MAXIDRIVE™



AQC SOURCE CAPTURE EQUIPMENT

EXHAUST FAN





- Direct drive 3450 R.P.M.
- Backward inclined spark proof aluminum impeller
- Inlet cone for maximum vacuum
- Interior or exterior installation
- Rugged painted steel construction
- Inlet guard protective mesh (optional)

Superior technology generating substantial operating savings

AQC DUST COLLECTING SYSTEMS

MAXIDRIVE™

High-Productivity Innovative Products

Direct drive exhaust fan

Manufactured with backward inclined aluminium blades, MAXIDRIVE fans are designed to extract smoke, vapor and light dust away from the worker's breathing zone. The rugged steel housing with aluminum impeller assures a non-sparking design. MAXIDRIVE can also be mounted directly with MAXAIR fume arms, MAXIREACH extension booms or MAXIREEL hose reels.

A Leading-Edge, High-Performance Company

The AQC Dust manufacturer fabricates a full range of safe, industrial dust collectors, as well as dust and smoke capture equipment and high pressure industrial dampers at the leading edge of air control technologies based on more than 30 years of experience in the field.

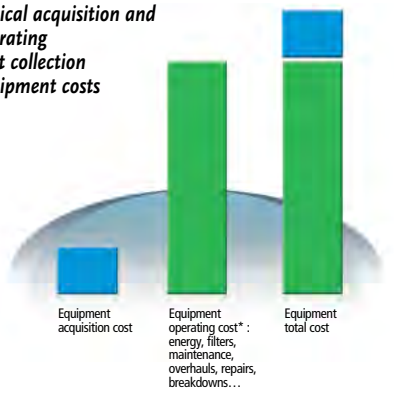
AQC's strength lies in its innovative products designed and developed to generate substantial savings throughout their entire operating life.

AQC is renowned for its technological innovation, safe and sophisticated equipment design, as well as its robust and precise product manufacturing. AQC stands out with its unique design of the baffles inside dust collectors making filter cleaning easy and a cartridge holder design that provides maximum filter surface, which enhances filter performance. The ultra-smooth concept inside AQC fume arms makes them maintenance-free and the durability of the heavy duty industrial dampers exceed expectations.

In short, AQC equipment is designed and built to generate substantial operating savings in terms of time, money and energy. This translates to major reductions in operating costs – from 10 to 20% – throughout the equipment's operating life. This scale of savings can represent a significant portion of the equipment's total purchase price. Companies looking to maximize their profitability should factor in these savings when purchasing equipment.

The unique design and manufacturing of AQC equipment generates significant savings for various reasons :

- Substantial increase in the duration of filters.
- Lower energy consumption during years of use.
- Significantly less maintenance (easy to clean, robust manufacturing, a minimum number of more reliable and durable parts).
- Reduced operating costs (less frequent overhauls, lack of or minimum down time, etc.).
- Lower administrative costs (coordination, follow-ups, supervision) due to much less frequent breakdowns.
- Safe design can prevent serious or even fatal accidents.
- Increased comfort and productivity of personnel.

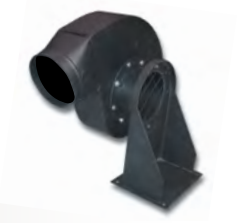


The acquisition cost is just one part of the equation. It's the total cost including the operating cost ***throughout the life cycle of the equipment*** that must be kept low. This is what AQC delivers. The advanced technology, design, robustness, durability and safety of AQC products generate major savings during the equipment's entire life cycle.

MAXIDRIVE THE RIGHT FAN FOR SOURCE EXTRACTION

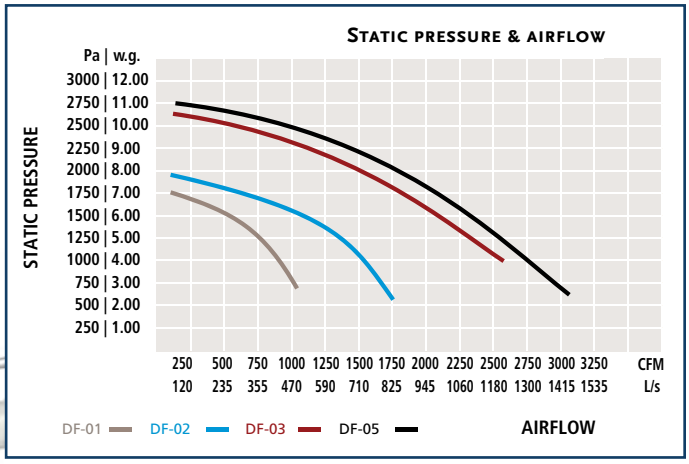
Powerful, rugged and maintenance free!

- Multipurpose for source capture
- 3450 RPM direct drive design with T.E.F.C motors
- Aluminum backward inclined impeller with steel housing for a spark-proof design
- Adjustable air discharge orientation
- Powder coat painted housing
- Inlet cone for maximum suction
- Inlet wide mesh protective screen



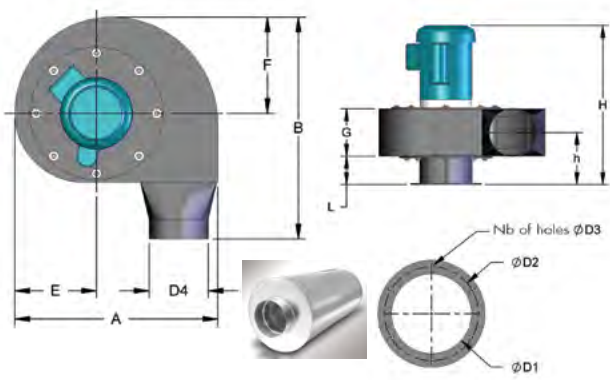
TYPICAL APPLICATIONS FOR MAXIDRIVE EXTRACTOR FAN





Note: Explosion proof motors are not available in all voltages. Contact AQC or representative for availability.

MAXIDRIVE FANS (3450 RPM)



Amperage draw

CHART 1

Model	Voltage	Amperage	Model	Voltage	Amperage
DF-01	115-1-60	12	DF-03	115-1-60	N/A
	230-1-60	6.5		230-1-60	17
	208-3-60	3.1		208-3-60	9.6
	460-3-60	1.6		460-3-60	4.8
	575-3-60	1.4		575-3-60	3.9
DF-02	115-1-60	24	DF-05	115-1-60	N/A
	230-1-60	12		230-1-60	28
	208-3-60	6.8		208-3-60	15.2
	460-3-60	3.4		460-3-60	7.6
	575-3-60	2.7		575-3-60	6.1

Note: Optional outlet silencer reduces dB level by 10 to 25 % depending on model. MAXIDRIVE direct drive fans are designed for high oulet velocity. The use of silencer may be required in some applications. Contact factory or representative for details and specifications.

Fan dimensions

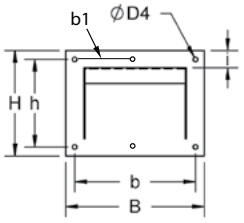
CHART 2

Model	Power HP	Dimensions in/mm													Weight lbs/kg
		A	B	E	F	H	L	G	h	d1	d2	d3	d4	Nb	
DF-01	1/0.75	20.1/510	22.7/577	8.2/208	9.8/249	21.25/540	4.5/114	5.9/150	7.5/191	6.2/157	7.69/195	0.38/10	5.9/150	6	70/31.8
DF-02	2/1.50	22.5/572	24.8/630	9.2/234	11/279	24.8/630	4.9/124	6.3/160	7.8/198	8.19/208	9.69/246	0.38/10	7.88/200	8	82/37.2
DF-03	3/2.25	25.6/650	27.3/693	10.4/264	12.5/318	25.4/645	4.9/124	6.9/175	8.4/213	N/A	N/A	N/A	10/254	8	96/43.6
DF-05	5/3.55	25.6/650	27.3/693	10.4/264	12.5/318	27.3/693	4.9/124	7.8/198	8.8/224	N/A	N/A	N/A	12/304	8	166/75.3

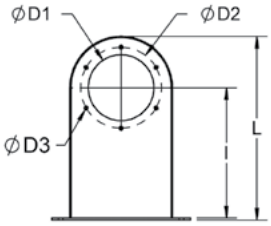
Note 1: MAXIDRIVE fans are available in clockwise configuration only.
Note 2: Aluminum impeller is standard, optional steel impellers with high temperature and chemical resistant paint are available.

MAXIDRIVE FAN SUPPORT BRACKET DIMENSIONS

Wall mount bracket

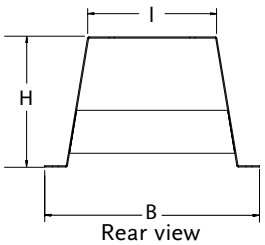


Rear view

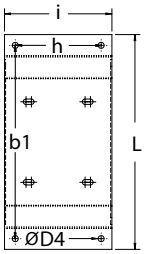


Top view

Roof top mount bracket



Rear view



Top view

Bracket dimensions

CHART 3

Model	HP	Dimensions in/mm													Weight lbs/kg
		D1	D2	Nb	D3	D4	L	l	H	h	B	b	b1	i	
WBF-006	1	6.25/159	7.69/195	6	0.28/7	0.43/11	17.44/443	12.38/314	10/254	8.31/211	13.19/335	11.5/292	5.75/146	N/A	11/5
WBF-008	2	8/203	9.69/246	8	0.35/9	0.43/11	22.44/570	15.25/387	11.88/302	9.75/248	15.5/394	13.63/346	6.75/171	N/A	13/5.9
DF-03-SUPP	1-2-3	N/A	N/A	4	N/A	0.56/14	16/406	7.77/197	10.10/257	6.50/165	8/203	N/A	14/356	8/203	12/5.4
DF-05-SUPP	5	N/A	N/A	4	N/A	0.56/14	20/508	11.77/299	12.10/307	8/203	10/254	N/A	18/457	10/254	16/7.2

YOUR MAXIDRIVE EXHAUST FAN SPECIFICATION

1. Fan has the following components:

11 and 14 gauge powder coat painted steel housing and backward inclined aluminum impeller, wide mesh protective screen at inlet, adjustable fan orientation discharge, direct drive 3450 R.P.M., TEFC motor.

2. Fan model:

- a) DF-01 (1 H.P.) ☐
- b) DF-02 (2 H.P.) ☐
- c) DF-03 (3 H.P.) ☐
- d) DF-05 (5 H.P.) ☐

3. Voltage:

115/1/60 ☐ 208/3/60 ☐
230/1/60 ☐ 460/3/60 ☐
575/3/60 ☐

4. Fan model:

- a) Powder coat painted steel impeller for temperatures up to 250 °F/121 °C ☐
- b) Fan to be included with wall/column support bracket ☐
- c) Fan to be included with roof support bracket ☐
- d) Motor cover for exterior installation ☐
- e) Outlet silencer ☐
- f) Fan starter with overload protection ☐
- g) Bolted flanged inlet for direct mount to MAXAIR fume arm, MAXIREEL hose reel or MAXIREACH extension swing boom (1 and 2 HP only) ☐
- h) Slip fit inlet for ducting or flexible hose connection ☐

Note: Specifications listed above may be modified to suit application. Contact AQC or representative for information.

Your AQC representative is:

AQC DUST COLLECTING SYSTEMS

660 rue de la Sablière, Bois-des-Filion (Québec) Canada J6Z 4T7
Phone. : **1-866-629-4356** • Fax : (450) 621-6677
Web site : www.aqcdust.com • e-mail : info@aqcdust.com

Copyright©AQC Inc.
MAXIDRIVE-EN 2021
Printed in Canada

Continuous product improvement is a policy of AQC Inc. Product features and specifications may be modified without prior notice.