

## NBM-OP

The “NBM-OP” model is engineered as a compact and high efficiency collector solution, offering a height of less than 11’. This unit is designed to operate as either a dedicated “stand alone”, or main dust collector within a woodworking facility.

### MODULAR FILTER TECHNOLOGY

The NBM open 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 dust collector series comes with our **patented upgradable blower**, that makes it possible to increase blower performance (on our standard blower) from a **5HP/2500CFM to a 20HP/ 6000\* 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)*

### OPTIONS

- A choice of **3 dust disposal systems**
- Silencer (n/a for hummer blower)
- Magnetic starter



Complies with NFPA 664 standards for indoor installations



Disposable bag



Steel drum



Plastic tilt trucks

STANDARD

### DUST DISPOSAL OPTIONS

## FILTER MODULES ARRANGEMENTS

## NBM-OP

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 130"	72" x 48" x 130"	96" x 48" x 130"	120" x 48" x 130"	144" x 48" x 130"	168" x 48" x 130"
Module weight (lbs)	250	500	750	1 000	1 250	1 500

*Note: When equipped with a hummer blower module, add 18" to width*

FAN MODULE	STANDARD BLOWER – 3600RPM					HUMMER BLOWER – 1800 RPM		
	5HP	7.5HP	10HP	15HP	20HP	10HP	15HP	20HP
Capacity (CFM)	2 500	3 500	4 600	5 000	6 000	4 600	5 000	6 000
Recommended number of filter modules	1 to 3	2 to 4	2 to 5	3 to 6	4 to 6	3 to 6	4 to 6	4 to 6
Sound pressure* (dB)	82	84	88	92	92	80	81	83
Inlet diameter (in.)	9	10	12	14	16	12	14	16
Module weight (lbs)	200	240	250	340	360	350	450	560

## NUMBER OF FILTER MODULES REQUIRED : 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	4 to 4	4 to 5	5 to 6	5 to 6

# NBM-OP : SPECIFICATIONS

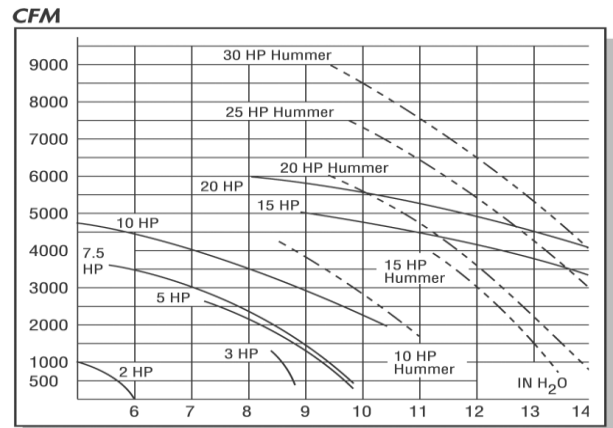
## NBM-OP

### FEATURES

- Low maintenance direct drive centrifugal fan
- High efficiency TEFC motor, CSA-UL or CSA-US approved
- High efficiency polywill filter bags
- Vertical mechanical manual shaker
- Drum attachments include: filter sleeve & quick release clamp
- The unit is configured for push application only
- Comes standard with (per module):
  - Manual shaker
  - 2 quick clamps
  - 10 disposable plastic bags



### 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.*

### WARRANTY

- 12 month warranty

### 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.*