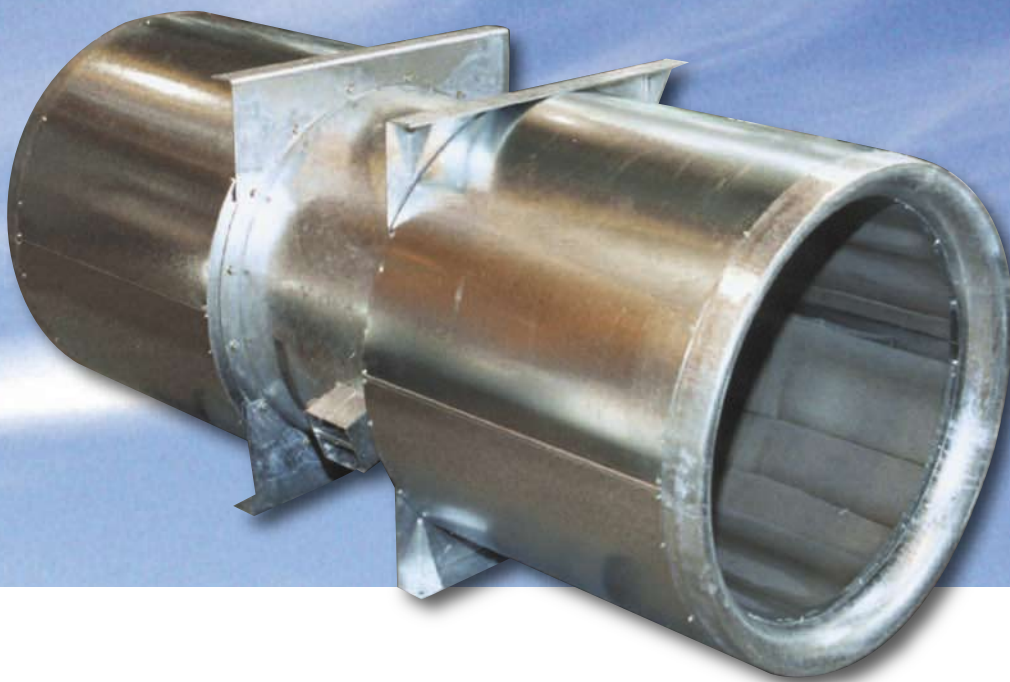


***Precise Air Management***  
*Jetfoil - Tunnel Fans*



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**FläktWoods**

# Jet Fans and Accessories

Fläkt Woods is the industry leader in air movement technology, providing innovative solutions worldwide. Our extensive knowledge of design and applications is based on over 100 years of experience in tunnels, buildings, industry and original equipment manufacturers. Fläkt Woods' global coverage reaches over 100 countries and is supported by an extensive distribution network.

Our expertise in tunnel ventilation applications covers road & rail tunnels, metros, tunnel construction and wind tunnels. Fläkt Woods' products have been successfully used in underground projects throughout the world and our Jet Fan product range is unrivalled in its technology, innovation and efficiency.

## Ventilation

Ventilation is required for safety and to maintain acceptable temperatures and comfort.

Pollution emitted by trains and road vehicles must be removed to provide an acceptable and safe environment. The heat from a train may need to be removed by forced ventilation in order to ensure that the temperature is acceptable to both people and equipment. In the case of a fire, smoke must be removed in order to enable safe escape and to assist access to fight the fire. The normal ventilation principles are to dilute pollution and to increase visibility by removal of particles.

In an emergency the smoke is controlled by creating sufficient air velocity to drive it away from the fire. Depending on the control strategy, the smoke can then be extracted. In rail and metro systems it is common to create a safe haven by pressurisation of the non-incident tunnel.



# The Jetfoil Fan Range

## General Information

- $\varnothing$ 560 -  $\varnothing$ 1600 mm
- Thrust up to 3500N
- $\varnothing$ 800 mm up to 3000 rpm,  $\varnothing$ 1250 mm up to 1800 rpm and  $\varnothing$ 1600 mm up to 1200 rpm
- Fully adjustable die cast aluminium impellers in uni-directional and truly reversible configurations; X-ray inspection
- Mild steel casing - hot dipped galvanised after manufacture, painted or all stainless steel construction
- Silencers fitted where required
- Motor protection IP55
- High thrust performance
- Emergency ventilation options up to 400°C/2 hours
- Truly reversible fans provide 100% thrust reversibility. Uni-directional fans give approximately 40% thrust for emergency use only, in the reverse mode with increased noise level.

## Applications

- Longitudinal ventilation of road tunnels
- Emergency ventilation - smoke control
- Mine ventilation
- Hangar/large area ventilation





## Fan Codes

112 JMTS/40/4/9/32

### Fan diameter

56 = 560 mm    100 = 1000 mm  
63 = 630 mm    112 = 1120 mm  
71 = 710 mm    125 = 1250 mm  
80 = 800 mm    140 = 1400 mm  
90 = 900 mm    160 = 1600 mm

### Fan type

JMTS = Truly Symmetrical Jet Fan  
JMG = Uni-Directional Jet Fan

### Hub diameter

20 = 200 mm    40 = 400 mm  
25 = 250 mm    50 = 500 mm  
31 = 315 mm    63 = 630 mm

### Motor pole

2 = 2 pole  
4 = 4 pole  
6 = 6 pole  
8 = 8 pole

### No. of blades

5 = 5 blades  
6 = 6 blades  
9 = 9 blades  
12 = 12 blades

### Pitch angle in degrees

## Fan Selector

Fan Selector is the selection software for all the Fläkt Woods Fan Group products: Axial Flow Fans (among which Jet Fans for Tunnels), Centrifugal fans, Boxed Fans, Roof Extract units, Plate mounted fans.

The Fan Selector allows you to choose fans which fit your required application.

### How to Register, easy as 1, 2, 3!

All you need to do to register your details on-line is to follow the simple instructions shown below.

- 1) Click on the site link to start the process: <http://fanselector.flaktwoods.com/signup/>
- 2) All you need to do is to fill in the fields that have red text labels, but if you wish to complete more of the form, this would be helpful.
- 3) Once you have entered your details, just click the "Register" button at the bottom of the registration page to submit your request.

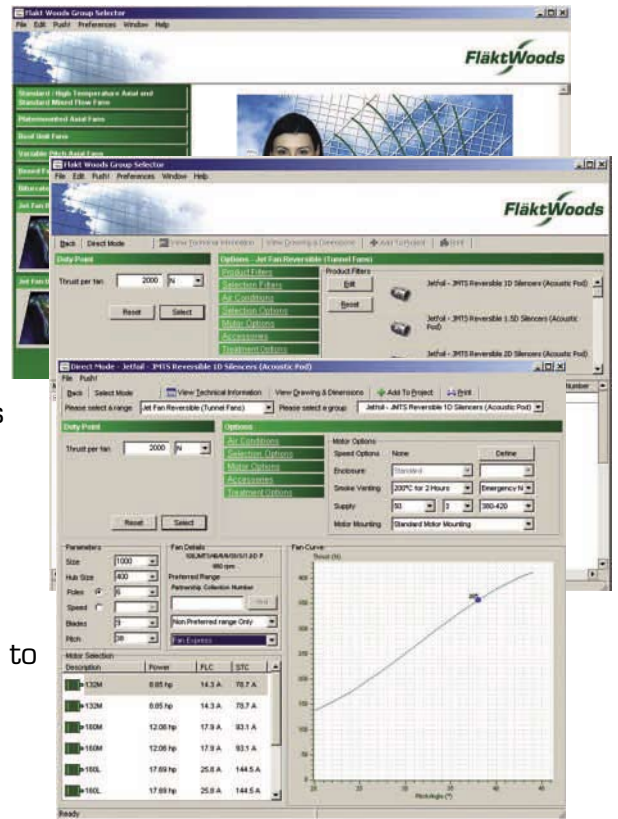
# Fan Selector

## User Account Set-up

Once a user account has been created, our automatic registration system will send you an e-mail confirming your user name and password. Note: your username will be your e-mail address, so if you have a personal address this would be better than a general one (as this will allow you to personalise our software). The account set-up process normally completed between 24-48 hours after your initial password confirmation.

## Desktop CD

Should you prefer to use the Desktop version of the software (which is locally installed onto your computer's hard drive), then this is available on request. All you need to do is to advise your full postal address and we would be happy to mail a CD to you.



**Link to the On-Line Fan Selector:**  
<http://fanselector.flaktwoods.com>

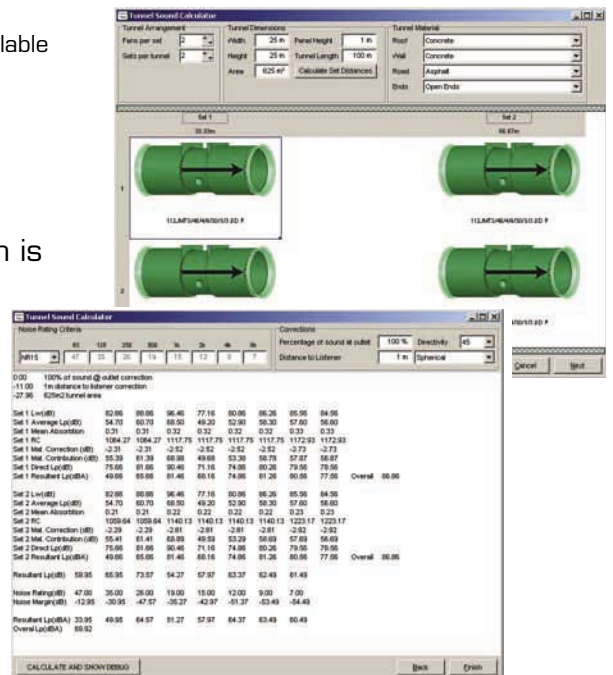
1. After logging in, the first screen displayed allows the selection of axial fans, identify and click 'select' to continue.
2. The next screen displays the various types of axial fans, therefore it is necessary to filter the selection by clicking 'product filter' and 'edit'.
3. The desired thrust can be input to identify suitable fans. Other filters can be adjusted so the desired fan is identified.
4. Each fan can be highlighted and technical information made available

## Sound Level Calculation

The Fan Selector also has the capability of calculating the installed noise levels of the jet fans. When the desired fan is selected and added to a project it is possible to access the tunnel design feature.

By inputting the tunnel arrangement, dimensions, materials and air direction and selecting the noise rating criteria on the next screen, a list of the sound levels is displayed.

Please note; this function is for guidance only and does not give any commitment on the exact acoustic parameters



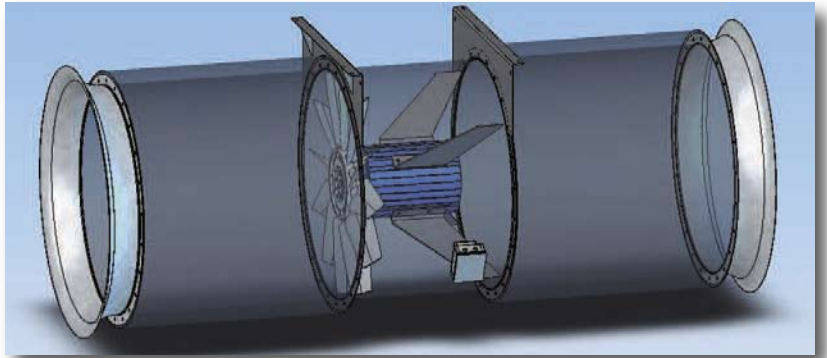
# Jetfoil Standard Range

### Range includes:

- 10 diameters - 560 mm to 1600 mm
- Swept back arm design for improved performance and noise reduction
- Zinc galvanised or stainless steel casing
- IP55 Motor Protection
- Low installed noise levels
- High Energy Efficiency

### Options:

- Option of a silencer with or without acoustic pod
- Mounting frame to ensure secure installation
- Epoxy paint



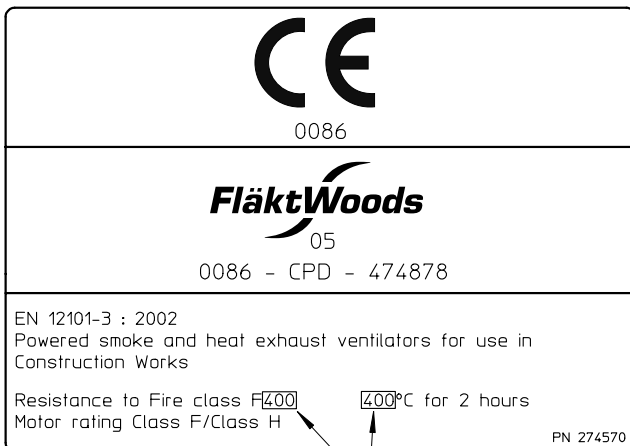
# High Temperature Range

### Range includes:

- 10 diameters - 560 to 1600 mm
- 300/2 or 400/2 operation
- 50 Hz or 60 Hz supply
- HT Approved and certified motors
- Additional impeller locking feature

### Options:

- Epoxy paint on top of galvanised finish
- Bolt-on Silencers
- Accessories

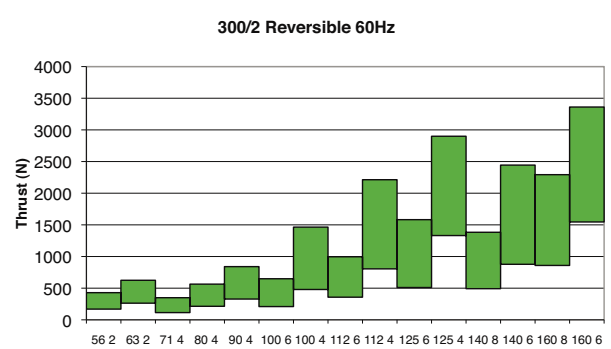
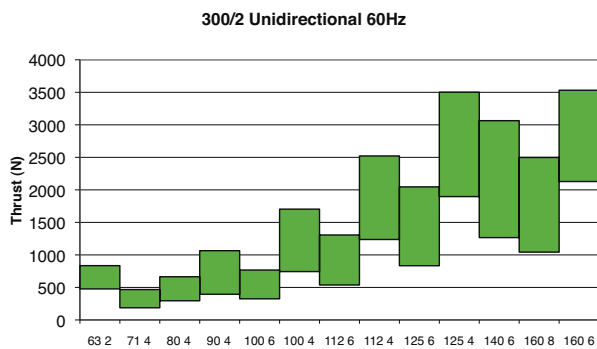
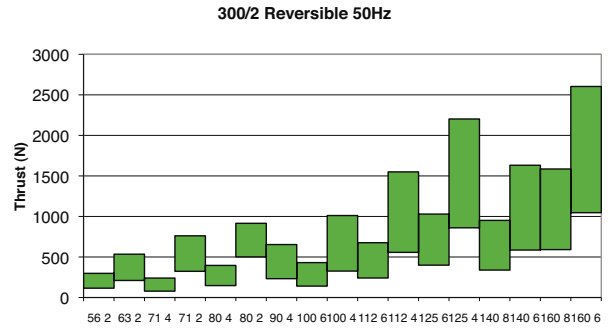
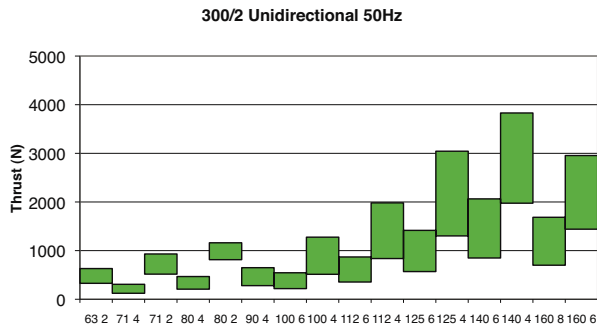


Fan label in accordance with CE marking directive EN12101-3

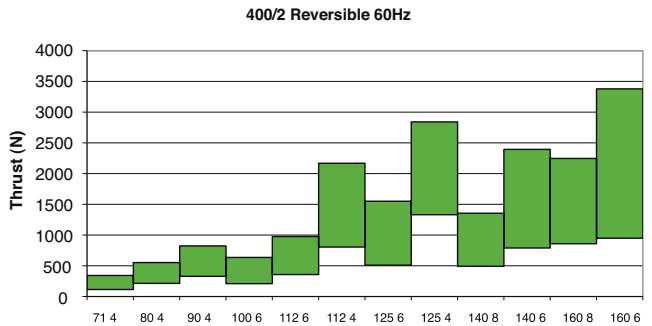
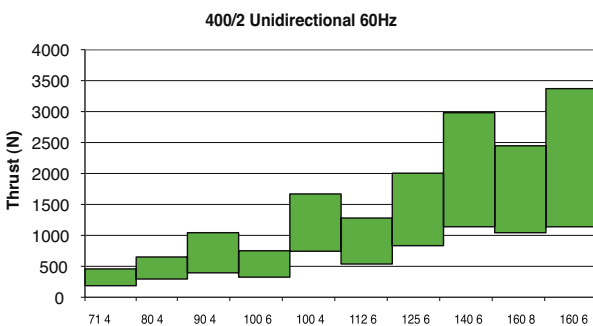
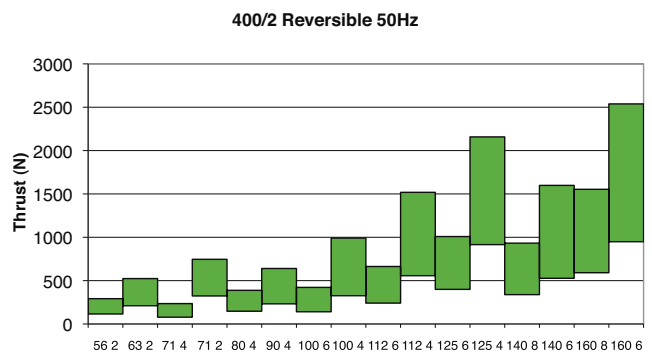
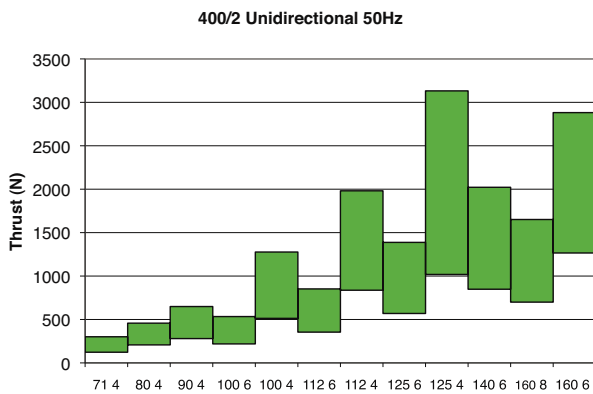
200 for 200°C for 2 hours  
 300 for 300°C for 1 hour  
 400 for 400°C for 2 hours

# Performance Range – with 1D Silencers

## 300/2 - Range



## 400/2 - Range



Higher thrust levels available, please enquire for further information

## 50Hz Unidirectional Range 300/2H

Fan type	Motor Pole Speed	Blade angle	Thrust N	Outlet Velocity m/s	Absorbed Power kW	Motor Power kW	Nominal Current A	Sound power LwA	Sound Pressure in free field, 45°, 10m dB(A)
63JMG	2	20	324	29.4	9.2	11.04	20.2	104	73
	2	24	419	33.5	12.6	12.65	23.3	106	75
	2	29	529	37.6	17.6	18	32.6	97	66
	2	32	592	39.8	21.1	22.2	40.4	98	67
	2	36	672	42.4	26.1	27	49.8	99	68
71JMG	2	22	575	34.8	17.8	18	32.6	100	69
	2	25	672	37.6	21.6	22.2	40.4	101	70
	2	28	772	40.3	26.5	27	49.8	101	70
	2	34	943	44.6	38.9	40	74.6	103	72
80JMG	4	27	289	21.9	4.62	4.8	9.2	87	56
	4	32	355	24.3	6.4	6.6	12.6	89	58
	4	36	408	26	8.2	8.63	16.3	91	60
	4	40	457	27.5	9.8	11.04	21	93	62
100JMG	4	26	661	26.5	12.7	13.2	25.4	97	66
	4	31	819	29.5	17.7	18	35	99	68
	4	38	1038	33.2	26.4	27	49.8	101	70
	4	40	1088	34	28.7	33	65	102	71
112JMG	4	21	878	27.2	16.7	17.3	33.1	92	61
	4	27	1176	31.5	26.8	27	49.8	95	64
	4	31	1378	34.1	34.8	36	67	96	65
	4	34	1532	36	41.6	42.55	77.7	98	67
	4	37	1687	37.8	49.0	49.5	94.8	99	68
	4	40	1826	39.3	56.9	63.3	110	100	69
125JMG	4	20	1289	29.6	33.9	34.5	63.8	99	68
	4	24	1665	33.6	46.7	49.5	94.8	100	69
	4	28	2021	37	61.2	63.3	110	101	70
	4	33	2438	40.7	82.4	86.3	154	103	72
140JMG	6	26	1141	24.9	21.8	22.2	42.7	95	64
	6	33	1500	28.5	34.5	36	66.2	98	67
	6	37	1710	30.4	42.8	44.4	79.9	100	69
	6	40	1868	31.8	49.8	51.8	92.3	101	70
160JMG	6	20	1253	22.8	24.7	26.4	49.7	98	67
	6	25	1606	25.8	34.6	36	66.2	99	68
	6	31	2087	29.4	51.6	51.8	92.3	101	70



# 50Hz Truly Reversible Range 300/2H

Fan type	Motor Pole Speed	Blade angle	Thrust N	Outlet Velocity m/s	Absorbed Power kW	Motor Power kW	Nominal Current A	Sound power LwA	Sound Pressure in forward direction in free field, 45°, 10m dB(A)
56JMSTS	2	22	133	21.2	3.3	3.6	6.93	94	63
	2	30	211	26.7	6.4	6.6	12.3	95	64
	2	35	260	29.7	8.8	9	16.4	97	66
	2	40	304	32.1	12.2	12.65	23.3	101	70
63JMSTS	2	20	177	21.8	4.4	4.6	9.3	93	62
	2	24	229	24.8	6.5	6.6	12.3	95	64
	2	28	290	27.8	8.8	9	16.4	96	65
	2	32	354	30.8	11.9	12.65	23.3	98	67
	2	37	425	33.7	17.2	18	32.6	99	68
	2	40	466	35.3	20.7	22.2	40.4	100	69
71JMSTS	2	20	320	25.9	8.1	8.25	15.5	100	69
	2	24	415	29.5	12.1	12.65	23.3	100	69
	2	28	516	32.9	17.4	18	32.6	101	70
	2	33	660	37.3	26.3	27	49.8	103	72
	2	35	698	38.3	30.9	33	58.8	104	73
80JMSTS	4	30	259	20.7	4.6	4.8	9.2	90	59
	4	35	324	23.2	6.6	6.6	12.6	92	61
	4	40	374	24.9	8.9	9	17	94	63
	4	44	395	25.6	10.8	11.04	21	95	64
90JMSTS	4	35	534	26.4	12.4	13.2	25.4	90	59
	4	40	617	28.4	17.0	17.3	33.1	92	61
	4	43	648	29.1	19.6	20.35	39.5	93	62
100JMSTS	4	29	566	24.5	12.1	13.2	25.4	100	69
	4	34	704	27.3	17.1	17.3	33.1	101	70
	4	39	896	30.8	26.1	27	49.8	104	73
	4	44	1011	32.8	31.1	33	65	106	75
112JMSTS	4	30	1023	29.4	25.4	27	49.8	97	66
	4	33	1180	31.6	32.0	33	65	98	67
	4	37	1356	33.9	42.6	44.4	79.3	100	69
	4	41	1495	35.6	53.7	54	95.1	102	71
	4	44	1551	36.2	61.2	63.3	110	103	72
125JMSTS	4	25	1074	27	26.4	27	49.8	101	70
	4	28	1300	29.7	33.9	34.5	63.8	102	71
	4	31	1546	32.4	43.9	44.4	79.3	104	73
	4	33	1715	34.1	52.1	54	95.1	104	73
	4	36	1960	36.5	65.7	66	115	105	74
	4	40	2251	39.1	83.6	86.3	154	107	76
140JMSTS	6	32	1186	25.3	25.7	26.4	49.7	99	68
	6	36	1393	27.5	34.4	36	66.2	100	69
	6	40	1555	29	44.1	44.4	79.9	102	71
	6	43	1631	29.7	50.9	51.8	92.3	103	72
160JMSTS	6	23	1234	22.6	25.3	26.4	49.7	100	69
	6	27	1571	25.5	34.7	36	66.2	101	70
	6	30	1856	27.7	43.3	44.4	79.9	101	70
	6	32	2048	29.1	50.0	51.8	92.3	102	71

## 60Hz Unidirectional Range 300/2H

Fan type	Motor Pole Speed	Blade angle	Thrust N	Outlet Velocity m/s	Absorbed Power kW	Motor Power kW	Nominal Current A	Sound power LwA	Sound Pressure in free field, 45°, 10m dB(A)
71JMG	4	23	222	21.6	4.1	4.32	7.61	98	67
	4	30	307	25.4	6.6	6.93	12.9	99	68
	4	35	368	27.8	9.0	9.78	16.3	101	70
	4	40	427	30	11.5	12.1	20.2	105	74
80JMG	4	25	378	25	6.8	6.93	12.9	91	60
	4	30	472	28	9.6	9.78	16.3	93	62
	4	35	568	30.7	13.1	13.8	22.3	95	64
	4	40	640	32.6	16.7	19.6	32.8	97	66
90JMG	4	25	526	26.3	13.3	13.8	22.3	89	58
	4	29	644	29	18.1	19.6	32.8	91	60
	4	34	806	32.5	25.9	28.8	46.9	93	62
100JMG	4	20	744	28.1	18.0	19.6	32.8	101	70
	4	25	1012	32.8	26.7	28.8	46.9	102	71
	4	31	1312	37.3	39.1	39.6	66.3	104	73
	4	37	1586	41	53.9	58.3	96.7	106	75
112JMG	4	20	1237	32.3	27.4	28.8	46.9	96	65
	4	25	1606	36.9	41.7	43.2	68.8	98	67
	4	31	2039	41.5	62.6	63.6	97	101	70
	4	34	2207	43.2	74.8	75.6	115	102	71
	4	39	2580	46.7	97.5	97.8	150	104	73
125JMG	6	26	974	25.7	19.4	20.4	32	95	64
	6	32	1256	29.2	28.9	30	50	98	67
	6	39	1565	32.6	42.2	43.2	68.1	100	69
125JMG	4	20	1897	35.9	59.6	63.6	97	103	72
	4	22	2176	38.4	70.6	72.5	110	104	73
	4	26	2714	42.9	94.4	97.8	150	105	74
140JMG	6	20	1266	26.2	24.3	25.2	41.6	97	66
	6	27	1796	31.2	42.7	43.2	68.1	100	69
	6	29	1950	32.5	48.8	50.4	79.3	101	70
	6	32	2184	34.4	58.9	61	94.9	102	71
160JMG	6	21	1967	28.6	47.5	50.4	79.3	103	72
	6	24	2284	30.8	58.0	61	94.9	104	73

# 60Hz Truly Reversible Range 300/2H

Fan type	Motor Pole Speed	Blade angle	Thrust N	Outlet Velocity m/s	Absorbed Power kW	Motor Power kW	Nominal Current A	Sound power LwA	Sound Pressure in forward direction in free field, 45°, 10m dB(A)
56JMSTS	2	21	182	24.8	5.5	5.52	9.66	98	67
	2	24	225	27.6	7.2	7.25	11.6	98	67
	2	27	269	30.2	9.2	9.35	15.4	98	67
	2	30	310	32.4	11.5	12.6	20	99	68
	2	33	354	34.6	13.9	14.4	23	100	69
	2	40	398	36.7	21.9	25.2	39.4	105	74
63JMSTS	2	25	362	31.1	12.5	12.6	20	99	68
	2	27	402	32.8	14.6	15	23.9	100	69
	2	31	495	36.4	19.8	20.4	32.2	102	71
	2	35	588	39.6	26.7	27.5	44.6	103	72
	2	40	656	41.9	36.9	39.6	61.8	104	73
71JMSTS	4	30	207	20.9	4.3	4.32	7.61	90	59
	4	33	239	22.4	5.5	5.76	9.75	91	60
	4	36	271	23.9	6.9	7.56	12.7	93	62
80JMSTS	4	25	285	21.7	5.6	5.76	9.75	93	62
	4	32	419	26.4	9.4	9.78	16.3	94	63
	4	37	508	29	13.1	13.8	22.3	97	66
	4	44	564	30.6	19.0	19.6	32.8	99	68
90JMSTS	4	27	489	25.3	11.8	12.1	20.2	91	60
	4	30	578	27.5	14.9	15	25.6	92	61
	4	33	667	29.6	18.9	19.60	32.8	94	63
	4	39	818	32.7	28.4	28.8	46.9	96	65
	4	44	885	34.1	36.0	39.6	66.3	98	67
100JMSTS	4	28	792	29	19.8	20.4	34.4	104	73
	4	32	993	32.5	28.0	28.8	46.9	105	74
	4	37	1242	36.3	41.1	41.4	65.6	107	76
	4	40	1332	37.6	49.3	50.4	77.9	108	77
	4	44	1501	39.9	55.2	58.3	96.7	110	79
112 JMSTS	6	28	1241	32.4	40.2	41.4	65.6	107	76
	6	31	1438	34.9	49.4	50.4	77.9	108	77
	6	35	1693	37.8	63.2	63.6	97	109	78
	6	37	1813	39.2	71.7	72.5	110	110	79
	6	40	1980	40.9	87.8	97.8	150	112	81
125JMSTS	6	28	936	25.2	19.4	20.4	32	97	66
	6	31	1083	27.1	24.2	25.2	41.6	98	67
	6	34	1227	28.9	29.6	30	50	100	69
	6	40	1466	31.6	41.8	43.2	68.1	102	71
	6	44	1544	32.4	50.0	50.4	79.3	103	72
140JMSTS	6	26	1293	26.5	29.2	30	50	101	70
	6	30	1627	29.7	40.2	43.2	68.1	102	71
	6	35	2034	33.2	58.8	61	94.9	104	73
160JMSTS	6	22	1736	26.8	41.5	43.2	68.1	104	73
	6	24	1957	28.5	49.4	50.4	79.3	105	74
	6	26	2209	30.3	57.8	61	94.9	105	74

# HT Certification

Emergency, High Temperature, Smoke Extract Fans fall within the scope of the EU Construction Products Directive.

The implementation of the Construction Products Directive and the publication of the product specific standard, EN 12101-3 have made it a mandatory requirement for smoke control fans sold into the European Union to carry a CE Mark from April 1st, 2005. The CE mark may only be affixed after successful completion of testing, auditing of factory production control and the issue of a certificate by accredited independent authorities.

This procedure is intended to prevent fan failures during an emergency smoke situation, where a fan failure can ultimately lead to the loss of life. Fläkt Woods fully endorse the concept that, in such a safety critical application, only fully verified and certified products should be specified. This made the decision to test and certify this core product range all the more easier.

The decision was made to embark on a major testing programme in conjunction with BSRIA, a leading authority in building research. Using the expertise of Fläkt Woods and BSRIA's new state of the art High Temperature test rig, the Jet Fan range was successfully tested in compliance with this demanding new legislation with minimum complications.

This investment resulted in Fläkt Woods being able to offer a British Standards Institution Certified, CE marked Jet Fan product for use at 400°C/2 hours from 560mm to 1600mm, together with a comprehensive range of approved accessories.

Fläkt Woods have enhanced their position as the foremost provider of specialist products for emergency high temperature smoke control by becoming the first fan manufacturer in the world to be able to apply CE marking to these safety critical products.



CE marking was then obtained from BSI for the JM HT fan range for additional 200°C and 300°C temperature categories, ensuring that Fläkt Woods has one of the most comprehensive range of products available in the Single European Market.

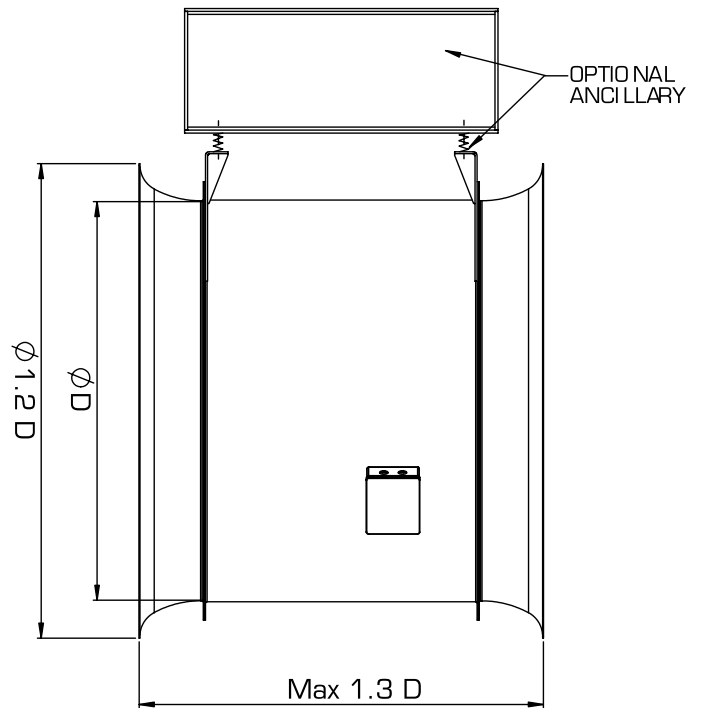
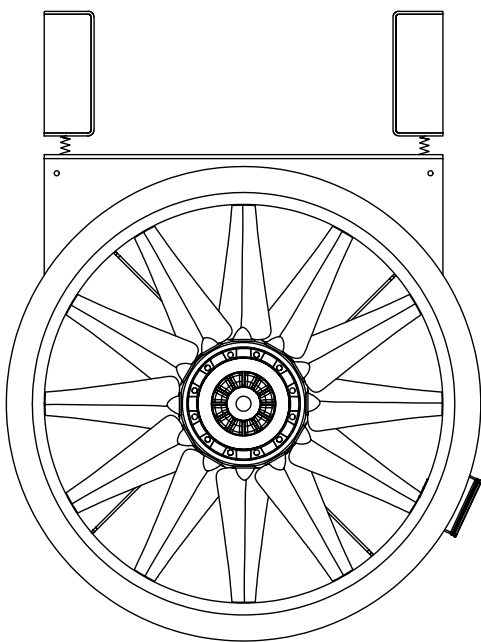
# Other Accessories

<b>Jet Fan Silencer</b>		<b>Acoustic pod</b>	
<b>Mounting feet</b>		<b>Guards</b>	
<b>Bellmouth Inlet</b>		<b>Spring Vibration Isolators</b>	

# Outline Drawings

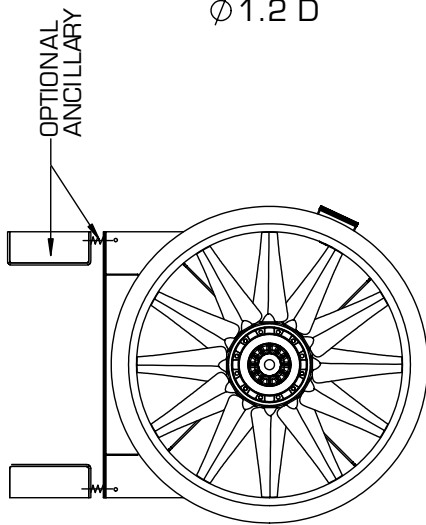
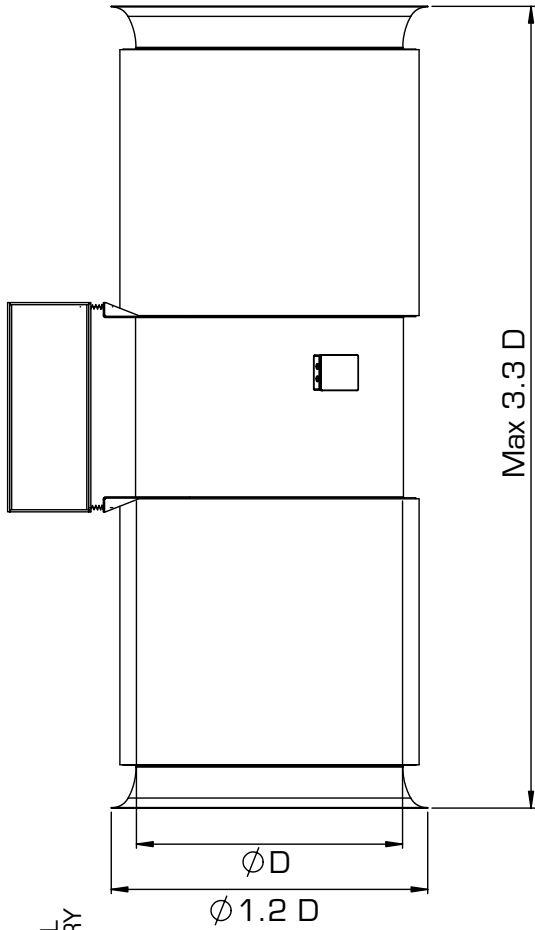
It is recommended that a Fläkt Woods frame accompany the jet fan to ensure a secure installation. Anti-vibration mounts are available for soft mounting installations.

## Base Fan - No Silencers

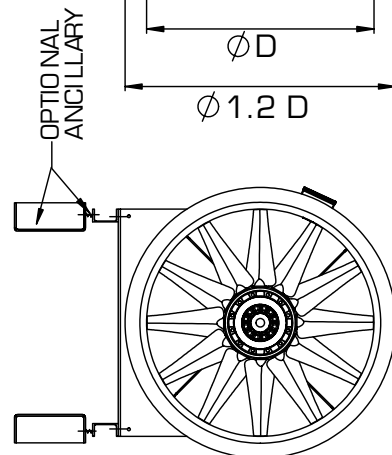
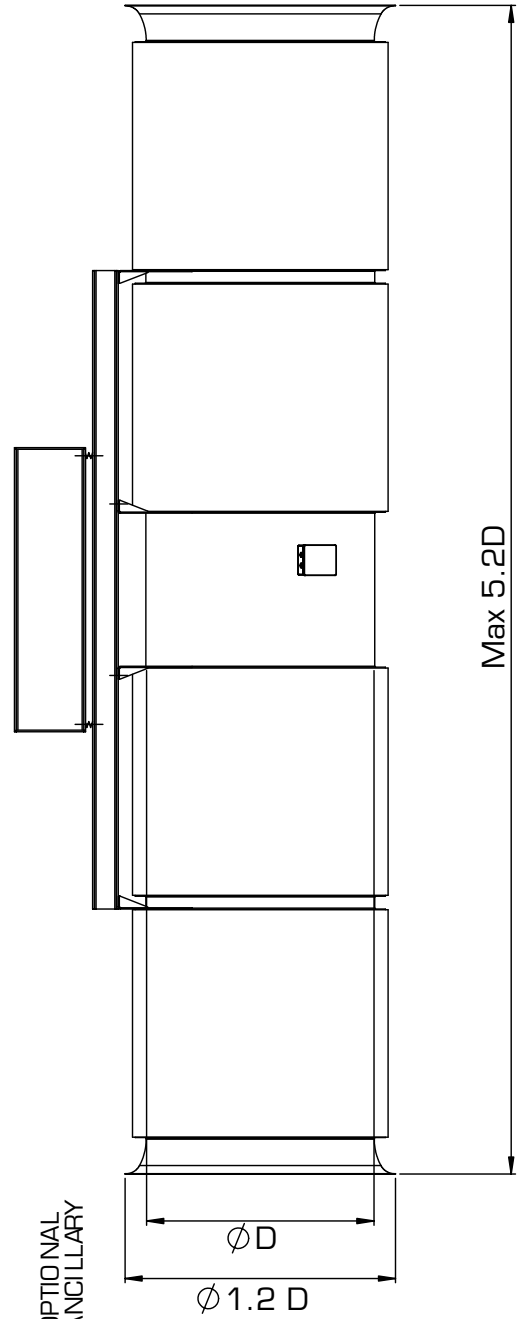


# Outline Drawings

### Jet Fan with 1D Silencers



### Jet Fan with 2D Silencers



# Sample Project Tunnel & Metro Reference List

<b>Road Country</b>	<b>Project</b>		
Algeria	Algerian Road Tunnel	UK	Limehouse Link
Australia	Mitcham Frankston Freeway	UK	Terminal 5 - Coach Station
Australia	M5 East Tunnel	UK	T5 - Taxi Bridge
Australia	Lane Cove	UK	Blackwall Tunnel
Austria	Wske Tunnel	UK	New Tyne Crossing
Belgium	Gare De Namur	Yemen	Sayhut-Nishtun Road Project
China	Hu Rong Su Tunnel		
China	Chong Qin Fang Dou Shan	<b>Rail/Metro Country</b>	<b>Project</b>
China	Sky Pier (Tunnel 1)	Australia	Parramatta Rail Link
China	Hu Nan Jia Hou Yan	Austria	U3 Station Erdberg
China	Hu Nan Xue Feng Shan Tunnel	Austria	U2/1 Schottenring
Croatia	Tunnel Trsat	Austria	River City
Croatia	Tunnel Skurinje	Austria	U1 Unterwerk
Croatia	Sveti Rok 2	Austria	U2 Messe
Croatia	Mala Kapela	Austria	U4 Schottenring
Croatia	Veliki Glozac	Austria	Vienna Metro - Gross
Croatia	Tunnel Bisko	Austria	Vienna Metro - Leopoldsdorf
Croatia	Tunnel Mravince	Brazil	Sao Paulo Metro Line 4
Croatia	Tunnel Strazina	Canada	TTC Shepherd
Croatia	Cardak	Canada	TTC Petrofit
Croatia	Brezovica	Canada	Montreal STCUM
Croatia	Sveta Tri Krajlja	China	Guangzhou Metro
Croatia	Mala Kapela	Denmark	Copenhagen Metro
Dubai	Dubai International Airport	Dubai	Dubai Light Railway
Finland	Kehu Project	Greece	Attiko Metro - Elliniko Ext.
Finland	Hakamaentie/Kivihaka Tunnel	Greece	Egnatio Odos Driscos Tunnel
Finland	Vuoli Tunnel	Greece	Attiko Metro, Athens
Greece	Egnatia Odos-Panagia-Grevena	Hong Kong	TKO South Hong Kong
Greece	Eftaxias	Hong Kong	Beacon Hill Tunnel
Hong Kong	Route 8	Hong Kong	Lok Ma Chau
Hong Kong	Sky Plaza	Hong Kong	Penny's Bay Line
Hong Kong	Lantau Airport & Railway	Hungary	Budapest Metro Line 2
India	DAMEL	Hungary	Budapest Metro Line 4
India	C Doctor	India	Delhi Metro Phase II
Italy	Seiano Tunnel	India	Delhi Metro
Italy	Montenegrone Project	India	DMRC Phase 1 (Mc1b)
Italy	Martignano	Iran	Mashhad Metro
Italy	Gran Sasso	Italy	Passante Ferroviario Di Torino
Italy	Mongrando Tunnel	Italy	Torino Di Bologna
Italy	Gra Salva Candida	Italy	Nodo Di Bologna
Italy	Cesena Tunnel	Italy	Passante Ferroviario
Italy	Valsassina Tunnel	Italy	Turin Metro
Italy	Spezia	Italy	Turin Metro Lot 6c Project
Italy	Lonato Tunnel	Italy	Rome Rail Station
Italy	Ronco Tunnel	Italy	Avigliana
Italy	Val Badia Tunnel	Italy	Alifana Metro
Italy	Marinasco Tunnel	Italy	Milan Metro
Malaysia	SMART	New Zealand	Britomart Project
New Zealand	JHT New Zealand	New Zealand	Otira Rail Tunnel
Norway	E18 - Bjorvika Tunneln	Portugal	Lisbon Metro
Norway	Norway Road Tunnel	Romania	Bucharest Metro
Norway	Mesta As	Singapore	CCL2
Poland	Rondo Tunnel	Singapore	CCL3
Portugal	Tunnel Do Rossio	Singapore	CCL4
Puerto Rico	Tven Urbana	Singapore	CCL5
Qatar	New Doha International Airport	Singapore	KPE Expressway
Qatar	NDIA Free Trade Zone	Singapore	North East Line
Saudi Arabia	Jamarat Bridge Phase II	Taiwan	Nankang Extension Project
Saudi Arabia	Jamarat Bridge Basement	Taiwan	KMRT
Saudi Arabia	King Khalid Road Tunnel	Turkey	Adana Metro
Serbia	Vrmac Tunnel	UK	Bank Station
Singapore	Singapore Metro Link	UK	Channel Tunnel Rail Link
Sweden	Arlandabanan, Stockholm	UK	Cooling the Tube
Switzerland	Biasca Tunnel	UK	Docklands Light Railway
Taiwan	Pinglin	UK	Jubilee Line Extension
UK	A3 Hindhead Tunnel	UK	Liverpool Street Station
UK	Bell Common Tunnel	UK	T5 Track Transit
UK	Holmesdale Tunnel	UK	Woolwich Arsenal Extension
		Venezuela	Valencia Metro

# Precise Air Management

Fläkt Woods is a global leader in air management. We specialise in the design and manufacture of a wide range of air climate and air movement solutions. And our collective experience is unrivalled.

Our constant aim is to provide systems that precisely deliver required function and performance, as well as maximise energy efficiency.

Solutions for all your air climate and air movement needs

Fläkt Woods is the only company in the UK capable of providing total system solutions from the following portfolio:

- Fans

Advanced axial, centrifugal and boxed fans for general and specialist applications. Comprehensive range including high temperature and ATEX compliant options. Engineered for energy efficiency and minimised life cycle cost.

- Air Handling Units (AHUs)

Modular, compact and small AHU units. Designed to ensure optimisation of indoor air quality, operational performance and service life.

- Chillers

Air-cooled and water-cooled chillers with cooling capacity up to 1800kW. Designed to minimise annual energy consumption in all types of buildings.

- Chilled beams

Active induction beams for ventilation, cooling and heating, and passive convection beams for cooling. For suspended or flush-mounted ceiling installation – and multi-service configuration. With unique Comfort Control and Flow Pattern Control features.

- Smoke control and car park ventilation systems

Unique approach to car park ventilation, aided and optimised by Computational Fluid Dynamics (CFD) software. Complete turnkey solutions for designing, installing and commissioning mechanical and natural smoke ventilation.

- Controls and drives

Variable speed drives and control systems, all tested to ensure total compatibility with our products. Specialist team can advise on energy saving and overall system integration.

- Technical Site Services

Our dedicated team providing comprehensive post-installation services. Including condition-based contract monitoring, preventative and routine maintenance, refurbishment and system upgrades.

Fläkt Woods operates a policy of continuous development and improvement. Accordingly, the Company reserves the right to supply products that may differ from those illustrated and described in this publication. Certified dimensions will be supplied on request on receipt of order.

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