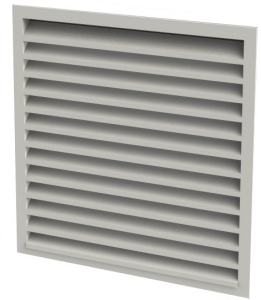




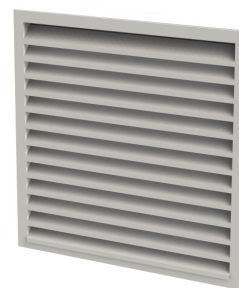
External Louver

**BM-SP**



## External Louver

### BM-SP



BM-SP external louver is suitable for the intake or exhaust of large air volumes in air handling systems. The Z-shaped blades provide good protection against rain. The water is blocked from entering the duct with air speed up to 3 m/s. The product is ideal for building facade ventilation transitions for air supply or extract.

#### Description:

- **Weatherproof**
- **Z-shaped blades**
- **Intake or exhaust**

## Technical information

|                     |                                 |                                           |
|---------------------|---------------------------------|-------------------------------------------|
| <b>Construction</b> | Min. Length                     | 200 mm                                    |
|                     | Min. Height                     | 300 mm                                    |
|                     | Max. Length/height in one modul | 2900x1700                                 |
| <b>Material</b>     | Standard material               | Aluminium                                 |
|                     | Optional material               | SS304,SS316,SS316L, Galvanized Coated     |
|                     | Standard finishing              | Powder coated                             |
|                     | Product finishing options       | Anodised (available in aluminium version) |
| <b>Frame</b>        |                                 | 30 - 35 – 40 – 50 mm                      |
| <b>Mounting</b>     | Mounting options                | Screws                                    |

## Effective area

### BM-SP

| Effective Area $A_e$ [m <sup>2</sup> ] |        |      |      |      |      |      |      |      |      |      |
|----------------------------------------|--------|------|------|------|------|------|------|------|------|------|
| H [mm]                                 | L [mm] |      |      |      |      |      |      |      |      |      |
|                                        | 400    | 500  | 600  | 800  | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 |
| 400                                    | 0.08   | 0.10 | 0.12 | 0.17 | 0.21 | 0.25 | 0.29 | 0.33 | 0.38 | 0.42 |
| 500                                    | 0.11   | 0.14 | 0.16 | 0.22 | 0.28 | 0.33 | 0.39 | 0.44 | 0.50 | 0.56 |
| 600                                    | 0.14   | 0.17 | 0.21 | 0.28 | 0.35 | 0.42 | 0.49 | 0.56 | 0.63 | 0.70 |
| 800                                    | 0.19   | 0.24 | 0.29 | 0.39 | 0.48 | 0.58 | 0.68 | 0.78 | 0.88 | 0.97 |
| 1000                                   | 0.24   | 0.31 | 0.37 | 0.50 | 0.62 | 0.75 | 0.87 | 1.00 | 1.13 | 1.25 |
| 1200                                   | 0.30   | 0.37 | 0.45 | 0.61 | 0.76 | 0.91 | 1.07 | 1.22 | 1.38 | 1.53 |
| 1400                                   | 0.35   | 0.44 | 0.53 | 0.72 | 0.90 | 1.08 | 1.26 | 1.44 | 1.63 | 1.81 |
| 1600                                   | 0.41   | 0.51 | 0.62 | 0.83 | 1.04 | 1.25 | 1.46 | 1.67 | 1.88 | 2.09 |
| 1800                                   | 0.46   | 0.58 | 0.70 | 0.94 | 1.17 | 1.41 | 1.65 | 1.89 | 2.13 | 2.36 |
| 2000                                   | 0.51   | 0.65 | 0.78 | 1.05 | 1.31 | 1.58 | 1.84 | 2.11 | 2.38 | 2.64 |

## Quick selection

## BM-SP

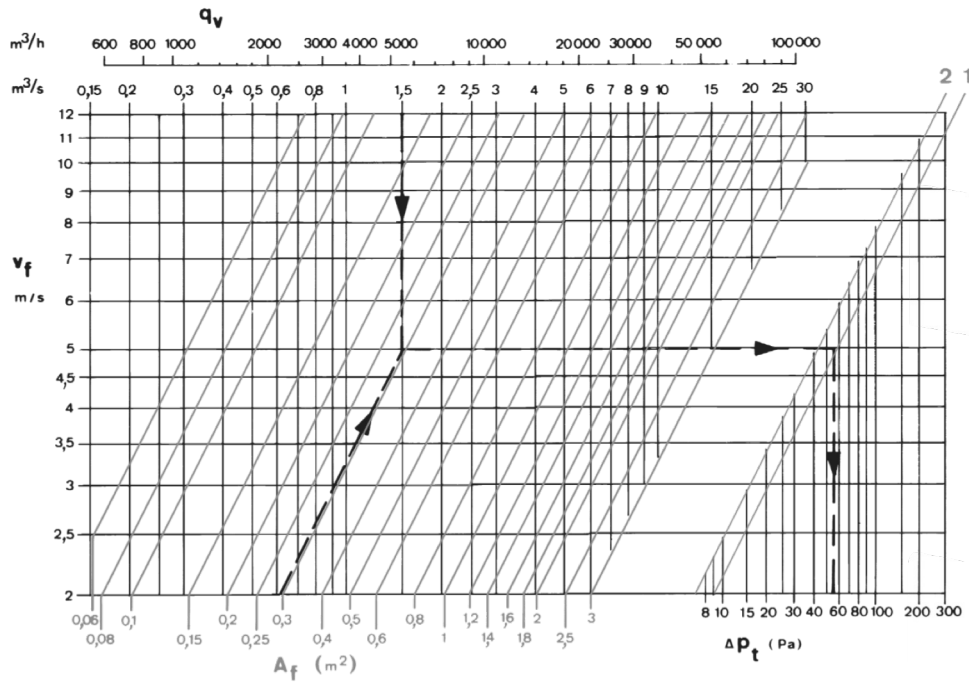
| $Q_v$ [m³/h] Intake - $v_{eff}=2,0\text{m/s}$ |        |      |      |      |      |       |       |       |       |       |
|-----------------------------------------------|--------|------|------|------|------|-------|-------|-------|-------|-------|
| H [mm]                                        | L [mm] |      |      |      |      |       |       |       |       |       |
|                                               | 400    | 500  | 600  | 800  | 1000 | 1200  | 1400  | 1600  | 1800  | 2000  |
| 400                                           | 576    | 720  | 864  | 1224 | 1512 | 1800  | 2088  | 2376  | 2736  | 3024  |
| 500                                           | 792    | 1008 | 1152 | 1584 | 2016 | 2376  | 2808  | 3168  | 3600  | 4032  |
| 600                                           | 1008   | 1224 | 1512 | 2016 | 2520 | 3024  | 3528  | 4032  | 4536  | 5040  |
| 800                                           | 1368   | 1728 | 2088 | 2808 | 3456 | 4176  | 4896  | 5616  | 6336  | 6984  |
| 1000                                          | 1728   | 2232 | 2664 | 3600 | 4464 | 5400  | 6264  | 7200  | 8136  | 9000  |
| 1200                                          | 2160   | 2664 | 3240 | 4392 | 5472 | 6552  | 7704  | 8784  | 9936  | 11016 |
| 1400                                          | 2520   | 3168 | 3816 | 5184 | 6480 | 7776  | 9072  | 10368 | 11736 | 13032 |
| 1600                                          | 2952   | 3672 | 4464 | 5976 | 7488 | 9000  | 10512 | 12024 | 13536 | 15048 |
| 1800                                          | 3312   | 4176 | 5040 | 6768 | 8424 | 10152 | 11880 | 13608 | 15336 | 16992 |
| 2000                                          | 3672   | 4680 | 5616 | 7560 | 9432 | 11376 | 13248 | 15192 | 17136 | 19008 |

| $Q_v$ [m³/h] Discharge - $v_{eff}=3,0\text{m/s}$ |        |      |      |       |       |       |       |       |       |       |
|--------------------------------------------------|--------|------|------|-------|-------|-------|-------|-------|-------|-------|
| H [mm]                                           | L [mm] |      |      |       |       |       |       |       |       |       |
|                                                  | 400    | 500  | 600  | 800   | 1000  | 1200  | 1400  | 1600  | 1800  | 2000  |
| 400                                              | 864    | 1080 | 1296 | 1836  | 2268  | 2700  | 3132  | 3564  | 4104  | 4536  |
| 500                                              | 1188   | 1512 | 1728 | 2376  | 3024  | 3564  | 4212  | 4752  | 5400  | 6048  |
| 600                                              | 1512   | 1836 | 2268 | 3024  | 3780  | 4536  | 5292  | 6048  | 6804  | 7560  |
| 800                                              | 2052   | 2592 | 3132 | 4212  | 5184  | 6264  | 7344  | 8424  | 9504  | 10476 |
| 1000                                             | 2592   | 3348 | 3996 | 5400  | 6696  | 8100  | 9396  | 10800 | 12204 | 13500 |
| 1200                                             | 3240   | 3996 | 4860 | 6588  | 8208  | 9828  | 11556 | 13176 | 14904 | 16524 |
| 1400                                             | 3780   | 4752 | 5724 | 7776  | 9720  | 11664 | 13608 | 15552 | 17604 | 19548 |
| 1600                                             | 4428   | 5508 | 6696 | 8964  | 11232 | 13500 | 15768 | 18036 | 20304 | 22572 |
| 1800                                             | 4968   | 6264 | 7560 | 10152 | 12636 | 15228 | 17820 | 20412 | 23004 | 25488 |
| 2000                                             | 5508   | 7020 | 8424 | 11340 | 14148 | 17064 | 19872 | 22788 | 25704 | 28512 |

## Quick selection

### BM-SP

1- Intake  
2- Exhaust



| $A_f$ -values ( $m^2$ ) |        |      |      |      |      |      |      |      |      |      |
|-------------------------|--------|------|------|------|------|------|------|------|------|------|
| H (mm)                  | L (mm) |      |      |      |      |      |      |      |      |      |
|                         | 400    | 500  | 600  | 800  | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 |
| 400                     | 0,08   | 0,10 | 0,12 | 0,17 | 0,21 | 0,25 | 0,29 | 0,33 | 0,38 | 0,42 |
| 500                     | 0,11   | 0,14 | 0,16 | 0,22 | 0,28 | 0,33 | 0,39 | 0,44 | 0,50 | 0,56 |
| 600                     | 0,14   | 0,17 | 0,21 | 0,28 | 0,35 | 0,42 | 0,49 | 0,56 | 0,63 | 0,70 |
| 800                     | 0,19   | 0,24 | 0,29 | 0,39 | 0,48 | 0,58 | 0,68 | 0,78 | 0,88 | 0,97 |
| 1000                    | 0,24   | 0,31 | 0,37 | 0,50 | 0,62 | 0,75 | 0,87 | 1,00 | 1,13 | 1,25 |
| 1200                    | 0,30   | 0,37 | 0,45 | 0,61 | 0,76 | 0,91 | 1,07 | 1,22 | 1,38 | 1,53 |
| 1400                    | 0,35   | 0,44 | 0,53 | 0,72 | 0,90 | 1,08 | 1,26 | 1,44 | 1,63 | 1,81 |
| 1600                    | 0,41   | 0,51 | 0,62 | 0,83 | 1,04 | 1,25 | 1,46 | 1,67 | 1,88 | 2,09 |
| 1800                    | 0,46   | 0,58 | 0,70 | 0,94 | 1,17 | 1,41 | 1,65 | 1,89 | 2,13 | 2,36 |
| 2000                    | 0,51   | 0,65 | 0,78 | 1,05 | 1,31 | 1,58 | 1,84 | 2,11 | 2,38 | 2,64 |

## BM-SP

### DAR KANATLI DIŐ HAVA PANJURU NARROW BLADE EXTERNAL LOUVRE BM-SP-01

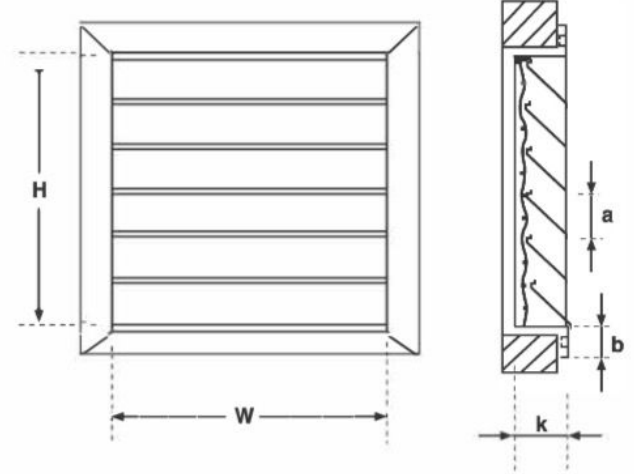
|       |    |
|-------|----|
| k(mm) | 30 |
| b(mm) | 30 |
| a(mm) | 30 |

### ORTA KANATLI DIŐ HAVA PANJURU MIDDLE BLADE EXTERNAL LOUVRE BM-SP-02

|       |    |
|-------|----|
| k(mm) | 50 |
| b(mm) | 30 |
| a(mm) | 45 |

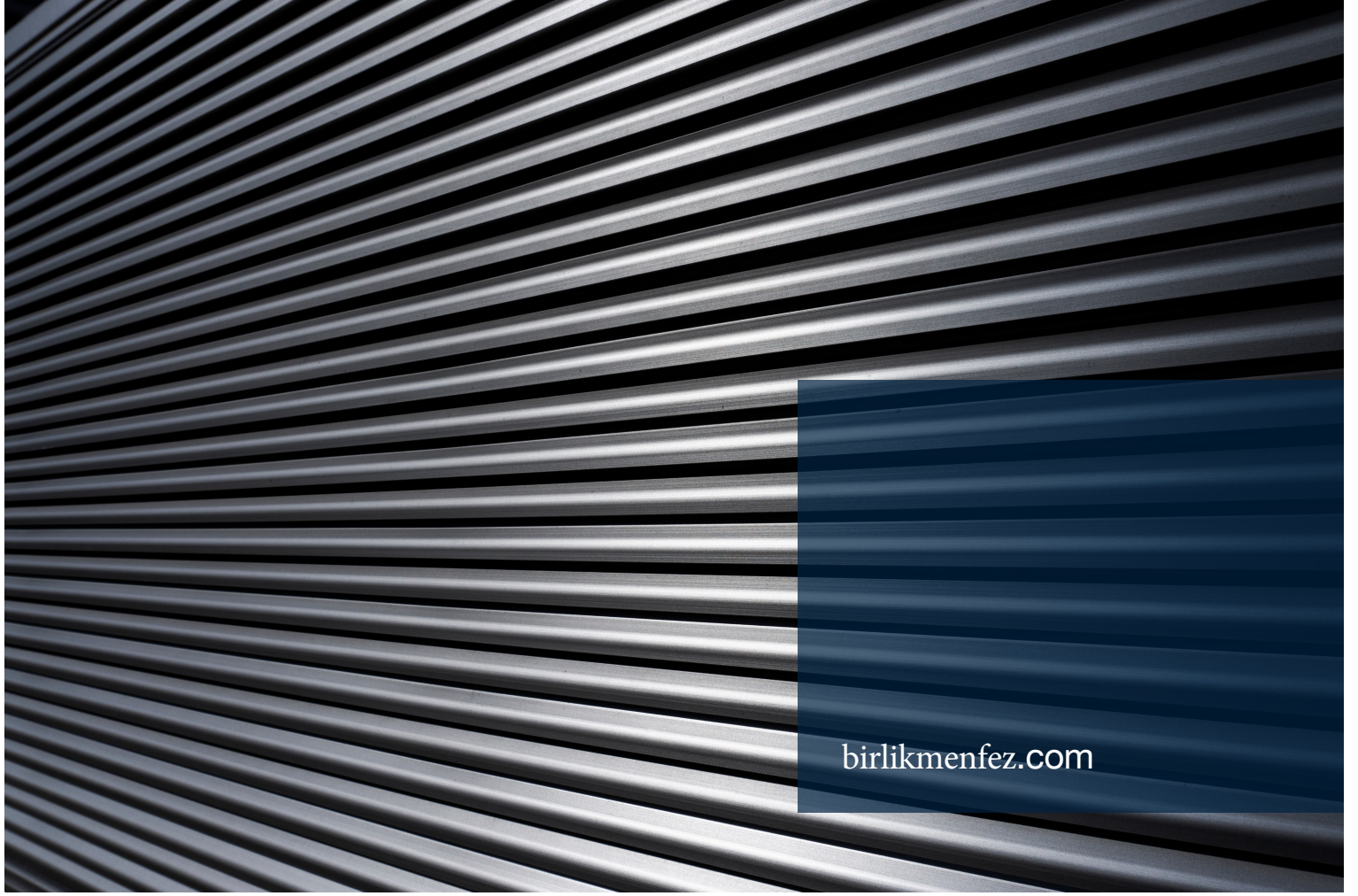
### GENİŐ KANATLI DIŐ HAVA PANJURU WIDE BLADE EXTERNAL LOUVRE BM-SP-03

|       |    |
|-------|----|
| k(mm) | 70 |
| b(mm) | 45 |
| a(mm) | 60 |



|                      |                                                                                                                                                                                                   |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Malzeme</b>       | Özel olarak haddelenmiş 6063 alüminyum profil.                                                                                                                                                    |
| <b>Fonksiyon</b>     | Hava kanalı emiş ve atışlarının uçlarından dış mahalden yağmurun ve kuşların girmemesi için kullanılmaktadır.                                                                                     |
| <b>Yüzey Kaplama</b> | Standart kaplama, naturel alüminyum eleksallıdır. İsteğe bağlı olarak elektrostatik toz boya yapılabilir. Standart beyaz renkler RAL 9010 ve 9016'dır. Diğer renkler fırın boya ile sağlanabilir. |
| <b>Montaj</b>        | Standart olarak vidalıdır.                                                                                                                                                                        |
| <b>Aksesuarlar</b>   | PVC Kaplı galvanize tel kafes                                                                                                                                                                     |

|                     |                                                                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Material</b>     | Specially extruded 6063 aluminium profile.                                                                                                                                     |
| <b>Function</b>     | It can be used both as air intake or discharge louvre in air duct systems.<br>It prevent air duct from rain and birds.                                                         |
| <b>Finishing</b>    | Standard finishing is natural anodized. Electrostatic powder coating is optional.<br>Standard colours are RAL 9010 or RAL 9016. Other colours are available with enamel paint. |
| <b>Installation</b> | Screw system is standard.                                                                                                                                                      |
| <b>Accessories</b>  | PVC Coated galvanized steel wire mesh.                                                                                                                                         |



[birlikmenfez.com](http://birlikmenfez.com)

## External Louver BM-SP



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