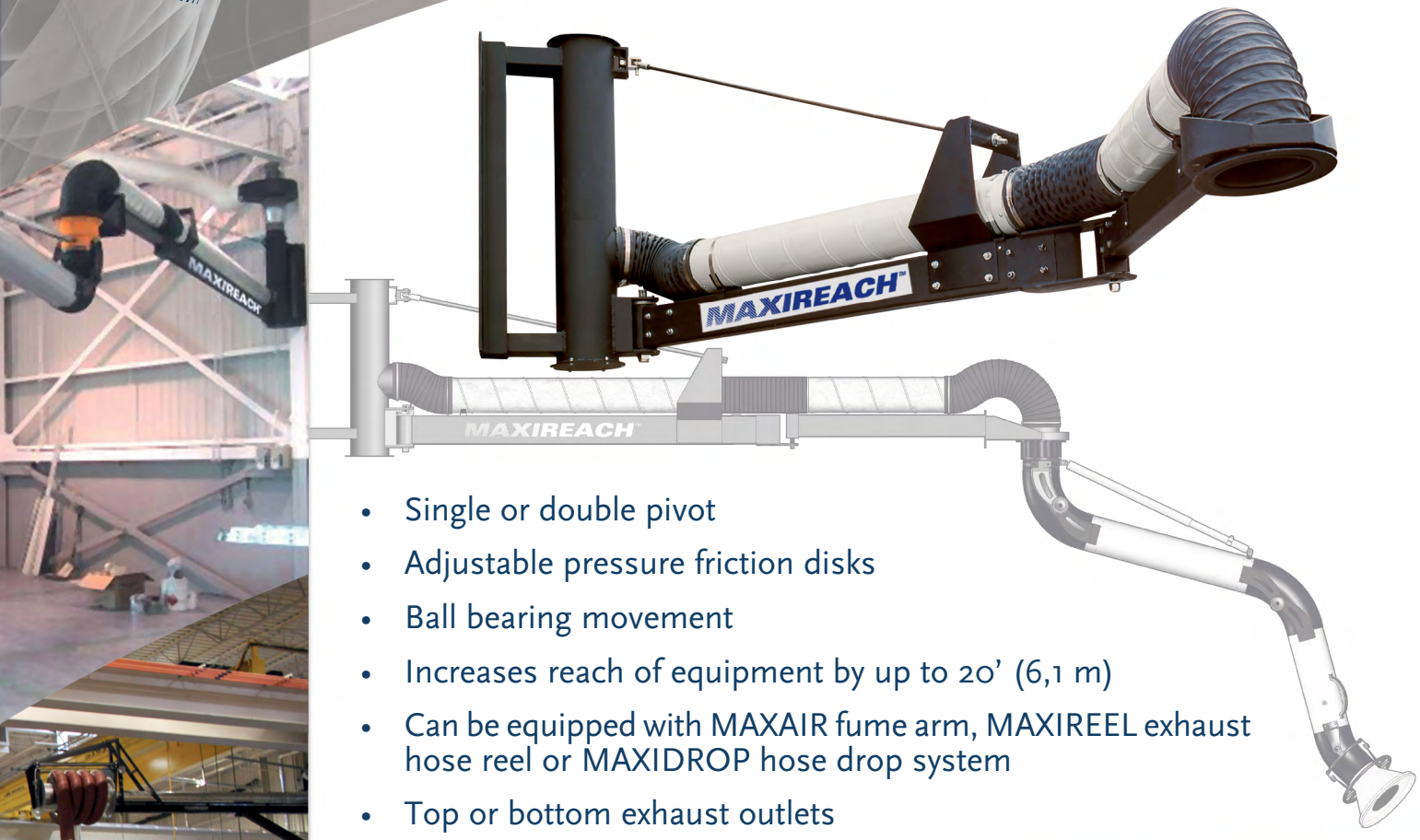
MAXIREACH™

AQC SOURCE CAPTURE EQUIPMENT

PIVOTING EXTENSION BOOM



- Single or double pivot
- Adjustable pressure friction disks
- Ball bearing movement
- Increases reach of equipment by up to 20’ (6,1 m)
- Can be equipped with MAXAIR fume arm, MAXIREEL exhaust hose reel or MAXIDROP hose drop system
- Top or bottom exhaust outlets
- Two diameters available

Superior technology generating substantial operating savings

AQC
DUST COLLECTION & SOURCE CAPTURE

MAXIREACH™

High-Productivity Innovative Products

Extension pivot boom

MAXIREACH pivoting extension booms are designed to increase the area of reach for source capture products such as the MAXAIR self supporting fume arms and vehicle exhaust equipments such as MAXIREEL hose reels or MAXIDROP hose drops. The extension booms help reach points which are distant from a wall or other mounting areas. Extension booms can also be used to support items such as welding wire feeders or to undersling hoses or cables in conjunction with their primary function. The swivel section of the extension boom is made of rolled steel pipes. The top and bottom of the pipe are adapted for a MAXIDRIVE fan or flanged duct connection. The extension beams are manufactured of heavy gauge steel tubing with a bearing swivel. The spiral ducting mounted along the beam has a diameter of 6" (152 mm) or 8" (203 mm). Standard units are supplied with brackets for mounting fume arms or hose drops. Double pivot type extension booms are divided by a bearing hinge which allows the user to reach back under the extension boom.

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.

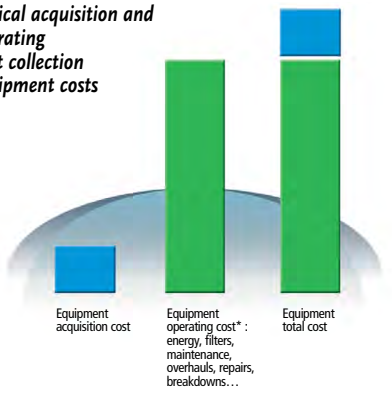
AQC's strength lies in its innovative products designed and developed to generate substantial savings throughout their entire operating life.

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

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.



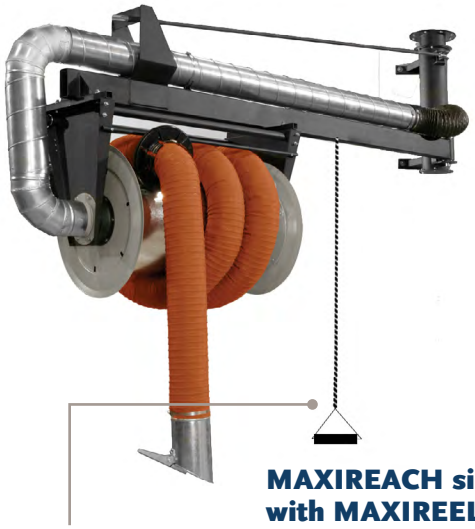
The acquisition cost is just one part of the equation. It's the total cost including the operating cost ***throughout the life cycle of the equipment*** that must be kept low. This is what AQC delivers. The advanced technology, design, robustness, durability and safety of AQC products generate major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

MAXIREACH WHEN EXTENDED REACH IS A MUST

A great complement to MAXAIR fume arms, MAXIREEL exhaust hose reels or MAXIDROP hose drops

- Completely self-supported
- Ball bearing movement for ease of usage (2nd pivot)
- Choice of two diameters: 6" (152 mm) or 8" (203 mm) and lengths up to 20' (6,1 m)
- Single or double pivot for multiple applications
- Smooth tube design results in lower static pressure
- Robust and heavy gauge steel construction (powder painted)

TYPICAL APPLICATIONS FOR MAXIREACH EXTENSION BOOMS



MAXIREACH single pivot boom with MAXIREEL exhaust hose reel

MAXIREACH double pivot boom with MAXAIR fume arm

Boom lateral positioning cable and handle kit (optional)

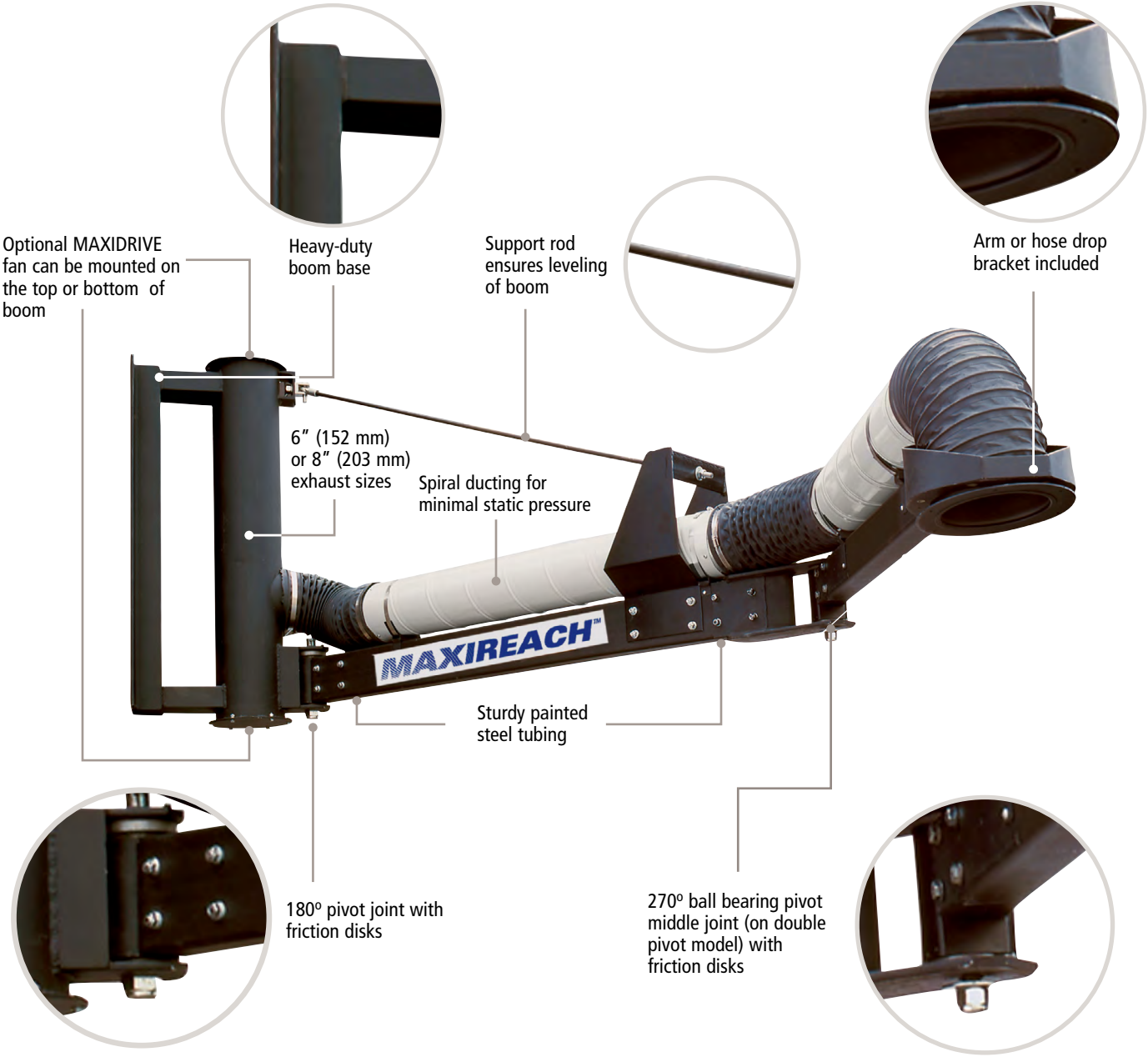
MAXIREACH double pivot with MAXIDROP hose drop kit

MAXIREACH equipped with MAXIDRIVE fan

MULTIPLE POSSIBILITIES FOR VARIOUS APPLICATIONS

- Large welding shops • Truck maintenance • Dust and smoke exhaust

OUTSTANDING MAXIREACH FEATURES

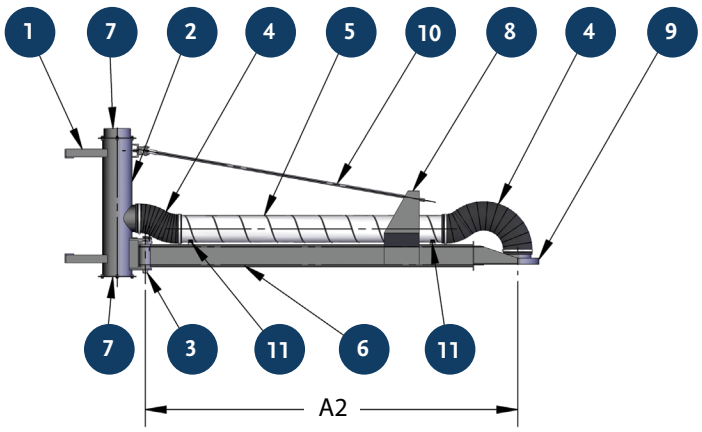


DESCRIPTION

MAXIREACH extension swing booms are made of steel with single or double pivot joint. Friction disks at the joints ensure no steel parts rub against each other causing premature wear. The second pivot works on a ball bearing assembly. The spiral ducting of 6" (152 mm) or 8" (203 mm) is mounted on saddles, minimizing static pressure and air pressure loss. Different lengths up to 20' (6.1 m) are available (refer to page 7). The support rod attached between the boom's base and rod bracket ensures proper leveling of MAXIREACH boom. Flexible hoses at joints are clamped to spiral ducting. Flexible hoses with high temperature tolerances of up to 250 °F (121 °C) are available. The end of the boom is equipped with a support bracket for the MAXAIR fume arm or the MAXIDROP hose drop system for vehicle fume exhaust. A custom support bracket can be installed at the end of the single pivot boom for MAXIREEL exhaust hose reel.

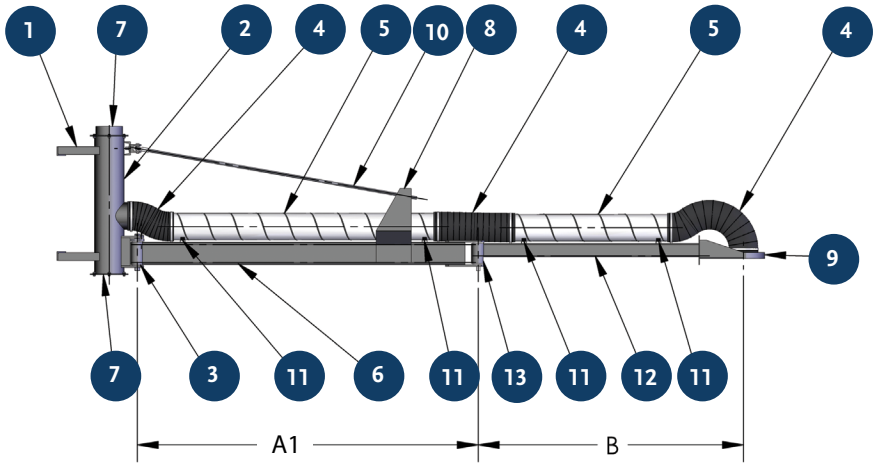
Note : Installation must be made according to local building codes and regulations.

MAXIREACH MAIN COMPONENTS



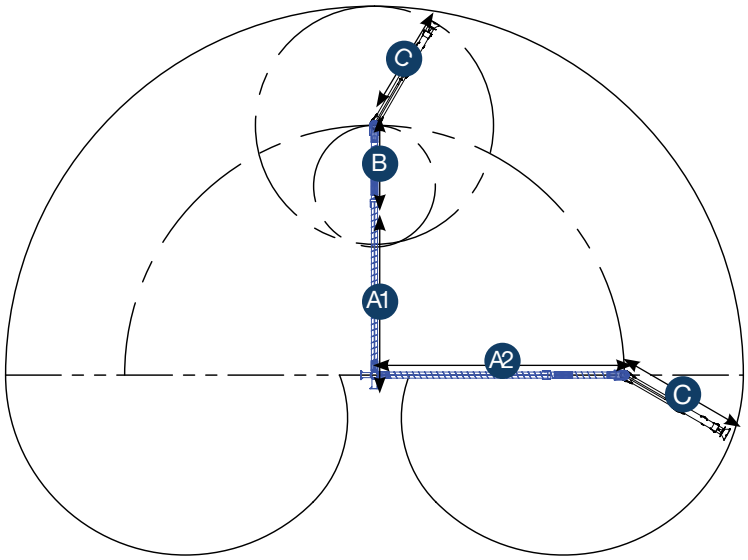
MAXIREACH components — single pivot model

1. Boom base and support bracket
2. Main exhaust pipe (top or bottom exhaust)
3. Bushing pivot joint
4. Flexible hose with clamps
5. Spiral exhaust duct
6. Primary support steel beam
7. Companion flange for exhaust (end cap included)
8. Rod bracket
9. Arm or hose drop bracket
10. Support rod
11. Duct saddles



MAXIREACH components — double pivot model

1. Boom base and support bracket
2. Main exhaust pipe (top or bottom exhaust)
3. Bushing pivot joint
4. Flexible hose with clamps
5. Spiral exhaust duct
6. Primary support steel beam
7. Companion flange for exhaust (end cap included)
8. Rod bracket
9. Arm or hose drop bracket
10. Support rod
11. Duct saddles
12. Secondary support beam
13. Ball bearing pivot joint



Maximum reache — double pivot with Maxair fume arm

A1. 15' (4.60 m)
B. 5' (1.52 m)
C. 11.2' (3.40 m)

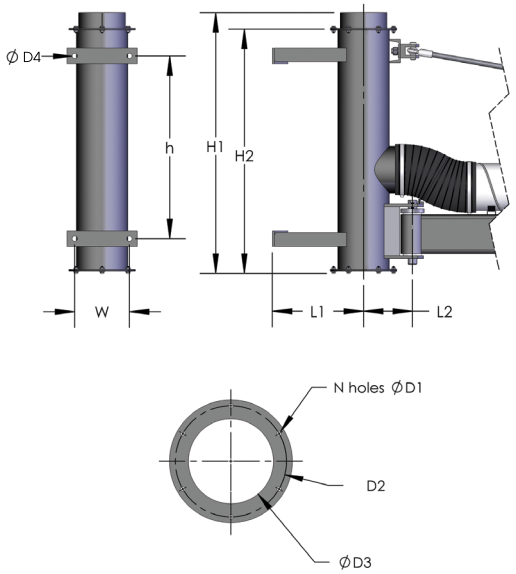
Maximum reache — single pivot with Maxair fume arm

A2. 20' (6.09 m)
C. 11.2' (3.40 m)

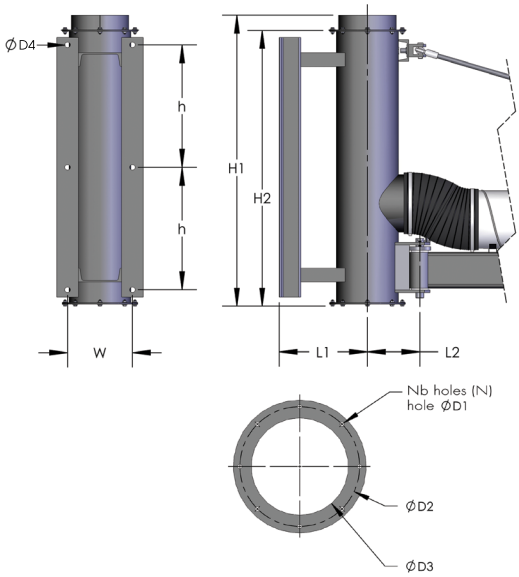
MAXIREACH installation note : Installation of horizontal beam and equipment at end of such beam should be coordinated with the facility manager for safety of employees. Lateral movement of the MAXIREACH extension swing boom should not encumber other equipment or be a potential risk of injury to employees. Refer to appropriate leaflet for optional equipment selected with MAXIREACH boom.
Shipping note : Because of freight restrictions, longer than 10' (3 m) MAXIREACH extention booms are shipped in two (2) sections. Main tube will need field assembly with joiner included.

MAXIREACH BOOM BASE DIMENSIONS

Boom base 6" (152 mm)



Boom base 8" (203 mm)



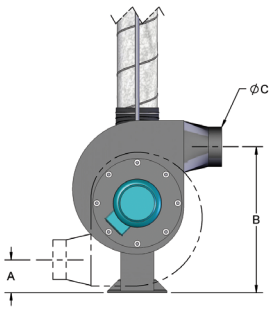
Base dimensions

CHART 1

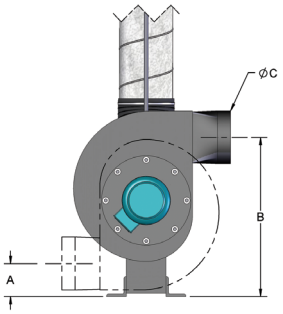
Base size in	Dimensions in / mm										
	W	h	L1	L2	H1	H2	N	D1	D2	D3	D4
6	7 / 178	25.25 / 641	11.69 / 297	6.26 / 159	33.39 / 848	31.29 / 795	6	0.31 / 8	7.69 / 195	5.88 / 150	0.625 / 16
8	9 / 229	17 / 432	12.2 / 310	11 / 279	38.10 / 968	41.10 / 1044	8	0.34 / 9	9.69 / 246	7.88 / 200	0.625 / 16

Blower position limitations

Boom base 6" (152 mm) with 1hp MAXIDRIVE fan (Top view)

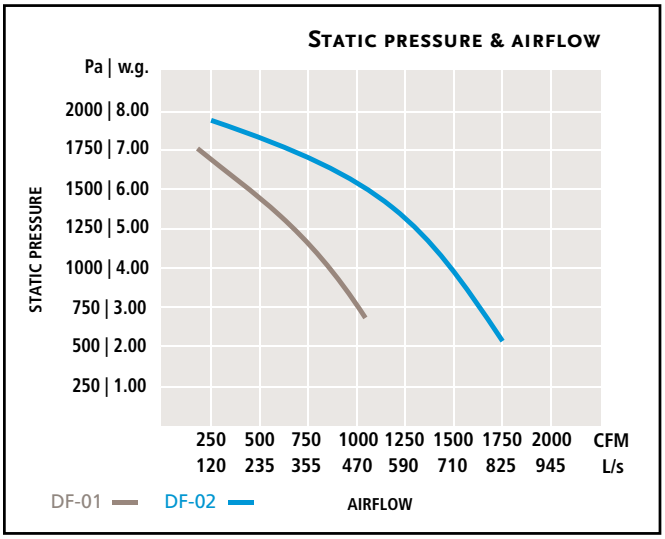


Boom base 8" (203 mm) with 2hp MAXIDRIVE fan (Top view)



Note : Refer to MAXIDRIVE leaflet for fan capacity and technical data.

Fan data	
Available voltages	115 / 230-1-60
	208 / 460-3-60
	575-3-60
Blade type	Backward inclined (aluminum)
Housing	Steel (painted)
Motor	TEFC
R.P.M.	3450



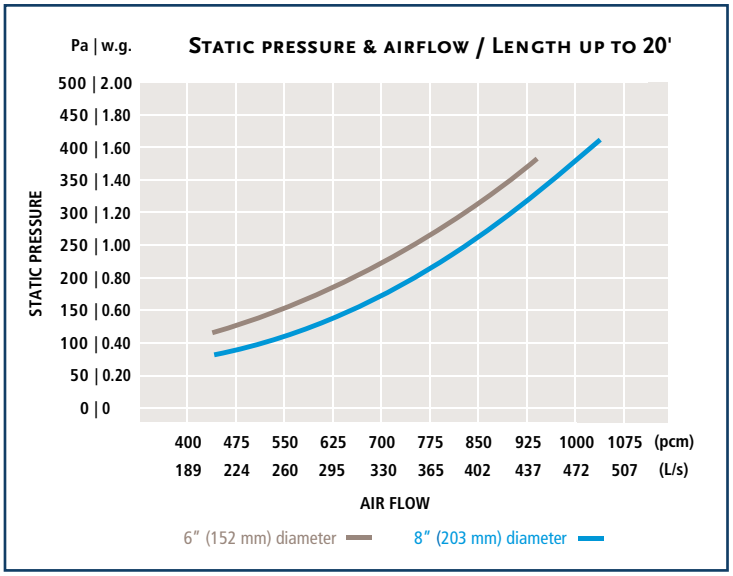
MODEL NUMBERS

Model numbers

CHART 2

Model numbers	Reach of work ft/m			Ducting diameter in/mm	Mimimum mounting height ft/m	Boom load capacity lbs/kg	Number of pivots	Weight lbs/kg without fan
	A	B	Total					
EBS-605	5/1.52	—	5/1.52	6/152	7.8/2.4	150/68	1	124/56
EBS-610	10/3.04	—	10/3.04	6/152	7.8/2.4	150/68	1	144/65
EBS-615	15/4.57	—	15/4.57	6/152	7.8/2.4	150/68	1	168/76
EBS-620	20/6.10	—	20/6.10	6/152	7.8/2.4	150/68	1	200/91
EBD-60302	3/0.91	2/0.61	5/1.52	6/152	7.8/2.4	75/34	2	170/77
EBD-60703	7/2.13	3/0.91	10/3.04	6/152	7.8/2.4	75/34	2	177/80
EBD-61005	10/3.04	5/1.52	15/4.57	6/152	7.8/2.4	75/34	2	185/84
EBD-61505	15/4.57	5/1.52	20/6.10	6/152	7.8/2.4	75/34	2	200/91
EBS-805	5/1.52	—	5/1.52	8/203	7.8/2.4	150/68	1	195/88
EBS-810	10/3.04	—	10/3.04	8/203	7.8/2.4	150/68	1	214/97
EBS-815	15/4.57	—	15/4.57	8/203	7.8/2.4	150/68	1	235/107
EBS-820	20/6.10	—	20/6.10	8/203	7.8/2.4	150/68	1	254/115
EBD-80302	3/0.91	2/0.61	5/1.52	8/203	7.8/2.4	75/34	2	230/104
EBD-80703	7/2.13	3/0.91	10/3.04	8/203	7.8/2.4	75/34	2	255/116
EBD-81005	10/3.04	5/1.52	15/4.57	8/203	7.8/2.4	75/34	2	272/123
EBD-81505	15/4.57	5/1.52	20/6.10	8/203	7.8/2.4	75/34	2	298/135

STATIC PRESSURE & AIR FLOW



Superior technology generating substantial operating savings

Note : Double pivot booms static pressure will increase as the second pivot rotates left or right. Full rotation on second pivot will increase static pressure by 35-40%. Static pressure shown in chart does not include source capture equipment.

OPTIONS

- MAXAIR fume arm
- MAXIDROP exhaust hose drop
- MAXIREEL exhaust hose reel
- MAXIDRIVE exhaust fan
- High or extreme temperature hoses at joints
- Non-standard lenghts and diameters
- Booms connected to dust collectors
- Stainless steel construction

YOUR MAXIREACH EXTENSION SWING BOOM SPECIFICATION

1. Extension swing boom:

Painted tubular steel tubing, spiral ductin adjustable pressure friction disks at joints, 275 °F (135 °C) hoses at boom base and pivot joints and support bracket for MAXAIR fume arm or MAXIDROP hose drop system, pull rod on 1st pivot for levelling and support, adjustable pressure friction disks at boom base pivot ball bearing movement on second pivot.

2. Extension swing boom diameter:

a) 6'' (152 mm) ☐

b) 8'' (200 mm) ☐

3. Extension swing boom should have total length of :

a) 5' (1.52 m) ☐

b) 10' (3.05 m) ☐

c) 15' (4.57 m) ☐

d) 20' (6.10 m) ☐

4. Extension swing boom consist of:

a) Single pivot with adjustable pressure friction disks and support base ☐

b) Double pivot with 2/3rds of total length on first pivot and 1/3rds remaining on second pivot portion ☐

5. Extension swing boom should include:

a) Top ducting connection ☐

b) Bottom ducting connection ☐

c) Maxidrive 1H.P. for 6'' (152 mm) boom ☐

d) Maxidrive 2H.P. for 8'' (203 mm) boom ☐

6. Extension swing boom includes:

Support bracket for MAXIREEL exhaust hose reel (single pivot only) ☐

7. Extension swing boom options:

a) 700 °F (370°C) flexible hoses at pivot joints ☐

b) 900 °F (482 °C) flexible hoses at pivot joints ☐

c) Telescopic aluminium grab pole to lower nozzle from MAXIREEL or MAXIDROP exhaust system ☐

d) Lateral positioning cable and handle kit for booms equipped with MAXIREEL or MAXIDROP exhaust system ☐

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

Your AQC representative is:

AQC DUST COLLECTION & SOURCE CAPTURE

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