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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| --- | --- |
| **Подбор решеток АМН, АМР-М, АДН, АДР-М при подаче воздуха в помещение (*a*1=*a*2 = 0°)** |  |
|   |
| **Размеры\*  А х В, мм** | **Fo, м2** | **LWA < 20дБ (А),   Рп < 1 Па** | **LWA=25дБ (А)** | **LWA=35дБ (А)** | **LWA ≤ 45дБ (А)** |
| **Lo, м3/ч** | **дально-бойность, м  при Vx, м/с** | **Lo, м3/ч** | **дально-бойность, м  при Vx, м/с** | **Lo, м3/ч** | ∆**Рп, Па** | **дально-бойность, м  при Vx, м/с** | **Lo, м3/ч** | ∆**Рп, Па** | **дально-бойность, м при Vx, м/с** | **Lo, м3/ч** | ∆**Рп, Па** | **дально-бойность, м  при Vx, м/с** |
|
| **0.2** | **0.5** | **0.2** | **0.5** | **0.2** | **0.5** | **0.2** | **0.5** | **0.75** | **0.5** | **0.75** |
| **200\*100** | 0.018 | 30 | 1.9 | 0.7 | 60 | 3.6 | 1.5 | 180 | 6 | 11 | 4.4 | 280 | 14 | 17 | 6.8 | 4.5 | 350 | 22 | 8.5 | 5.6 |
| **300\*100** | 0.027 | 50 | 2.5 | 1.0 | 80 | 4.0 | 1.6 | 240 | 5 | 12 | 4.9 | 360 | 12 | 18 | 7.3 | 4.9 | 500 | 22 | 10.0 | 6.8 |
| **400\*100** | 0.036 | 65 | 2.8 | 1.1 | 100 | 4.4 | 1.8 | 300 | 5 | 13 | 5.3 | 400 | 8 | 18 | 7 | 4.7 | 580 | 17 | 10.0 | 6.8 |
| **500\*100** | 0.045 | 80 | 3.1 | 1.2 | 120 | 4.9 | 1.9 | 370 | 5 | 15 | 5.9 | 520 | 10 | 21 | 8.4 | 5.6 | 700 | 17 | 11.0 | 7.5 |
| **600\*100** | 0.054 | 100 | 3.6 | 1.4 | 150 | 5.3 | 2.1 | 420 | 4 | 15 | 6.0 | 600 | 8 | 21 | 8.5 | 5.7 | 780 | 13 | 11.0 | 7.4 |
| **150\*150** | 0.020 | 35 | 2.1 | 0.8 | 60 | 3.6 | 1.5 | 180 | 6 | 11 | 4.4 | 280 | 14 | 17 | 6.8 | 4.5 | 350 | 22 | 8.5 | 5.6 |
| **300\*150** | 0.041 | 75 | 3.1 | 1.2 | 120 | 4.9 | 1.9 | 370 | 5 | 15 | 5.9 | 520 | 10 | 21 | 8.4 | 5.6 | 700 | 17 | 11.0 | 7.5 |
| **400\*150** | 0.055 | 100 | 3.6 | 1.4 | 150 | 5.3 | 2.1 | 420 | 4 | 15 | 6.0 | 600 | 8 | 21 | 8.5 | 5.7 | 780 | 13 | 11.0 | 7.4 |
| **500\*150** | 0.070 | 130 | 4.1 | 1.7 | 180 | 5.6 | 2.2 | 530 | 4 | 16 | 6.6 | 800 | 8 | 25 | 10 | 6.6 | 970 | 12 | 12.0 | 8.0 |
| **600\*150** | 0.084 | 150 | 4.3 | 1.7 | 200 | 5.7 | 2.3 | 600 | 3 | 17 | 6.9 | 900 | 7 | 26 | 10 | 6.9 | 1130 | 12 | 13.0 | 8.7 |
| **700\*150** | 0.098 | 170 | 4.5 | 1.8 | 240 | 6.4 | 2.6 | 700 | 3 | 19 | 7.4 | 1100 | 8 | 29 | 12 | 7.8 | 1300 | 11 | 14.0 | 9.2 |
| **800\*150** | 0.112 | 200 | 5.0 | 2.0 | 250 | 6.2 | 2.5 | 740 | 3 | 19 | 7.4 | 1250 | 8 | 31 | 12 | 8.3 | 1500 | 12 | 15.0 | 10.0 |
| **200\*200** | 0.036 | 70 | 3.1 | 1.2 | 100 | 4.4 | 1.8 | 300 | 5 | 13 | 5.3 | 400 | 8 | 18 | 7 | 4.7 | 580 | 17 | 10.0 | 6.8 |
| **300\*200** | 0.055 | 100 | 3.6 | 1.4 | 150 | 5.3 | 2.1 | 420 | 4 | 15 | 6.0 | 600 | 8 | 21 | 8.5 | 5.7 | 780 | 13 | 11.0 | 7.4 |
| **400\*200** | 0.074 | 130 | 4.0 | 1.6 | 180 | 5.6 | 2.2 | 530 | 4 | 16 | 6.6 | 800 | 8 | 25 | 10 | 6.6 | 970 | 12 | 12.0 | 8.0 |
| **500\*200** | 0.093 | 160 | 4.4 | 1.8 | 220 | 6.0 | 2.4 | 650 | 3 | 18 | 7.0 | 1050 | 8 | 29 | 12 | 7.7 | 1250 | 12 | 14.0 | 9.1 |
| **600\*200** | 0.112 | 200 | 5.0 | 2.0 | 250 | 6.2 | 2.5 | 740 | 3 | 19 | 7.4 | 1250 | 8 | 31 | 12 | 8.3 | 1500 | 12 | 15.0 | 10.0 |
| **700\*200** | 0.131 | 230 | 5.3 | 2.1 | 270 | 6.2 | 2.5 | 820 | 3 | 19 | 7.6 | 1400 | 7 | - | 13 | 8.6 | 1550 | 9 | 14.0 | 9.5 |
| **800\*200** | 0.150 | 270 | 5.8 | 2.3 | 300 | 6.5 | 2.6 | 900 | 2 | 19 | 7.8 | 1500 | 7 | - | 13 | 8.6 | 1650 | 8 | 14.0 | 9.5 |
| **1000\*200** | 0.188 | 340 | 6.5 | 2.6 | 350 | 6.8 | 2.7 | 1100 | 2 | 21 | 8.5 | 1600 | 5 | - | 12 | 8.2 | 2000 | 7 | 15.0 | 10.3 |
| **300\*300** | 0.084 | 150 | 4.3 | 1.7 | 200 | 5.7 | 2.3 | 600 | 3 | 17 | 6.9 | 900 | 7 | 26 | 10 | 6.9 | 1130 | 12 | 13.0 | 8.7 |
| **400\*300** | 0.113 | 200 | 4.9 | 2.0 | 250 | 6.2 | 2.5 | 740 | 3 | 19 | 7.4 | 1250 | 8 | - | 12 | 8.3 | 1500 | 12 | 15.0 | 10.0 |
| **500\*300** | 0.142 | 250 | 5.5 | 2.2 | 290 | 6.4 | 2.6 | 860 | 2 | 19 | 7.6 | 1450 | 7 | - | 13 | 8.6 | 1600 | 8 | 14.0 | 9.4 |
| **600\*300** | 0.171 | 300 | 6.1 | 2.4 | 320 | 6.5 | 2.6 | 1000 | 2 | 20 | 8.0 | 1550 | 5 | - | 13 | 8.3 | 1800 | 7 | 15.0 | 9.7 |
| **700\*300** | 0.200 | 350 | 6.6 | 2.6 | 400 | 7.4 | 3.0 | 1200 | 2 | 22 | 8.9 | 1700 | 5 | - | 13 | 8.4 | 2100 | 7 | 16.0 | 10.4 |
| **800\*300** | 0.229 | 400 | 7.0 | 2.8 | 500 | 8.8 | 3.5 | 1300 | 2 | 23 | 9.1 | 1900 | 4 | - | 13 | 8.8 | 2200 | 6 | 15.0 | 10.2 |
| **1000\*300** | 0.287 | 500 | 7.7 | 3.1 | 600 | 9.3 | 3.7 | 1500 | 2 | 23 | 9.3 | 2200 | 4 | - | 14 | 9.1 | 2800 | 6 | 17.0 | 11.6 |

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| При настилании струи на потолок ее дальнобойность увеличивается в 1,4 раза. При установке регулятора расхода в решетках АМР-М, АДР-М данные таблицы корректируются:  |  | **Значение коэффициента К и LWA для решеток АМР-М, АДР-М при *a*1=*a*2=0°** |
|
|   |
| **% открытия регулятора расхода** | **100% b=0°** | **50% b=30°** | **30% b=60°** |
|  | **K** | 1.2 | 3.7 | 7.3 |
| http://www.arktika.ru/img/amr_m_formula1.gif | **∆LWA, дБ(А)** | 2 | 5 | 7 |
|  |
| Приведенные в таблице данные дальнобойности струи не учитывают принятую схему воздухораздачи и избыточную температуру воздуха в струе. Для определения температуры и скорости воздуха в рабочей зоне необходимо пользоваться указаниями по расчету  воздухораспределителей. |
|  |
|  | **Тип решетки** | **АМН** | **АМР-М** | **АДН** | **АДР-М** |  |
| **К Ж.С. = F Ж.С./F0** | 0.80 | 0.65 | 0.63 | 0.50 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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