

The NBM dust collector is designed to filter volumes of air varying from 2500 CFM to 12000 CFM.

MODULAR FILTER TECHNOLOGY

The NBM system design integrates BELFAB **modular filter technology**. This feature makes it possible to increase filtration surface cost effectively, with the introduction of additional filter modules.

This **expandable filter module** capability makes it possible to offer large filtration surfaces, capable of developing an air to cloth ratio better than 6:1. This feature makes it ideal for dust collection application involving moderate to large dust volume in either coarse or fine material.

PATENTED UPGRADABLE BLOWER

The BELFAB open dust collector modular series comes with our **patented upgradable blower**, that makes it possible to increase blower performance (on our standard blower) from a **5HP/2500CFM to twin 20HP/ 12,000* CFM MAX** by simply replacing motor and impeller within the same fan housing. Our optional HUMMER 1800 RPM fan offers super quiet operation at up to 9000 CFM* (see note).

**up to 5000CFM for indoor installation. Above 5,000 CFM an outdoor set up is required (NFPA 664)*

In application where there is a requirement for low sound level (under 84 db), BELFAB **HUMMER series** is available for application ranging from 10HP to 20HP 5000 CFM.

OPTIONS

- A choice of **3 dust disposal systems**
- **Pneumatic dust transfer system**
- Magnetic starter



Disposable bag



Steel drum



Plastic tilt trucks

STANDARD

DUST DISPOSAL OPTIONS

FILTER MODULES ARRANGEMENTS (When equipped with a hummer blower module, add 18" to width)

NBM

Number of filter modules	1	2	3	4	5	6
Filtration surface (sq.ft.)	165	330	495	660	825	990
Dimension (W x D X H) in.	48" x 48" x 144"	72" x 48" x 144"	96" x 48" x 144"	120" x 48" x 130"	144" x 48" x 130"	168" x 48" x 130"
Module weight (lbs)	690	1 040	1 390	1 740	2 090	2 444

	STANDARD BLOWER – 3600RPM					HUMMER BLOWER – 1800 RPM				
FAN MODULE	5HP	7.5HP	10HP	15HP	20HP	10HP	15HP	20HP	25	30HP
Capacity (CFM)	2 500	3 500	4 600	5 000	6 000	4 600	5 000	6 000	7 500	9 000
Recommended number of filter modules	1 to 3	2 to 4	2 to 5	3 to 6	4 to 6	2 to 5	4 to 6	4 to 6	5 to 7	7 to 8
Sound pressure (dB) at 10' (without a silencer)	82	84	88	92	92	80	81	83	85	87
Inlet diameter (in.)	9	10	12	14	16	12	14	16	18	20
Module weight (lbs)	200	240	250	340	360	350	450	560	620	680
					OUTDOOR			OUTDOOR		

RECOMMENDED NUMBER OF FILTER MODULES : GUIDELINES

BLOWER	LIGHT USAGE (under 3 hours a day)			MEDIUM USAGE (3 to 6 hours a day)			HEAVY USAGE (more than 6 hours a day)		
	Coarse	Mixed	Fine	Coarse	Mixed	Fine	Coarse	Mixed	Fine
5HP	2	2	2	2	2	2 to 3	2 to 3	3	3
7.5HP	2	2	2	2	2 to 3	3	3	3 to 4	4
10HP	3	3	3	3	3 to 4	4	4 to 5	4 to 5	4 to 5
15HP	3	3	3	3 to 4	4	4 to 5	5	5 to 6	6
20HP	4	4	4	4	4 to 5	4 to 5	4 to 5	5 to 6	5 to 6

FEATURES

- Direct drive centrifugal fan
- High efficiency TEFC motor, CSA-UL or CSA-US approved
- AMCA Class B (standard) & Class C (Hummer) anti-spark blower assembly
- High efficiency polywill filter bags
- Drum attachment includes a filter sleeve and a quick release clamp
- Comes standard with (per module):
 - Manual shaker
 - 2 fixed clamp
 - 5 disposable plastic bags
- The NBM collector can operate in either push or pull configuration
- Explosion doors that meet NFPA 68 standards
- Each filter module comes with a maintenance access door



NBM with pneumatic dust transfer system

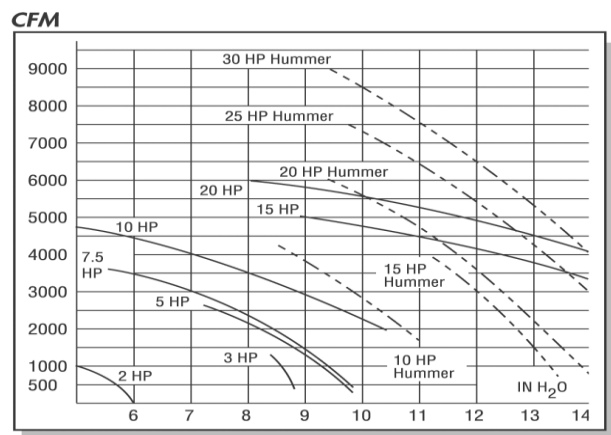
OPTIONS

- Pneumatic dust transfer system: hopper modules & transfer blowers
- Control panel with automatic shaker
- Explosion vent conduit
- 2-way valve
- Tee derivation
- Abort damper
- Spark detection system
- Pre-wired starter

WARRANTY

- 12 month warranty

PERFORMANCE GRAPH



Note: if your installation develops less static pressure than the minimum indicated on this chart, slide gate restriction should be added in order not to exceed recommended maximum motor amperage.

WARNING

WARNING: Our open type Dust Collectors are designed to comply with NFPA 664 regulations which permit inside installation of adequately designed open type wood dust collector systems that produce a maximum of 5000cfm and to which no mechanically fed machines such as abrasive sanders and moulders are installed.

Consult NFPA regulations for more details. Also, consult your local authorities to verify all governing codes and regulations that apply in your locality in regards to the use of open type dust collectors. It is the buyer's responsibility to follow all applicable national, local codes and regulations for installation and system operation.

Belfab improves its products continuously and may change the specifications without notice.