

HTJM Aerofoil - Cased Axial Fans



Features

- 315 - 1000 mm diameter
- Volumes up to 75,600 m³/h (21 m³/s)
- Static pressures up to 900 Pa
- IP55 motor rating
- Fans tested to ISO5801 and BS848
- High energy efficiency
- Low installed noise levels
- Motor protection IP55
- Larger sizes available please enquire for more information

Electrical Supply

380-420V/50Hz/3 ϕ

Temperature Range

- -40°C to 50°C as standard
- 300°C and 400°C for 2 hours on one off emergency operation only
- High temperature test standard directive 89/106/EEC to EN 12101-3

Sizes

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

Impellers

A unique high efficiency aerofoil section blade with a purposely 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 allow for speed control by frequency inverter.

Motors

Fläkt Woods H.T. Series fans utilise a totally enclosed squirrel cage motor. The grades of motor insulation has been selected to meet the specific requirements for each of the H.T. Categories. These motors are suitable for inverter speed control down to 20% of full speed and where within scope incorporate IE2 compliant motors.

Casings

HT JM 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.

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.

Fläkt Woods H.T. Series fan motors are sized to run the fans continuously at normal ambient temperatures (-40°C to 50°C), as well as operating at their emergency high temperature category (once off usage).

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

Product Code

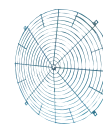
HT63JM/20/4/6/36

- 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



Damper



Guard



Bellmouth



Flange



Mounting Feet



Rubber AV's



Spring AV's



Flexible Connector



Silencer

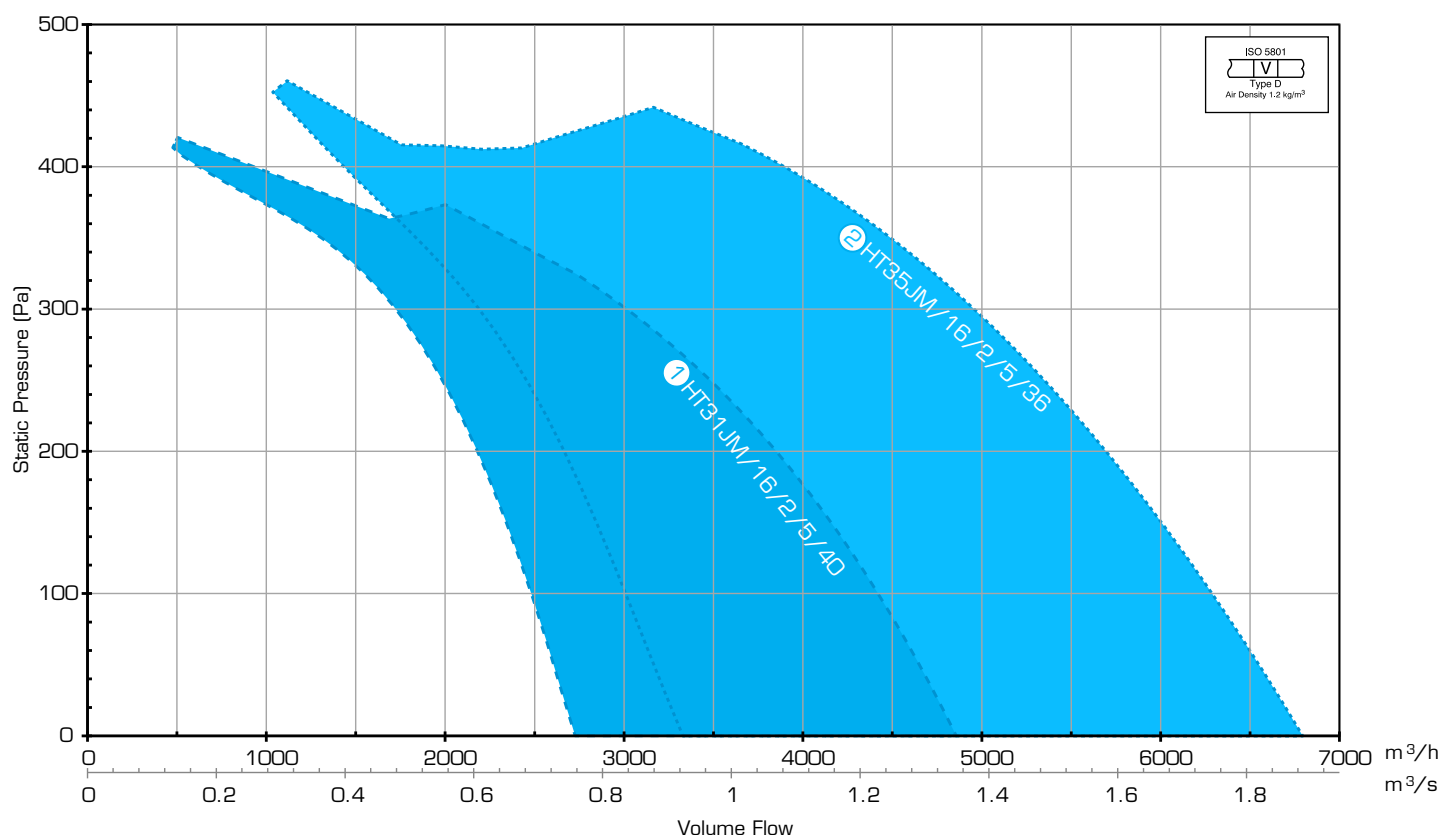


Controls Inverter



HTJM Aerofoil Performance and Electrical Data

Performance Chart - 315-355 mm, 300°C for 2 hours
380-420v/50Hz/3φ



Performance Table - 315-355 mm, 300°C for 2 hours
380-420v/50Hz/3φ

Ref	Product Code	m³/s @ Pa (Static)							
		0	50	100	150	200	250	300	400
1	HT31JM/16/2/5/40	1.34	1.29	1.22	1.15	1.06	0.96	0.83	
2	HT35JM/16/2/5/36	1.88	1.81	1.74	1.66	1.58	1.48	1.37	1.08

Product, Electrical and ErP Table - 315-355 mm, 300°C for 2 hours
380-420v/50Hz/3φ

Ref	Product Code	Product Number	Pitch Angle (°)		Speed rev/min	Motor	Rating (kW)	Full Load Current (A)	Starting Current (A)	Wiring Diagram (CD)	Speed Controller		
			Min	Max							Electronic	Transformer	Inverter
1	HT31JM/16/2/5/40	EJ349282	20	40	2840	80 (IE2)	0.9	1.95	9.75	CD2416	N/A	N/A	IDDXF54-2.2
2	HT35JM/16/2/5/36	EJ389280	14	36	2840	80 (IE2)	1.32	2.79	14.62	CD2416	N/A	N/A	IDDXF54-3.7

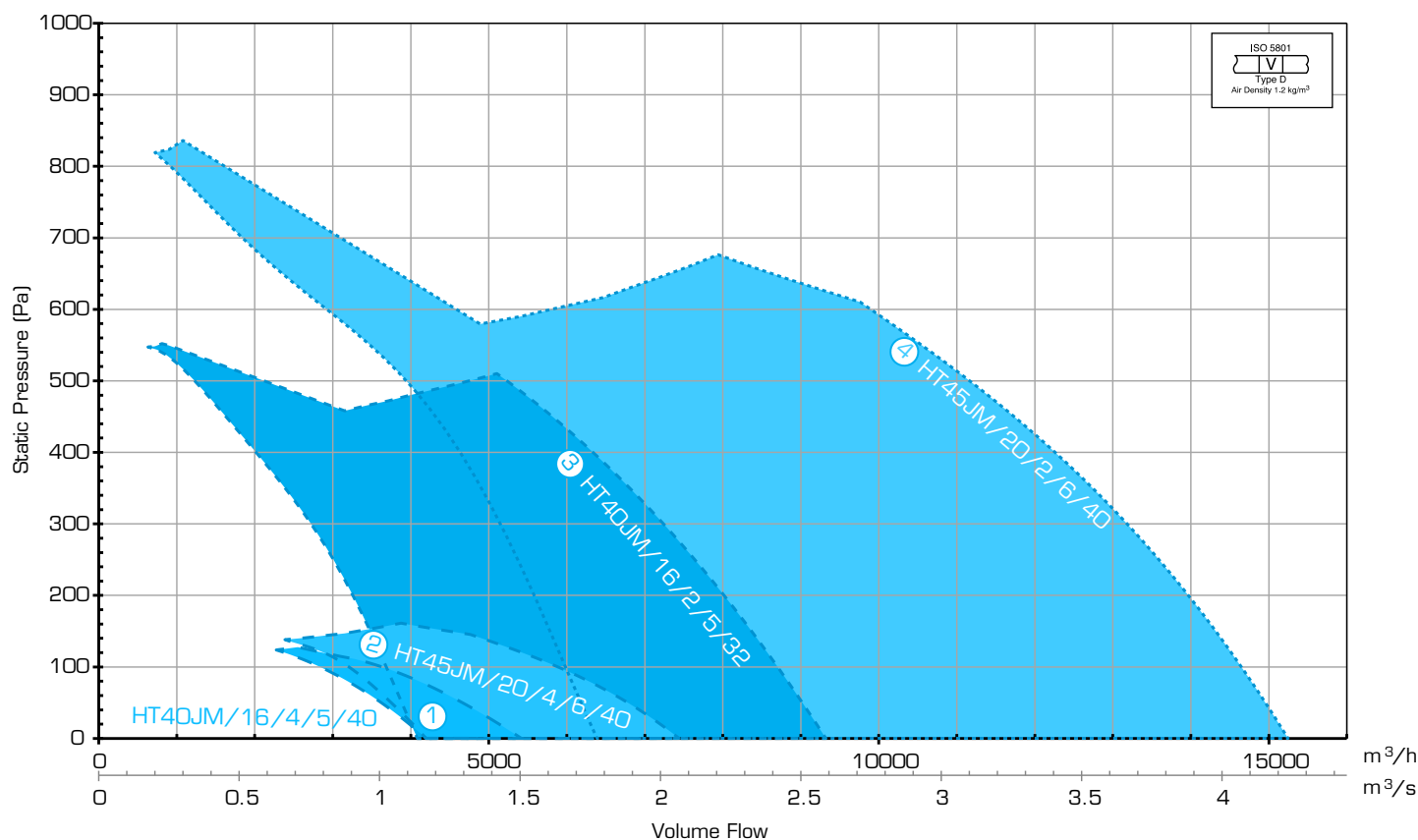
Ref	Product Code	Product Number	Inlet Sound Levels	Efficiency Rating	Target	Grade
1	HT31JM/16/2/5/40	EJ349282	65	40.9	38.1	4B
2	HT35JM/16/2/5/36	EJ389280	68	46.8	39.1	53

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.



HTJM Aerofoil Performance and Electrical Data

Performance Chart - 400-450 mm, 300°C for 2 hours
380-420V/50Hz/3φ



Performance Table - 400-450 mm, 300°C for 2 hours
380-420V/50Hz/3φ

Ref	Product Code	m³/s @ Pa (Static)									
		0	50	100	150	200	250	300	400	500	600
3	HT40JM/16/2/5/32	2.58	2.5	2.41	2.32	2.22	2.12	2.01	1.75	1.45	
1	HT40JM/16/4/5/40	1.5	1.29	1							
2	HT45JM/20/4/6/40	2.06	1.88	1.63							
4	HT45JM/20/2/6/40	4.23	4.15	4.06	3.97	3.87	3.77	3.66	3.4	3.1	2.74

Product, Electrical and ErP Table - 400-450 mm, 300°C for 2 hours
380-420V/50Hz/3φ

Ref	Product Code	Product Number	Pitch Angle (°)		Speed rev/min	Motor	Rating (kW)	Full Load Current (A)	Starting Current (A)	Wiring Diagram (CD)	Speed Controller		
			Min	Max							Electronic	Transformer	Inverter
3	HT40JM/16/2/5/32	EJ439280	10	32	2840	80 (IE2)	1.73	3.59	18.31	CD2416	N/A	N/A	IDDXF54-3.7
1	HT40JM/16/4/5/40	EJ439430	28	40	1420	80 (IE2)	0.66	1.49	7.35	CD2416	N/A	N/A	IDDXF54-2.2
2	HT45JM/20/4/6/40	EJ489430	18	40	1420	80 (IE2)	0.66	1.49	7.35	CD2416	N/A	N/A	IDDXF54-2.2
4	HT45JM/20/2/6/40	EJ489280	12	40	2910	100L (IE2)	4.6	8.88	61.27	CD2416	N/A	N/A	IDDXF54-9

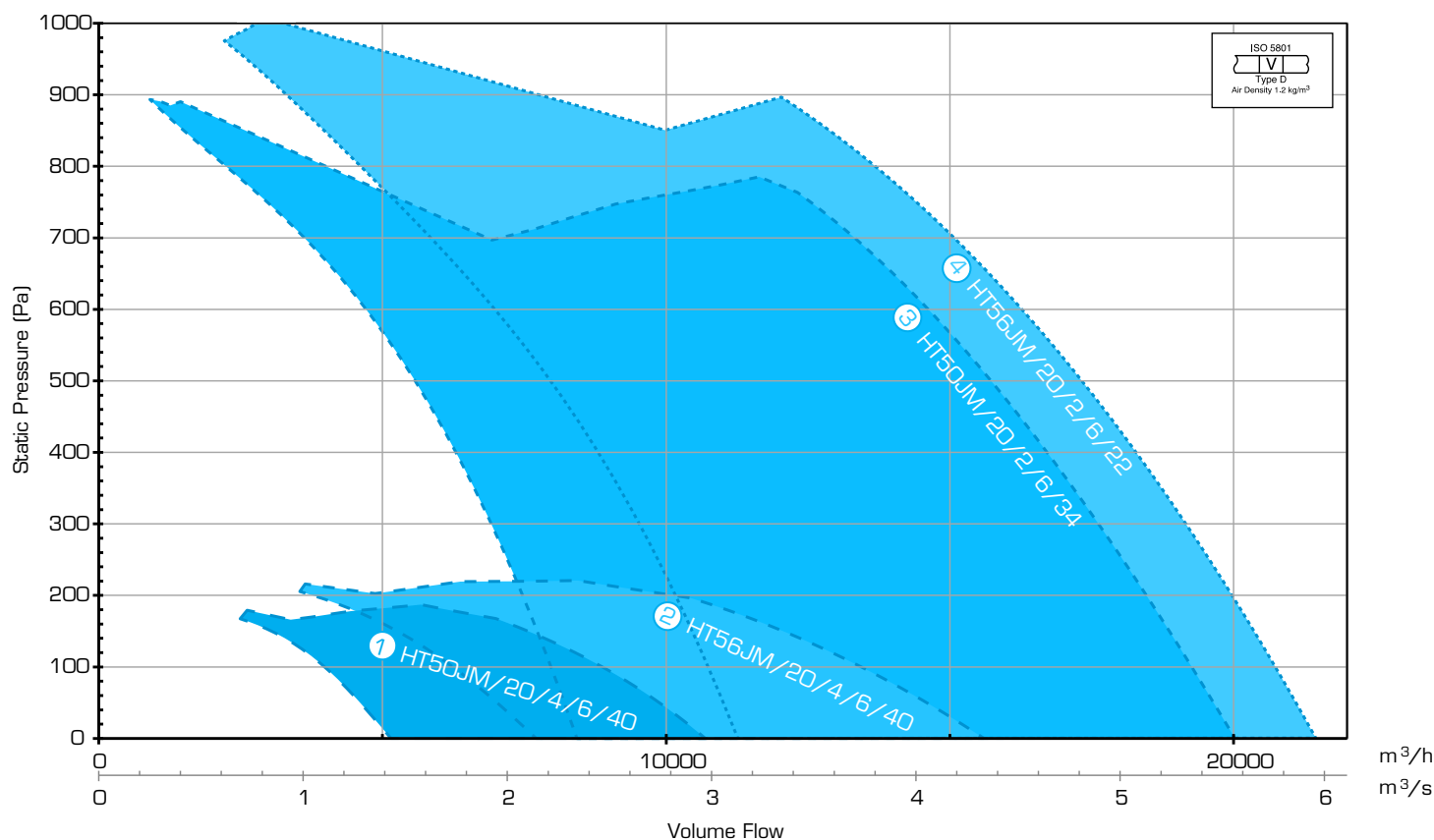
Ref	Product Code	Product Number	Inlet Sound Levels	Efficiency Rating	Target	Grade
3	HT40JM/16/2/5/32	EJ439280	69	49.4	40.2	54
1	HT40JM/16/4/5/40	EJ439430	56	40.8	35.8	58
2	HT45JM/20/4/6/40	EJ489430	59	41.1	37.5	49
4	HT45JM/20/2/6/40	EJ489280	77	45.7	43.1	48

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.



HTJM Aerofoil Performance and Electrical Data

Performance Chart - 500-560 mm, 300°C for 2 hours
380-420v/50Hz/3φ



Performance Table - 500-560 mm, 300°C for 2 hours
380-420v/50Hz/3φ

Ref	Product Code	m³/s @ Pa (Static)										
		0	50	100	150	200	250	300	400	500	600	800
1	HT50JM/20/4/6/40	2.96	2.74	2.46	2.09							
2	HT50JM/20/2/6/34	5.56	5.45	5.35	5.24	5.12	5.01	4.89	4.64	4.36	4.06	3.7
3	HT56JM/20/4/6/40	4.33	4.05	3.73	3.34							
4	HT56JM/20/2/6/22	5.95	5.86	5.75	5.65	5.54	5.43	5.32	5.07	4.81	4.51	4.18

Product, Electrical and ErP Table - 500-560 mm, 300°C for 2 hours
380-420v/50Hz/3φ

Ref	Product Code	Product Number	Pitch Angle (°)		Speed rev/min	Motor	Rating (kW)	Full Load Current (A)	Starting Current (A)	Wiring Diagram (CD)	Speed Controller		
			Min	Max							Electronic	Transformer	Inverter
1	HT50JM/20/4/6/40	EJ539482	14	40	1420	80 (IE2)	0.9	1.92	9.79	CD2416	N/A	N/A	IDDXF54-2.2
3	HT50JM/20/2/6/34	EJ539280	10	34	2910	112M (IE2)	6.05	11.6	76.56	CD2416	N/A	N/A	IDDXF54-12
2	HT56JM/20/4/6/40	EJ599490	14	40	1420	90L (IE2)	1.8	3.76	20.68	CD2416	N/A	N/A	IDDXF54-5.3
4	HT56JM/20/2/6/22	EE599280	8	22	2910	112M (IE2)	6.05	11.6	76.56	CD2416	N/A	N/A	IDDXF54-12

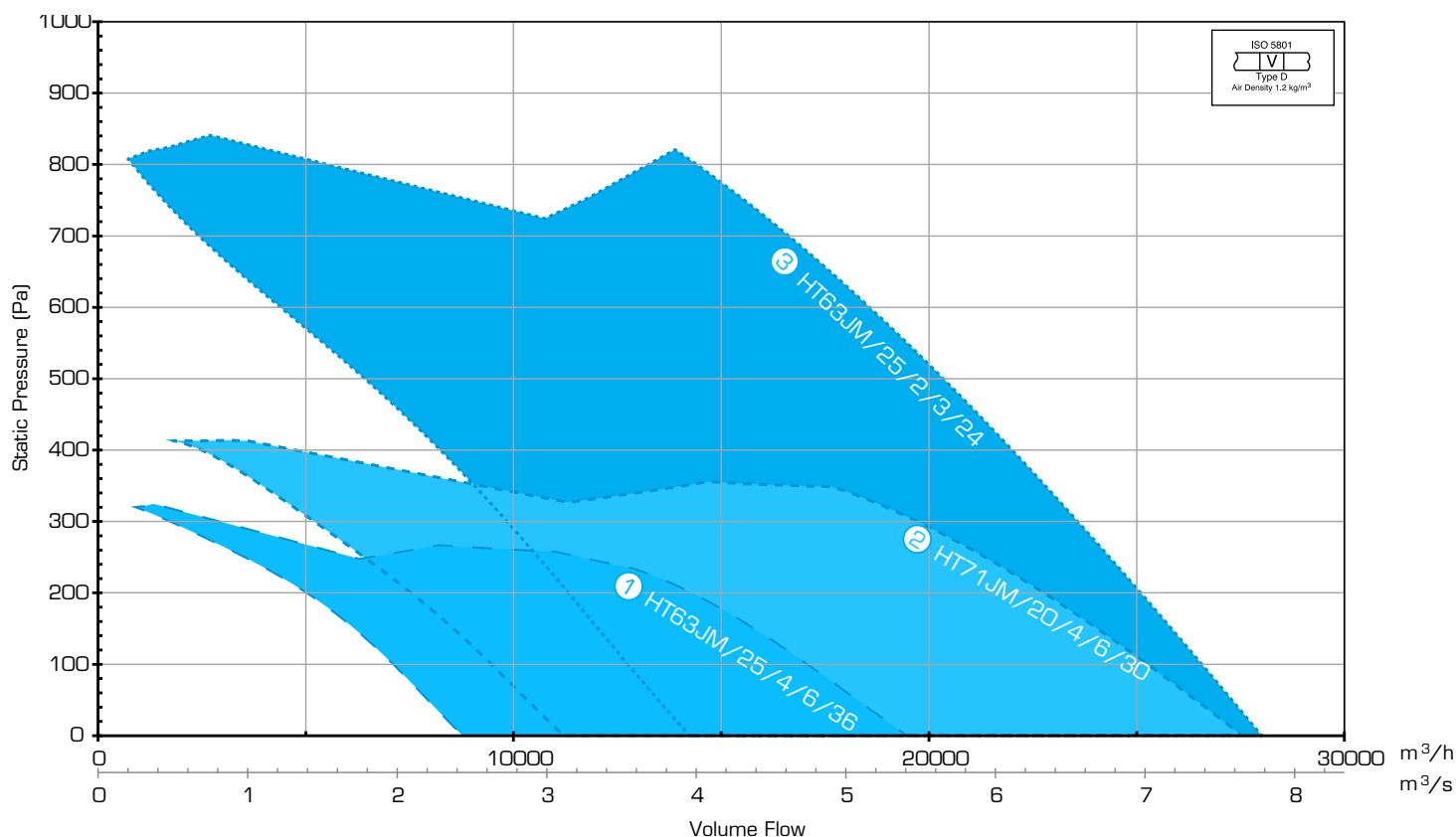
Ref	Product Code	Product Number	Inlet Sound Levels	Efficiency Rating	Target	Grade
1	HT50JM/20/4/6/40	EJ539482	62	45.9	38.8	52
2	HT50JM/20/2/6/34	EJ539280	78	54.4	53.7	55
3	HT56JM/20/4/6/40	EJ599490	66	52.0	50.1	56
4	HT56JM/20/2/6/22	EE599280	76	61.8	53.4	63

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.



HTJM Aerofoil Performance and Electrical Data

Performance Chart - 630-710 mm, 300°C for 2 hours
380-420v/50Hz/3φ



Performance Table - 630-710 mm, 300°C for 2 hours
380-420v/50Hz/3φ

Ref	Product Code	m³/s @ Pa (Static)											
		0	50	100	150	200	250	300	400	500	600	700	800
3	HT63JM/25/2/3/24	7.78	7.58	7.38	7.17	6.97	6.76	6.55	6.11	5.65	5.15	4.61	4
1	HT63JM/20/4/6/36	5.4	5.07	4.74	4.38	3.97							
2	HT71JM/20/4/6/30	7.64	7.33	7.01	6.68	6.32	5.93	5.47					

Product, Electrical and ErP Table - 630-710 mm, 300°C for 2 hours
380-420v/50Hz/3φ

Ref	Product Code	Product Number	Pitch Angle (°)		Speed rev/min	Motor	Rating (kW)	Full Load Current (A)	Starting Current (A)	Wiring Diagram (CD)	Speed Controller		
			Min	Max							Electronic	Transformer	Inverter
3	HT63JM/25/2/3/24	EE664281	8	24	2910	132S (IE2)	6.6	12.66	72.08	CD2416	N/A	N/A	IDDXF54-15.5
1	HT63JM/20/4/6/36	EJ669482	12	36	1420	100L (IE2)	2.64	5.49	30.62	CD2416	N/A	N/A	IDDXF54-7.2
2	HT71JM/20/4/6/30	EE749481	8	30	1440	100L (IE2)	3.6	7.29	40.11	CD2416	N/A	N/A	IDDXF54-9

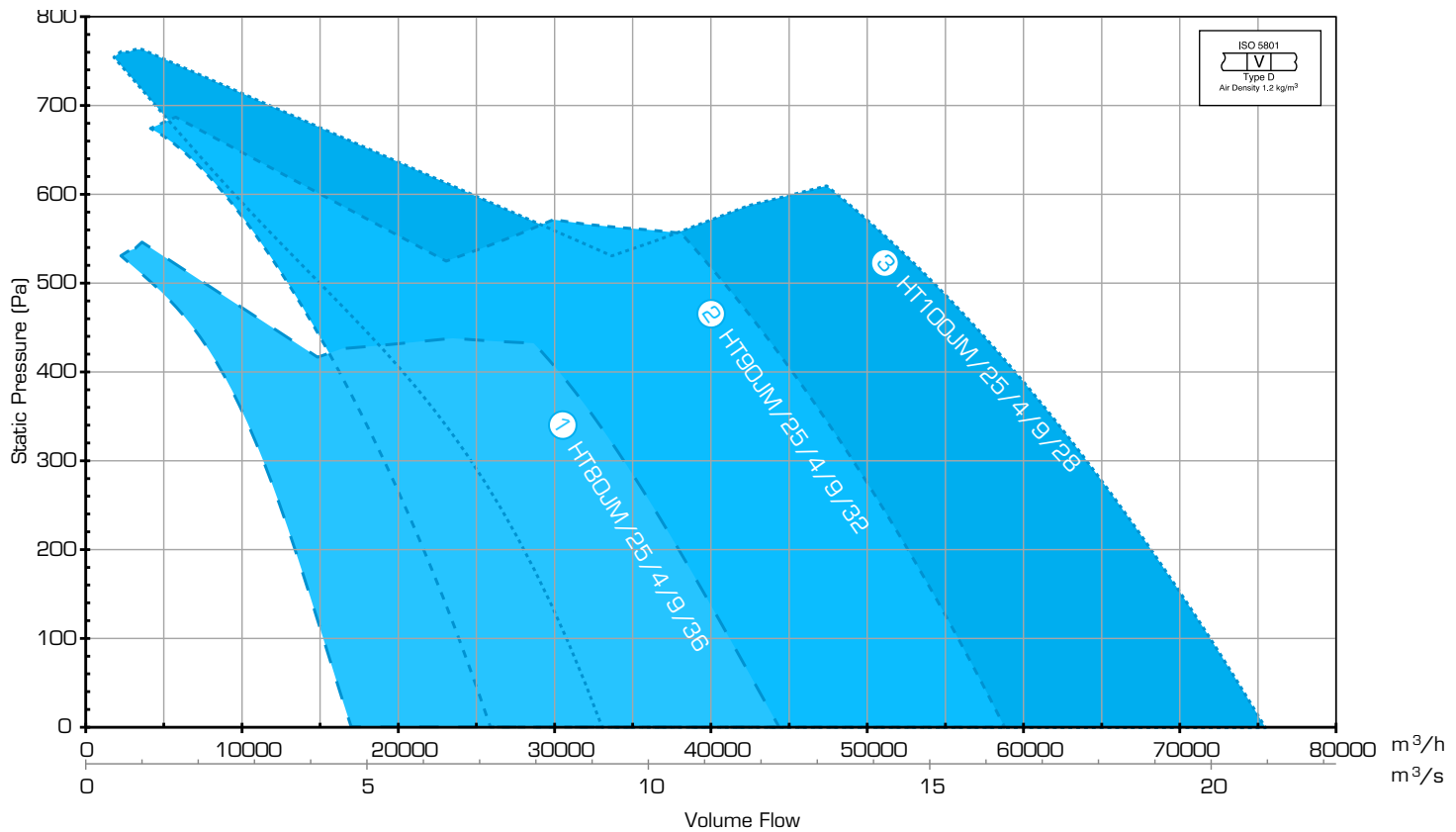
Ref	Product Code	Product Number	Inlet Sound Levels	Efficiency Rating	Target	Grade
3	HT63JM/25/2/3/24	EE664281	77	55.8	54.0	56
1	HT63JM/20/4/6/36	EJ669482	67	55.6	51.0	59
2	HT71JM/20/4/6/30	EE749481	70	59.2	52.3	61

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.



HTJM Aerofoil Performance and Electrical Data

Performance Chart - 800, 900, 1000 mm, 300°C for 2 hours
380-420v/50Hz/3φ



Performance Table - 800, 900, 1000 mm, 300°C for 2 hours
380-420v/50Hz/3φ

Ref	Product Code	m³/s @ Pa (Static)									
		0	50	100	150	200	250	300	400	500	600
1	HT80JM/25/4/9/36	12.32	11.88	11.44	10.99	10.53	10.06	9.56	8.41		
2	HT90JM/25/4/9/32	16.33	15.92	15.5	15.06	14.61	14.13	13.63	12.56	11.34	
3	HT100JM/25/4/9/28	20.96	20.48	19.98	19.46	18.93	18.37	17.78	16.51	15.07	13.35

Product, Electrical and ErP Table - 800, 900, 1000 mm, 300°C for 2 hours
380-420v/50Hz/3φ

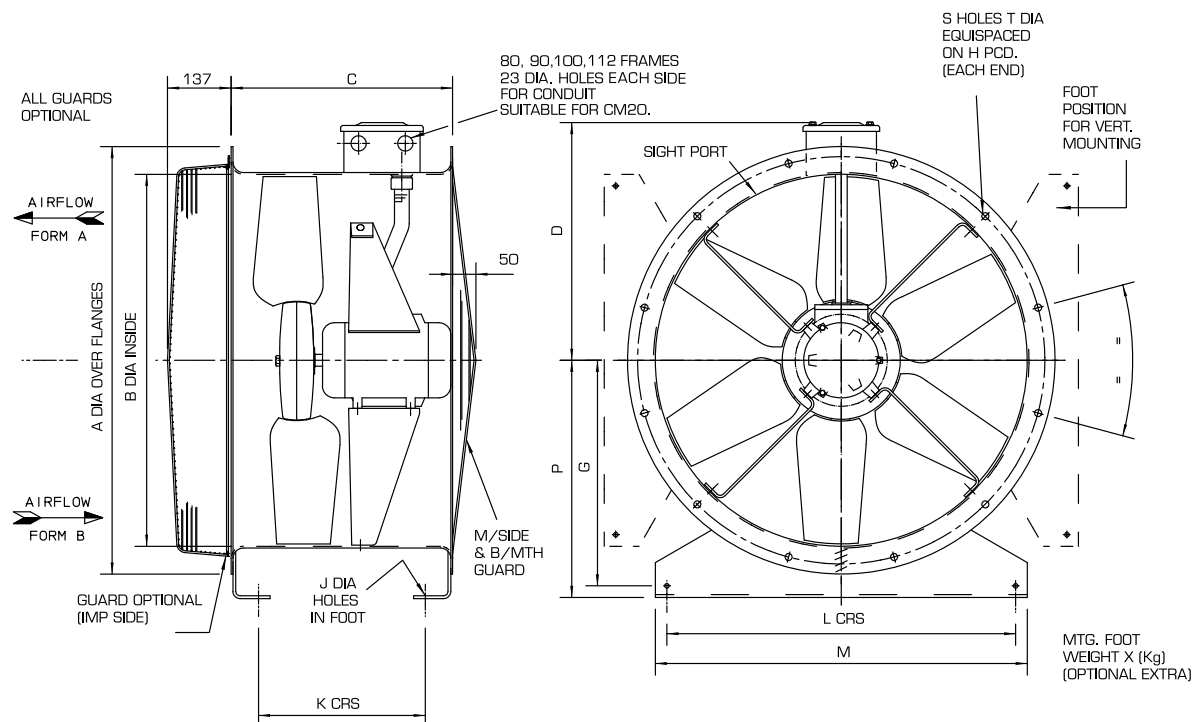
Ref	Product Code	Product Number	Pitch Angle [°]		Speed rev/min	Motor	Rating (kW)	Full Load Current (A)	Starting Current (A)	Wiring Diagram (CD)	Speed Controller		
			Min	Max							Electronic	Transformer	Inverter
1	HT80JM/25/4/9/36	EJ839493	10	36	1440	132S (IE2)	8.63	16.36	101.52	CD2417	N/A	N/A	IDDXF54-23
2	HT90JM/25/4/9/32	EJ939481	10	32	1440	132M (IE2)	12.7	24	163.2	CD2417	N/A	N/A	IDDXF54-31
3	HT100JM/25/4/9/28	EE139485	8	28	1470	160L (IE2)	18	34.2	177.94	CD2417	N/A	N/A	IDDXF54-37

Ref	Product Code	Product Number	Inlet Sound Levels	Efficiency Rating	Target	Grade
1	HT80JM/25/4/9/36	EJ839493	77	58.5	54.2	59
2	HT90JM/25/4/9/32	EJ939481	88	61.3	55.1	61
3	HT100JM/25/4/9/28	EE139485	84	64.1	55.3	63

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.

Drawing - HTJM Aerofoil, 300°C for 2 hours

315-1000 mm



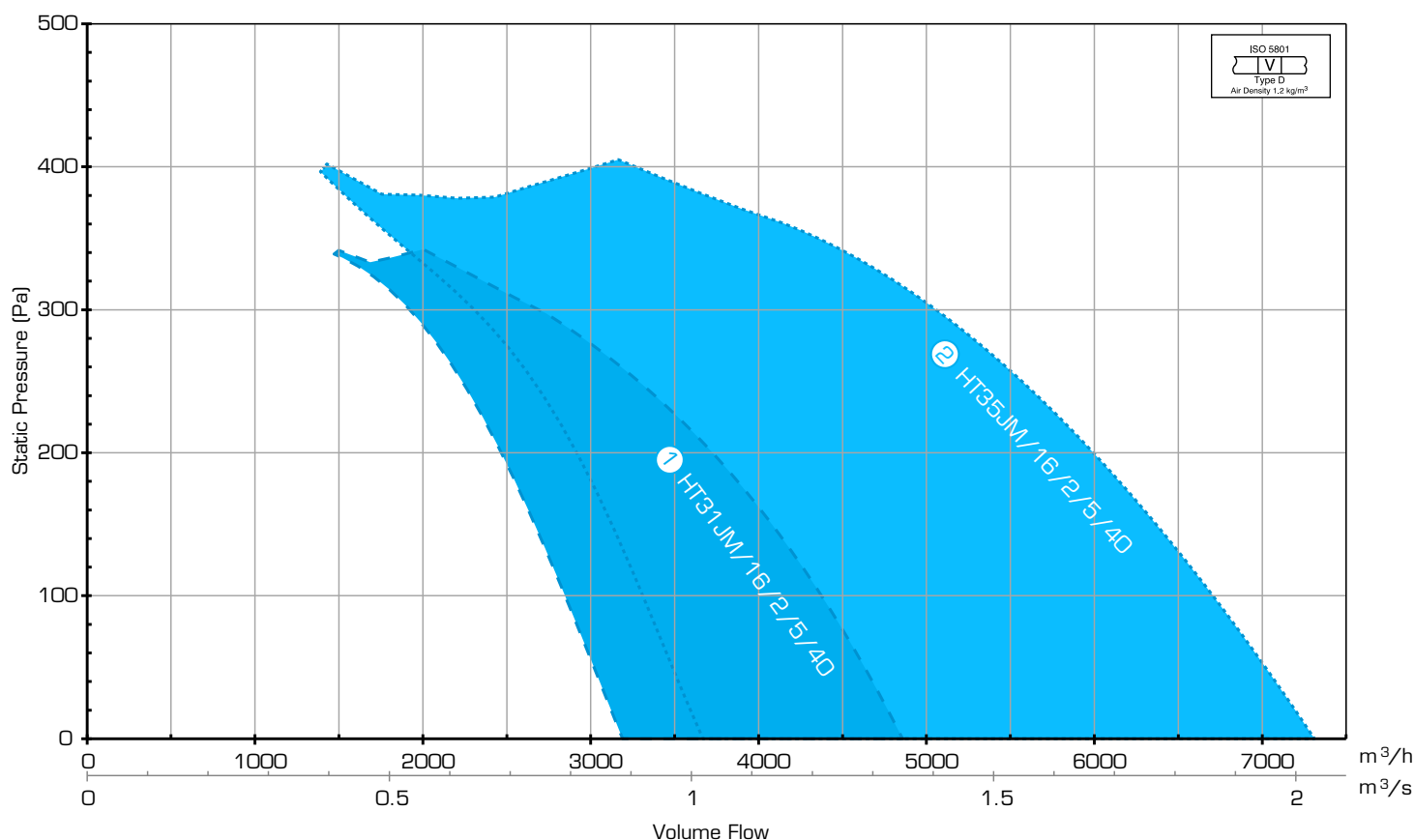
Product Code	Motor	A	B	C	D	G	H	J	K	L	M	P	S	T	X	Weight (kg)
HT31JM/16/2/5/40	80 (IE2)	395	315	375	335	175	355	10	290	265	315	200	8	10	0.8	31
HT35JM/16/2/5/40	80 (IE2)	435	355	375	256	200	395	10	290	305	355	225	8	10	1.1	34
HT40JM/16/2/5/32	80 (IE2)	480	400	375	279	225	450	10	290	350	400	250	8	12	1.2	35
HT40JM/16/4/5/40	80 (IE2)	480	400	375	279	225	450	10	290	350	400	250	8	12	1.2	35
HT45JM/20/4/6/40	80 (IE2)	530	450	375	306	225	500	10	290	400	450	280	8	12	1.5	37
HT45JM/20/2/6/40	100 (IE2)	530	450	520	306	225	500	10	434	400	450	280	8	12	1.5	60
HT50JM/20/4/6/40	80 (IE2)	594	500	375	338	290	560	10	290	450	500	315	12	12	2	39
HT50JM/20/2/6/34	112M (IE2)	594	500	520	338	290	560	10	434	450	500	315	12	12	2	76
HT56JM/20/4/6/40	90L (IE2)	654	560	520	368	330	620	10	424	510	560	355	12	12	2.3	55
HT56JM/20/2/6/22	112M (IE2)	654	560	520	368	330	620	10	424	510	560	355	12	12	2.3	78
HT63JM/25/2/3/24	132S (IE2)	724	630	520	403	375	690	10	434	580	630	400	12	12	2.4	140
HT63JM/20/4/6/36	100L (IE2)	724	630	520	403	375	690	10	434	580	630	400	12	12	2.4	80
HT71JM/20/4/6/30	100L (IE2)	804	710	520	443	415	770	10	434	660	710	440	16	12	4.5	83
HT80JM/25/4/9/36	132S (IE2)	894	800	520	480	485	860	12	434	750	800	510	16	12	5.3	166
HT90JM/25/4/9/32	132M (IE2)	1006	900	520	575	491	970	12	440	850	900	518	16	15	5.3	179
HT100JM/25/4/9/28	160L (IE2)	1138	1000	711	625	605	1070	14	629	950	1000	630	16	15	13.2	335

All dimensions in mm



HTJM Aerofoil Performance and Electrical Data

Performance Chart - 315-355 mm, 400°C for 2 hours
380-420v/50Hz/3φ



Performance Table - 315-355 mm, 400°C for 2 hours
380-420v/50Hz/3φ

Ref	Product Code	m³/s @ Pa (Static)						
		0	50	100	150	200	250	300
1	HT31JM/16/2/5/40	1.34	1.28	1.21	1.13	1.03	0.91	
2	HT35JM/16/2/5/40	2.03	1.94	1.86	1.76	1.66	1.54	1.4

Product, Electrical and ErP Table - 315-355 mm, 400°C for 2 hours
380-420v/50Hz/3φ

Ref	Product Code	Product Number	Pitch Angle (°)		Speed rev/min	Motor	Rating (kW)	Full Load Current (A)	Starting Current (A)	Wiring Diagram (CD)	Speed Controller		
			Min	Max							Electronic	Transformer	Inverter
1	HT31JM/16/2/5/40	EJ349294	24	40	2840	80 (IE2)	0.9	1.95	9.75	CD2416	N/A	N/A	IDDXF54-2.2
2	HT35JM/16/2/5/40	EJ389294	16	40	2840	80 (IE2)	1.32	2.79	14.5	CD2416	N/A	N/A	IDDXF54-3.7

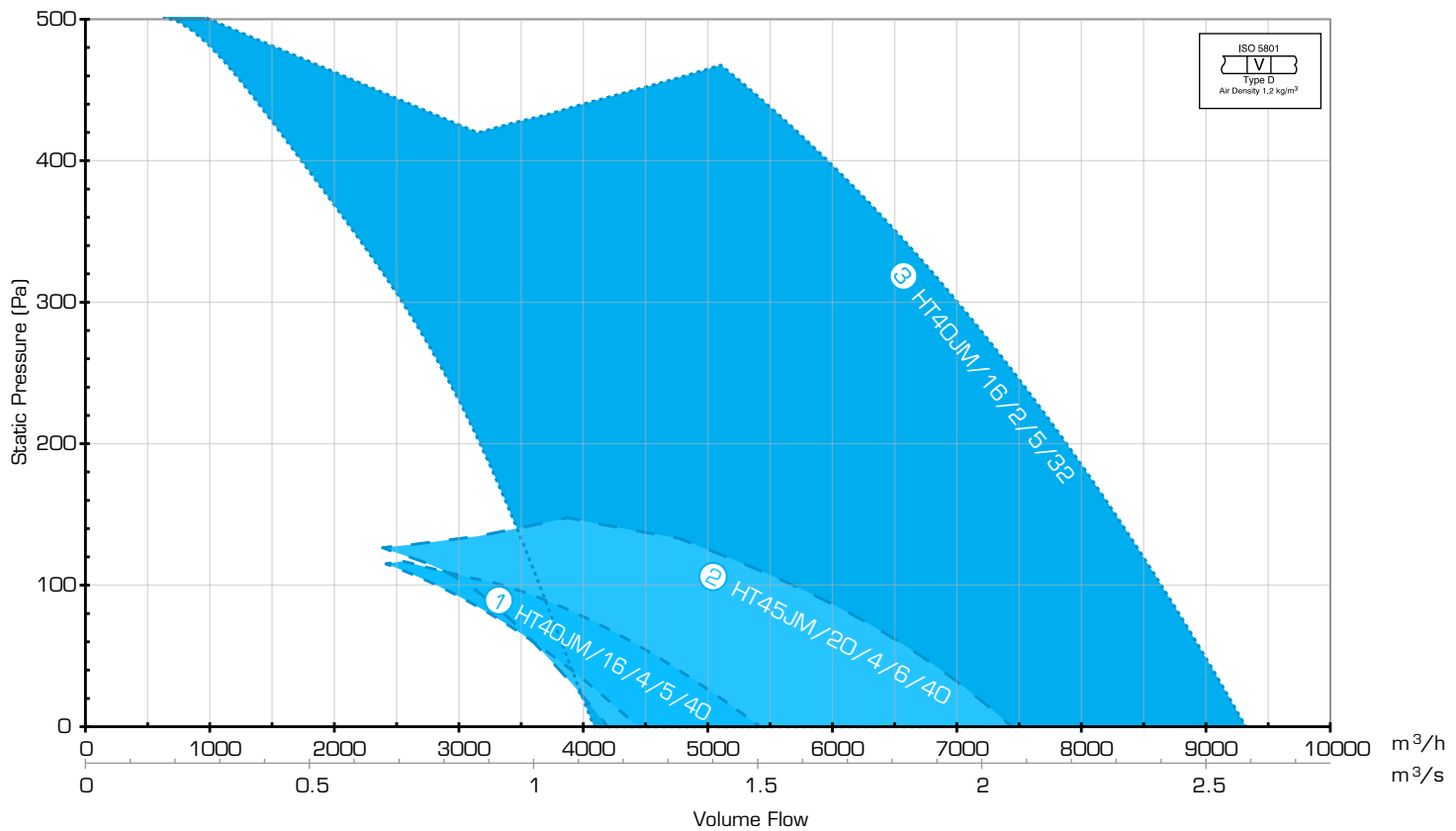
Ref	Product Code	Product Number	Inlet Sound Levels	Efficiency Rating	Target	Grade
1	HT31JM/16/2/5/40	EJ349294	66	39.1	38.0	46
2	HT35JM/16/2/5/40	EJ389294	71	44.3	39.3	50

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.



HTJM Aerofoil Performance and Electrical Data

Performance Chart - 400-450 mm, 400°C for 2 hours
380-420v/50Hz/3φ



Performance Table - 400-450 mm, 400°C for 2 hours
380-420v/50Hz/3φ

Ref	Product Code	m³/s @ Pa (Static)							
		0	50	100	150	200	250	300	400
3	HT40JM/16/2/5/32	2.58	2.49	2.4	2.29	2.18	2.07	1.94	1.65
1	HT40JM/16/4/5/40	1.5	1.27	0.92					
2	HT45JM/20/4/6/40	2.06	1.86	1.57					

Product, Electrical and ErP Table - 400-450 mm, 400°C for 2 hours
380-420v/50Hz/3φ

Ref	Product Code	Product Number	Pitch Angle [°]		Speed rev/min	Motor	Rating (kW)	Full Load Current (A)	Starting Current (A)	Wiring Diagram (CD)	Speed Controller		
			Min	Max							Electronic	Transformer	Inverter
3	HT40JM/16/2/5/32	EJ439294	10	32	2840	80 (IE2)	1.73	3.59	18.31	CD2416	N/A	N/A	IDDXF54-3.7
1	HT40JM/16/4/5/40	EJ439444	30	40	1420	80 (IE2)	0.66	1.49	7.37	CD2416	N/A	N/A	IDDXF54-2.2
2	HT45JM/20/4/6/40	EJ489444	18	40	1420	80 (IE2)	0.66	1.49	7.37	CD2416	N/A	N/A	IDDXF54-2.2

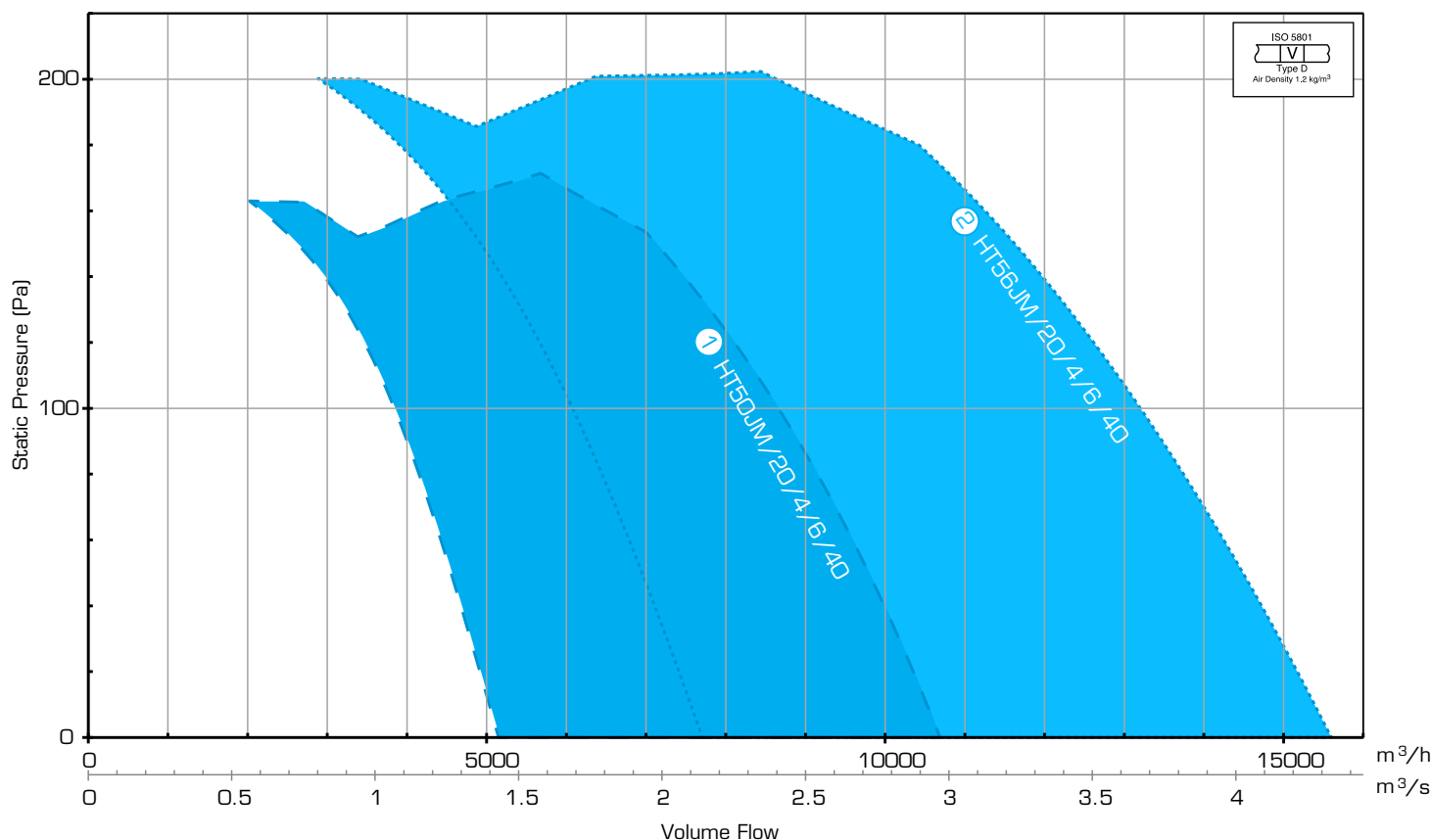
Ref	Product Code	Product Number	Inlet Sound Levels	Efficiency Rating	Target	Grade
3	HT40JM/16/2/5/32	EJ439294	70	47.7	40.0	53
1	HT40JM/16/4/5/40	EJ439444	56	39.3	35.6	49
2	HT45JM/20/4/6/40	EJ489444	60	39.4	37.5	47

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.



HTJM Aerofoil Performance and Electrical Data

Performance Chart - 500-560 mm, 400°C for 2 hours
380-420v/50Hz/3φ



Performance Table - 500-560 mm, 400°C for 2 hours
380-420v/50Hz/3φ

Ref	Product Code	m³/s @ Pa (Static)			
		0	50	100	150
1	HT50JM/20/4/6/40	2.96	2.72	2.4	1.97
2	HT56JM/20/4/6/40	4.33	4.02	3.66	3.22

Product, Electrical and ErP Table - 500-560 mm, 400°C for 2 hours
380-420v/50Hz/3φ

Ref	Product Code	Product Number	Pitch Angle [°]		Speed rev/min	Motor	Rating (kW)	Full Load Current (A)	Starting Current (A)	Wiring Diagram (CD)	Speed Controller		
			Min	Max							Electronic	Transformer	Inverter
1	HT50JM/20/4/6/40	EJ539494	14	40	1420	80 (IE2)	0.9	1.92	9.79	CD2416	N/A	N/A	IDDXF54-2.2
2	HT56JM/20/4/6/40	EJ599494	14	40	1420	90L (IE2)	1.8	3.76	20.68	CD2416	N/A	N/A	IDDXF54-5.3

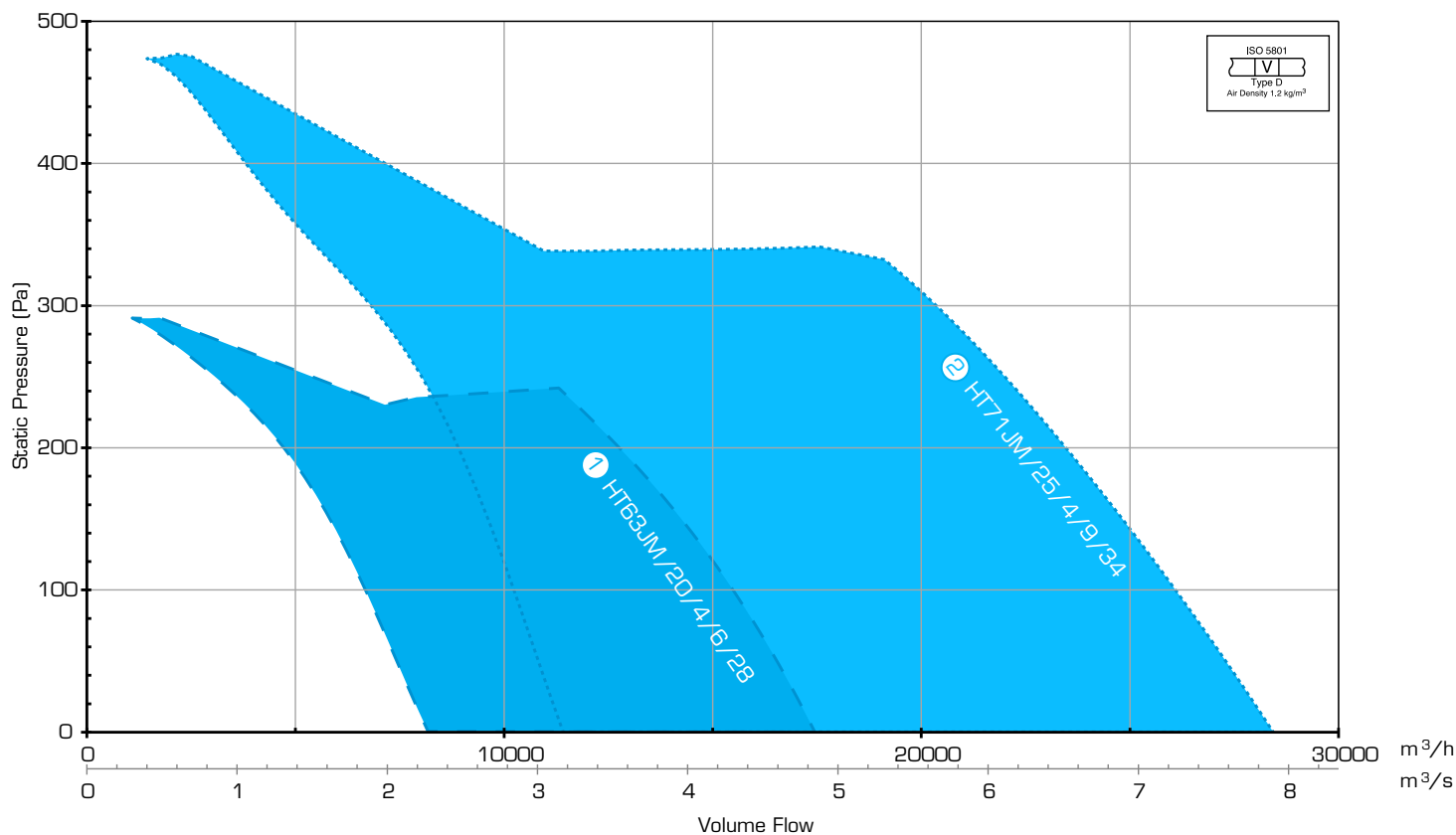
Ref	Product Code	Product Number	Inlet Sound Levels	Efficiency Rating	Target	Grade
1	HT50JM/20/4/6/40	EJ539494	63	44.2	38.8	50
2	HT56JM/20/4/6/40	EJ599494	67	50.4	50.1	55

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.



HTJM Aerofoil Performance and Electrical Data

Performance Chart - 630-710 mm, 400°C for 2 hours
380-420v/50Hz/3φ



Performance Table - 630-710 mm, 400°C for 2 hours
380-420v/50Hz/3φ

Ref	Product Code	m³/s @ Pa (Static)						
		0	50	100	150	200	250	300
1	HT63JM/20/4/6/28	4.84	4.59	4.3	3.95	3.54		
2	HT71JM/25/4/9/34	7.89	7.58	7.24	6.89	6.51	6.11	5.65

Product, Electrical and ErP Table - 630-710 mm, 400°C for 2 hours
380-420v/50Hz/3φ

Ref	Product Code	Product Number	Pitch Angle (°)		Speed rev/min	Motor	Rating (kW)	Full Load Current (A)	Starting Current (A)	Wiring Diagram (CD)	Speed Controller		
			Min	Max							Electronic	Transformer	Inverter
1	HT63JM/20/4/6/28	EJ669494	10	28	1420	90L (IE2)	1.8	3.76	20.68	CD2416	N/A	N/A	IDDXF54-5.3
2	HT71JM/25/4/9/34	EJ749494	10	34	1440	112M (IE2)	4.8	9.69	49.42	CD2417	N/A	N/A	IDDXF54-12

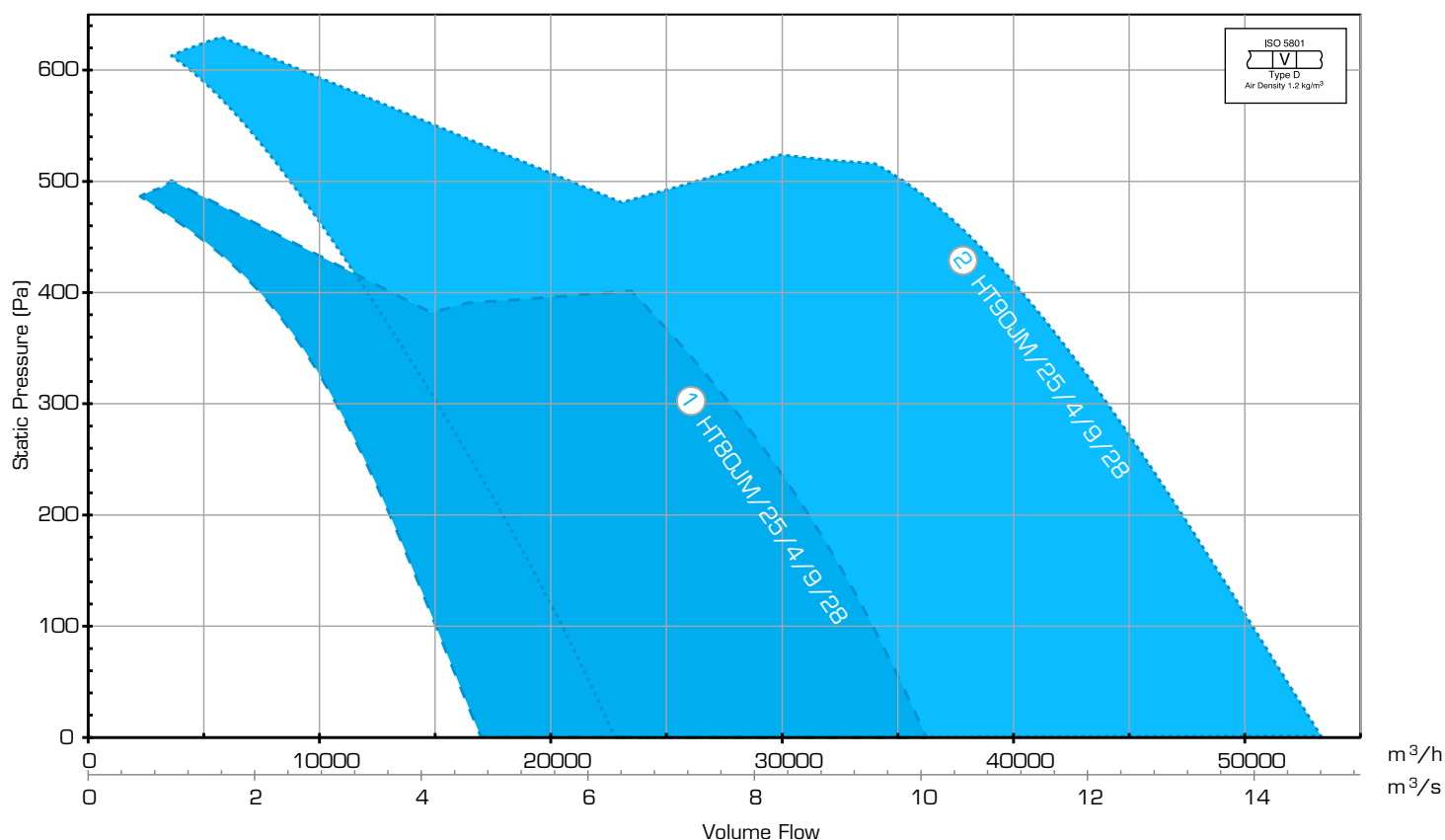
Ref	Product Code	Product Number	Inlet Sound Levels	Efficiency Rating	Target	Grade
1	HT63JM/20/4/6/28	EJ669494	65	51.6	50.2	56
2	HT71JM/25/4/9/34	EJ749494	72	49.4	42.8	52

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.



HTJM Aerofoil Performance and Electrical Data

Performance Chart - 800-900 mm, 400°C for 2 hours
380-420v/50Hz/3φ



Performance Table - 800-900 mm, 400°C for 2 hours
380-420v/50Hz/3φ

Ref	Product Code	m³/s @ Pa (Static)								
		0	50	100	150	200	250	300	400	500
1	HT80JM/25/4/9/28	10.06	9.75	9.42	9.05	8.65	8.2	7.7	6.54	
2	HT90JM/25/4/9/28	14.8	14.39	13.98	13.56	13.13	12.69	12.24	11.21	9.79

Product, Electrical and ErP Table - 800-900 mm, 400°C for 2 hours
380-420v/50Hz/3φ

Ref	Product Code	Product Number	Pitch Angle (°)		Speed rev/min	Motor	Rating (kW)	Full Load Current (A)	Starting Current (A)	Wiring Diagram (CD)	Speed Controller		
			Min	Max							Electronic	Transformer	Inverter
1	HT80JM/25/4/9/28	EJ839494	10	28	1440	132S (IE2)	6.6	12.5	76.25	CD2417	N/A	N/A	IDDXF54-15.5
2	HT90JM/25/4/9/28	EJ939494	8	28	1440	132M (IE2)	10.6	19.9	133.33	CD2417	N/A	N/A	IDDXF54-23

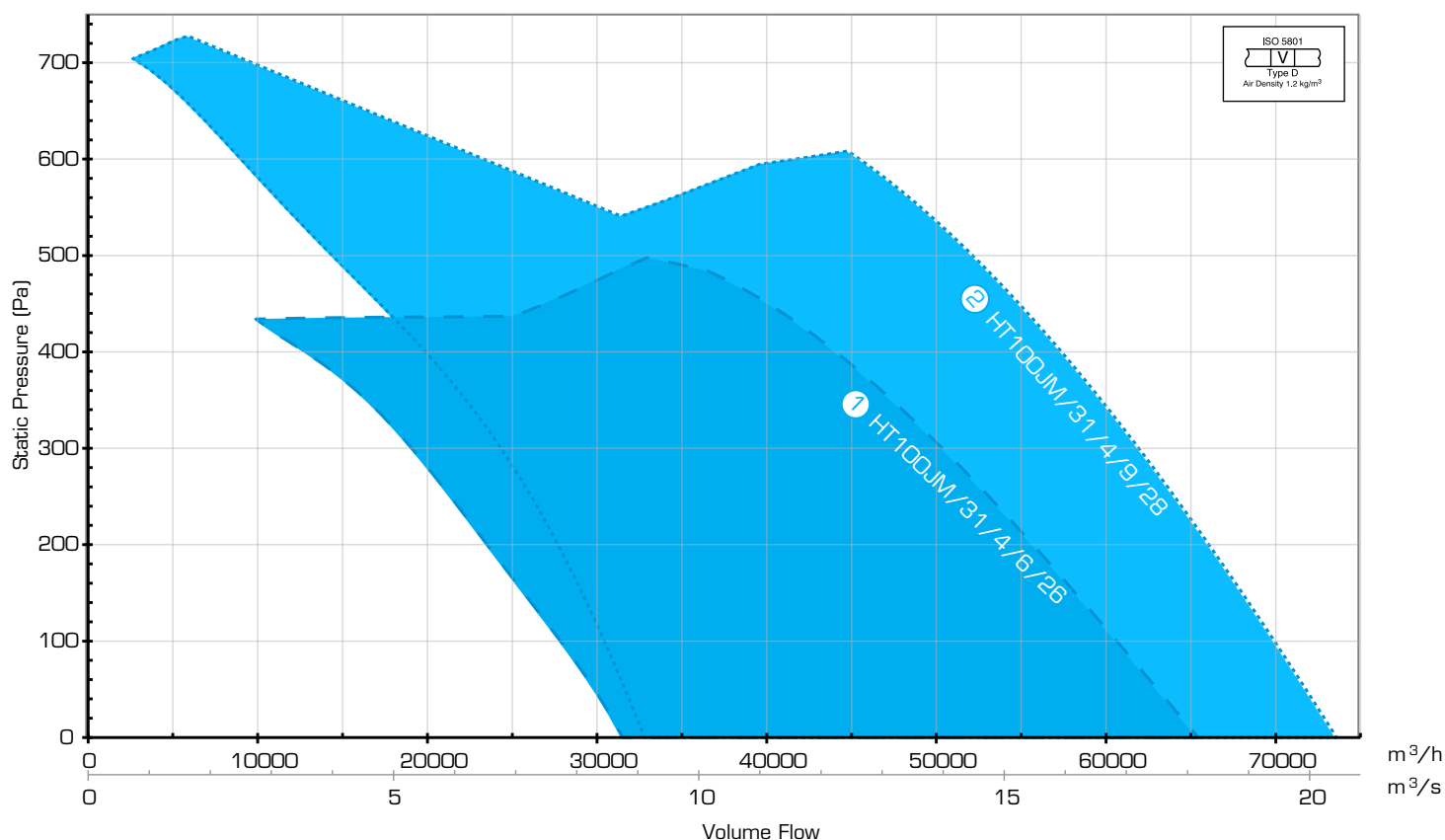
Ref	Product Code	Product Number	Inlet Sound Levels	Efficiency Rating	Target	Grade
1	HT80JM/25/4/9/28	EJ839494	75	54.7	53.4	56
2	HT90JM/25/4/9/28	EJ939494	79	59.6	55.0	59

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.



HTJM Aerofoil Performance and Electrical Data

Performance Chart - 1000 mm, 400°C for 2 hours
380-420v/50Hz/3φ



Performance Table - 1000 mm, 400°C for 2 hours
380-420v/50Hz/3φ

Ref	Product Code	m³/s @ Pa (Static)									
		0	50	100	150	200	250	300	400	500	600
1	HT100JM/31/4/6/26	18.14	17.47	16.8	16.12	15.43	14.71	13.95	12.21		
2	HT100JM/31/4/9/28	20.4	19.9	19.39	18.86	18.31	17.75	17.17	15.9	14.45	12.6

Product, Electrical and ErP Table - 1000 mm, 400°C for 2 hours
380-420v/50Hz/3φ

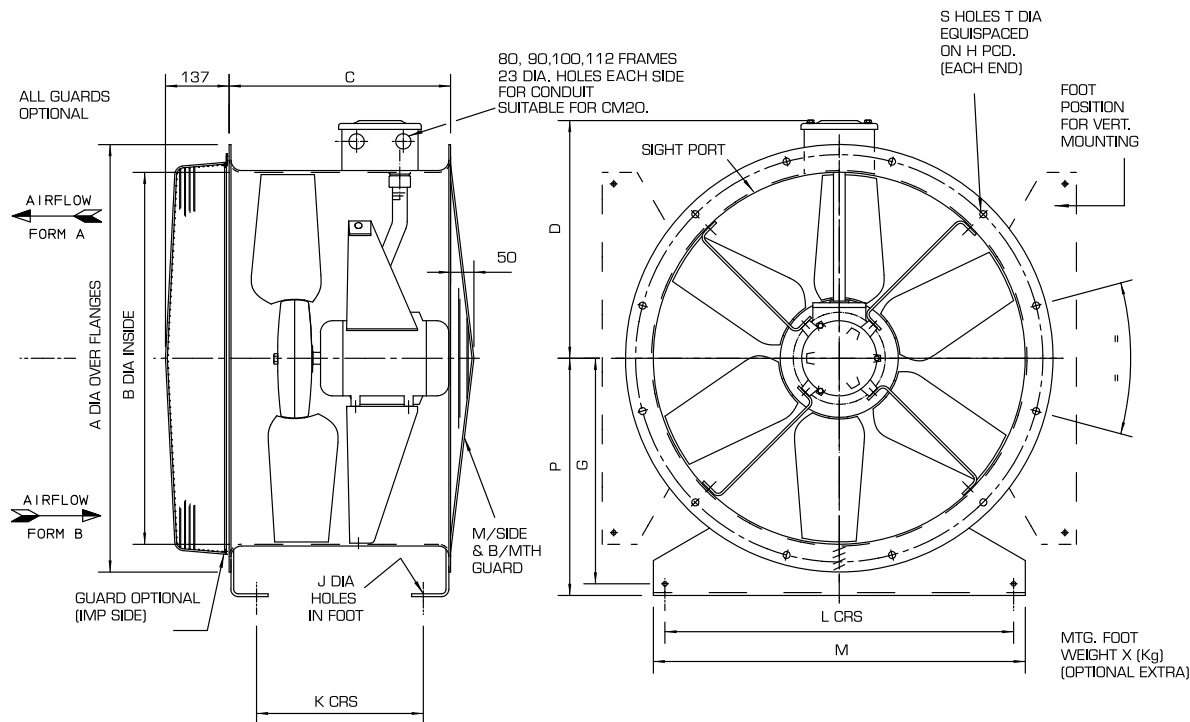
Ref	Product Code	Product Number	Pitch Angle (°)		Speed rev/min	Motor	Rating (kW)	Full Load Current (A)	Starting Current (A)	Wiring Diagram (CD)	Speed Controller		
			Min	Max							Electronic	Transformer	Inverter
1	HT100JM/31/4/6/26	EE139498	8	26	1440	132M (IE2)	10.6	19.9	133.33	CD2417	N/A	N/A	IDDXF54-23
2	HT100JM/31/4/9/28	EE139497	8	28	1440	160L (IE2)	18	34.2	177.94	CD2417	N/A	N/A	IDDXF54-37

Ref	Product Code	Product Number	Inlet Sound Levels	Efficiency Rating	Target	Grade
1	HT100JM/31/4/6/26	EE139498	85	66.1	54.6	66
2	HT100JM/31/4/9/28	EE139497	85	58.6	55.3	58

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.

Drawing - HTJM Aerofoil, 400°C for 2 hours

315-1000 mm

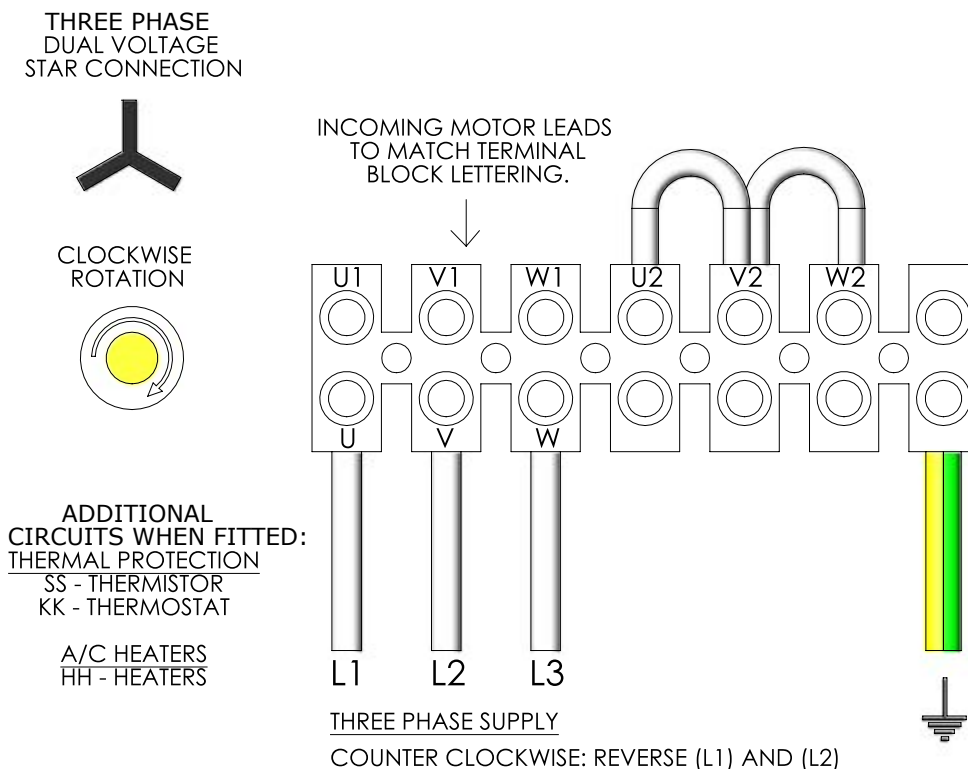


Product Code	Motor	A	B	C	D	G	H	J	K	L	M	P	S	T	X	Weight (kg)
HT31JM/16/2/5/40	80 (IE2)	395	315	375	335	175	355	10	290	265	315	200	8	10	0.8	31
HT35JM/16/2/5/40	80 (IE2)	435	355	375	256	200	395	10	290	305	355	225	8	10	1.1	34
HT40JM/16/2/5/32	80 (IE2)	480	400	375	279	225	450	10	290	350	400	250	8	12	1.2	35
HT40JM/16/4/5/40	80 (IE2)	480	400	375	279	225	450	10	290	350	400	250	8	12	1.2	35
HT45JM/20/4/6/40	80 (IE2)	530	450	375	306	225	500	10	290	400	450	280	8	12	1.5	37
HT50JM/20/4/6/40	80 (IE2)	594	500	375	338	290	560	10	290	450	500	315	12	12	2	39
HT56JM/20/4/6/40	90L (IE2)	654	560	520	368	330	620	10	424	510	560	355	12	12	2.3	55
HT63JM/20/4/6/28	90L (IE2)	724	630	520	403	375	690	10	434	580	630	400	12	12	2.4	61
HT71JM/25/4/9/34	112M (IE2)	804	710	520	443	415	770	10	434	660	710	440	16	12	4.5	95
HT80JM/25/4/9/28	132S (IE2)	894	800	520	480	485	860	12	434	750	800	510	16	12	5.3	166
HT90JM/25/4/9/28	132M (IE2)	1006	900	520	575	491	970	12	440	850	900	518	16	15	5.3	179
HT100JM/31/4/6/26	132M (IE2)	1138	1000	520	625	605	1070	14	440	950	1000	574	16	15	13.2	218
HT100JM/31/4/9/28	160L (IE2)	1138	1000	711	625	605	1070	14	629	950	1000	574	16	15	13.2	335

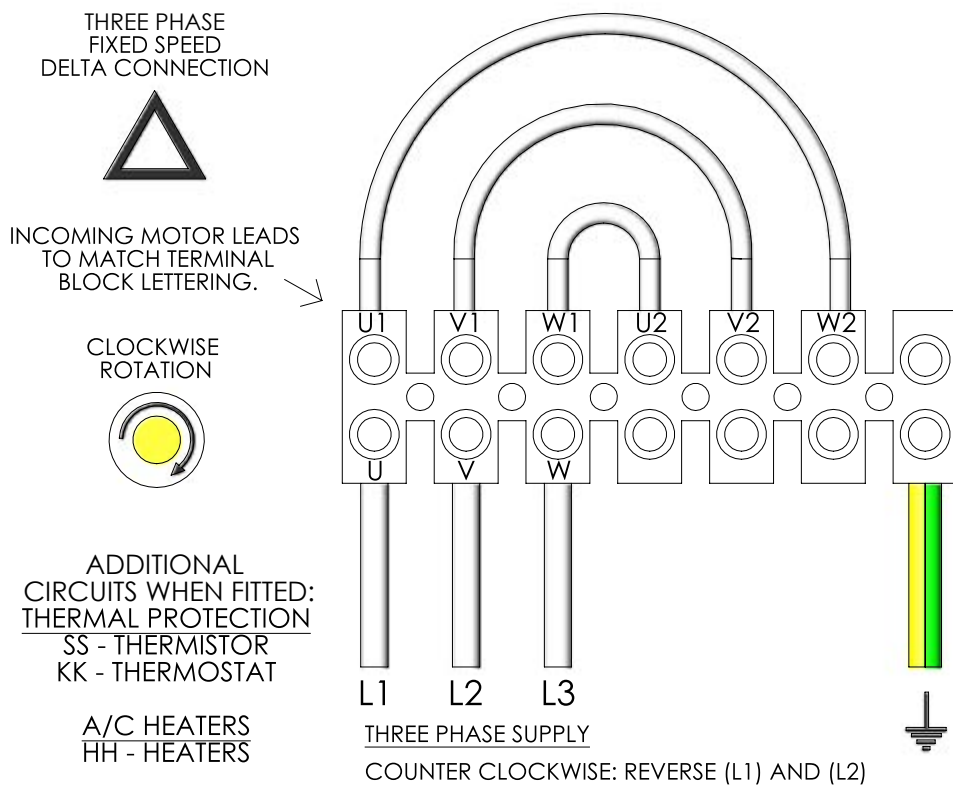
All dimensions in mm

Wiring Diagrams - HTJM Aerofoil

CD2416

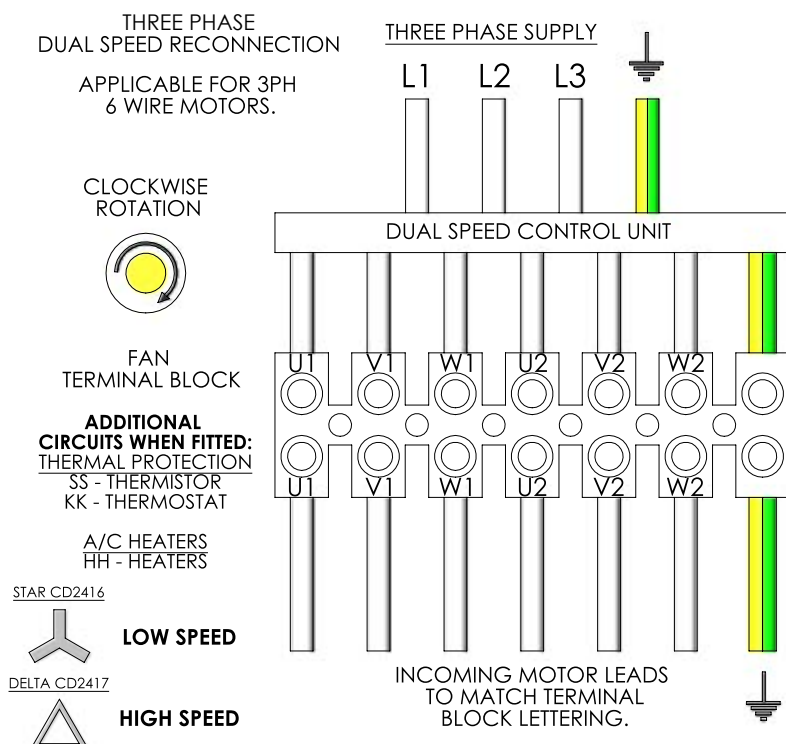


CD2417



Wiring Diagrams - JM Aerofoil

CD2420



CD2423

