

Vertical Discharge Roof Fan.

Product datasheet

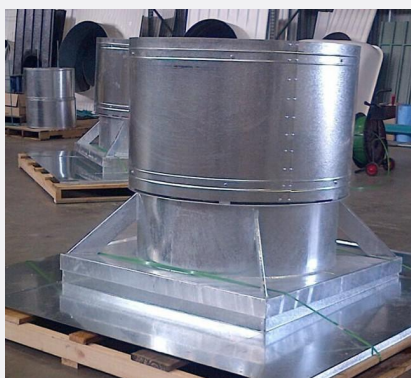


Vertical Discharge Roof Fan.

The Fanquip Vertical Discharge Roof Fans are a heavy duty, weatherproof roof exhaust fan designed for the vertical exhaust of heat, steam, dust, smoke and explosive gases in a wide range of commercial and industrial applications. They are especially suited for situations requiring the air to be discharged high above the roof line.

The Fanquip Vertical Discharge Roof Fan is available using adjustable pitch GRP (Glassfiber Reinforced Polypropylene) or cast aluminium airfoil impellers. The casing is fully welded mild steel construction with a hot dip galvanised finish. A weatherproof butterfly damper is attached to the fan to prevent rain ingress. 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. There is a comprehensive range available with fan diameters ranging from 300mm to 1500mm.

Key features.



- ✓ Vertical discharge of airflow
- ✓ Hot dip galvanised casing
- ✓ Butterfly damper to prevent rain ingress
- ✓ IP55 motor
- ✓ GRP adjustable pitch blades
- ✓ External junction box
- ✓ 700mm lead, no plug

Applications.

The Vertical Discharge Roof Fan has an extensive range of applications.

Installation locations.

- ✓ Factories
- ✓ Hospitals
- ✓ Office buildings
- ✓ Warehouses
- ✓ Manufacturing
- ✓ Processing plants

Extraction applications.

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



Options.

- Aluminium adjustable pitch blades
- Aluminium or stainless steel casings
- Belt driven or bifurcated design
- Hazardous location rated – Exe, Exd, ExnA, Extd
- IP56 or IP66 motor
- Smoke spill rated
- Upstand for fan mounting

Technical advice.

Fanquip have technical consultants to provide guidance on the specifications required to suit your Vertical Discharge Roof 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.

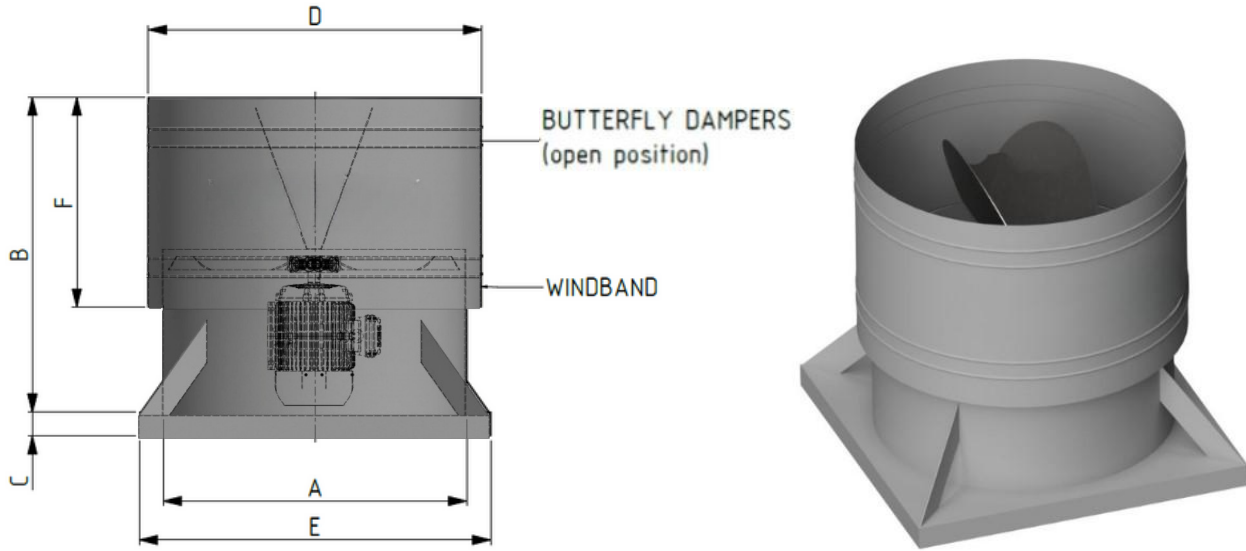
The necessary procedures are outlined in the Fanquip installation, operation and maintenance instructions. These should be followed to ensure satisfactory performance and service life.

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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)
3-30241	300	1440	0.37	240	2.40	600	48	30
3-30243	300	1440	0.37	415	1.03	600	48	30
3-30481	300	2880	0.55	240	3.30	1100	62	30
3-30483	300	2880	0.55	415	1.40	1100	62	30
3-40241	400	1440	0.55	240	3.80	1480	50	36
3-40243	400	1440	0.55	415	1.63	1480	50	36
3-50241	500	1440	0.75	240	4.80	2350	60	62
3-50243	500	1440	0.75	415	1.94	2350	60	62
3-60161	600	960	0.37	240	2.60	3010	60	75
3-60163	600	960	0.37	415	1.32	3010	60	75
3-60241	600	1440	1.1	240	6.60	4300	68	75
3-60243	600	1440	1.1	415	2.60	4300	68	75
3-80123	800	720	0.55	415	2.10	5400	59	100
3-80163	800	960	1.1	415	3.00	6800	65	100
3-10123	1000	720	1.5	415	4.20	10000	63	150
3-12123	1200	720	2.2	415	6.00	14000	69	180
3-15123	1500	720	3.0	415	7.80	19000	72	260

*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.

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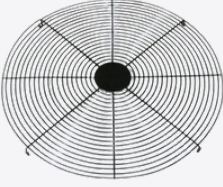

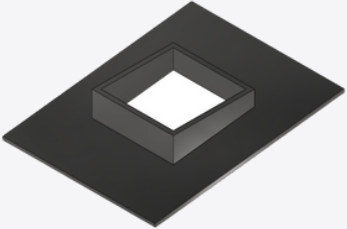


Product dimensions.

Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
300	310	500	60	410	430	300
400	410	500	60	510	540	300
500	510	600	75	610	650	400
600	610	600	75	710	760	400
700	710	750	75	810	900	500
800	810	750	75	910	1060	500
900	910	950	75	1010	1160	600
1000	1010	1050	80	1110	1260	700
1100	1120	1110	100	1210	1360	700
1200	1220	1150	100	1300	1460	800
1500	1520	1300	100	1610	1760	900

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

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Accessories.	
Accessory	Specifications
Finger Guards 	<ul style="list-style-type: none">✓ 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.✓ Painted finish.
Variable Speed Drives 	<ul style="list-style-type: none">✓ 3 phase or single phase input. IP20 or IP66 and EMC compliant. User friendly interface.
Mounting Upstands 	<ul style="list-style-type: none">✓ Pre-fabricated roof mounting upstand for Fanquip roof fans.✓ Galvanised sheet metal construction.✓ Available to suit all metal roof profiles and pitch angles.

