

# BF 50 SuperFlow

**HIGH PERFORMANCE ✓ DIRECT DRIVE ✓ NO MAINTENANCE ✓**

The BF 50 recirculation fan is a part of the SKOV's BlueFan series. The BF 50 is specially developed for the harsh environment in livestock houses.

The BF 50 recirculation fan creates a pleasant house climate and contributes to healthy and productive dairy cattle. Especially when outside temperatures are high, ventilation and sufficient air speed are vital.

By using the recirculation fans, heat stress can be prevented and productivity maintained.

## INTELLIGENT DESIGN

- Optimized design for maximum airflow
- Long throw – fewer fans to blow over long distance
- Very robust and no maintenance

## ENERGY EFFICIENT MOTORS

- ON/OFF fans – with possibility of variable control via frequency controller
- LPC fans – variable control and low energy consumption
- Direct driven impellers – no belt to be maintained
- IE3 and IP 65 classified
- 1 or 3 phase motor 50/60 Hz
- cUL approved

## NONCORROSIVE MATERIALS

- Housing of polypropylene
- UV protected materials
- Impeller of fiberglass-reinforced polypropylene
- Mesh of stainless steel
- Blades diameter: 1278 mm (50")
- Shipping weight: 72 kg

## ACCESSORIES

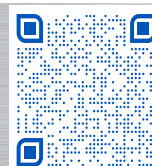
- Brackets for easy mounting
- Standard brackets – easy to install on-site
- Safety mesh for air in and output



LPC version managed  
with DOL-31



For more information  
[skov-secco.com](http://skov-secco.com)

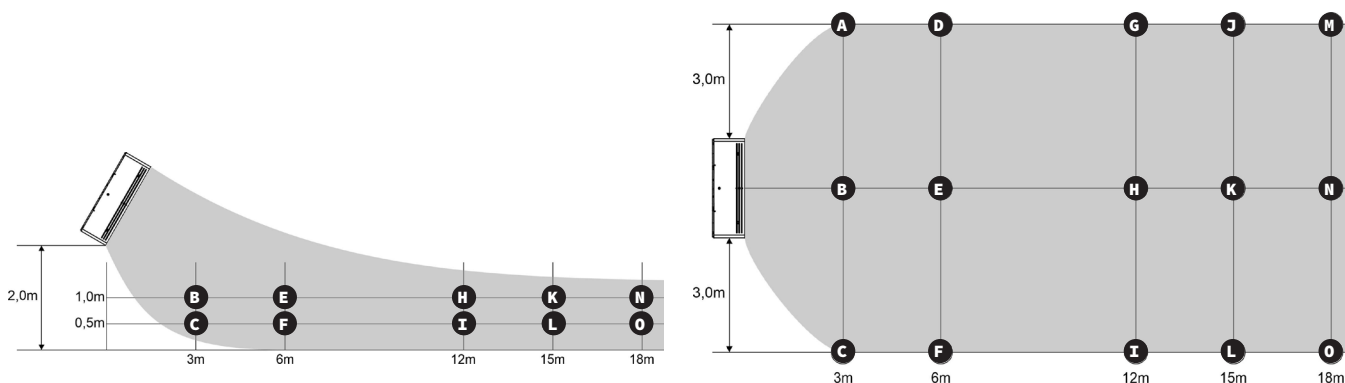


**SKOV-SECCO**  
United by Dairy

# BF 50 SuperFlow

## TECHNICAL INFORMATION

| Size         | Volt | PH (kW)  | Amp  | Hz    | Power consumption at 0 Pa (Watts) | RPM | Capacity [m³/h] at 0 Pa | Specific energy [W/1000m³/h] at 0 Pa | Speed          |
|--------------|------|----------|------|-------|-----------------------------------|-----|-------------------------|--------------------------------------|----------------|
| 50" (127 cm) | 230  | 1 (1.34) | 6.20 | 50    | 1345                              | 709 | 44 800                  | 30.0                                 | SINGLE         |
| 50" (127 cm) | 230  | 1 (1.36) | 6.60 | 60    | 1391                              | 854 | 43 500                  | 32.0                                 | SINGLE         |
| 50" (127 cm) | 400  | 3 (1.41) | 3.10 | 50    | 1467                              | 692 | 46 600                  | 31.0                                 | SINGLE         |
| 50" (127 cm) | 230  | 1 (1.31) | 6.28 | 50/60 | 1205                              | 680 | 41 800                  | 29.0                                 | LPC (variable) |
| 50" (127 cm) | 400  | 3 (1.27) | 2.37 | 50/60 | 1180                              | 680 | 41 800                  | 28.0                                 | LPC (variable) |



| BF 50 ON/OFF 230V1 60 Hz |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (in m/s)                 | A    | B    | C    | D    | E    | F    | G    | H    | I    | J    | K    | L    | M    | N    | O    |
| Side view                |      | 7.30 | 7.60 |      | 2.41 | 4.75 |      | 1.35 | 2.95 |      | 1.55 | 2.18 |      | 1.24 | 1.80 |
| Top view 0.5 m           | 0.72 | 7.60 | 0.94 | 1.44 | 4.75 | 1.67 | 2.32 | 2.95 | 2.07 | 2.18 | 2.18 | 1.73 | 1.79 | 1.80 | 1.68 |
| Top view 1.0 m           | 0.51 | 7.30 | 0.64 | 0.58 | 2.41 | 0.85 | 1.18 | 1.35 | 1.17 | 1.34 | 1.55 | 1.22 | 1.35 | 1.24 | 1.20 |

| BF 50 ON/OFF 230V1 50 Hz |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (in m/s)                 | A    | B    | C    | D    | E    | F    | G    | H    | I    | J    | K    | L    | M    | N    | O    |
| Side view                |      | 7.70 | 8.15 |      | 2.38 | 5.80 |      | 1.42 | 3.05 |      | 1.43 | 2.23 |      | 1.21 | 1.62 |
| Top view 0.5 m           | 0.78 | 8.15 | 0.75 | 1.44 | 5.80 | 1.83 | 2.44 | 3.05 | 2.55 | 2.32 | 2.23 | 1.78 | 1.53 | 1.62 | 1.88 |
| Top view 1.0 m           | 0.41 | 7.70 | 0.47 | 0.55 | 2.38 | 0.77 | 1.18 | 1.42 | 1.23 | 1.52 | 1.43 | 1.09 | 1.09 | 1.21 | 1.33 |

| BF 50 ON/OFF 400V3 / BF 50 LPC |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (in m/s)                       | A    | B    | C    | D    | E    | F    | G    | H    | I    | J    | K    | L    | M    | N    | O    |
| Side view                      |      | 9.50 | 8.83 |      | 2.14 | 5.95 |      | 1.62 | 3.49 |      | 2.07 | 2.78 |      | 1.52 | 2.23 |
| Top view 0.5 m                 | 0.91 | 8.83 | 0.82 | 1.69 | 5.95 | 1.82 | 2.55 | 3.49 | 2.81 | 2.34 | 2.78 | 2.04 | 2.08 | 2.23 | 1.92 |
| Top view 1.0 m                 | 0.49 | 9.50 | 0.47 | 0.64 | 2.14 | 0.89 | 1.31 | 1.62 | 1.33 | 1.48 | 2.07 | 1.52 | 1.56 | 1.52 | 1.40 |