128	HT45JMv/16/2/6/32	4.09	4.00	3.95	3.91	3.82	3.72	3.62	3.51	3.39	3.26	3.12	2.97	2.83	2.68

Ref	Product Code	m³/s @ Pa (Static)													
		0	50	100	150	200	250	300	400	500	600	700	800	900	1000
129	HT50JMv/20/2/6/24	4.93	4.83	4.75	4.66	4.57	4.49	4.40	4.21	4.00	3.77	3.52	3.26		
130	HT50JMv/20/2/6/30	5.68	5.58	5.48	5.38	5.28	5.18	5.07	4.85	4.62	4.38	4.14	3.89		
131	HT50JMv/20/2/6/38	6.33	6.22	6.11	6.00	5.88	5.76	5.63	5.37	5.10	4.81	4.48			

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
126	HT45JMv/16/2/6/13	AVHL-300-7-XX	2	13	2760	2	80 (IE2)	1.32	2.79	14.62	CD2416	IDDXF54-5.3	70
127	HT45JMv/16/2/6/17	AVHL-300-8-XX	2	17	2760	2	80 (IE2)	1.73	3.59	18.31	CD2416	IDDXF54-5.3	67
128	HT45JMv/16/2/6/32	AVHL-300-9-XX	2	32	2780	2	L90L (IE2)	3.45	7.00	44.10	CD2416	IDDXF54-7.2	72
129	HT50JMv/20/2/6/24	AVHL-300-10-XX	2	24	2840	2	112M (IE2)	4.80	9.27	50.06	CD2417	IDDXF54-12	77
130	HT50JMv/20/2/6/30	AVHL-300-11-XX	2	30	2840	2	112M (IE2)	6.33	11.66	76.95	CD2417	IDDXF54-12	81
131	HT50JMv/20/2/6/38	AVHL-300-12-XX	2	38	2840	2	112M (IE2)	8.25	15.50	99.42	CD2416	IDDXF54-23	84

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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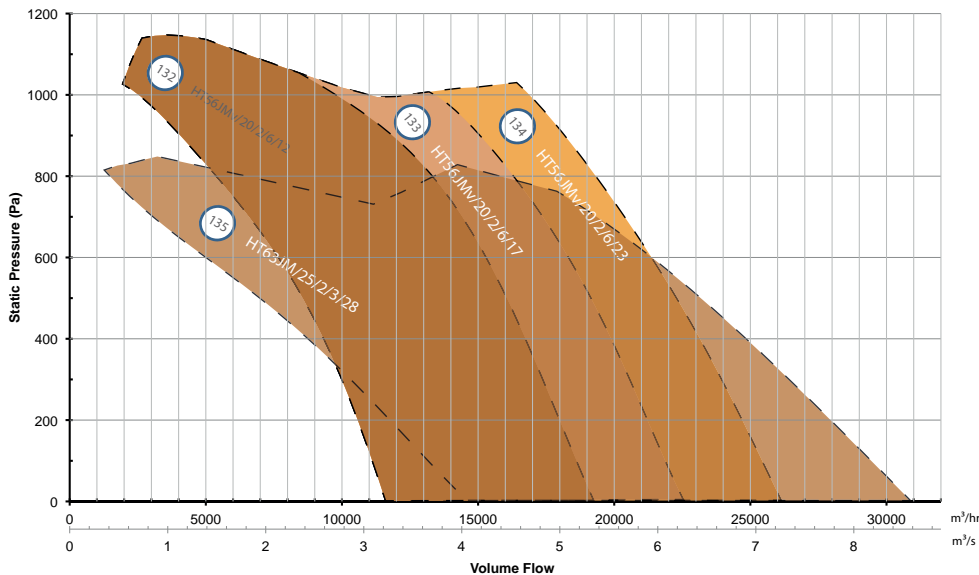
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 300°C/2HRS HT JMv / JM - 560MM & 630MM 2 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	50	100	150	200	250	300	400	500	600	700	800	900	1000
132	HT56JMv/20/2/6/12	5.26	5.17	5.08	4.99	4.90	4.81	4.73	4.55	4.35	4.13	3.87	3.55	3.11	2.50
133	HT56JMv/20/2/6/17	6.19	6.09	6.00	5.91	5.81	5.72	5.62	5.43	5.22	4.98	4.70	4.39	4.04	
134	HT56JMv/20/2/6/23	7.21	7.10	7.00	6.90	6.79	6.69	6.58	6.35	6.10	5.84	5.55	5.25	4.92	4.54
135*	HT63JM/25/2/3/28	8.55	8.34	8.13	7.92	7.7	7.49	7.27	6.82	6.35	5.83	5.26			

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
132	HT56JMv/20/2/6/12	AVHL-300-13-XX	2	12	2860	2	112M (IE2)	4.80	9.27	50.06	CD2417	IDDXF54-12	75
133	HT56JMv/20/2/6/17	AVHL-300-14-XX	2	17	2860	2	112M (IE2)	6.33	11.66	76.95	CD2417	IDDXF54-12	68
134	HT56JMv/20/2/6/23	AVHL-300-15-XX	2	23	2860	2	112M (IE2)	8.25	15.50	99.42	CD2416	IDDXF54-23	70
135*	HT63JM/25/2/3/28	AJHL-300-1-XX	8	28	2910	2	112M (IE2)	8.25	15.50	99.42	CD2416	IDDXF54-23	80

* Fan available soon

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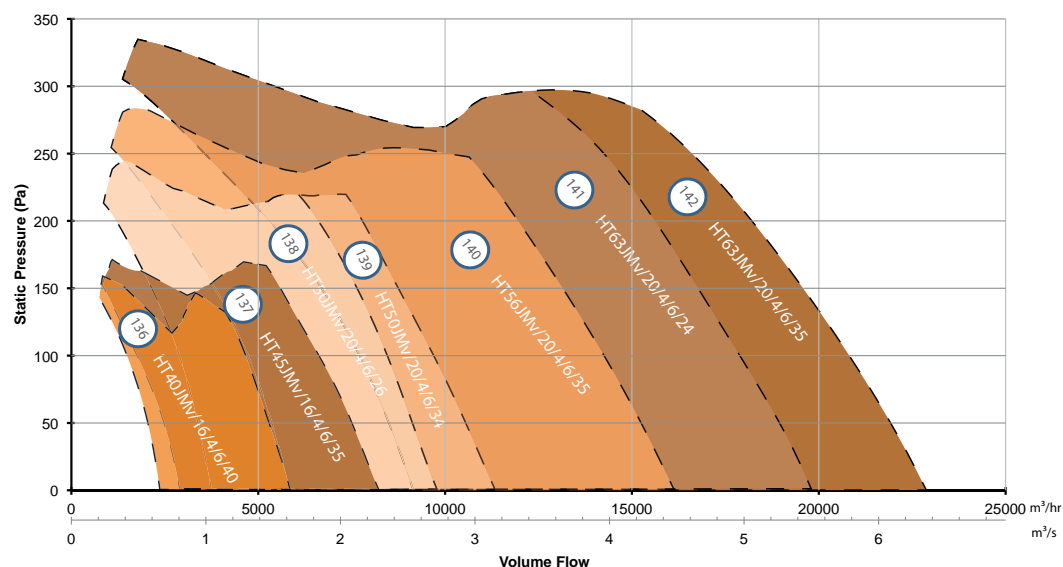
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 300°C/2HRS HT JMv 400MM - 630MM 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m ³ /s @ Pa (Static)													
		0	20	40	60	80	100	120	140	160	180	200	225	250	275
136	HT40JMv/16/4/6/40	1.53	1.47	1.40	1.33	1.27	1.19	1.11							
137	HT45JMv/16/4/6/35	2.20	2.11	2.03	1.95	1.85	1.75	1.63	1.51	1.40					
138	HT50JMv/20/4/6/26	2.63	2.55	2.48	2.41	2.33	2.25	2.17	2.07	1.97	1.85	1.72			
139	HT50JMv/20/4/6/34	3.07	2.98	2.89	2.80	2.70	2.60	2.49	2.38	2.28	2.17	2.05			
140	HT56JMv/20/4/6/35	4.42	4.32	4.22	4.11	4.00	3.88	3.75	3.62	3.49	3.36	3.21	3.03		
141	HT63JMv/20/4/6/24	5.45	5.36	5.26	5.14	5.02	4.90	4.77	4.64	4.51	4.37	4.24	4.05	3.83	3.54
142	HT63JMv/20/4/6/35	6.32	6.21	6.10	5.98	5.85	5.72	5.58	5.44	5.28	5.13	4.96	4.74	4.49	4.17

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW) (Total)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
136	HT40JMv/16/4/6/40	AVHL-300-16-XX	5	40	1400	4	80 (IE2)	0.90	1.92	9.79	CD2416	IDDXF54-2.2	57
137	HT45JMv/16/4/6/35	AVHL-300-17-XX	2	35	1400	4	80 (IE2)	0.66	1.49	7.30	CD2416	IDDXF54-2.2	57
138	HT50JMv/20/4/6/26	AVHL-300-18-XX	2	26	1400	4	80 (IE2)	0.66	1.49	7.30	CD2416	IDDXF54-2.2	60
139	HT50JMv/20/4/6/34	AVHL-300-19-XX	2	34	1400	4	80 (IE2)	0.90	1.92	9.79	CD2416	IDDXF54-2.2	62
140	HT56JMv/20/4/6/35	AVHL-300-20-XX	2	35	1400	4	90L (IE2)	1.80	3.76	20.68	CD2416	IDDXF54-5.3	64
141	HT63JMv/20/4/6/24	AVHL-300-21-XX	2	24	1400	4	90L (IE2)	1.80	3.76	20.68	CD2416	IDDXF54-5.3	73
142	HT63JMv/20/4/6/35	AVHL-300-22-XX	2	35	1400	4	100L (IE2)	3.60	7.29	40.11	CD2416	IDDXF54-9	73

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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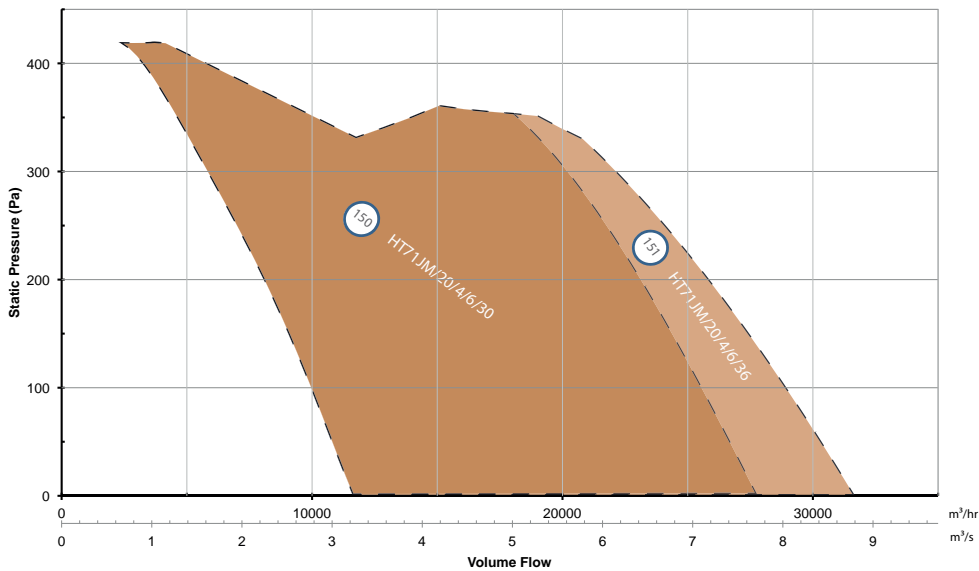
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PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 300°C/2HRS HT JM - 710MM 200MM HUB 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	25	50	75	100	125	150	175	200	225	250	300	350	400
150	HT71JM/20/4/6/30	7.64	7.49	7.33	7.17	7.01	6.85	6.68	6.50	6.32	6.13	5.93	5.47		
151	HT71JM/20/4/6/36	8.74	8.55	8.36	8.16	7.96	7.75	7.53	7.31	7.08	6.83	6.58	6.01		

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW) (Total)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
150	HT71JM/20/4/6/30	AJHL-300-2-XX	8	30	1440	4	100L (IE2)	3.60	7.29	40.11	CD2416	IDDXF54-9	71
151	HT71JM/20/4/6/36	AJHL-300-3-XX	8	36	1440	4	112M (IE2)	4.80	9.69	49.42	CD2417	IDDXF54-12	74

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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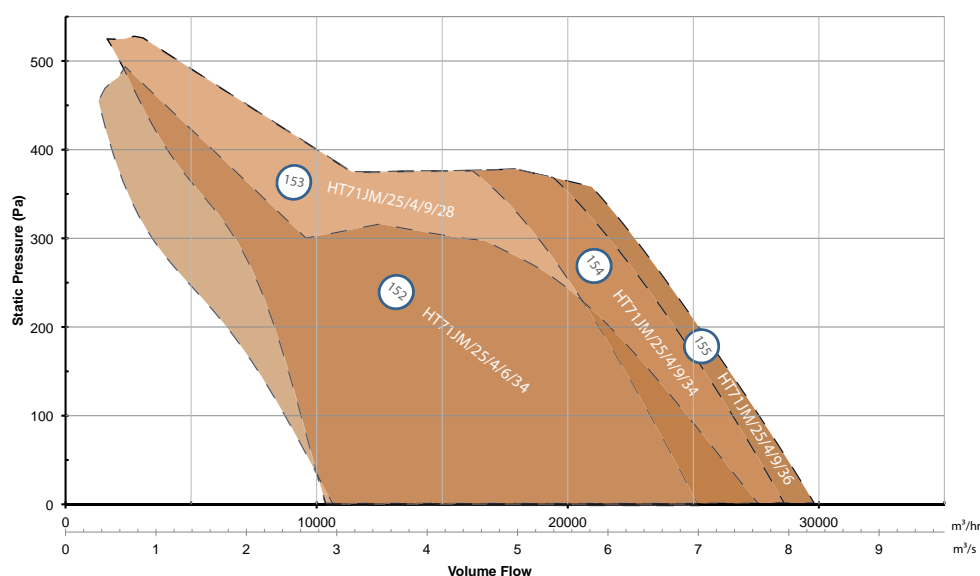
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PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 300°C/2HRS HT JM - 710MM 250MM HUB 4 POLE PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	25	50	75	100	125	150	175	200	225	250	300	350	400
152	HT71JM/25/4/6/34	7.61	7.40	7.20	7.00	6.79	6.59	6.37	6.15	5.91	5.64	5.33			
153	HT71JM/25/4/9/28	6.93	6.80	6.66	6.53	6.39	6.25	6.10	5.95	5.80	5.64	5.47	5.10	4.64	
154	HT71JM/25/4/9/34	7.89	7.75	7.60	7.45	7.30	7.14	6.98	6.81	6.64	6.46	6.28	5.89	5.43	
155	HT71JM/25/4/9/36	8.23	8.08	7.92	7.76	7.59	7.43	7.26	7.08	6.91	6.73	6.55	6.17	5.76	

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
152	HT71JM/25/4/6/34	AJHL-300-4-XX	8	34	1440	4	100L (IE2)	3.60	7.29	40.11	CD2416	IDDXF54-9	71
153	HT71JM/25/4/9/28	AJHL-300-5-XX	8	28	1440	4	100L (IE2)	3.60	7.29	40.11	CD2416	IDDXF54-9	69
154	HT71JM/25/4/9/34	AJHL-300-6-XX	8	34	1440	4	112M (IE2)	4.80	9.69	49.42	CD2417	IDDXF54-12	72
155	HT71JM/25/4/9/36	AJHL-300-7-XX	10	36	1440	4	L112M (IE2)	6.33	13.00	81.90	CD2417	IDDXF54-15.5	73

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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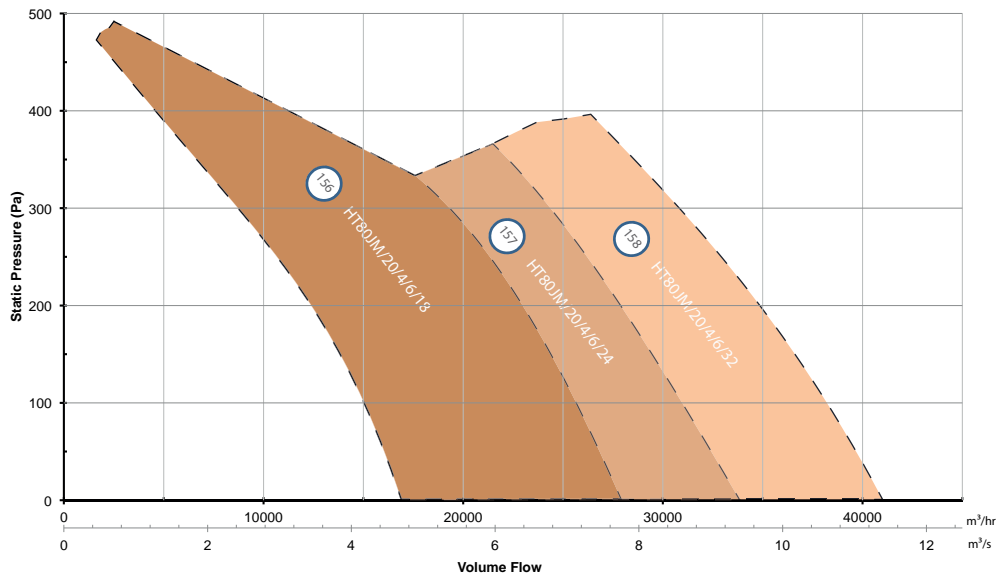
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PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 300°C/2HRS HT JM - 800MM 200MM HUB 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	25	50	75	100	125	150	175	200	225	250	300	350	400
156	HT80JM/20/4/6/18	7.73	7.57	7.41	7.25	7.07	6.89	6.70	6.51	6.29	6.06	5.81	5.22		
157	HT80JM/20/4/6/24	9.43	9.22	9.01	8.80	8.59	8.37	8.15	7.93	7.70	7.46	7.21	6.67	6.05	
158	HT80JM/20/4/6/32	11.46	11.27	11.07	10.86	10.65	10.42	10.18	9.93	9.67	9.40	9.11	8.50	7.84	

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
156	HT80JM/20/4/6/18	AJHL-300-8-XX	8	18	1440	4	100L (IE2)	3.60	7.29	40.11	CD2416	IDDXF54-9	73
157	HT80JM/20/4/6/24	AJHL-300-9-XX	8	24	1440	4	112M (IE2)	4.80	9.69	49.42	CD2417	IDDXF54-12	75
158	HT80JM/20/4/6/32	AJHL-300-10-XX	8	32	1440	4	L112M (IE2)	6.33	13.00	81.90	CD2417	IDDXF54-15.5	77

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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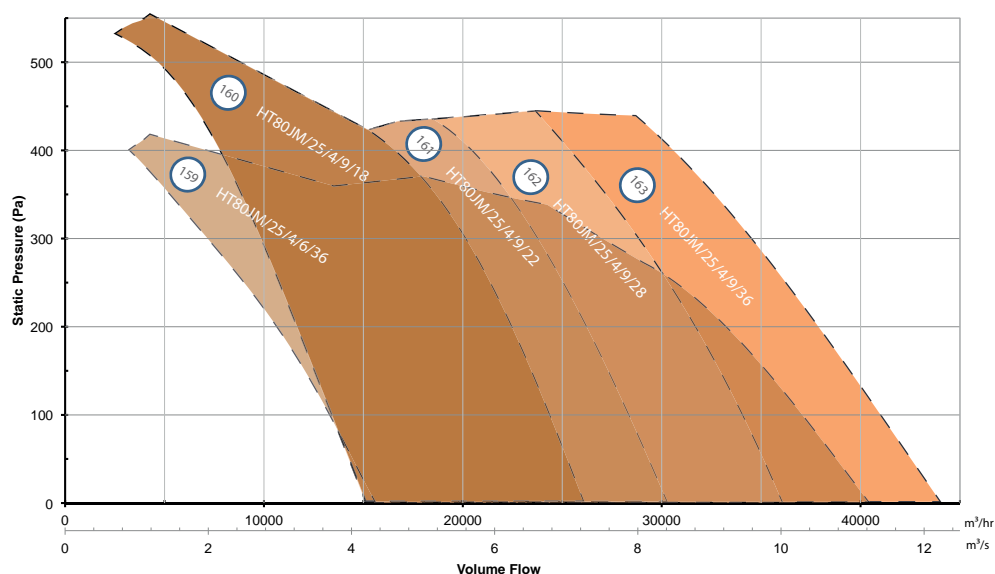
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PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 300°C/2HRS HT JM - 800MM 250MM HUB 4 POLE PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m ³ /s @ Pa (Static)													
		0	25	50	75	100	125	150	175	200	225	250	300	350	400
159	HT80JM/25/4/6/36	11.30	11.06	10.82	10.58	10.33	10.07	9.81	9.52	9.22	8.88	8.48			
160	HT80JM/25/4/9/18	7.21	7.08	6.96	6.83	6.70	6.57	6.44	6.30	6.15	6.00	5.84	5.48	5.03	4.40
161	HT80JM/25/4/9/22	8.40	8.26	8.13	7.99	7.84	7.69	7.54	7.38	7.23	7.06	6.89	6.51	6.08	5.52
162	HT80JM/25/4/9/28	10.06	9.92	9.78	9.63	9.47	9.31	9.15	8.97	8.79	8.59	8.39	7.96	7.48	6.95
163	HT80JM/25/4/9/36	12.32	12.10	11.88	11.66	11.44	11.22	10.99	10.76	10.53	10.30	10.06	9.56	9.02	8.41

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
159	HT80JM/25/4/6/36	AJHL-300-11-XX	8	36	1440	4	L112M (IE2)	6.33	13.00	81.90	CD2417	IDDXF54-15.5	78
160	HT80JM/25/4/9/18	AJHL-300-12-XX	8	18	1440	4	100L (IE2)	3.60	7.29	40.11	CD2416	IDDXF54-9	73
161	HT80JM/25/4/9/22	AJHL-300-13-XX	8	22	1440	4	112M (IE2)	4.80	9.69	49.42	CD2417	IDDXF54-12	74
162	HT80JM/25/4/9/28	AJHL-300-14-XX	8	28	1440	4	L112M (IE2)	6.33	13.00	81.90	CD2417	IDDXF54-15.5	74
163	HT80JM/25/4/9/36	AJHL-300-15-XX	8	36	1440	4	132M (IE2)	9.00	17.10	101.52	CD2417	IDDXF54-23	77

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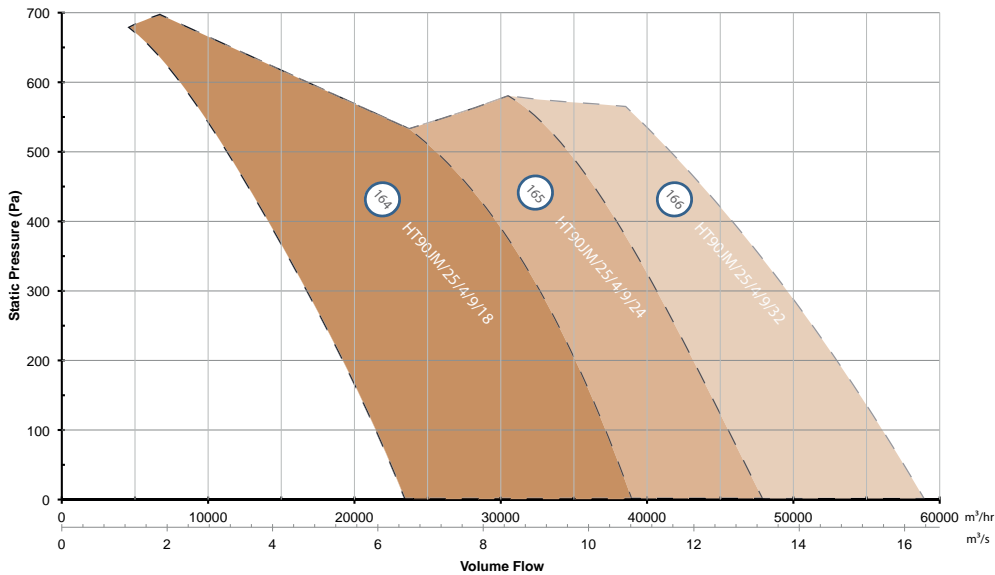
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PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 300°C/2HRS HT JM - 900MM 250MM HUB 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	100	200	250	300	350	400	450	500	550	600	650	700	750
164	HT90JM/25/4/9/18	10.70	10.18	9.59	9.25	8.89	8.48	8.02	7.48	6.81					
165	HT90JM/25/4/9/24	13.21	12.53	11.84	11.50	11.13	10.75	10.34	9.90	9.39	8.71				
166	HT90JM/25/4/9/32	16.33	15.50	14.61	14.13	13.63	13.11	12.56	11.97	11.34	10.66				

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
164	HT90JM/25/4/9/18	AJHL-300-16-XX	8	18	1440	4	112M (IE2)	6.33	13.00	81.90	CD2417	IDDXF54-15.5	78
165	HT90JM/25/4/9/24	AJHL-300-17-XX	8	24	1440	4	132M (IE2)	9.00	17.10	101.52	CD2417	IDDXF54-23	78
166	HT90JM/25/4/9/32	AJHL-300-18-XX	8	32	1440	4	132M (IE2)	12.70	24.00	163.20	CD2417	IDDXF54-31	81

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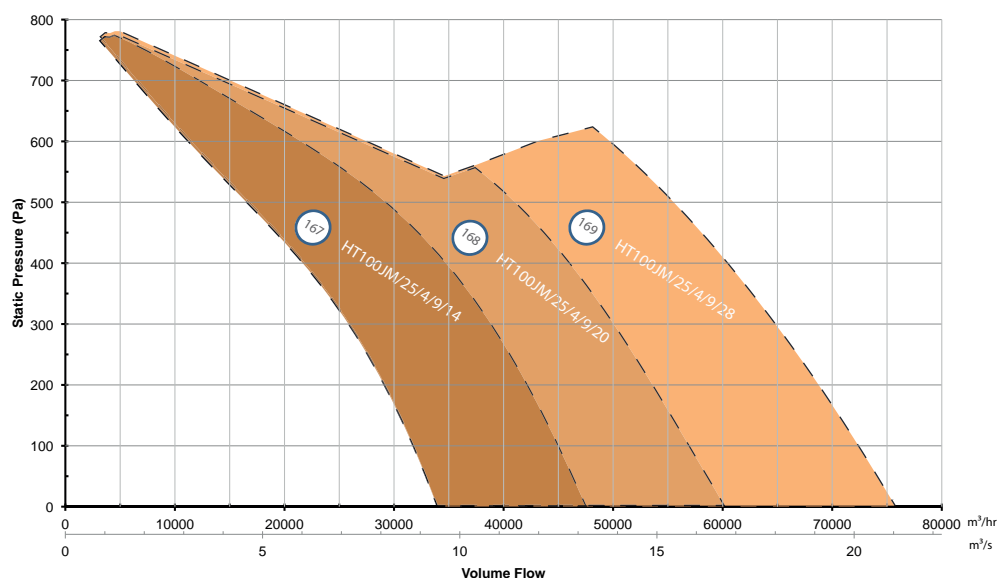
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PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 300°C/2HRS HT JM - 1000MM 250MM HUB 4 POLE PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	100	200	250	300	350	400	450	500	550	600	650	700	750
167	HT100JM/25/4/9/14	13.00	12.29	11.47	10.99	10.49	9.95	9.34	8.60	7.71	6.65	5.45	4.14	2.78	1.32
168	HT100JM/25/4/9/20	16.56	15.63	14.68	14.18	13.66	13.10	12.50	11.82	11.05					
169	HT100JM/25/4/9/28	20.96	19.98	18.93	18.37	17.78	17.17	16.51	15.82	15.07	14.25	13.35			

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
167	HT100JM/25/4/9/14	AJHL-300-19-XX	8	14	1440	4	132M (IE2)	9.00	17.10	101.52	CD2417	IDDXF54-23	83
168	HT100JM/25/4/9/20	AJHL-300-20-XX	8	20	1440	4	132M (IE2)	12.70	24.00	163.20	CD2417	IDDXF54-31	83
169	HT100JM/25/4/9/28	AJHL-300-21-XX	8	28	1440	4	160L (IE2)	18.00	34.21	177.94	CD2417	IDDXF54-37	86

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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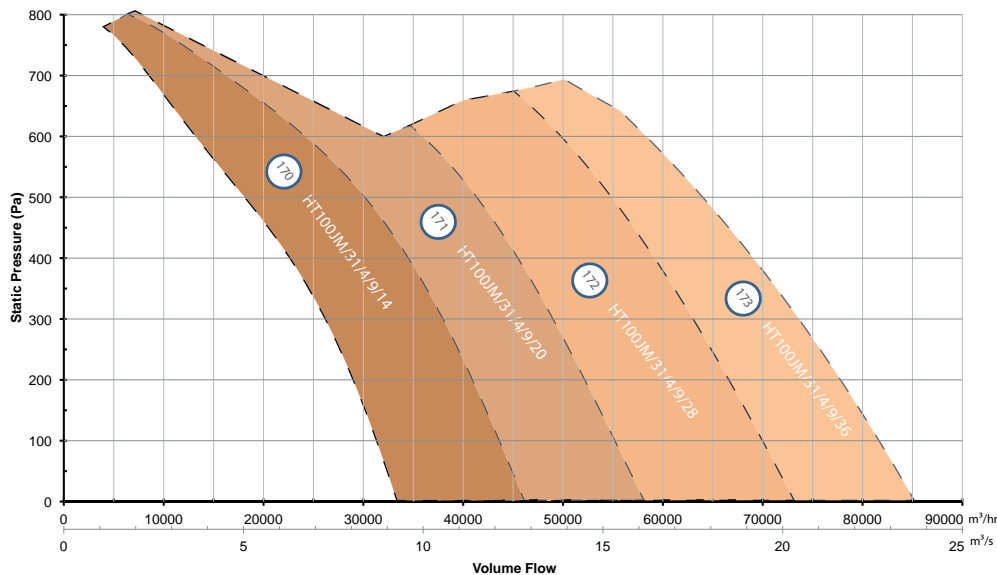
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PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 300°C/2HRS HT JM - 1000MM 315MM HUB 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	100	200	250	300	350	400	450	500	550	600	650	700	750
170	HT100JM/31/4/9/14	12.71	11.98	11.20	10.76	10.31	9.85	9.34	8.75	8.05	7.21	6.25	5.16	3.97	2.63
171	HT100JM/31/4/9/20	16.12	15.27	14.39	13.94	13.47	12.98	12.45	11.88	11.24	10.51	9.62			
172	HT100JM/31/4/9/28	20.40	19.47	18.50	17.99	17.46	16.91	16.34	15.73	15.08	14.38	13.60	12.69		
173	HT100JM/31/4/9/36	20.13	22.79	21.68	21.08	20.46	19.82	19.14	18.42	17.67	16.87	16.01			

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
170	HT100JM/31/4/9/14	AJHL-300-22-XX	8	14	1470	4	132M (IE2)	9.00	17.10	101.52	CD2417	IDDXF54-23	83
171	HT100JM/31/4/9/20	AJHL-300-23-XX	8	20	1470	4	132M (IE2)	12.70	24.00	163.20	CD2417	IDDXF54-31	84
172	HT100JM/31/4/9/28	AJHL-300-24-XX	8	28	1470	4	160L (IE2)	18.00	34.21	177.94	CD2417	IDDXF54-37	87
173	HT100JM/31/4/9/36	AJHL-300-25-XX	8	36	1470	4	180L (IE2)	26.40	49.50	275.57	CD2417	IDDXF54-61	89

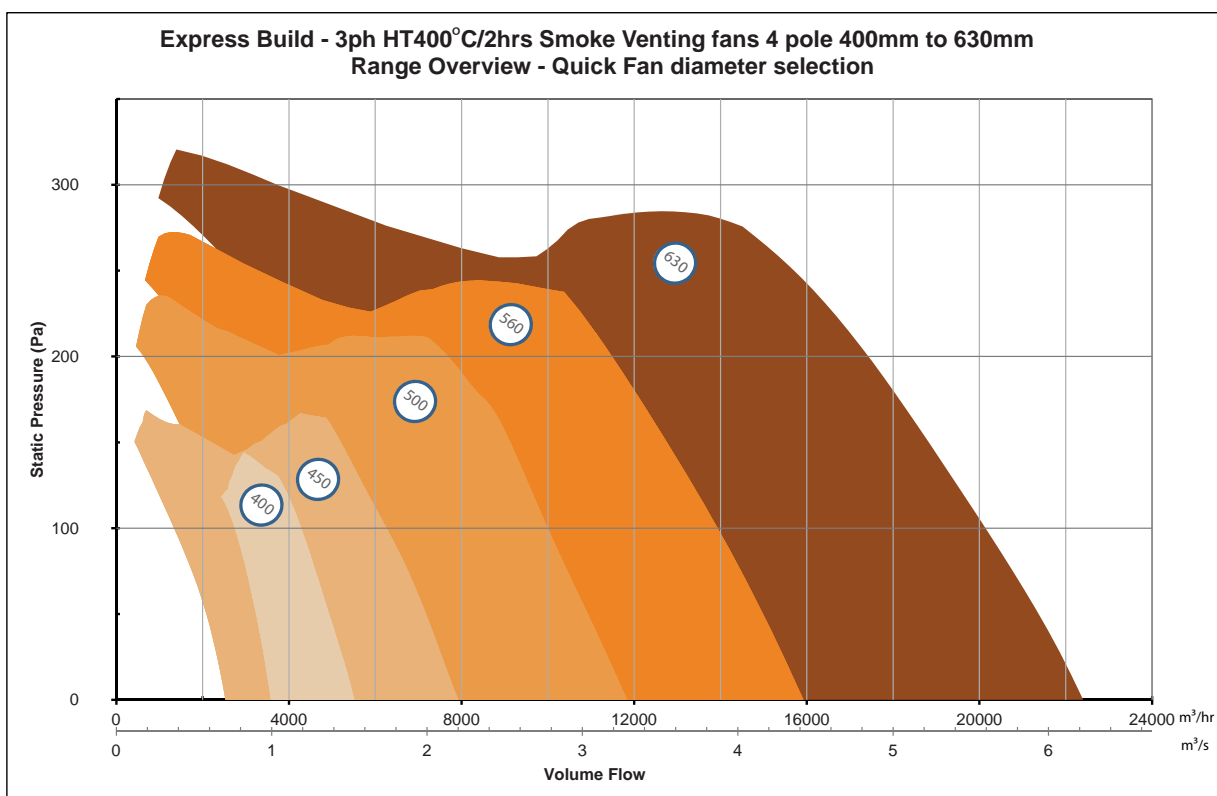
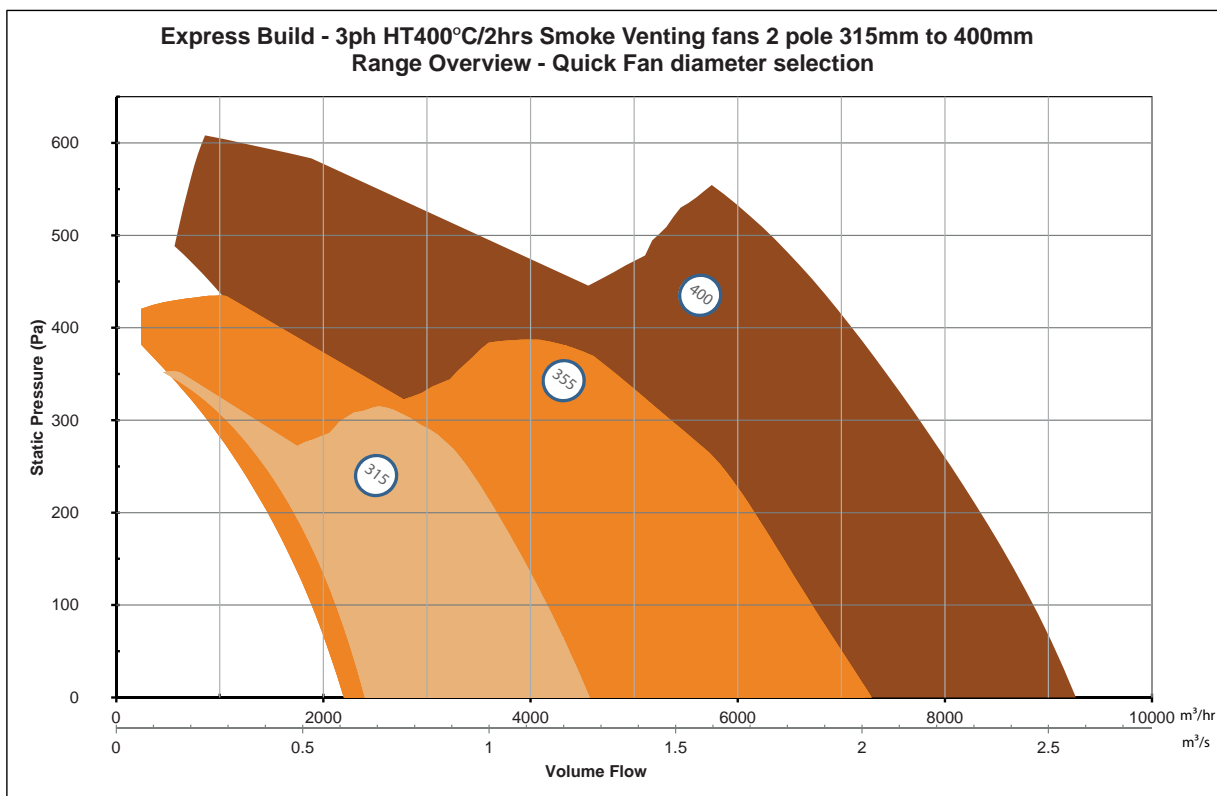
Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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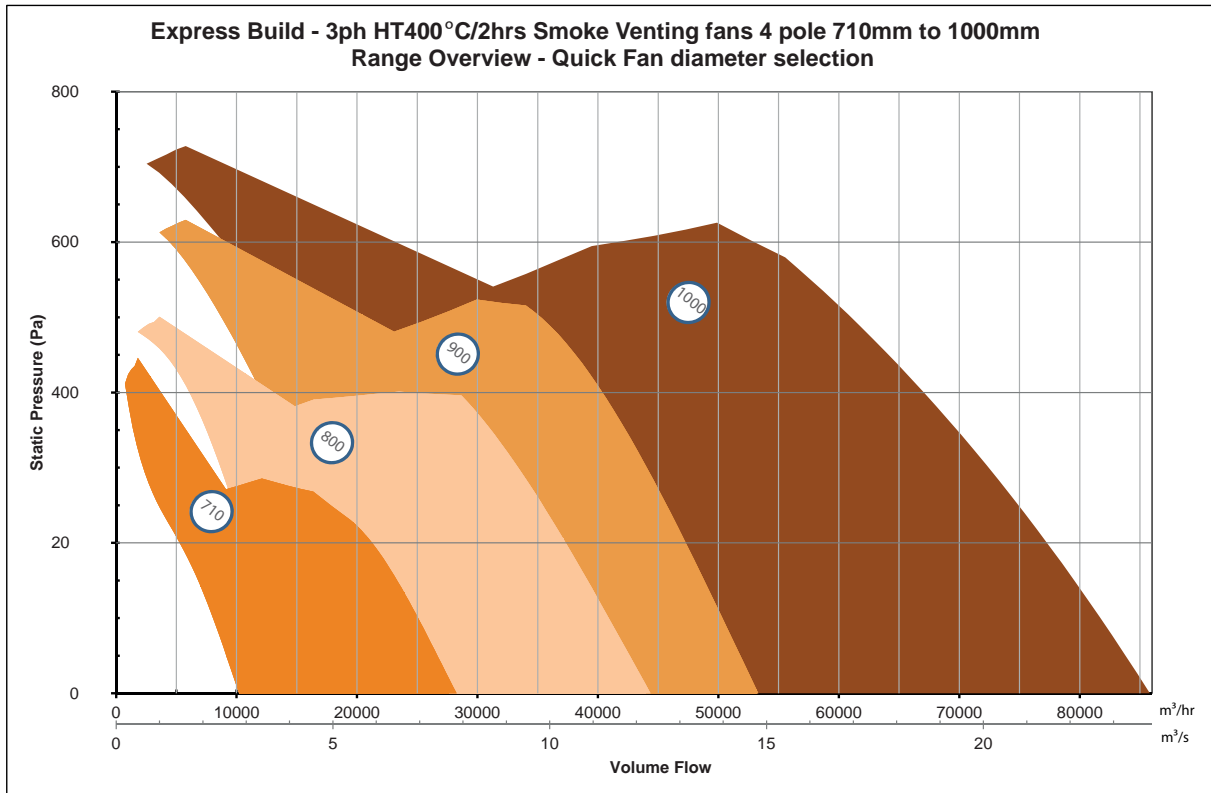
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400°C QUICK SELECTION CHARTS





400°C QUICK SELECTION CHARTS

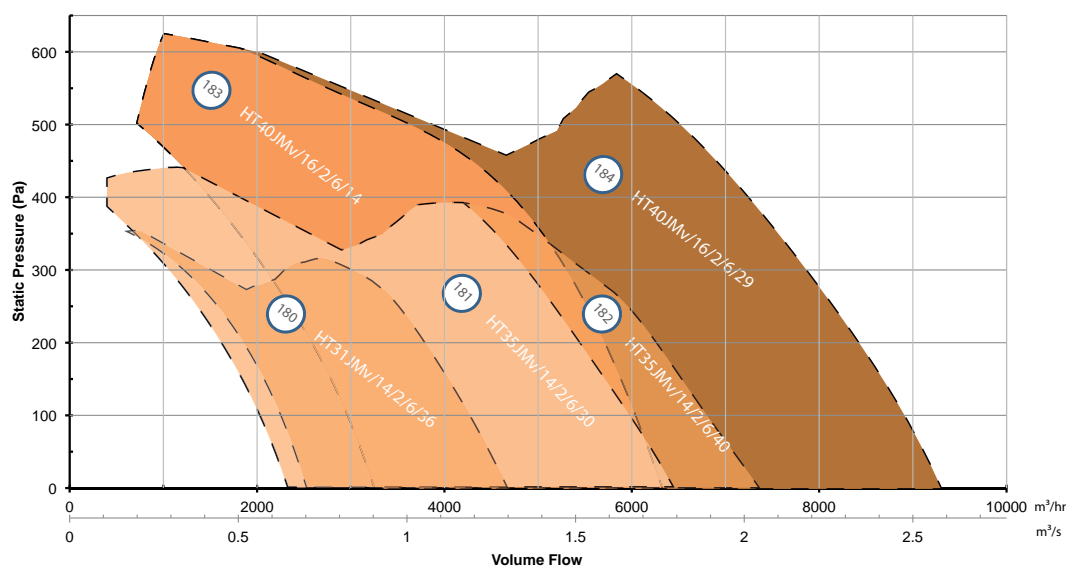




PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 400°C/2HRS HT JMv - 315MM - 400MM 2 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	25	50	75	100	150	200	250	300	350	400	450	500	550
180	HT31JMv/14/2/6/36	1.26	1.24	1.21	1.18	1.15	1.09	1.02	0.94						
181	HT35JMv/14/2/6/30	1.76	1.73	1.70	1.66	1.63	1.55	1.48	1.40	1.31	1.22				
182	HT35JMv/14/2/6/40	2.02	1.98	1.94	1.90	1.86	1.78	1.71	1.62						
183	HT40JMv/16/2/6/14	1.73	1.71	1.69	1.67	1.65	1.60	1.55	1.49	1.43	1.36	1.26	1.12	0.91	0.65
184	HT40JMv/16/2/6/29	2.57	2.54	2.52	2.49	2.45	2.39	2.31	2.23	2.15	2.06	1.97	1.87	1.75	1.61

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
180	HT31JMv/14/2/6/36	AVHL-400-1-XX	12	36	2760	2	80 (IE3)	0.90	1.90	11.97	CD2416	IDDXF54-2.2	64
181	HT35JMv/14/2/6/30	AVHL-400-2-XX	2	30	2760	2	80 (IE2)	0.90	1.95	9.75	CD2416	IDDXF54-2.2	64
182	HT35JMv/14/2/6/40	AVHL-400-3-XX	2	40	2760	2	80 (IE2)	1.73	3.59	18.31	CD2416	IDDXF54-5.3	67
183	HT40JMv/16/2/6/14	AVHL-400-4-XX	2	14	2760	2	80 (IE2)	0.90	1.95	9.75	CD2416	IDDXF54-2.2	68
184	HT40JMv/16/2/6/29	AVHL-400-5-XX	2	29	2760	2	80 (IE2)	1.73	3.59	18.31	CD2416	IDDXF54-5.3	73

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

Inverters can be used for Dual Mode High Temperature fans when fan is operating as a standard ventilation fan. Inverters must be switched out of circuit during a fire scenario.

For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.

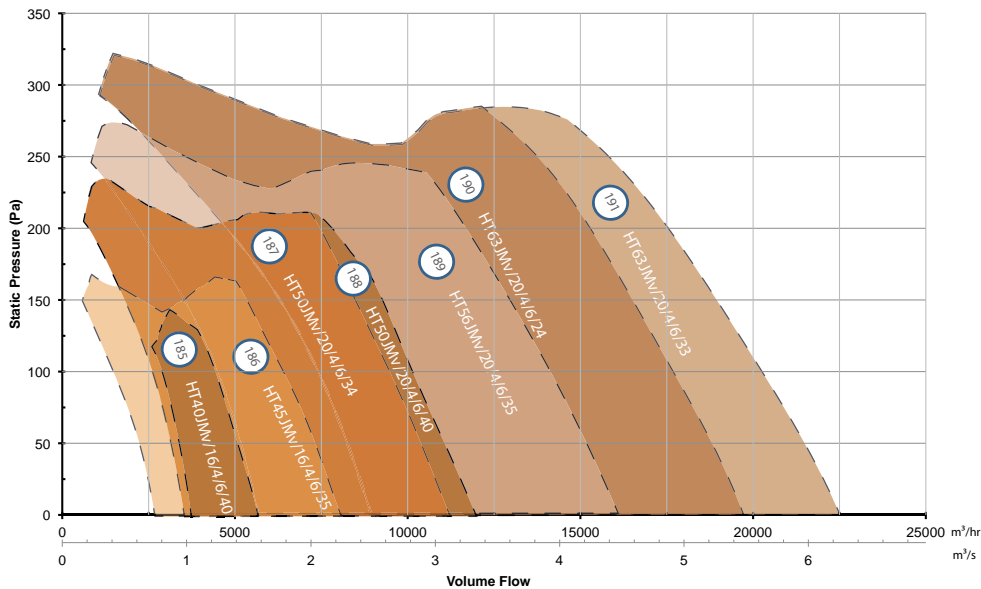


PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 400°C/2HRS HT JMv - 400MM - 630MM 4 POLE



PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	20	40	60	80	100	125	150	175	200	225	250	275	300
185	HT40JMv/16/4/6/40	1.53	1.47	1.4	1.33	1.26	1.19	1.07							
186	HT45JMv/16/4/6/35	2.2	2.11	2.03	1.95	1.85	1.74	1.59	1.44						
187	HT50JMv/20/4/6/34	3.07	2.98	2.89	2.79	2.69	2.59	2.45	2.31	2.17	2.03				
188	HT50JMv/20/4/6/40	3.28	3.18	3.08	2.98	2.87	2.77	2.65	2.53	2.37					
189	HT56JMv/20/4/6/35	4.42	4.32	4.21	4.1	3.99	3.87	3.71	3.54	3.37	3.19	2.99			
190	HT63JMv/20/4/6/24	5.45	5.36	5.25	5.14	5.01	4.88	4.72	4.56	4.39	4.21	4.02	3.78	3.47	
191	HT63JMv/20/4/6/33	6.22	6.11	5.99	5.87	5.73	5.59	5.41	5.22	5.04	4.84	4.62	4.36	4.04	

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) [Total]	Starting Current (A) [Total]	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
185	HT40JMv/16/4/6/40	AVHL-400-6-XX	18	40	1400	4	80 (IE2)	0.90	1.92	9.79	CD2416	IDDXF54-2.2	57
186	HT45JMv/16/4/6/35	AVHL-400-7-XX	2	35	1400	4	80 (IE2)	0.90	1.92	9.79	CD2416	IDDXF54-2.2	57
187	HT50JMv/20/4/6/34	AVHL-400-8-XX	2	34	1400	4	80 (IE2)	0.90	1.92	9.79	CD2416	IDDXF54-2.2	62
188	HT50JMv/20/4/6/40	AVHL-400-9-XX	2	40	1400	4	80 (IE2)	1.27	2.66	14.63	CD2416	IDDXF54-5.3	64
189	HT56JMv/20/4/6/35	AVHL-400-10-XX	2	35	1400	4	90L (IE2)	1.80	3.76	20.68	CD2416	IDDXF54-5.3	64
190	HT63JMv/20/4/6/24	AVHL-400-11-XX	2	24	1400	4	90L (IE2)	1.80	3.76	20.68	CD2416	IDDXF54-5.3	73
191	HT63JMv/20/4/6/33	AVHL-400-12-XX	2	33	1400	4	100L (IE2)	2.64	5.39	33.96	CD2416	IDDXF54-7.2	73

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

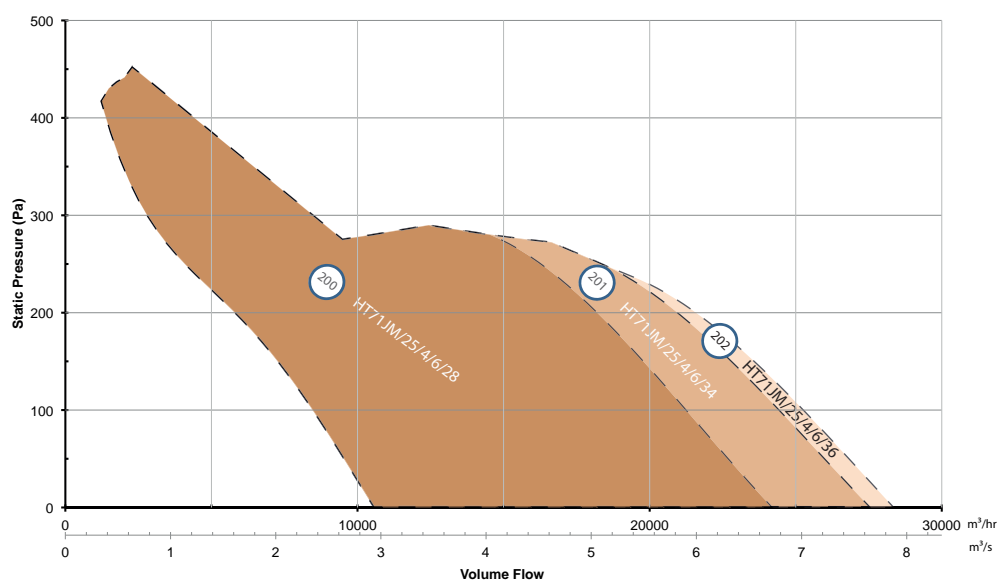
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only. *3 phase only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 400°C/2HRS HT JM - 710MM 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	20	40	60	80	100	125	150	175	200	250	300	350	400
200	HT71JM/25/4/6/28	6.67	6.49	6.32	6.16	5.99	5.83	5.62	5.41	5.19	4.95	4.40			
201	HT71JM/25/4/6/34	7.61	7.43	7.25	7.07	6.90	6.72	6.49	6.25	6.00	5.72				
202	HT71JM/25/4/6/36	7.84	7.67	7.49	7.32	7.14	6.96	6.72	6.48	6.21	5.90				

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
200	HT71JM/25/4/6/28	AJHL-400-1-XX	8	28	1440	4	100L (IE2)	2.64	5.49	30.62	CD2416	IDDXF54-7.2	70
201	HT71JM/25/4/6/34	AJHL-400-2-XX	8	34	1440	4	100L (IE2)	3.60	7.29	40.11	CD2416	IDDXF54-9	73
202	HT71JM/25/4/6/36	AJHL-400-3-XX	8	36	1440	4	112M (IE2)	4.80	9.69	49.53	CD2417	IDDXF54-12	74

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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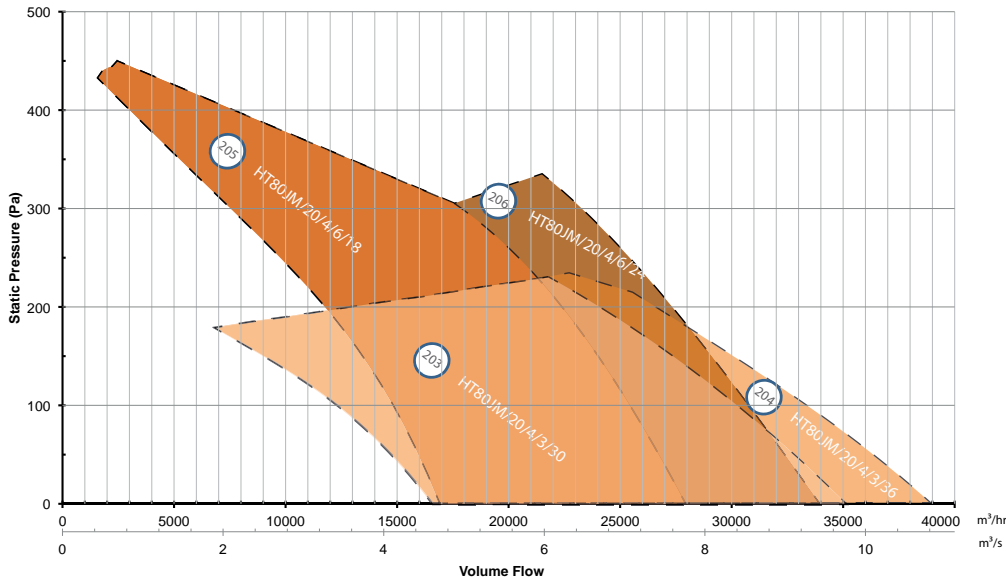
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 400°C/2HRS HT JM - 800MM 200MM HUB, 3 & 6 BLADES 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	20	40	60	80	100	125	150	175	200	250	300	350	400
203	HT80JM/20/4/3/30	9.78	9.52	9.26	8.98	8.69	8.39	8.00	7.58	7.13	6.64				
204	HT80JM/20/4/3/36	10.84	10.56	10.26	9.94	9.61	9.26	8.80	8.33	7.84	7.35				
205	HT80JM/20/4/6/18	7.73	7.59	7.45	7.31	7.16	7.01	6.81	6.60	6.37	6.13	5.56	4.81		
206	HT80JM/20/4/6/24	9.43	9.25	9.06	8.88	8.70	8.51	8.27	8.03	7.78	7.52	6.97	6.35		

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
203	HT80JM/20/4/3/30	AJHL-400-4-XX	8	30	1440	4	100L (IE2)	3.60	7.29	40.11	CD2416	IDDXF54-9	79
204	HT80JM/20/4/3/36	AJHL-400-5-XX	8	36	1440	4	112M (IE2)	4.80	9.69	49.53	CD2417	IDDXF54-12	82
205	HT80JM/20/4/6/18	AJHL-400-6-XX	8	18	1440	4	100L (IE2)	3.60	7.29	40.11	CD2416	IDDXF54-9	75
206	HT80JM/20/4/6/24	AJHL-400-7-XX	8	24	1440	4	112M (IE2)	4.80	9.69	49.53	CD2417	IDDXF54-12	76

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

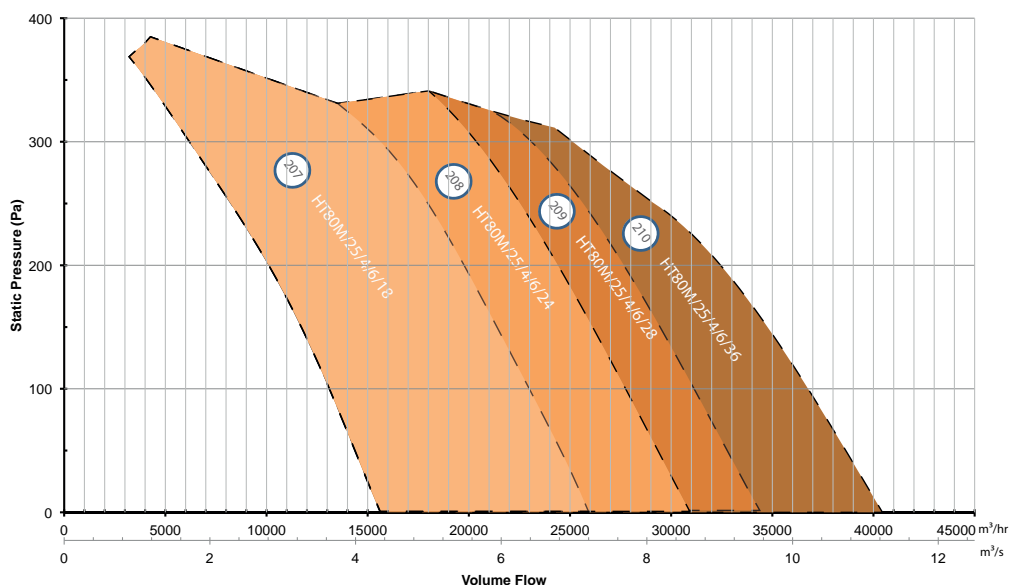
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 400°C/2HRS HT JM - 800MM 250MM HUB, 6 BLADES 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	20	40	60	80	100	125	150	175	200	250	300	350	400
207	HT80JM/25/4/6/18	7.16	7.01	6.84	6.67	6.49	6.31	6.08	5.85	5.62	5.38	4.86	4.16		
208	HT80JM/20/4/6/24	9.43	9.25	9.06	8.88	8.70	8.51	8.27	8.03	7.78	7.52	6.97	6.35		
209	HT80JM/25/4/6/28	9.57	9.38	9.19	9.00	8.81	8.62	8.38	8.14	7.89	7.62	7.03	6.27		
210	HT80JM/25/4/6/36	11.30	11.09	10.88	10.67	10.46	10.24	9.95	9.66	9.33	8.98				

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
207	HT80M/25/4/6/18	AJHL-400-8-XX	8	18	1440	4	100L (IE2)	2.64	5.49	30.62	CD2416	IDDXF54-7.2	74
208	HT80M/25/4/6/24	AJHL-400-9-XX	8	24	1440	4	100L (IE2)	3.60	7.29	40.11	CD2416	IDDXF54-9	74
209	HT80M/25/4/6/28	AJHL-400-10-XX	8	28	1440	4	112M (IE2)	4.80	9.69	49.53	CD2417	IDDXF54-12	75
210	HT80M/25/4/6/36	AJHL-400-11-XX	8	36	1440	4	132S (IE2)	6.60	12.5	76.25	CD2417	IDDXF54-15.5	79

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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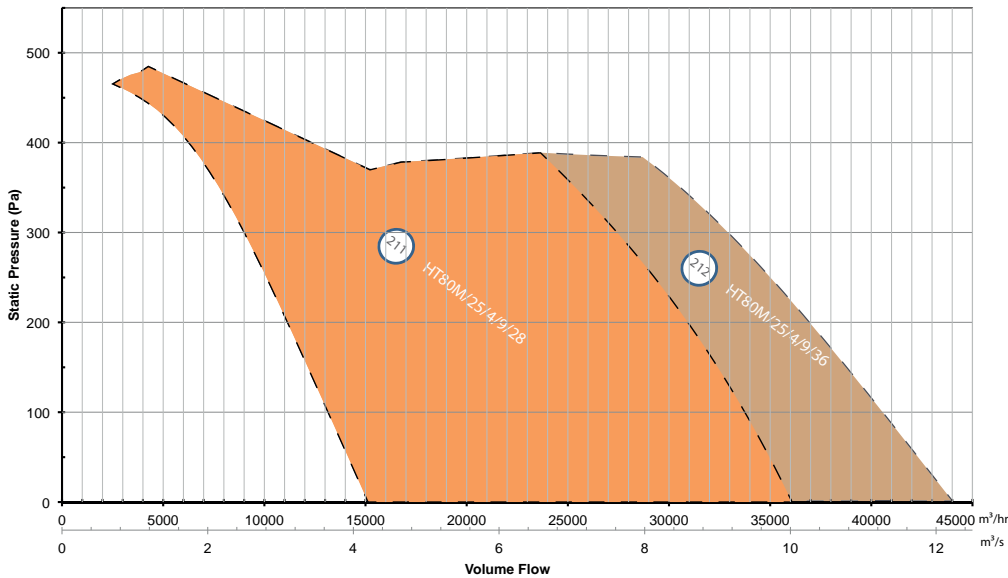
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 400°C/2HRS HT JM - 800MM 250MM HUB, 9 BLADES 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	20	40	60	80	100	125	150	175	200	250	300	350	400
211	HT80JM/25/4/9/28	10.06	9.94	9.81	9.69	9.55	9.42	9.24	9.05	8.85	8.65	8.20	7.70	7.15	6.54
212	HT80JM/25/4/9/36	12.32	12.13	11.93	11.74	11.55	11.36	11.11	10.87	10.62	10.36	9.84	9.27	8.64	

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
211	HT80M/25/4/9/28	AJHL-400-12-XX	8	28	1440	4	132S (IE2)	6.60	12.5	76.25	CD2417	IDDXF54-15.5	76
212	HT80M/25/4/9/36	AJHL-400-13-XX	8	36	1440	4	132M (IE2)	9.00	17.10	101.52	CD2417	IDDXF54-23	79

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

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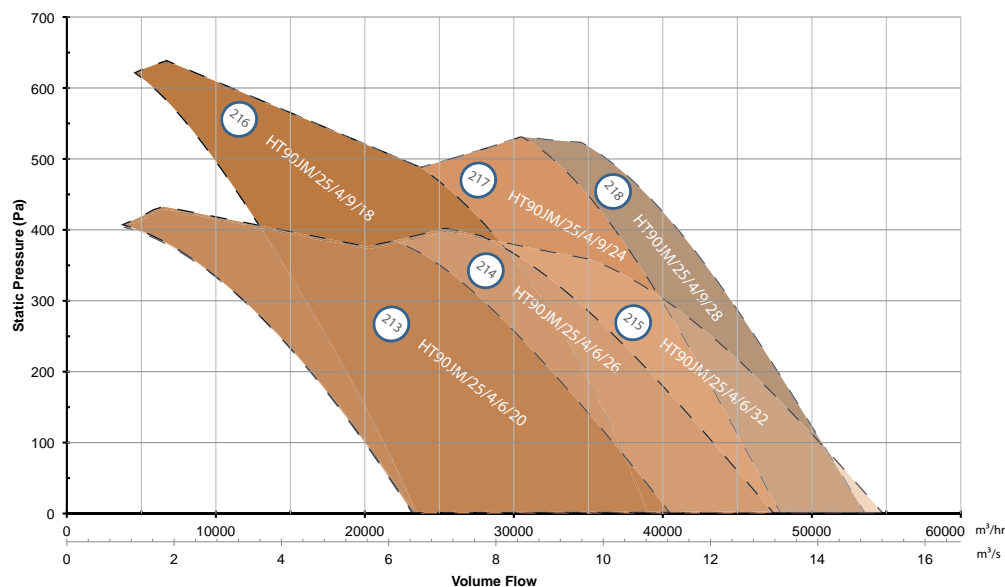
Sound pressure levels quoted are at the inlet, and are average dBA at 3m distance over a sphere at the mid point at the highest angle given, under free field conditions. These are presented for comparative purposes only.



PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 400°C/2HRS HT JM - 900MM 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	25	50	75	100	150	200	250	300	350	400	450	500	600
213	HT90JM/25/4/6/20	11.11	10.85	10.58	10.31	10.03	9.45	8.87	8.24	7.55	6.72				
214	HT90JM/25/4/6/26	13.09	12.80	12.51	12.22	11.93	11.34	10.72	10.06	9.33	8.46				
215	HT90JM/25/4/6/32	15.11	14.82	14.53	14.23	13.92	13.29	12.62	11.88	11.02	9.88				
216	HT90JM/25/4/9/18	10.70	10.56	10.42	10.28	10.13	9.81	9.47	9.09	8.67	8.19	7.63	6.94		
217	HT90JM/25/4/9/24	13.21	13.02	12.84	12.66	12.47	12.10	11.72	11.33	10.93	10.49	10.02	9.49	8.79	
218	HT90JM/25/4/9/28	14.80	14.60	14.39	14.19	13.98	13.56	13.13	12.69	12.24	11.74	11.21	10.60	9.79	

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
213	HT90JM/25/4/6/20	AJHL-400-14-XX	8	20	1440	4	112M (IE2)	4.80	9.69	49.53	CD2417	IDDXF54-12	79
214	HT90JM/25/4/6/26	AJHL-400-15-XX	8	26	1440	4	132S (IE2)	6.60	12.5	76.25	CD2417	IDDXF54-15.5	80
215	HT90JM/25/4/6/32	AJHL-400-16-XX	8	32	1440	4	132M (IE2)	9.00	17.10	101.52	CD2417	IDDXF54-23	82
216	HT90JM/25/4/9/18	AJHL-400-17-XX	8	18	1440	4	132S (IE2)	6.60	12.5	76.25	CD2417	IDDXF54-15.5	79
217	HT90JM/25/4/9/24	AJHL-400-18-XX	8	24	1440	4	132M (IE2)	9.00	17.10	101.52	CD2417	IDDXF54-23	80
218	HT90JM/25/4/9/28	AJHL-400-19-XX	8	28	1440	4	132M (IE2)	11.00	19.90	133.33	CD2417	IDDXF54-23	81

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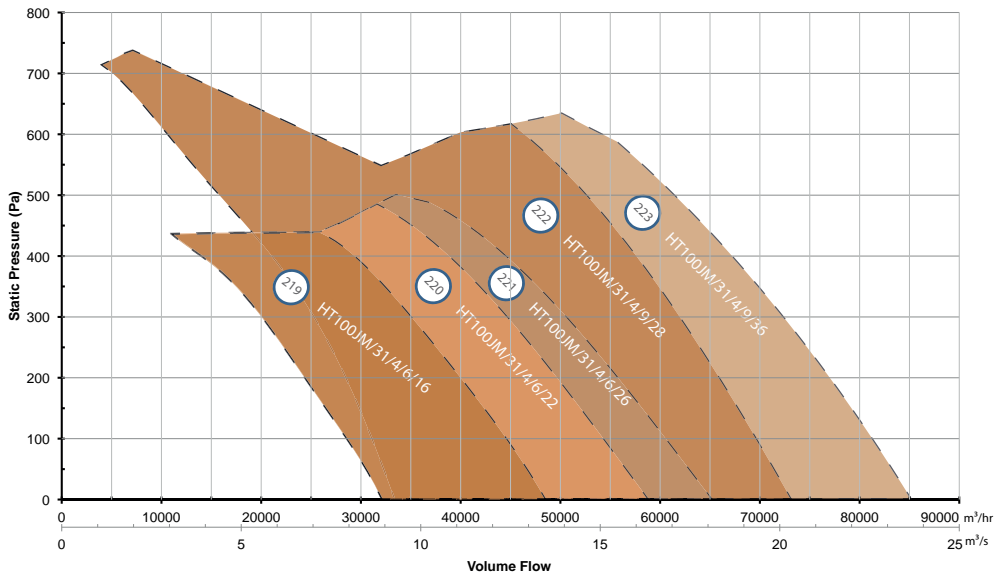
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PRODUCT PERFORMANCE & ELECTRICAL DATA

3PH 400°C/2HRS HT JM - 1000MM 4 POLE

PERFORMANCE CHART



PERFORMANCE TABLE

Ref	Product Code	m³/s @ Pa (Static)													
		0	25	50	75	100	150	200	250	300	350	400	450	500	600
219	HT100JM/31/4/6/16	13.39	13.13	12.86	12.57	12.27	11.62	10.95	10.26	9.54	8.78	7.91			
220	HT100JM/31/4/6/22	16.31	15.99	15.67	15.35	15.02	14.36	13.69	13.00	12.26	11.47	10.59	9.51		
221	HT100JM/31/4/6/26	18.14	17.80	17.47	17.14	16.80	16.12	15.43	14.71	13.95	13.12	12.21	11.10		
222	HT100JM/31/4/6/26	17.86	20.15	19.90	19.64	19.39	18.86	18.31	17.75	17.17	16.55	15.90	15.21	14.45	12.60
223	HT100JM/31/4/6/36	17.58	23.56	23.27	22.99	22.69	22.09	21.46	20.80	20.11	19.39	18.62	17.81	16.94	

PRODUCT AND ELECTRICAL TABLE

Ref	Product Code	Unique Product Code	Pitch Angle (°)		Speed rev/min	Phase	Motor	Rating (kW)	Full Load Current (A) (Total)	Starting Current (A) (Total)	Wiring Diagram	Inverter Control	Sound Levels
			Min	Max									
219	HT100JM/31/4/6/16	AJHL-400-20-XX	8	16	1440	4	132S (IE2)	6.60	12.50	76.25	CD2417	IDDXF54-15.5	86
220	HT100JM/31/4/6/22	AJHL-400-21-XX	8	22	1440	4	132M (IE2)	9.00	17.10	101.52	CD2417	IDDXF54-23	87
221	HT100JM/31/4/6/26	AJHL-400-22-XX	8	26	1440	4	132M (IE2)	11.00	19.90	133.33	CD2417	IDDXF54-23	88
222	HT100JM/31/4/9/28	AJHL-400-23-XX	8	28	1440	4	160L (IE2)	18.00	34.21	177.94	CD2417	IDDXF54-37	88
223	HT100JM/31/4/9/36	AJHL-400-24-XX	8	36	1440	4	180L (IE2)	26.40	49.50	277.20	CD2417	IDDXF54-61	91

Note - "XX" in Unique Product Code denotes impeller pitch angle, which must be a value between the "Min P/A" and "Max

Inverters can be used for Dual Mode High Temperature fans when fan is operating as a standard ventilation fan. Inverters must be switched out of circuit during a fire scenario.

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ENVIRONMENT
ECONOMICAL
EXPERTISE

IDDXF54 – HVAC INVERTER THREE PHASE IP54

DEMAND INDEPENDENT, SWITCHED AND PROPORTIONAL DRIVE – FOR AXIAL AND CENTRIFUGAL FANS

FEATURES

- 400V, 2.2-177A, 0.75-90kW 3 Ph
- Designed for HVAC applications i.e. Fire mode, Flying Start...
- Enclosures IP54 (see IDDXF20 for IP20 and IDDXF66 for IP66)
- Asynch and PM motor control. Max shielded cable length 25m
- Simple installation wizard.
Alpha-numeric display
- In built motor overheat protection via motor thermistors
- EMC A1/C2 integrated filters and DC choke for harmonic mitigation
- 4xDI, 2xAI, 1xAO/DO and 2xRO / RS485. Modbus RTU, N2, FLN and BACnet
- Maximum ambient 50°C

OPTIONAL ACCESSORIES

- PIR
- Temp Sensor
- CO₂ Sensor
- Pressure Sensor
- 0-10 V pot - (10 volt)

DESCRIPTION

Designed specifically for three phase fan applications our IDDXF Frequency converters control speed, torque, and the overall performance of AC and PM motors by controlling the power input. Independent, Switched and Proportional demand control from the included digital, and HVAC protocols ensures maximum efficiency and comfort to the level required.

A safety isolator/switch disconnecter should be installed on the mains side of all motor drives; refer to our SISO product within our controls publication.

When using an inverter with a dual mode fan which is capable of delivering both a normal ventilation and HT smoke extraction functions, the inverter must be switched out of circuit during a fire scenario. The mechanism for doing this is however not part of our supply.

RANGE

Model	Ph.	V	IP	Amps	kW	FWG Part	Enc.
IDDXF-54-2.2	3-3	400V	54	2.2	0.75	EA901016	I2
IDDXF-54-3.7	3-3	400V	54	3.7	1.5	EA901017	I2
IDDXF-54-5.3	3-3	400V	54	5.3	2.2	EA901018	I2
IDDXF-54-7.2	3-3	400V	54	7.2	3.0	EA901019	I2
IDDXF-54-9	3-3	400V	54	9	4.0	EA901020	I2
IDDXF-54-12	3-3	400V	54	12	5.5	EA901021	I3
IDDXF-54-15.5	3-3	400V	54	15.5	7.5	EA901022	I3
IDDXF-54-23	3-3	400V	54	23	11.0	EA901023	I4
IDDXF-54-31	3-3	400V	54	31	15.0	EA901024	I4
IDDXF-54-37	3-3	400V	54	37	18.5	EA901025	I4
IDDXF-54-42.5	3-3	400V	54	42.5	22.0	EA901026	I6
IDDXF-54-61	3-3	400V	54	61	30.0	EA901027	I6
IDDXF-54-73	3-3	400V	54	73	37.0	EA901028	I6
IDDXF-54-90	3-3	400V	54	90	45.0	EA901029	I7
IDDXF-54-106	3-3	400V	54	106	55.0	EA901069	I7
IDDXF-54-147	3-3	400V	54	147	75.0	EA901070	I8
IDDXF-54-177	3-3	400V	54	177	90.0	EA901071	I8



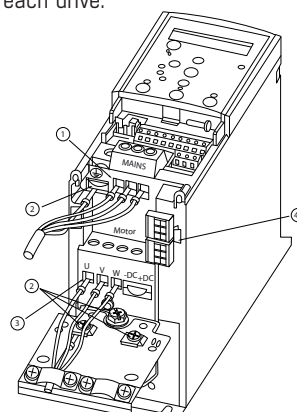
Description	FWG Part
Local Control Panel	EA901031
Local Control Panel mounting kit inc. 3m cable	EA901032
Decoupling plate H1 & H2	EA901033
Decoupling plate H3	EA901034
Decoupling plate H4 & H5	EA901035
IP21 option H1	EA901036
IP21 option H2	EA901037
IP21 option H3	EA901038
IP21 option H4	EA901039
IP21 option H5	EA901040

Please note:

If running in hand (manual) mode a external link is required between 12 and 27. If running in auto mode a external link is required between 12 and 18.

WIRING DIAGRAM

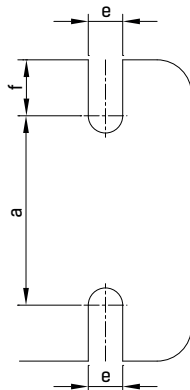
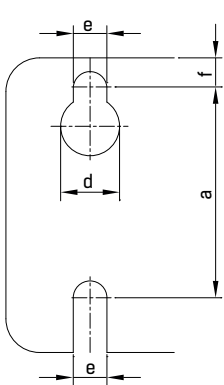
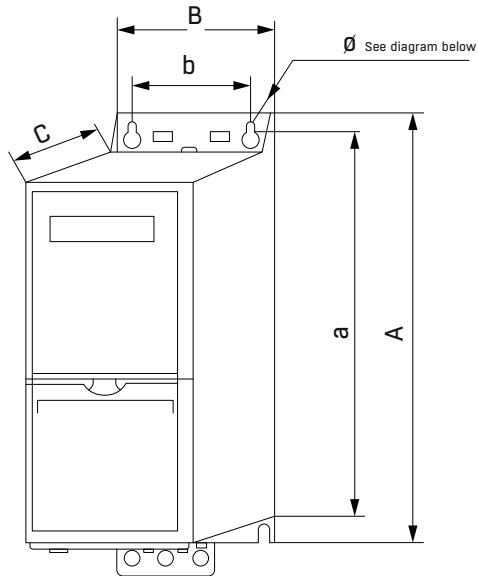
For detail please refer to the specific diagrams supplied with each drive.



- 1 - Line
- 2 - Earth
- 3 - Motor
- 4 - Relay



DIMENSIONS AND WEIGHTS

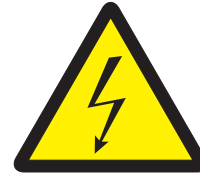


COMPATIBILITY

Please refer to the specific instructions & software supplied with each drive.



General danger



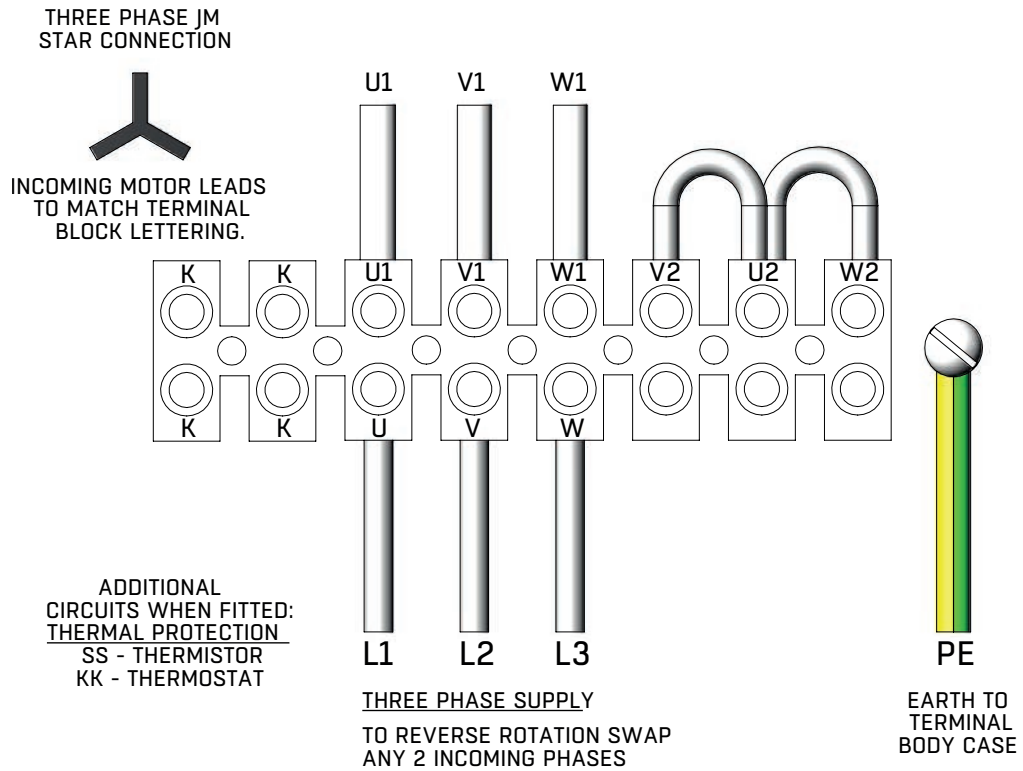
Electrical hazard

All works may only be carried out by skilled personnel following the local regulations, reference to the installation guide and **AFTER** the controller is completely isolated from the mains.

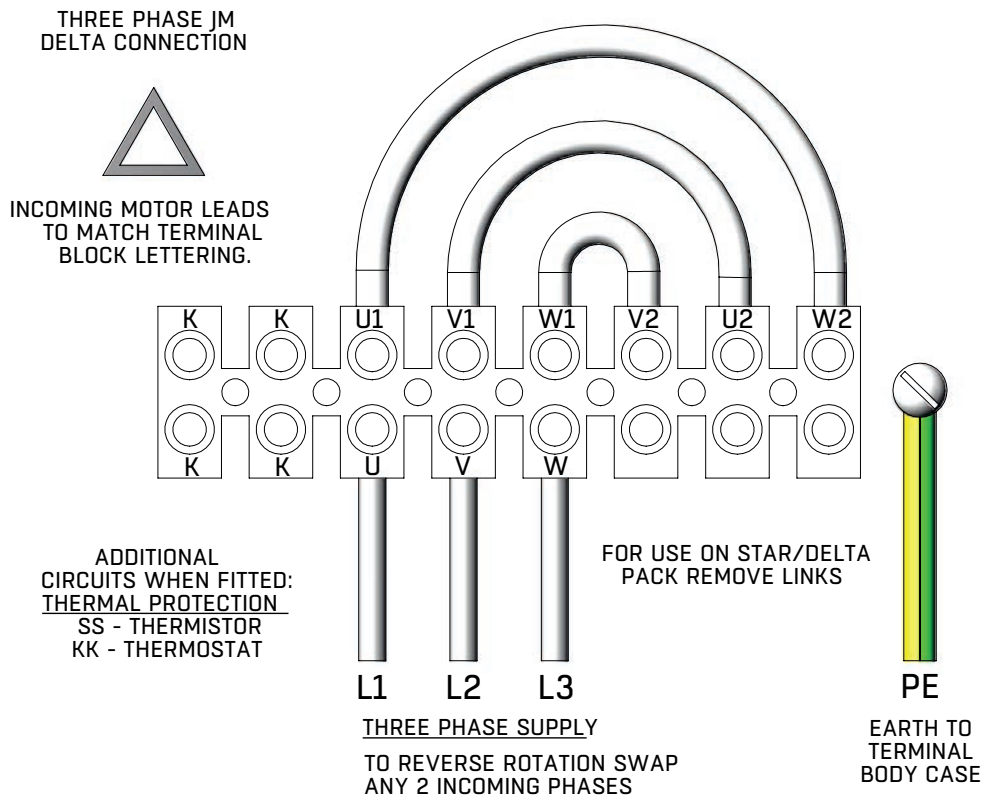
Enclosure	Power [kW]	Height [mm]	Width [mm]	Depth [mm]	Mounting hole [mm]			Max Weight [kg]			
					a	B	b		C	d	e
Frame IP Class	3x 380-480 V	A	"A incl Decoupling Plate"	a	B	b	C	d	e	f	kg
I2 IP54	0.75-4.0	332	-	318.5	115	74	225	11	5.5	9	5.3
I3 IP54	5.5-7.5	368	-	354	135	89	237	12	6.5	9.5	7.2
I4 IP54	11-18.5	476	-	460	180	133	290	12	6.5	9.5	13.8
I5 IP54	11-18.5	480	-	454	242	210	260	19	9	9	23
I6 IP54	22-37	650	-	624	242	210	260	19	9	9	27
I7 IP54	45-55	680	-	648	308	272	310	19	9	9.8	45
I8 IP54	75-90	770	-	739	370	334	335	19	9	9.8	65

WIRING DIAGRAMS

CD2416



CD2417



All dimensions in n

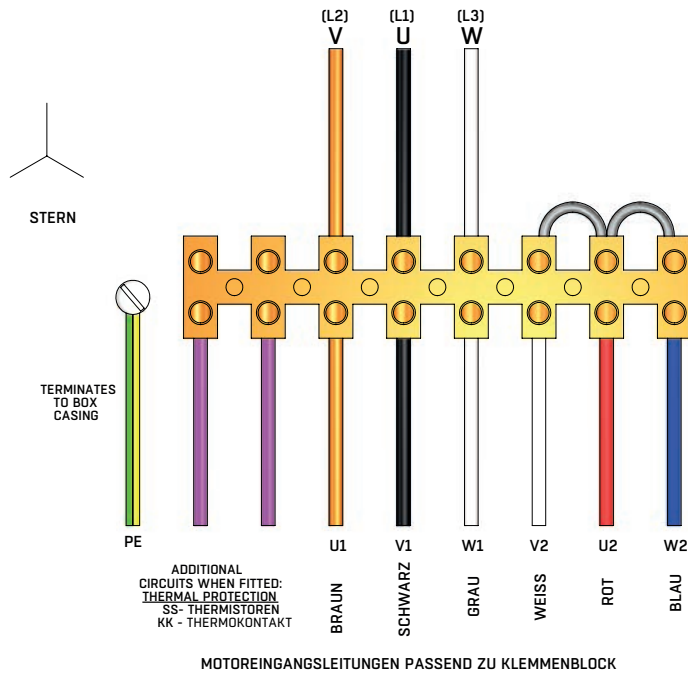


WIRING DIAGRAMS

CD3020

CONNECTION DIAGRAM FOR THREE PHASE DELTA FIXED SPEED USING 7 OR 10 CORE CABLE

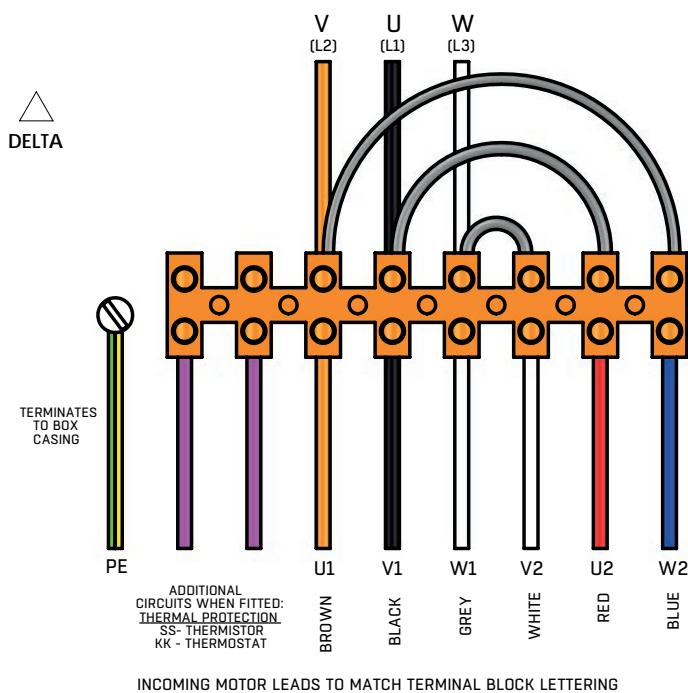
ROTATION IS ACDE FOR JMv (AS SHOWN) USE CDE ROTATION FOR JM*



CD3018

CONNECTION DIAGRAM FOR THREE PHASE DUAL VOLTAGE, STAR

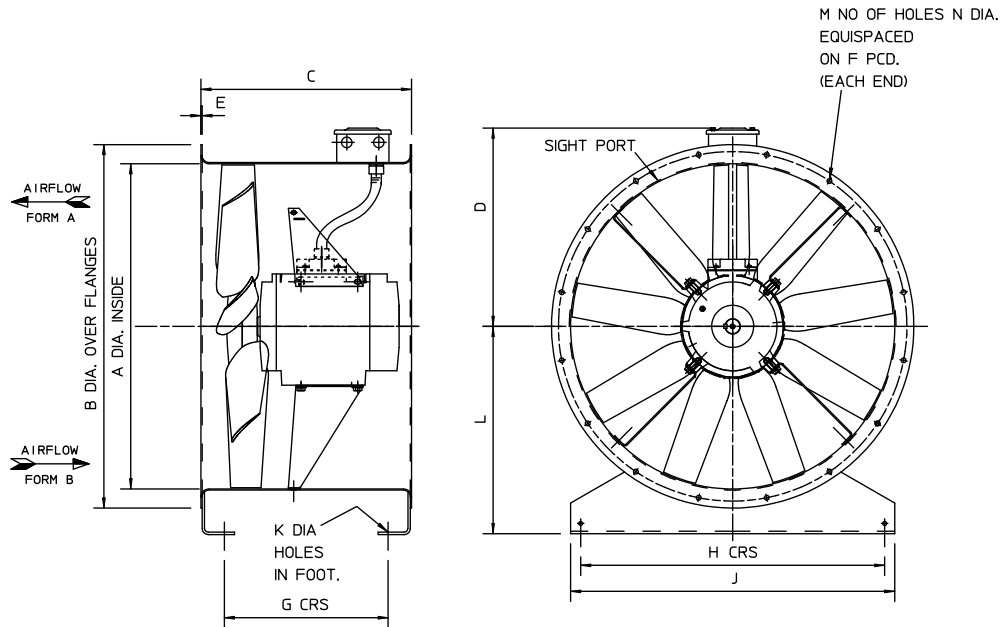
ROTATION IS ACDE FOR JMv (AS SHOWN) USE CDE ROTATION FOR JM*



* TO REVERSE ROTATION SWAP ANY 2 INCOMING PHASES

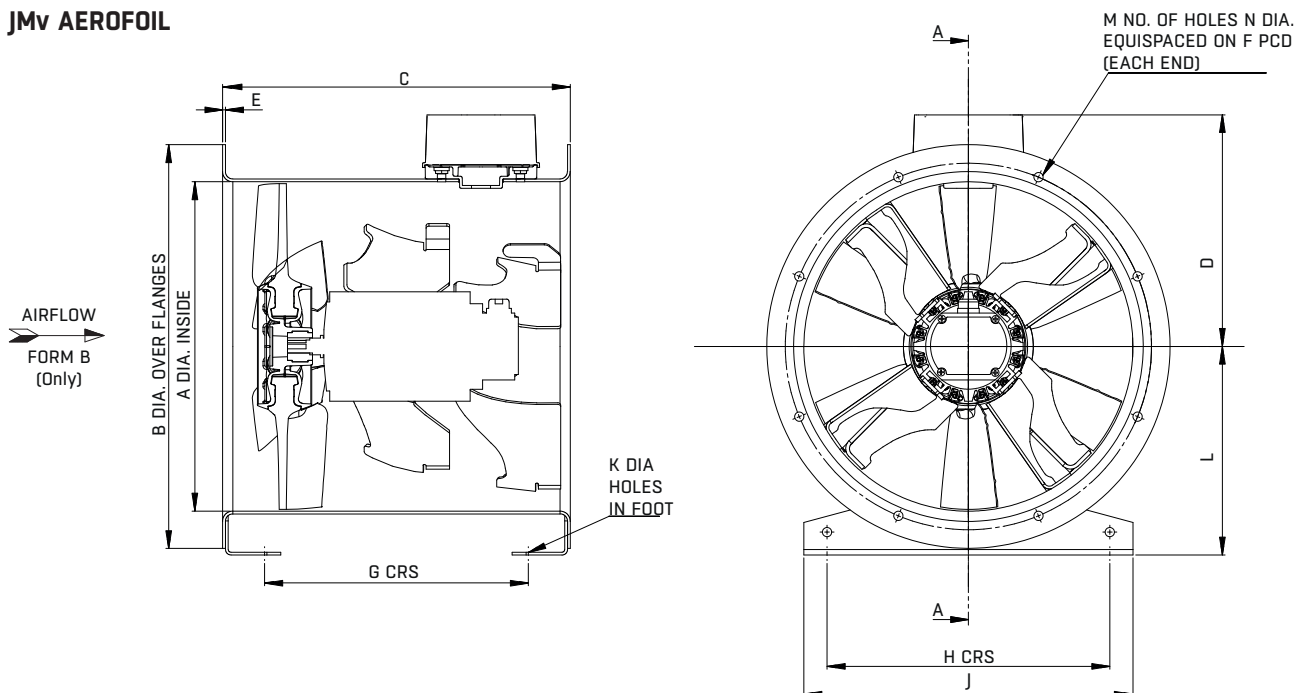
DRAWINGS

JM AEROFOIL



NOTE-
 DIMENSIONS SHOWN IN MM/WEIGHT IN KG
 THIS DRAWING SHOWS DIMENSIONS THAT SHOULD BE USED AS A GUIDE ONLY AND ARE SUBJECT TO CHANGE
 CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST

JMv AEROFOIL



All dimensions in mm.



DRAWING DIMENSIONS - 50°C FANS

Ref	Product Model	Motor Frame	Motor KW	A	B	C	D	E	F	G	H	J	K	L	M	N	Weight (kg)
1	31JMv/14/2/6/33	BT9 (IE1)	0.58	315	395	375	229.5	3	355	285	265	315	10	200	8	10	23
2	35JMv/14/2/6/30	80 (IE2)	0.90	355	435	375	249.5	3	395	285	305	355	10	225	8	10	34
3	35JMv/14/2/6/40	80 (IE2)	1.32	355	435	375	249.5	3	395	285	305	355	10	225	8	10	34
4	40JMv/16/2/6/14	80 (IE2)	0.90	400	480	375	272	3	450	285	350	400	10	250	8	10	35
5	40JMv/16/2/6/22	80 (IE2)	1.32	400	480	375	272	3	450	285	350	400	10	250	8	10	35
6	40JMv/16/2/6/29	80 (IE2)	1.73	400	480	375	272	3	450	285	350	400	10	250	8	10	35
7	45JMv/16/2/6/17	80 (IE2)	1.73	450	530	375	297	3	500	275	400	450	10	280	8	12	36
8	45JMv/16/2/6/32	L90L (IE2)	3.45	450	530	375	297	3	500	275	400	450	10	280	8	12	38
9	50JMv/16/2/6/19	L90L (IE2)	3.45	500	594	520	322	3	560	420	450	500	10	315	12	12	57
10	50JMv/20/2/6/30	112M (IE2)	6.20	500	594	520	322	3	560	420	450	500	10	315	12	12	78
11	50JMv/20/2/6/39	L112M (IE2)	8.63	500	594	520	322	3	560	420	450	500	10	315	12	12	82
12	56JMv/20/2/6/17	112M (IE2)	6.20	560	654	520	352	3	620	420	510	560	10	355	12	12	83
13	56JMv/20/2/6/24	L112M (IE2)	8.63	560	654	520	352	3	620	420	510	560	10	355	12	12	87
14	63JM/25/2/3/22	112M (IE2)	6.20	630	724	520	403	3	690	434	580	630	10	400	12	12	92
15	63JM/25/2/3/28	L112M (IE2)	8.63	630	724	520	403	3	690	434	580	630	10	400	12	12	92
16	31JMv/14/4/6/40	BT4 (IE1)	0.10	315	395	375	229.5	3	355	285	265	315	10	200	8	10	21
17	35JMv/14/4/6/8	BT4 (IE1)	0.04	355	435	375	249.5	3	395	285	305	355	10	225	8	10	22
18	40JMv/16/4/6/40	80 (IE2)	0.90	400	480	375	272	3	450	285	350	400	10	250	8	10	35
19	45JMv/16/4/6/35	80 (IE2)	0.66	450	530	375	297	3	500	275	400	450	10	280	8	12	36
20	50JMv/20/4/6/34	80 (IE2)	0.90	500	594	520	322	3	560	420	450	500	10	315	12	12	55
21	56JMv/20/4/6/35	90L (IE2)	1.80	560	654	520	352	3	620	420	510	560	10	355	12	12	61
22	63JMv/20/4/6/24	90L (IE2)	1.80	630	724	520	387	3	690	400	580	630	10	400	12	12	77
23	63JMv/20/4/6/33	100L (IE2)	2.64	630	724	520	387	3	690	400	580	630	10	400	12	12	91
30	71JM/20/4/6/22	100L (IE2)	2.64	710	804	520	443	3	770	434	660	710	10	440	16	12	84
31	71JM/20/4/6/30	100L (IE2)	3.60	710	804	520	443	3	770	434	660	710	10	440	16	12	84
32	71JM/20/4/6/36	112M (IE2)	4.80	710	804	520	443	3	770	434	660	710	10	440	16	12	95
33	71JM/25/4/9/20	100L (IE2)	2.64	710	804	520	443	3	770	434	660	710	10	440	16	12	84
34	71JM/25/4/9/28	100L (IE2)	3.60	710	804	520	443	3	770	434	660	710	10	440	16	12	84
35	71JM/25/4/9/34	112M (IE2)	4.80	710	804	520	443	3	770	434	660	710	10	440	16	12	95
36	80JM/20/4/6/18	100L (IE2)	3.60	800	894	520	443	3	860	434	750	800	10	510	16	12	89
37	80JM/20/4/6/24	112M (IE2)	4.80	800	894	520	443	3	860	434	750	800	10	510	16	12	100
38	80JM/25/4/9/22	112M (IE2)	4.80	800	894	520	443	3	860	434	750	800	10	510	16	12	100
39	80JM/25/4/9/28	L112M (IE2)	6.33	800	894	520	443	3	860	434	750	800	10	510	16	12	100
40	80JM/25/4/9/36	132M (IE2)	9.00	800	894	520	480	5	860	434	750	800	12	510	16	12	166
41	90JM/25/4/6/20	112M (IE2)	4.80	900	1006	520	538	3	970	444	850	900	10	518	16	15	107
42	90JM/25/4/6/26	L112M (IE2)	6.33	900	1006	520	575	5	970	440	850	900	12	518	16	15	179
43	90JM/25/4/6/32	132M (IE2)	9.00	900	1006	520	575	5	970	440	850	900	12	518	16	15	179
44	90JM/25/4/9/18	L112M (IE2)	6.33	900	1006	520	575	5	970	440	850	900	12	518	16	15	179
45	90JM/25/4/9/24	132M (IE2)	9.00	900	1006	520	575	5	970	440	850	900	12	518	16	15	179
46	100JM/25/4/6/22	132M (IE2)	9.00	1000	1106	520	625	5	1070	440	950	1000	12	574	16	15	200
47	100JM/25/4/9/14	132M (IE2)	9.00	1000	1106	520	625	5	1070	440	950	1000	12	574	16	15	200
48	100JM/31/4/9/14	132M (IE2)	9.00	1000	1106	520	625	5	1070	440	950	1000	12	574	16	15	200
49	100JM/31/4/9/22	160M (IE2)	13.20	1000	1106	625	625	5	1070	545	950	1000	12	574	16	15	260
50	100JM/31/4/9/28	160L (IE2)	18.00	1000	1106	711	625	6	1070	629	950	1000	12	574	16	15	295
51	100JM/31/4/9/36	180L (IE2)	26.40	1000	1106	711	625	6	1070	629	950	1000	12	574	16	15	348

All dimensions in mm.

DRAWING DIMENSIONS - 200°C FANS

Ref	Product Model	Motor Frame	Motor KW	A	B	C	D	E	F	G	H	J	K	L	M	N	Weight (kg)
60	HT40JMv/16/2/6/14	80 (IE2)	0.90	400	480	375	272	3	450	285	350	400	10	250	8	10	35
61	HT40JMv/16/2/6/22	80 (IE2)	1.32	400	480	375	272	3	450	285	350	400	10	250	8	10	35
62	HT40JMv/16/2/6/29	80 (IE2)	1.73	400	480	375	272	3	450	285	350	400	10	250	8	10	35
63	HT45JMv/16/2/6/17	80 (IE2)	1.73	450	530	375	297	3	500	275	400	450	10	280	8	12	36
64	HT45JMv/16/2/6/32	L90L (IE2)	3.45	450	530	375	297	3	500	275	400	450	10	280	8	12	38
65	HT50JMv/16/2/6/19	L90L (IE2)	3.45	500	594	520	322	3	560	420	450	500	10	315	12	12	57
66	HT56JMv/20/2/6/17	112M (IE2)	6.20	560	654	520	352	3	620	420	510	560	10	355	12	12	83
67	HT63JM/25/2/3/22	112M (IE2)	6.20	630	724	520	403	3	690	434	580	630	10	400	12	12	92
68	HT63JM/25/2/3/28	L112M (IE2)	8.63	630	724	520	403	3	690	434	580	630	10	400	12	12	92
69	HT40JMv/16/4/6/40	80 (IE2)	0.90	400	480	375	272	3	450	285	350	400	10	250	8	10	35
70	HT45JMv/16/4/6/35	80 (IE2)	0.66	450	530	375	297	3	500	275	400	450	10	280	8	12	36
71	HT50JMv/20/4/6/34	80 (IE2)	0.90	500	594	520	322	3	560	420	450	500	10	315	12	12	55
72	HT56JMv/20/4/6/35	90L (IE2)	1.80	560	654	520	352	3	620	420	510	560	10	355	12	12	61
73	HT63JMv/20/4/6/24	90L (IE2)	1.80	630	724	520	387	3	690	400	580	630	10	400	12	12	80
74	HT63JMv/20/4/6/33	100L (IE2)	2.64	630	724	520	387	3	690	400	580	630	10	400	12	12	91
90	HT71JM/20/4/6/22	100L (IE2)	2.64	710	804	520	443	3	770	434	660	710	10	440	16	12	84
91	HT71JM/20/4/6/30	100L (IE2)	3.60	710	804	520	443	3	770	434	660	710	10	440	16	12	84
92	HT71JM/20/4/6/36	112M (IE2)	4.80	710	804	520	443	3	770	434	660	710	10	440	16	12	95
93	HT71JM/25/4/9/20	100L (IE2)	2.64	710	804	520	443	3	770	434	660	710	10	440	16	12	84
94	HT71JM/25/4/9/28	100L (IE2)	3.60	710	804	520	443	3	770	434	660	710	10	440	16	12	84
95	HT71JM/25/4/9/34	112M (IE2)	4.80	710	804	520	443	3	770	434	660	710	10	440	16	12	95
96	HT80JM/20/4/6/18	100L (IE2)	3.60	800	894	520	443	3	860	434	750	800	10	510	16	12	89
97	HT80JM/20/4/6/24	112M (IE2)	4.80	800	894	520	443	3	860	434	750	800	10	510	16	12	100
98	HT80JM/25/4/9/22	112M (IE2)	4.80	800	894	520	443	3	860	434	750	800	10	510	16	12	100
99	HT80JM/25/4/9/28	132S (IE2)	6.60	800	894	520	480	5	860	434	750	800	12	510	16	12	166
100	HT80JM/25/4/9/36	132M (IE2)	9.00	800	894	520	480	5	860	434	750	800	12	510	16	12	166
101	HT90JM/25/4/6/20	112M (IE2)	4.80	900	1006	520	538	3	970	444	850	900	10	518	16	15	107
102	HT90JM/25/4/6/26	132S (IE2)	6.60	900	1006	520	575	5	970	440	850	900	12	518	16	15	179
103	HT90JM/25/4/6/32	132M (IE2)	9.00	900	1006	520	575	5	970	440	850	900	12	518	16	15	179
104	HT90JM/25/4/9/18	132S (IE2)	6.60	900	1006	520	575	5	970	440	850	900	12	518	16	15	179
105	HT90JM/25/4/9/24	132M (IE2)	9.00	900	1006	520	575	5	970	440	850	900	12	518	16	15	179
106	HT100JM/25/4/6/22	132M (IE2)	9.00	1000	1106	520	625	5	1070	440	950	1000	12	574	16	15	200
107	HT100JM/25/4/9/14	132M (IE2)	9.00	1000	1106	520	625	5	1070	440	950	1000	12	574	16	15	200
108	HT100JM/31/4/9/14	132M (IE2)	9.00	1000	1106	520	625	5	1070	440	950	1000	12	574	16	15	200
109	HT100JM/31/4/9/22	160M (IE2)	13.20	1000	1106	625	625	5	1070	545	950	1000	12	574	16	15	260
110	HT100JM/31/4/9/28	160L (IE2)	18.00	1000	1106	711	625	6	1070	629	950	1000	12	574	16	15	295
111	HT100JM/31/4/9/36	180L (IE2)	26.40	1000	1106	711	625	6	1070	629	950	1000	12	574	16	15	348

All dimensions in mm.



DRAWING DIMENSIONS - 300°C FANS

Ref	Product Model	Motor Frame	Motor KW	A	B	C	D	E	F	G	H	J	K	L	M	N	Weight (kg)
120	HT31JMv/14/2/6/36	80 (IE3)	0.90	315	395	375	229.5	3	355	285	265	315	10	200	8	10	33
121	HT35JMv/14/2/6/30	80 (IE2)	0.90	355	435	375	249.5	3	395	285	305	355	10	225	8	10	34
122	HT35JMv/14/2/6/40	80 (IE2)	1.32	355	435	375	249.5	3	395	285	305	355	10	225	8	10	34
123	HT40JMv/16/2/6/14	80 (IE2)	0.90	400	480	375	272	3	450	285	350	400	10	250	8	10	35
124	HT40JMv/16/2/6/22	80 (IE2)	1.32	400	480	375	272	3	450	285	350	400	10	250	8	10	35
125	HT40JMv/16/2/6/29	80 (IE2)	1.73	400	480	375	272	3	450	285	350	400	10	250	8	10	35
126	HT45JMv/16/2/6/13	80 (IE2)	1.32	450	530	375	297	3	500	275	400	450	10	280	8	12	36
127	HT45JMv/16/2/6/17	80 (IE2)	1.73	450	530	375	297	3	500	275	400	450	10	280	8	12	36
128	HT45JMv/16/2/6/32	L90L (IE2)	3.45	450	530	375	297	3	500	275	400	450	10	280	8	12	38
129	HT50JMv/20/2/6/24	112M (IE2)	4.80	500	594	520	322	3	560	420	450	500	10	315	12	12	78
130	HT50JMv/20/2/6/30	112M (IE2)	6.33	500	594	520	322	3	560	420	450	500	10	315	12	12	78
131	HT50JMv/20/2/6/38	112M (IE2)	8.25	500	594	520	322	3	560	420	450	500	10	315	12	12	78
132	HT56JMv/20/2/6/12	112M (IE2)	4.80	560	654	520	352	3	620	420	510	560	10	355	12	12	83
133	HT56JMv/20/2/6/17	112M (IE2)	6.33	560	654	520	352	3	620	420	510	560	10	355	12	12	83
134	HT56JMv/20/2/6/23	112M (IE2)	8.25	560	654	520	352	3	620	420	510	560	10	355	12	12	83
135	HT63JM/25/2/3/28	112M (IE2)	8.25	630	724	520	403	3	690	434	580	630	10	400	12	12	92
136	HT40JMv/16/4/6/40	80 (IE2)	0.90	400	480	375	272	3	450	285	350	400	10	250	8	10	35
137	HT45JMv/16/4/6/35	80 (IE2)	0.66	450	530	375	297	3	500	275	400	450	10	280	8	12	36
138	HT50JMv/20/4/6/26	80 (IE2)	0.66	500	594	520	322	3	560	420	450	500	10	315	12	12	55
139	HT50JMv/20/4/6/34	80 (IE2)	0.90	500	594	520	322	3	560	420	450	500	10	315	12	12	55
140	HT56JMv/20/4/6/35	90L (IE2)	1.80	560	654	520	352	3	620	420	510	560	10	355	12	12	61
141	HT63JMv/20/4/6/24	90L (IE2)	1.80	630	724	520	387	3	690	400	580	630	10	400	12	12	80
142	HT63JMv/20/4/6/35	100L (IE2)	3.60	630	724	520	387	3	690	400	580	630	10	400	12	12	91
150	HT71JM/20/4/6/30	100L (IE2)	3.60	710	804	520	443	3	770	434	660	710	10	440	16	12	84
151	HT71JM/20/4/6/36	112M (IE2)	4.80	710	804	520	443	3	770	434	660	710	10	440	16	12	95
152	HT71JM/25/4/6/34	100L (IE2)	3.60	710	804	520	443	3	770	434	660	710	10	440	16	12	84
153	HT71JM/25/4/9/28	100L (IE2)	3.60	710	804	520	443	3	770	434	660	710	10	440	16	12	84
154	HT71JM/25/4/9/34	112M (IE2)	4.80	710	804	520	443	3	770	434	660	710	10	440	16	12	95
155	HT71JM/25/4/9/36	L112M (IE2)	6.33	710	804	520	443	3	770	434	660	710	10	440	16	12	95
156	HT80JM/20/4/6/18	100L (IE2)	3.60	800	894	520	443	3	860	434	750	800	10	510	16	12	89
157	HT80JM/20/4/6/24	112M (IE2)	4.80	800	894	520	443	3	860	434	750	800	10	510	16	12	100
158	HT80JM/20/4/6/32	L112M (IE2)	6.33	800	894	520	443	3	860	434	750	800	10	510	16	12	100
159	HT80JM/25/4/6/36	L112M (IE2)	6.33	800	894	520	443	3	860	434	750	800	10	510	16	12	100
160	HT80JM/25/4/9/18	100L (IE2)	3.60	800	894	520	443	3	860	434	750	800	10	510	16	12	89
161	HT80JM/25/4/9/22	112M (IE2)	4.80	800	894	520	443	3	860	434	750	800	10	510	16	12	100
162	HT80JM/25/4/9/28	L112M (IE2)	6.33	800	894	520	443	3	860	434	750	800	10	510	16	12	100
163	HT80JM/25/4/9/36	132M (IE2)	9.00	800	894	520	480	5	860	434	750	800	12	510	16	12	166
164	HT90JM/25/4/9/18	112M (IE2)	6.33	900	1006	520	538	3	970	444	850	900	10	518	16	15	107
165	HT90JM/25/4/9/24	132M (IE2)	9.00	900	1006	520	575	5	970	440	850	900	12	518	16	15	179
166	HT90JM/25/4/9/32	132M (IE2)	12.70	900	1006	520	575	5	970	440	850	900	12	518	16	15	179
167	HT100JM/25/4/9/14	132M (IE2)	9.00	1000	1106	520	625	5	1070	440	950	1000	12	574	16	15	200
168	HT100JM/25/4/9/20	132M (IE2)	12.70	1000	1106	520	625	5	1070	440	950	1000	12	574	16	15	200
169	HT100JM/25/4/9/28	160L (IE2)	18.00	1000	1106	711	625	5	1070	629	950	1000	12	574	16	15	295
170	HT100JM/31/4/9/14	132M (IE2)	9.00	1000	1106	520	625	5	1070	440	950	1000	12	574	16	15	200
171	HT100JM/31/4/9/20	132M (IE2)	12.70	1000	1106	520	625	5	1070	440	950	1000	12	574	16	15	200
172	HT100JM/31/4/9/28	160L (IE2)	18.00	1000	1106	711	625	6	1070	629	950	1000	12	574	16	15	295
173	HT100JM/31/4/9/36	180L (IE2)	26.40	1000	1106	711	625	6	1070	629	950	1000	12	574	16	15	348

All dimensions in mm.

DRAWING DIMENSIONS - 400°C FANS

Ref	Product Model	Motor Frame	Motor KW	A	B	C	D	E	F	G	H	J	K	L	M	N	Weight (kg)
180	HT31JMv/14/2/6/36	80 (IE3)	0.90	315	395	375	229.5	3	355	285	265	315	10	200	8	10	33
181	HT35JMv/14/2/6/30	80 (IE2)	0.90	355	435	375	249.5	3	395	285	305	355	10	225	8	10	34
182	HT35JMv/14/2/6/40	80 (IE2)	1.73	355	435	375	249.5	3	395	285	305	355	10	225	8	10	34
183	HT40JMv/16/2/6/14	80 (IE2)	0.90	400	480	375	272	3	450	285	350	400	10	250	8	10	35
184	HT40JMv/16/2/6/29	80 (IE2)	1.73	400	480	375	272	3	450	285	350	400	10	250	8	10	35
185	HT40JMv/16/4/6/40	80 (IE2)	0.90	400	480	375	272	3	450	285	350	400	10	250	8	10	35
186	HT45JMv/16/4/6/35	80 (IE2)	0.90	450	530	375	297	3	500	275	400	450	10	280	8	12	36
187	HT50JMv/20/4/6/34	80 (IE2)	0.90	500	594	520	322	3	560	420	450	500	10	315	12	12	55
188	HT50JMv/20/4/6/40	80 (IE2)	1.27	500	594	520	322	3	560	420	450	500	10	315	12	12	55
189	HT56JMv/20/4/6/35	90L (IE2)	1.80	560	654	520	352	3	620	420	510	560	10	355	12	12	61
190	HT63JMv/20/4/6/24	90L (IE2)	1.80	630	724	520	387	3	690	400	580	630	10	400	12	12	80
191	HT63JMv/20/4/6/33	100L (IE2)	2.64	630	724	520	387	3	690	400	580	630	10	400	12	12	91
200	HT71JM/25/4/6/28	100L (IE2)	2.64	710	804	520	443	3	770	434	660	710	10	440	16	12	84
201	HT71JM/25/4/6/34	100L (IE2)	3.60	710	804	520	443	3	770	434	660	710	10	440	16	12	84
202	HT71JM/25/4/6/36	112M (IE2)	4.80	710	804	520	443	3	770	434	660	710	10	440	16	12	95
203	HT80JM/20/4/3/30	100L (IE2)	3.60	800	894	520	443	3	860	434	750	800	10	510	16	12	89
204	HT80JM/20/4/3/36	112M (IE2)	4.80	800	894	520	443	3	860	434	750	800	10	510	16	12	100
205	HT80JM/20/4/6/18	100L (IE2)	3.60	800	894	520	443	3	860	434	750	800	10	510	16	12	89
206	HT80JM/20/4/6/24	112M (IE2)	4.80	800	894	520	443	3	860	434	750	800	10	510	16	12	100
207	HT80M/25/4/6/18	100L (IE2)	2.64	800	894	520	443	3	860	434	750	800	10	510	16	12	89
208	HT80M/25/4/6/24	100L (IE2)	3.60	800	894	520	443	3	860	434	750	800	10	510	16	12	89
209	HT80M/25/4/6/28	112M (IE2)	4.80	800	894	520	443	3	860	434	750	800	10	510	16	12	100
210	HT80M/25/4/6/36	132S (IE2)	6.60	800	894	520	480	5	860	434	750	800	12	510	16	12	166
211	HT80M/25/4/9/28	132S (IE2)	6.60	800	894	520	480	5	860	434	750	800	12	510	16	12	166
212	HT80M/25/4/9/36	132M (IE2)	9.00	800	894	520	480	5	860	434	750	800	12	510	16	12	166
213	HT90JM/25/4/6/20	112M (IE2)	4.80	900	1006	520	538	3	970	444	850	900	10	518	16	15	107
214	HT90JM/25/4/6/26	132S (IE2)	6.60	900	1006	520	575	5	970	440	850	900	12	518	16	15	179
215	HT90JM/25/4/6/32	132M (IE2)	9.00	900	1006	520	575	5	970	440	850	900	12	518	16	15	179
216	HT90JM/25/4/9/18	132S (IE2)	6.60	900	1006	520	575	5	970	440	850	900	12	518	16	15	179
217	HT90JM/25/4/9/24	132M (IE2)	9.00	900	1006	520	575	5	970	440	850	900	12	518	16	15	179
218	HT90JM/25/4/9/28	132M (IE2)	11.00	900	1006	520	575	5	970	440	850	900	12	518	16	15	179
219	HT100JM/31/4/6/16	132S (IE2)	6.60	1000	1106	520	625	5	1070	440	950	1000	12	574	16	15	200
220	HT100JM/31/4/6/22	132M (IE2)	9.00	1000	1106	520	625	5	1070	440	950	1000	12	574	16	15	200
221	HT100JM/31/4/6/26	132M (IE2)	11.00	1000	1106	520	625	5	1070	440	950	1000	12	574	16	15	200
222	HT100JM/31/4/9/28	160L (IE2)	18.00	1000	1106	711	625	6	1070	629	950	1000	12	574	16	15	295
223	HT100JM/31/4/9/36	180L (IE2)	26.40	1000	1106	711	625	6	1070	629	950	1000	12	574	16	15	348

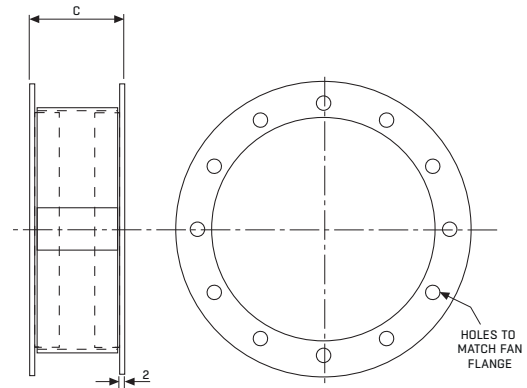
All dimensions in mm.



CASED & PLATE AXIAL - ACCESSORIES

JM/JMv MATCHING FLANGE AND FLEXIBLE CONNECTOR

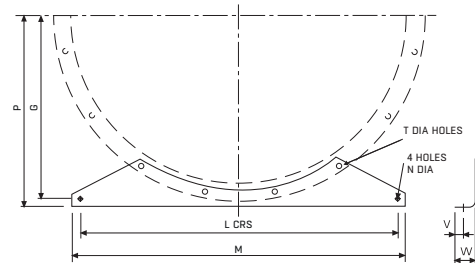
Suitable for fan ØA	Product Number		Weight (kg)		
	Matching Flange	Flexible Connector	C	Matching Flange	Flexible Connector
315	408238	AS040315	110	1.1	3.3
355	501351	AS040355	110	1.3	3.9
400	074913	AS040400	110	1.5	4.5
450	501353	AS040450	110	1.7	5.0
500	074914	AS040500	110	2.0	5.5
560	501355	AS040560	110	2.3	6.9
630	074915	AS040630	160	3.0	7.5
710	074916	AS040710	160	3.2	8.1
800	74917	AS040800	160	3.6	9.1
900	404841	AS040900	160	4.1	10.4
1000	74918	AS041000	165	4.6	12.4



Note: Flexible connection weight includes two matching flanges. Suitable for up to 400°C emergency operation for 2 hours and 200°C continuous.

JM/JMv MOUNTING FEET (SET OF 2)

Product Code	Max Motor Frame	Product Number	G	L	M	N	P	T	V	W	Weight Kg
315	80	AS021102	175	265	315	10	200	10	20	60	1.6
355	80	AS021103	200	305	355	10	225	10	20	60	2.2
400	80	AS021104	225	350	400	10	250	12	20	60	2.4
450	100	AS021105	255	400	450	10	280	12	20	60	3.0
500	112	AS021106	290	450	500	10	315	12	25	65	4.0
560	112	AS021107	330	510	560	10	355	12	25	65	4.6
630	100	AS021108	375	580	630	10	400	12	25	65	4.8
710	112	AS021110	415	660	710	10	440	12	25	80	7.0
800	112	AS021112	485	750	800	10	510	12	25	80	10.6
800	160	AS021113	485	750	800	12	510	12	25	80	10.6
900	112	AS021114	491	850	900	10	518	15	25	60	10.6
900	160	AS021115	491	850	900	12	518	15	25	60	10.6
1000	112	AS021116	605	950	1000	14	630	15	25	60	26.4
1000	160	AS021117	605	950	1000	14	630	15	25	60	26.4

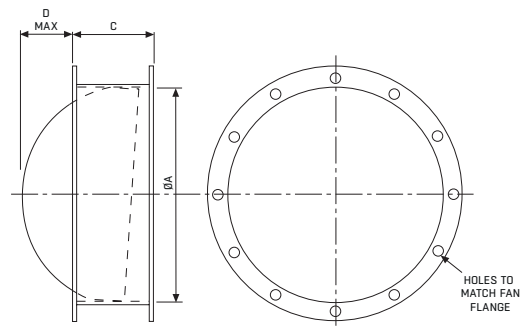


The "AS" product numbers shown consist of a set of 2 mounting feet.

JM/JMv DAMPER

Suitable for fan ØA	Product Number	C	D	Weight (kg)
315	414942	225	-	8
355	414943	225	-	9
400	414944	225	17	10
450	414945	225	75	12
500	414473	225	75	16
560	414474	225	125	18
630	414475	225	176	20
710	414476	225	210	25
800	414477	225	266	27
900	414478	225	305	31
1000	414479	225	345	36

Note: Suitable for up to 400°C emergency operation and 200°C continuous. Product not stocked, available in 3 working weeks.



All dimensions in mm.

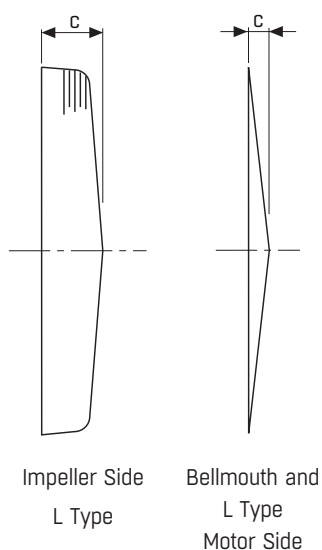
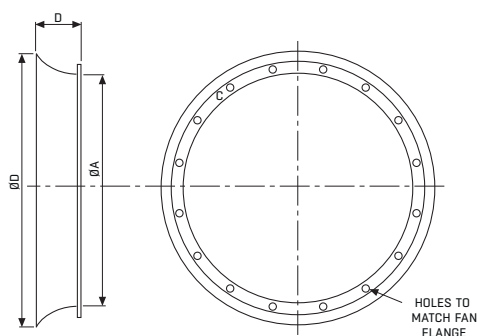
See Note 1

CASED - ACCESSORIES

JM/JMv BELLMOUTH INLET - FAN WITH FLANGED INLET ONLY

Suitable for fan ØA	Product Number	C	Ø D	Weight (kg)
315	408593	65	387	1
355	248950	85	430	1.5
400	74880	90	482	1.5
450	248952	95	545	2
500	74881	87	606	2.9
560	248953	97	665	4.5
630	74882	108	763	4.8
710	74883	126	863	5.4
800	74884	134	962	6.8
900	404842	150	1084	8
1000	74885	167	1244	17.8

See Note 1



JM/JMv GUARD

Product Number	Description	Motor Frame	Dim C	Weight Kg
248853	31JM/JMP Guard Impeller (L)	BT/CT	137	1.2
248854	35JM/JMP Guard Impeller (L)	BT/CT	137	1.5
248856	40JM/JMP Guard Impeller (L)	BT/CT	137	1.6
248855	45JM/JMP Guard Impeller (L)	BT/CT	137	2
245014	50JM/JMP Guard Impeller (L)	BT/CT	137	2
245074	56JM/JMP Guard Impeller Side (L)	N/A	137	2.5
245060	63JM Guard Impeller Side (L)	N/A	137	2.8
245058	71JM Guard Impeller Side (L)	N/A	137	3.2
244460	80JM Guard Impeller Side (L)	N/A	137	3.5
245062	90JM Guard Impeller Side (L)	N/A	137	4.2
244955	100JM Guard Impeller Side (L)	N/A	137	5
249354	31JM Guard Bellmouth and M/side (L)	N/A	30	0.5
249334	35JM Guard Bellmouth and M/side (L)	N/A	30	0.5
249355	40JM Guard Bellmouth and M/side (L)	N/A	30	0.6
249356	45JM Guard Bellmouth and M/side (L)	N/A	30	0.6
249357	50JM Guard Bellmouth and M/side (L)	N/A	30	0.7
249358	56JM Guard Bellmouth and M/side (L)	N/A	50	1
249359	63JM Guard Bellmouth and M/side (L)	N/A	50	1.2
249360	71JM Guard Bellmouth and M/side (L)	N/A	50	1.4
249361	80JM Guard Bellmouth and M/side (L)	N/A	50	1.5
249362	90JM Guard Bellmouth and M/side (L)	N/A	50	1.7
249333	100JM Guard Bellmouth and M/side (L)	N/A	50	2

See Note 1

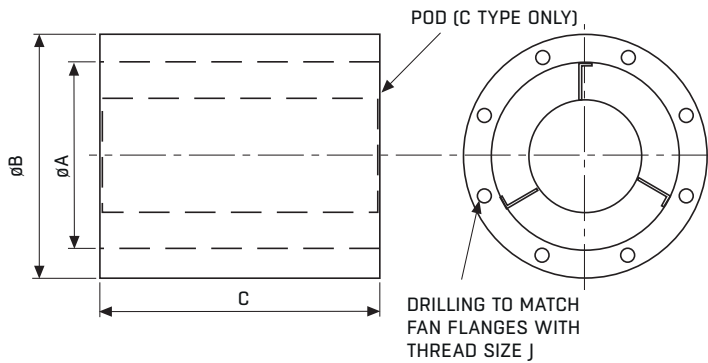
All dimensions in mm.

Note 1: Air operated dampers, bellmouth inlets & guards are not stocked items so are available on a slightly longer leadtime (3-4 weeks)



CASED - ACCESSORIES

SILENCER



B TYPE SILENCER

Bore Dia. mm (A)	Product Number	B	C	J	Weight (kg)
315	SB211401	415	315	M8	10
355	SB221401	455	355	M8	12
400	SB241401	500	400	M10	15
450	SB251401	600	450	M10	20
500	SB271401	650	500	M10	25
560	SB281401	710	560	M10	30
630	SB301401	780	630	M10	35
710	SB311401	860	710	M10	44
800	SB331401	1000	800	M10	55
900	SB341401	1100	900	M12	70
1000	SB351401	1200	1000	M12	82

C TYPE SILENCER (PODDED)

Bore Dia. mm (A)	Product Number	B	C	J	Weight (kg)
315	SC211401	415	315	M8	13
355	SC221401	455	355	M8	15
400	SC241401	500	400	M10	18
450	SC251401	600	450	M10	24
500	SC271401	650	500	M10	29
560	SC281401	710	560	M10	35
630	SC301401	780	630	M10	42
710	SC311401	860	710	M10	53
800	SC331401	1000	800	M10	66
900	SC341401	1100	900	M12	84
1000	SC351401	1200	1000	M12	100

Bore Dia. mm (A)	dBA Reduction	
	B Type	C Type
315	-7 to -10	-12 to -15
355	-7 to -10	-12 to -15
400	-7 to -10	-12 to -15
450	-7 to -10	-12 to -15
500	-7 to -10	-12 to -15
560	-7 to -10	-12 to -15
630	-7 to -10	-12 to -15
710	-7 to -10	-12 to -15
800	-7 to -10	-12 to -15
900	-7 to -10	-12 to -15
1000	-7 to -10	-12 to -15
560	-7 to -10	-12 to -15
630	-7 to -10	-12 to -15
710	-7 to -10	-12 to -15
800	-7 to -10	-12 to -15
900	-7 to -10	-12 to -15
1000	-7 to -10	-12 to -15

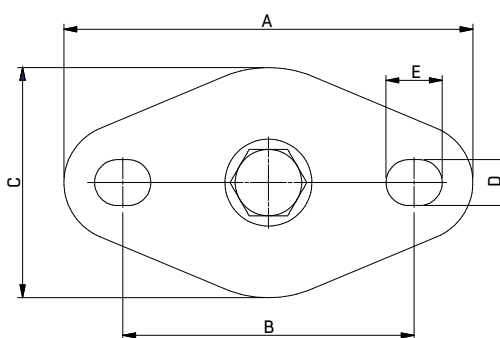
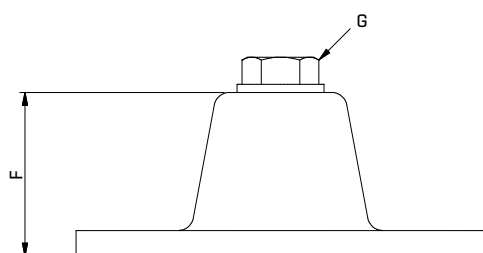
The above silencers give the following approximate dBA reductions: B Type 1 diameter length - 7 to -10 dBA. C Type 1 diameter length - 12 to -15 dBA. For full acoustic details and resistance to airflow for type C see publications SP01.

Note: Silencers are not stocked items so are available on a slightly longer leadtime (3-4 Weeks)

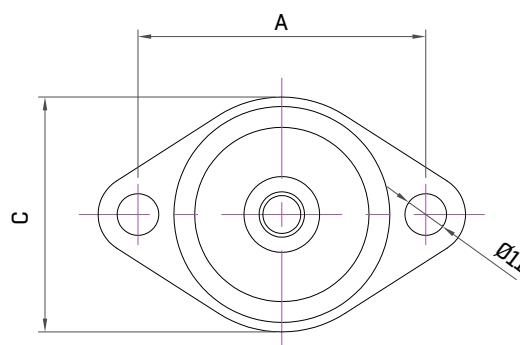
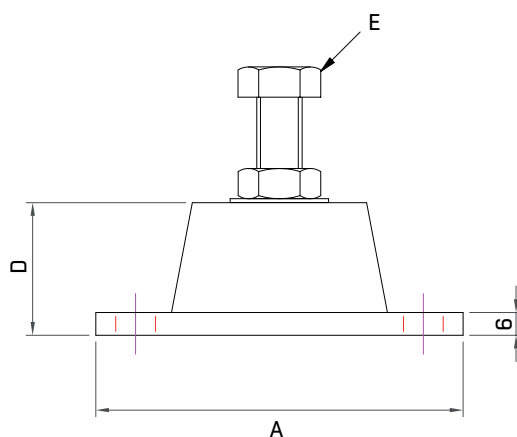
All dimensions in mm.

CASED ACCESSORIES

RUBBER IN SHEAR ANTI-VIBRATION MOUNTS



Product Code	Type	Load at 5-6mm deflection (Kg)	A	B	C	D	E	F	G
505000	AV Rubber MP2-28 Yellow ISL	28	80	57	45	9	11	32	M8
505001	AV Rubber MP2-50 Blue ISL	50	80	57	45	9	11	32	M8
505002	AV Rubber MP2-80 Red ISL	80	80	57	45	9	11	32	M8



Product Code	Type	Load at 5-6 mm deflection (Kg)	A	B	C	D	E
505003	AV Rubber MP1-45 White ISL	45	76	97	62	35	M12
505004	AV Rubber MP1-65 Red ISL	65	76	97	62	35	M12
505005	AV Rubber MP1-75 Yellow ISL	75	76	97	62	35	M12
505006	AV Rubber MP1-55 Blue ISL	55	76	97	62	35	M12

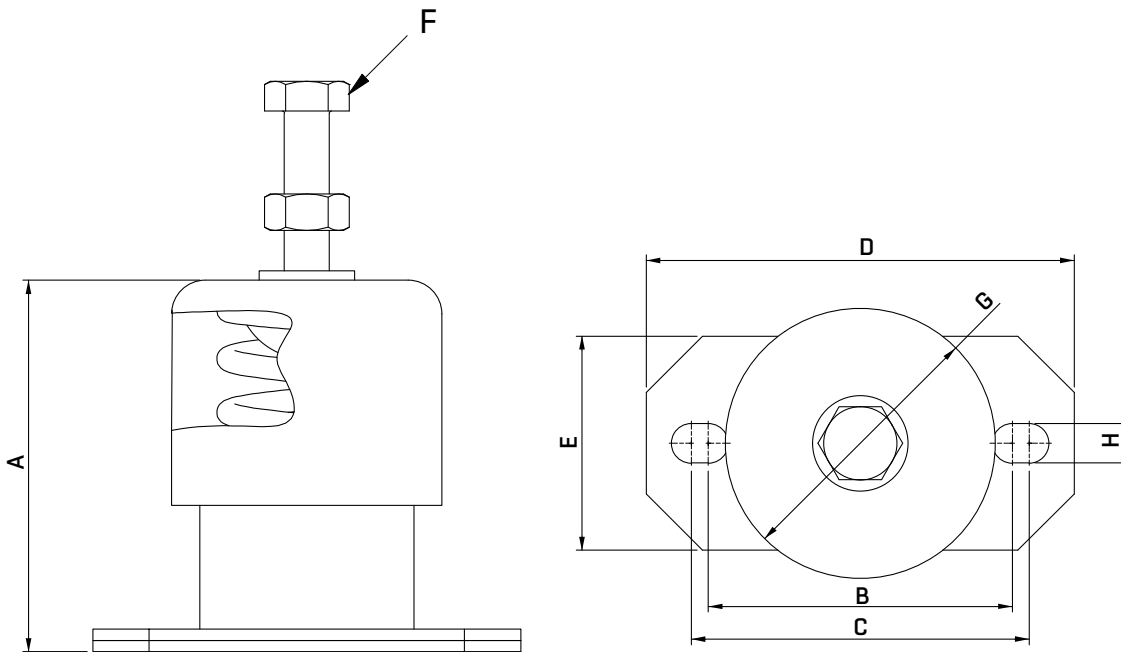
All dimensions in mm.

Note: Rubber mounts may also be used for fans rated 200°C for 2hours.



CASED ACCESSORIES

ENCLOSED SPRING ANTI-VIBRATION MOUNTS



Product Code	Type	Load at 20mm deflection (Kg)	A	B	C	D	E	F	G	H
505009	MMS1-L-10 Claret ISL	10	66	54	60	76	38	M8	48	7
505010	MMS1-L-15 Yellow ISL	15	66	54	60	76	38	M8	48	7
505011	MMS1-L-20 Grey ISL	20	66	54	60	76	38	M8	48	7
505012	MMS1-L-40 Green ISL	40	66	54	60	76	38	M8	48	7
505013	MMS1-L-70 Red ISL	70	66	54	60	76	38	M8	48	7
505014	MMS1-L-100 Blue ISL	100	66	54	60	76	38	M8	48	7

Product Code	Type	Load at 25mm deflection (Kg)	A	B	C	D	E	F	G	H
505015	MMS1-30 Yellow ISL	30	96	85	90	110	70	M10	78	9
505016	MMS1-60 Green ISL	60	96	85	90	110	70	M10	78	9
505017	MMS1-100 Blue ISL	100	96	85	90	110	70	M10	78	9
505018	MMS1-160 White ISL	160	96	85	90	110	70	M10	78	9
505019	MMS1-250 Red ISL	250	96	85	90	110	70	M10	78	9

Note: Spring mounts are recommended for use with HT (High Temperature) smoke extract fans, rated 200°C for 2hours, 300°C for 2hours or 400°C for 2hours.

Anti-Vibration Selection Notes

When selecting anti-vibration mounts, please add all the weights for associated accessories to the fan weight then divide the total weight by 4 to obtain the per mount requirement. Select an anti-vibration mount with a weight rating that is at least the same, but ideally greater than the per mount requirement weight. If in doubt, please seek assistance from our sales team.

USEFUL INFORMATION

INSTALLATION ADVICE - HORIZONTAL MOUNTING

Fig. 1H. A fan at entry should be connected to the ducting with a flexible connector and vibration isolators should be used.

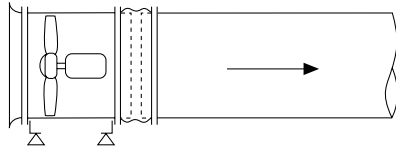


Fig. 2H. A fan within ducting should be connected by flexible connectors at each end mounted on vibration isolators.

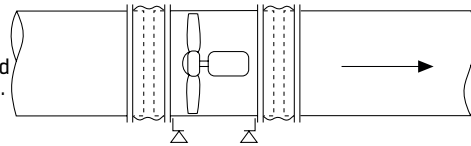


Fig. 3H. For a two-stage fan it is usually necessary to fit vibration isolators at the middle joint as well as at each end. Here 4 sets are shown as smaller fans only 3 sets may be necessary.

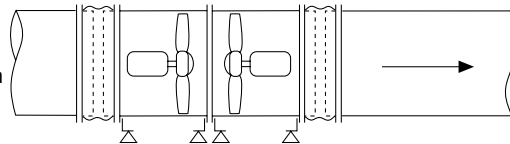


Fig. 4H. The arrangement of flexible connectors and vibration isolators for a single stage fan with one cylindrical silencer. Note: 'B' type silencers must be bolted directly to the fans.

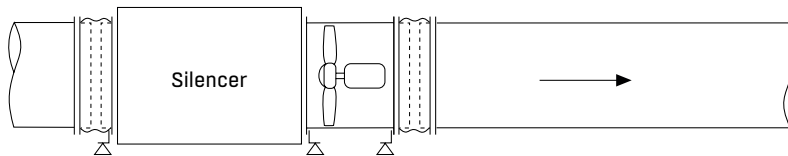


Fig. 5H. The vibration isolator arrangements for a single stage fan with a silencer each end.

Silencer (B Type only)

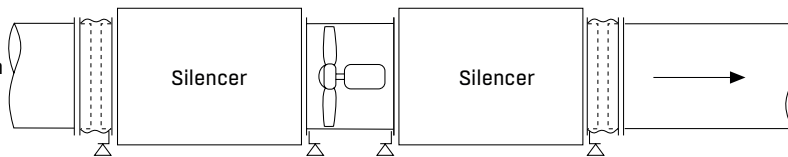


Fig. 6H. The vibration isolator arrangement for a two stage fan with a silencer at each end.

Silencer (B Type only)

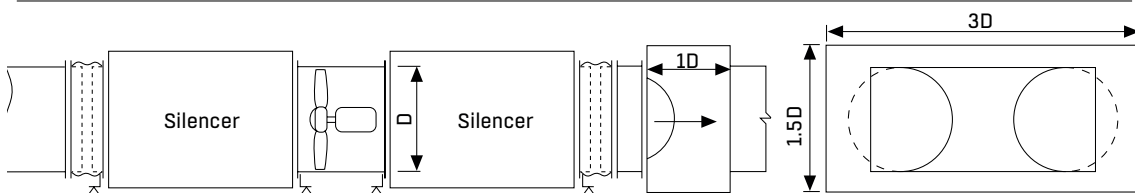
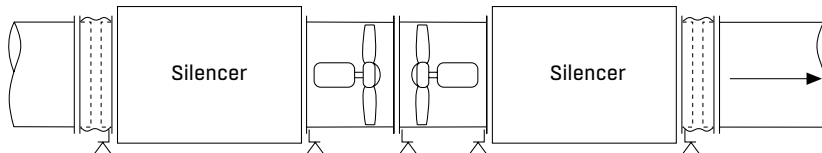
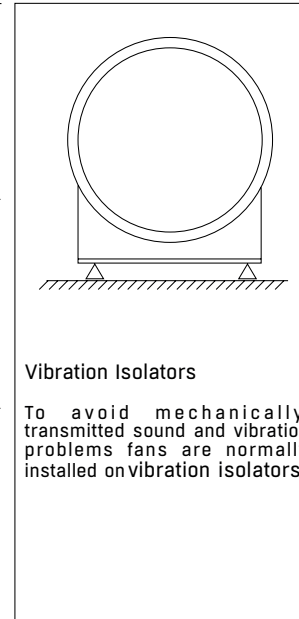


Fig. 7H. Fans in parallel should blow into a common plenum chamber. The minimum dimensions of the plenum chamber in relation to the fan dia should be as above.

Silencer (B Type only)



Vibration Isolators

To avoid mechanically transmitted sound and vibration problems fans are normally installed on vibration isolators.



USEFUL INFORMATION

INSTALLATION ADVICE - VERTICAL MOUNTING

Make sure the support does not restrict access for removal.

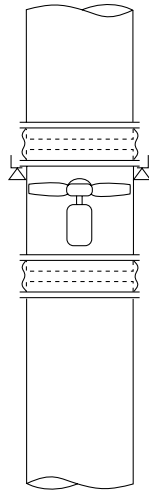
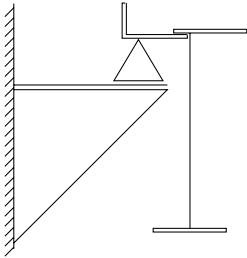


Fig. 1V. Support a single stage fan by mounting feet or plates fixed to the upper flange.

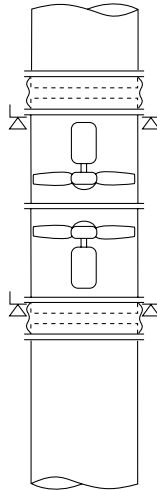


Fig. 2V. For a two stage fan support at the upper and lower flanges.

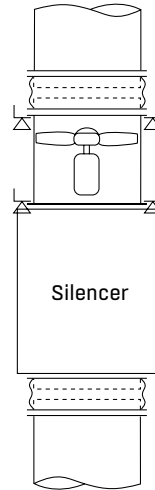


Fig. 3V. For a single stage fan with silencer below, support at the top of the fan and top of the silencer.

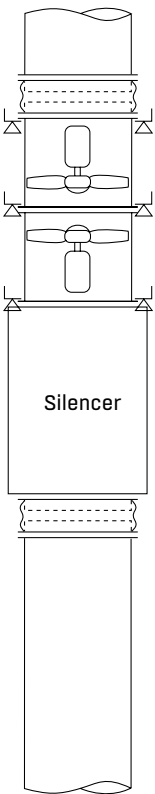


Fig. 4V. The support arrangement for a two stage fan with a silencer below.

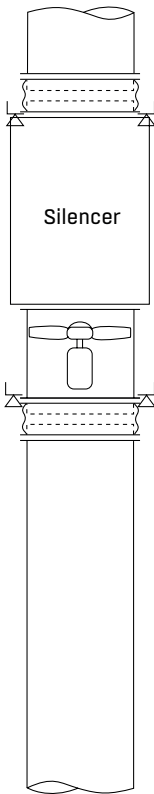


Fig. 5V. The supports for a single stage fan with a silencer above.

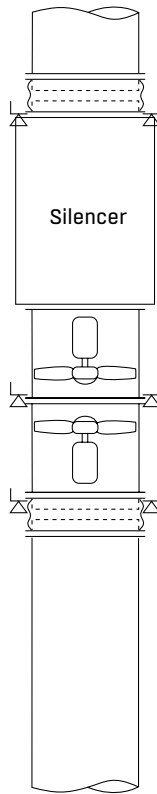


Fig. 6V. Supports for a two stage fan with a silencer above.

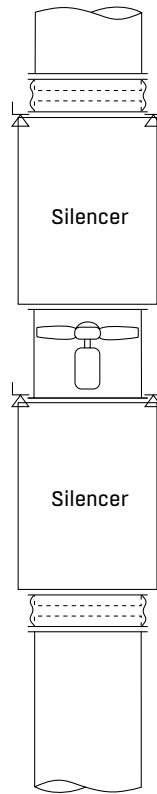


Fig. 7V. Supports for a single stage fan with a silencer above and below.

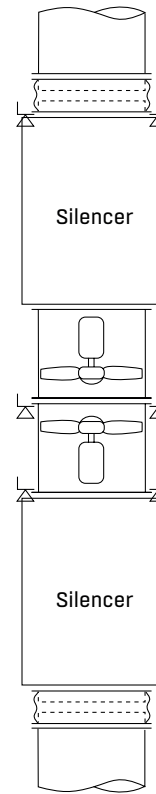
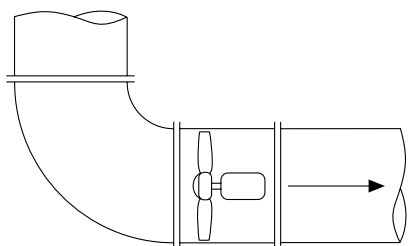


Fig. 8V. Supports for a two stage fan with a silencer above and below.

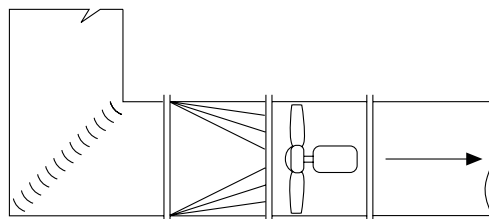
Silencer (B Type only) Silencer (B Type only)

USEFUL INFORMATION

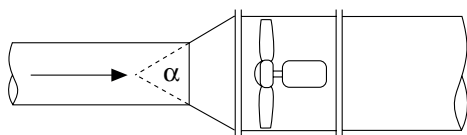
INSTALLATION ADVICE - BENDS, EXPANDERS AND CONTRACTORS (TRANSFORMATION PIECES)



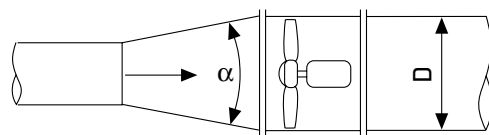
WRONG
Fan performance suffers and noise is increased if a 90° circular section bend of small radius is used. (starves half the impeller)



RECOMMENDED
Use a square bend with short chord turning vanes. This is also preferable when air flow is in the opposite direction.

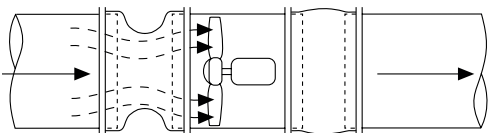


WRONG
Do not use an expander of more than 15° immediately before or after the fan. (This starves the blades)

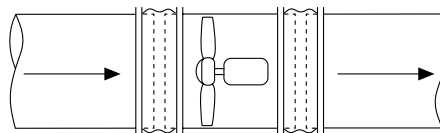


RECOMMENDED
Ideally an expander immediately before a fan should not be more than 15°.

Flexible connections



WRONG
Flexible connectors should not be slack, as this will cause "necking", which will starve the impeller blade tips of air, reduce fan performance and increase noise. (starves the blades)



RECOMMENDED
Flexible connectors should be just long enough for mechanical isolation and should be taut.



USEFUL INFORMATION

INSTALLATION ADVICE - INLET AND OUTLETS

Make sure the support does not restrict access for removal.

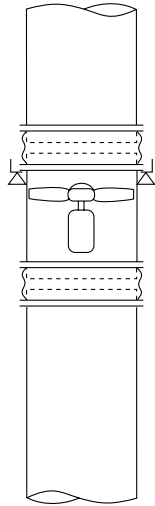
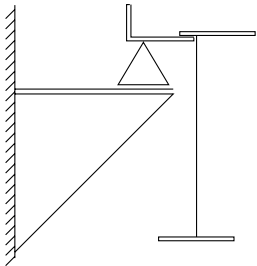


Fig. 1V. Support a single stage fan by mounting feet or plates fixed to the upper flange.

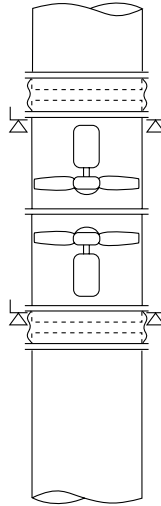


Fig. 2V. For a two stage fan support at the upper and lower flanges.

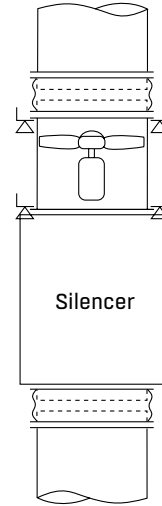


Fig. 3V. For a single stage fan with silencer below, support at the top of the fan and top of the silencer.

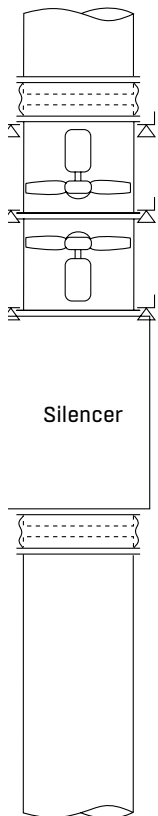


Fig. 4V. The support arrangement for a two stage fan with a silencer below.

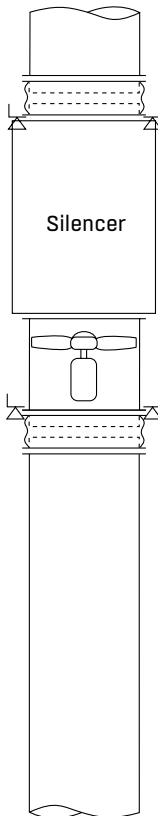


Fig. 5V. The supports for a single stage fan with a silencer above.

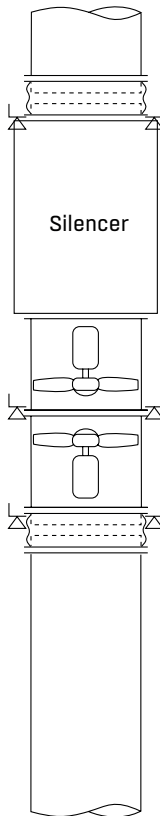


Fig. 6V. Supports for a two stage fan with a silencer above.

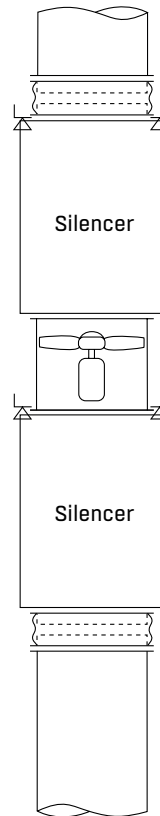


Fig. 7V. Supports for a single stage fan with a silencer above and below.

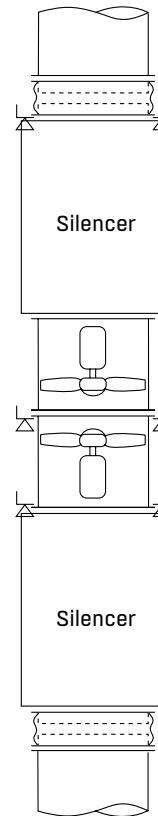


Fig. 8V. Supports for a two stage fan with a silencer above and below.

USEFUL INFORMATION

AIR CHANGES PER HOUR

Although no hard and fast rules can be laid down for rates of air changes, the recommendations in the table below may be taken as a general guide.

Situation	Air Changes per hour
Assembly Halls	4 - 6
Bakeries	15 - 30
Banks	2 - 4
Bathrooms	6 - 8
Bars	6 - 8
Boiler Houses	15 - 30
Cafés	8 - 12
Canteens	8 - 12
Churches	1 - 10†
Cinemas*	6 - 10
Classrooms	2 - 4
Cleaners	15 - 30
Dance Halls	8 - 12
Domestic Kitchens	10 - 15
Dyers	15 - 30
Engine Rooms	15 - 30
Foundries	30 - 60
Furnace Rooms	30 - 60
Garages	6 - 10
Hospital Wards	6 - 8
Hospital Treatment Rooms	6 - 8
Kitchens for Restaurants	13 - 30
Laboratories	4 - 6
Laundries	10 - 15
Libraries	2 - 4
Offices	4 - 6
Paint Shops	30 - 60
Residences	1 - 2
Restaurants*	10 - 15
Storage Areas	1 - 2
Swimming Baths	15 - 30
Theatres*	6 - 10
Workshops	6 - 10

in	x	25.4	=	mm
ft	x	0.305	=	m
ft ³	x	0.028	=	m ³
lb	x	0.454	=	kg
BTU	x	1054.8	=	J
HP	x	0.746	=	kW
k cal/h	x	0.00116	=	kW
Ton Refrigeration	x	3.52	=	kW
BTU/ft ² h°F	x	5.678	=	J/m ² s°C
		or	=	W/m ² °C
ft ³ /min	x	0.000472	=	m ³ /s
in. wg	x	249.1	=	Pa

* General requirements are 28m³/h per person minimum in public places; more if smoking is allowed.

† Dependent on height of building and number of persons.

FUME REMOVAL

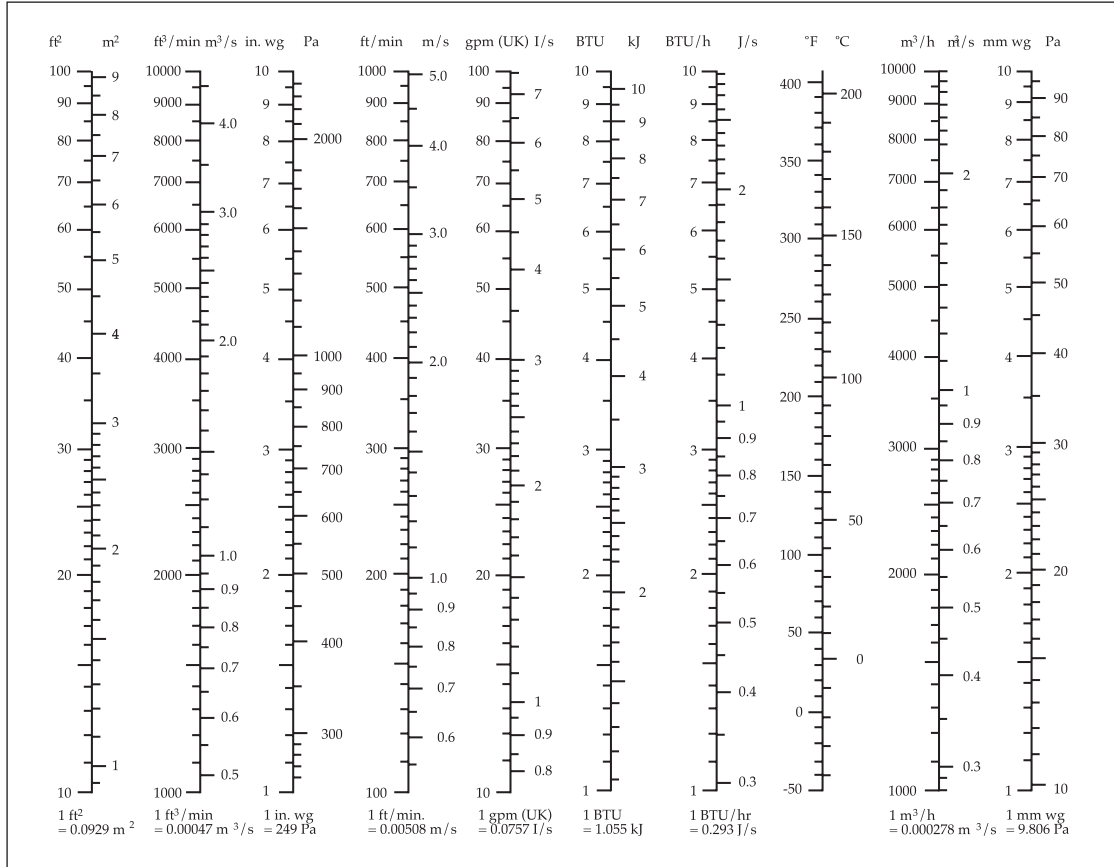
Recommended minimum velocities across face of extract hood:

Sandblast Booths	2.5m/s openings
Sandblast Booths	0.4m/s downwards through booth
Electro-Plating	0.75-1.0m/s openings
Electric Welding	0.5-1.0m/s
Paint Spray Booths	0.75m/s in breathing zone
Kitchen Equipment	0.5-0.75m/s



USEFUL INFORMATION

CONVERSION



MOTOR ENCLOSURES – DEGREES OF PROTECTION

	1st Numeral	2nd Numeral
Designation	Protection against contact and ingress of foreign bodies.	Protection against water.
IP44	Protection against contact with live or moving parts of tools, wires or other objects of thickness greater than 1 mm. Protection against the ingress of solid foreign bodies with a diameter greater than 1mm.	Water splashed against the motor from any direction shall have no harmful effect.
IP55	Complete protection against contact with live or moving parts inside the enclosure. Protection against harmful deposits of dust. The ingress of dust is not totally prevented, but dust cannot enter in an amount sufficient to interfere with satisfactory operation of the machine.	Water projected by nozzle against the motor from any direction shall have no harmful effect. IP55 as despatched. Drain holes are incorporated such that by removing the appropriate plugs all-weather protection can be provided and condensation build-up prevented.
IP56		Motor protected against conditions on a ship's deck.
IP66	Protected from total dust ingress	Protected from high pressure water jets from any direction.