



Cased Axial Fan

FWJM



Product Facts

- Air flow up to 3.64 m³/s
- Static pressures up to 300 Pa
- Fans tested to ISO5801 and BS848
- High energy efficiency
- Low installed noise levels
- Motor protection and terminal block IP55
- Larger sizes available please enquire for more information

Electrical Supply

220-240V/50Hz/1ph

Temperature Range

-40°C to 50°C as standard. 50°C to 70°C must be run at full speed only.

Sizes

315, 355, 400, 450, 500, 560, 630

Impellers

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

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.

Motors

Sealed for life bearings lubricated with wide temperature range grease. The BT and CT frames are fitted with overheat protection thermostat as standard. 80-160 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 compliant motors.

Casing

JM Aerofoil fans are available in either a long cased form, complete with an externally mounted pre-wired electrical terminal box, or short cased for duct or plate installation. 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.



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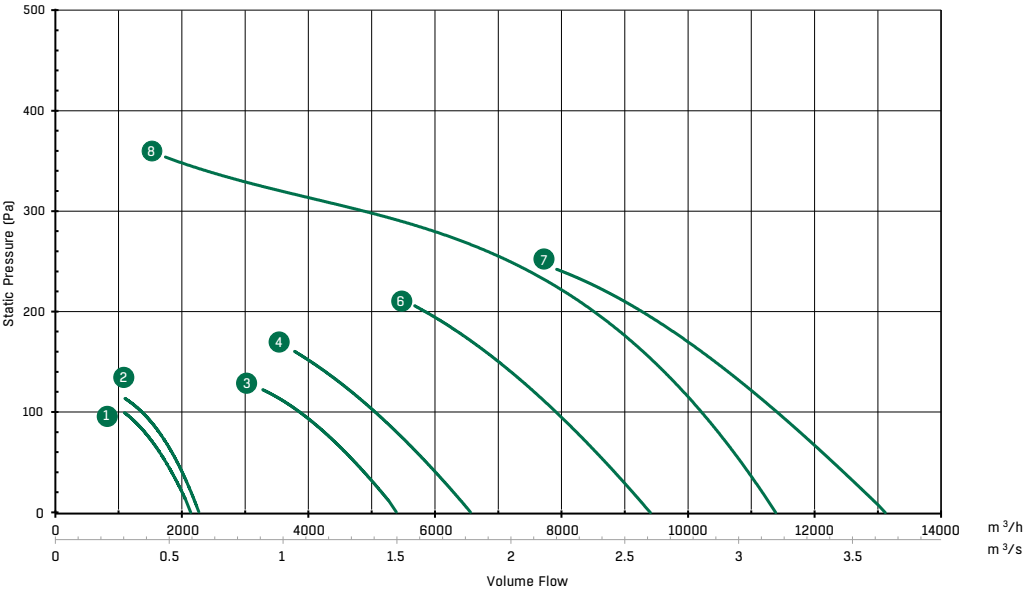
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Performance & Electrical Data



PERFORMANCE TABLE - 315-630MM

Ref	Ref	m³/s @ Pa (Static)						
		0	50	100	150	200	250	300
1	31JM/16/4/5/34	0.59	0.48					
2	35JM/16/4/5/22	0.63	0.53	0.37				
3	40JM/16/4/5/40	1.5	1.31	1.07				
4	45JM/16/4/5/30	1.82	1.62	1.4	1.12			
6	50JM/20/4/6/32	2.61	2.41	2.19	1.94	1.62		
7	56JM/20/4/6/30	3.64	3.41	3.16	2.89	2.57		
8	63JM/20/4/6/16	3.17	3.01	2.82	2.61	2.38	1.99	1.33

PRODUCT AND ELECTRICAL DETAILS - 315-630MM

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
1	31JM/16/4/5/34	EJ321460	28	34	1420	BT5	0.075	0.5	1.45	CD3038	ME1.1	TEID 1
2	35JM/16/4/5/22	EJ361460	18	22	1420	BT5	0.075	0.5	1.45	CD3038	ME1.1	TEID 1
3	40JM/16/4/5/40	EJ411452	34	40	1420	BT9	0.25	1.6	3.45	CD3038	ME1.3	TEID 2.2
4	45JM/16/4/5/30	EJ461466	24	30	1420	BT9	0.32	2.2	5	CD3038	ME1.3	TEID 2.2
6	50JM/20/4/6/32	EJ511466	32	32	1420	CT9	0.68	4.8	11	CD3038	ME1.6	TEID 5
7	56JM/20/4/6/30	DX571459	26	30	1420	CT9	0.97	6.9	13.5	CD3037	ME1.6	TEID 7.5A
8	63JM/20/4/6/16	DX641453	14	16	1420	CT9	0.97	6.9	13.5	CD3037	ME1.6	TEID 7.5A



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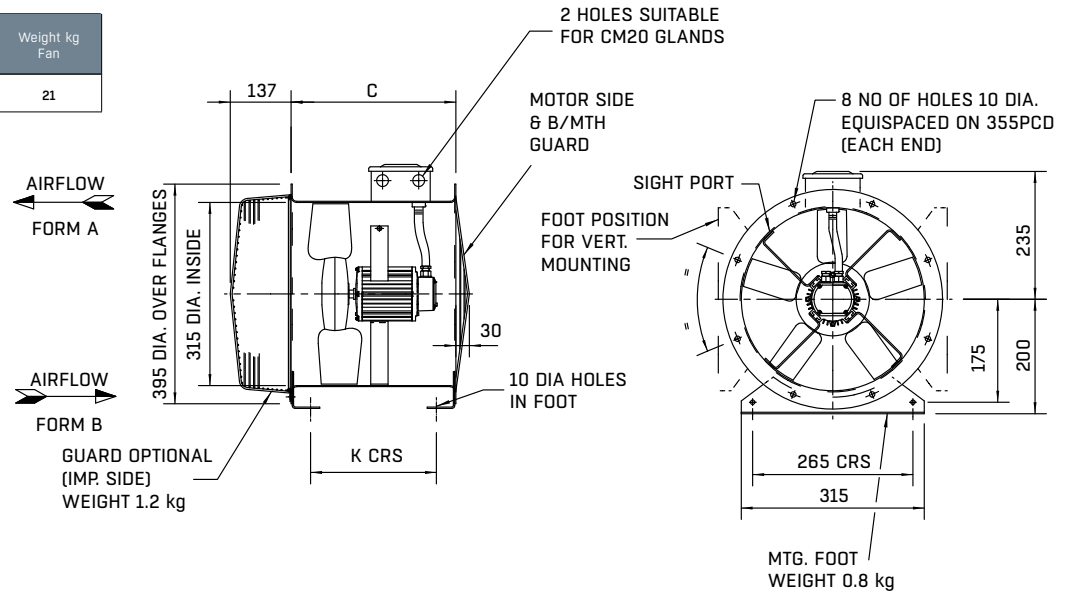


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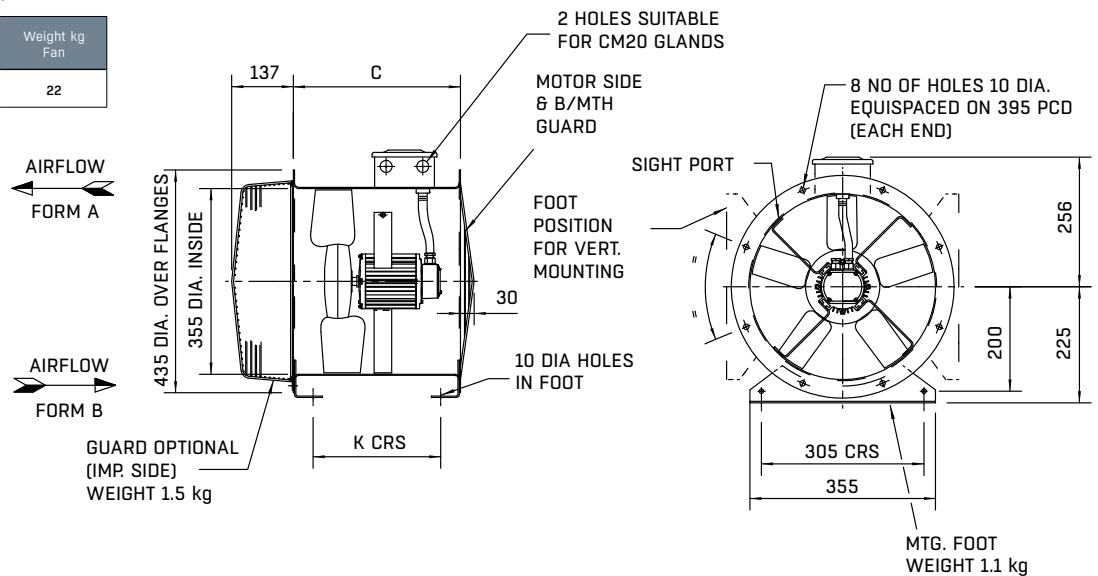
315 MM (EJ321460)

Size	Motor Frame	C	K	Weight kg Fan
315	BT5	330	245	21



355 MM (EJ361460)

Size	Motor Frame	C	K	Weight kg Fan
355	BT5	330	245	22



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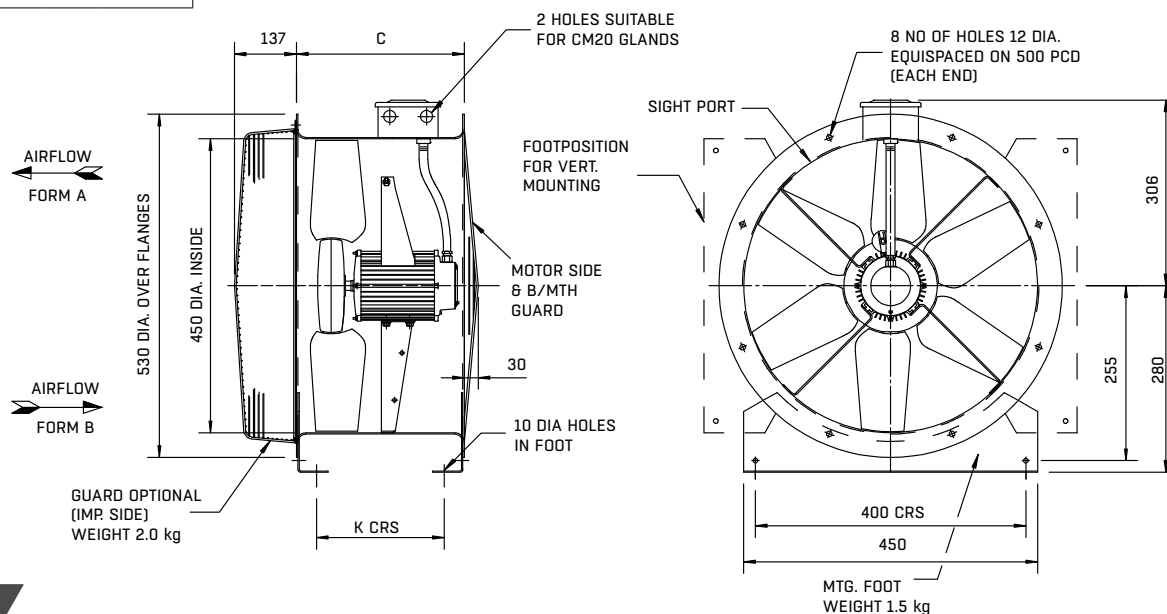
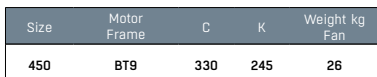
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Size	Motor Frame	C	K	Weight kg Fan
400	BT9	375	290	25



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Part Number	Size	Motor Frame	C	K	Weight kg Fan
EJ511466	500	CT9	330	245	34



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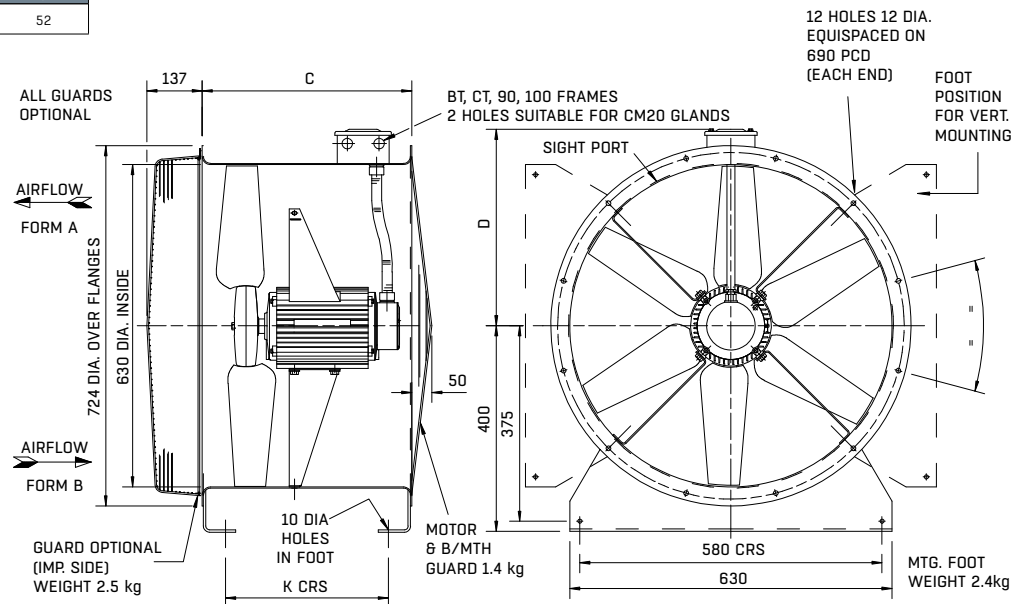


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630 mm (DX641453)

Size	Motor Frame	C	D	K	Weight kg Fan
630	CT9	375	403	290	52



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