

# Belt Drive Axial Fan.

Product datasheet



 **FANQUIP**

# Belt Drive Axial Fan.

Fanquip's Belt Drive Axial Fan has been designed to remove and dispense contaminated air from industrial processes which generate dust, steam, heat or other noxious emissions.

It is specifically designed for high temperatures or highly flammable or corrosive fumes.

The Fanquip Axial Flow Fan is available using adjustable pitch GRP (Glassfiber Reinforced Polypropylene) or cast aluminium airfoil impellers. The drum is manufactured of 3mm mild steel with a hot dip galvanized finish. The units are fitted with single-phase 240V or three-phase 415V heavy-duty motors of rugged construction, which incorporate sealed ball bearings to reduce operating noise. Long-life bearings reduce levels of mechanical wear, and the models have a removable belt tube inspection plate giving ready access, easy cleaning and servicing of the bearing drive assembly.

## Key features.



- ✓ Heavy industrial rolled steel casing
- ✓ Hot dip galvanised finish
- ✓ IP55 Motor
- ✓ Aerodynamic belt tube with
- ✓ inspection plate
- ✓ External grease points
- ✓ GRP adjustable pitch blades

## Applications.

The Belt Drive Axial Fan has an extensive range of applications.

### Installation locations.

- ✓ Building and Construction
- ✓ Food Processing
- ✓ Manufacturing
- ✓ Mining and Metals
- ✓ Oil and Gas
- ✓ Smelters and Refineries

### Extraction applications.

- ✓ Fumes
- ✓ Contaminated air
- ✓ Heat
- ✓ Steam



## Options.

- Aluminium or stainless steel casings
- Powder coated finish
- Aluminium adjustable pitch blades
- Straightening vanes
- Smoke spill rated
- Hazardous location rated - Exe, Exd, ExnA, Extd
- IP56 or IP66 motor
- Inlet and outlet finger guards

## Technical advice.

Fanquip have technical consultants to provide guidance on the specifications required to suit your Belt Drive Axial Fan use and application.

## Warranty.

Twelve-month guarantee on the mechanical and electrical componentry subject to satisfactory maintenance with assessment and rectification, if any, to take place after return by the customer to Fanquip's workshop. Extended warranty options available on request.

## Installation & maintenance.

The necessary procedures are outlined in the Fanquip installation, operation and maintenance instructions. These should be followed to ensure satisfactory performance and service life.

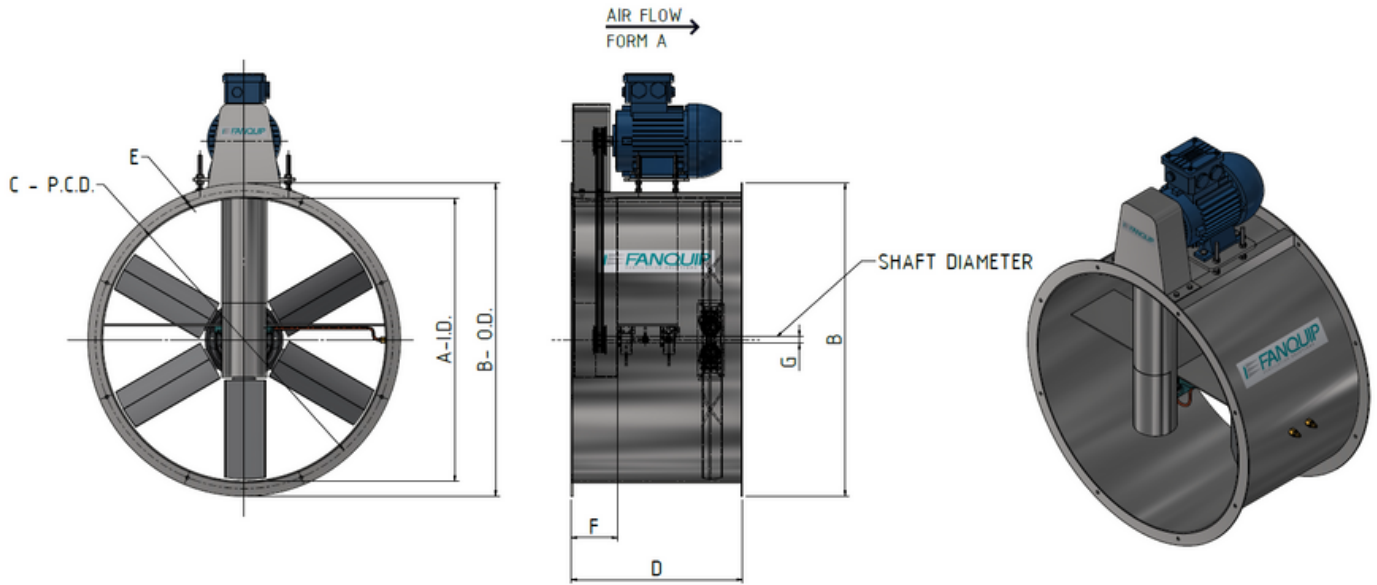
# Belt Drive Axial Flow Fan.

## Product specifications.

Model no.	Fan diameter (mm)	Motor speed (RPM)	Motor power (kW)	Voltage (V)	Full load amps (A)	Free air volume (L/S)	Noise* (dBA@3m)	Weight (kg)
12-30241	300	1440	0.55	240	3.80	654	48	20
12-30243	300	1440	0.55	415	1.63	654	48	20
12-30481	300	2880	0.75	240	4.40	1397	62	20
12-30483	300	2880	0.75	415	1.76	1397	62	20
12-40241	400	1440	0.75	240	4.50	1500	50	30
12-40243	400	1440	0.75	415	1.94	1500	50	30
12-40481	400	2880	1.50	240	8.10	2576	65	30
12-40483	400	2880	1.50	415	3.20	2576	65	30
12-50241	500	1440	1.10	240	4.80	2459	60	50
12-50243	500	1440	1.10	415	1.94	2459	60	50
12-60161	600	960	0.75	240	3.35	3274	61	65
12-60163	600	960	0.75	415	1.85	3274	61	65
12-60241	600	1440	1.50	240	8.70	4416	69	65
12-60243	600	1440	1.50	415	3.40	4416	69	65
12-70163	700	960	1.50	415	3.00	5216	61	76
12-70243	700	1440	2.20	415	4.60	5520	70	76
12-80123	800	720	0.75	415	2.20	5679	59	85
12-80163	800	960	1.50	415	3.70	7073	65	85
12-80243	800	1440	4.00	415	8.20	9228	74	100
12-10163	1000	960	3.00	415	6.40	11600	68	120
12-12123	1200	720	4.00	415	7.80	16600	69	150
12-15163	1500	960	7.50	415	12.40	25500	78	180

\*Noise level is free field and indicative and should only be used to indicate relative values as actual figures depend on the fan and relevant field conditions.

# Belt Drive Axial Flow Fan.




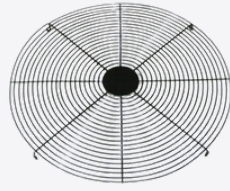





**Product dimensions.**

Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	No. of E	F (mm)	G (mm)
300	310	380	345	400	8	6	102	25
400	410	480	445	410	8	6	102	25
500	510	580	545	510	8	6	102	25
600	610	695	656	610	8	8	150	25
700	710	795	756	610	8	8	150	28
800	810	910	866	610	10	8	150	28
900	910	1010	965	610	10	8	150	30
1000	1010	1115	1065	810	12	8	150	30
1100	1115	1215	1170	810	12	8	150	40
1200	1220	1325	1276	810	12	12	150	40
1500	1525	1630	1575	910	12	12	150	50

\*All sizes shown are standard. Subject to change without notice.

# Direct Drive Axial Flow Fan.

Accessories.	
Accessory	Specifications
<p>Mounting Feet</p> 	<ul style="list-style-type: none"> <li>✓ Mounting feet for Direct and Belt Drive Axial Fans.</li> <li>✓ Hot dip galvanised finish</li> </ul>
<p>Angle Ring</p> 	<ul style="list-style-type: none"> <li>✓ Standard angle rings act as a structural support as part of the fan housing, while also functioning as a joining point for ducting.</li> <li>✓ Hot dip galvanised finish</li> </ul>
<p>Inlet Cone</p> 	<ul style="list-style-type: none"> <li>✓ Inlet cones optimise fan performance and minimise noise.</li> <li>✓ Hot dip galvanised finish</li> </ul>
<p>Finger Guards</p> 	<ul style="list-style-type: none"> <li>✓ Fan guards are available for any of our circular fans, and stop foreign objects from entering the fan. Complies to Australian Standards of safety requirements.</li> <li>✓ Painted finish</li> </ul>
<p>Isolation Mounts</p> 	<ul style="list-style-type: none"> <li>✓ High isolation efficiency, with rubber, spring and seismic mounts to prevent equipment vibration.</li> </ul>
<p>Silencers</p> 	<ul style="list-style-type: none"> <li>✓ Available in a range of designs including rectangular, circular, elbows and louvres. A range of different sizes to suit application are available.</li> </ul>
<p>Variable Speed Drives</p> 	<ul style="list-style-type: none"> <li>✓ 3 phase or single phase input. IP20 or IP66 and EMC compliant. User friendly interface.</li> </ul>

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