



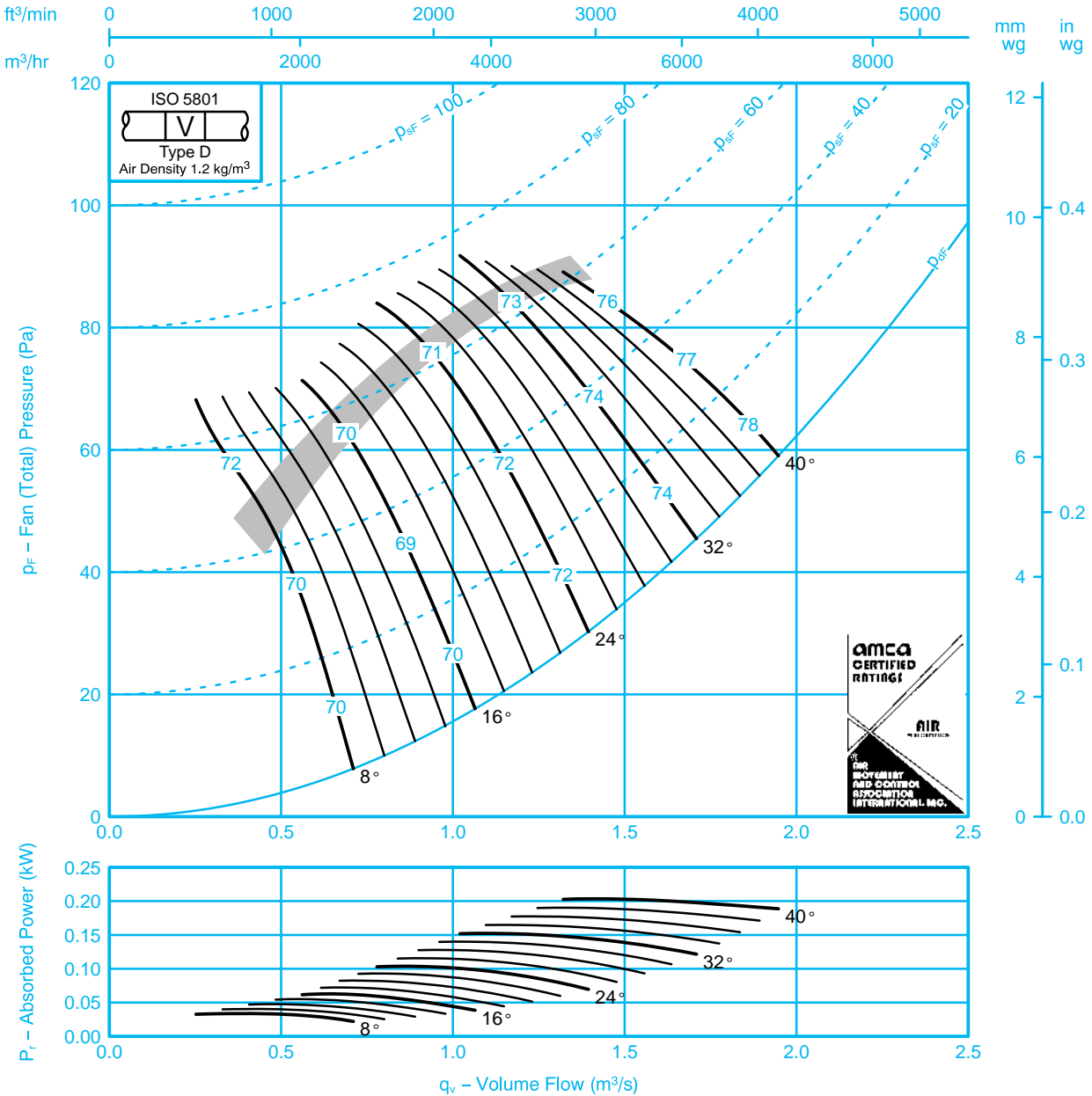
BS 5750 Pt 1  
EN 29001  
ISO 9001

## Fan Code: 50JM/16/6/5/...

## 500 mm 915 rev/min 5 Blades 50 Hz

### Performance Data ISO 5801: The AMCA Certified Ratings Seal applies to air performance only

Performance shown is for installations type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances.



### Sound Data BS848 Part 2 1985:

Single figures on performance curves are overall inlet sound power levels, derived from measurements taken in Woods laboratory specifically under ducted conditions. For sound power levels in eight octave bands, apply the following corrections to the overall level. Use upper corrections when operating point is above shaded area, or lower corrections when operating point is below shaded area.

| Inlet Levels |                                   |     |     |     |     |     |     |     | Outlet Levels |                                   |     |     |     |     |     |     |     |
|--------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|---------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Pitch Angle  | Octave Band Centre Frequency (Hz) |     |     |     |     |     |     |     | Pitch Angle   | Octave Band Centre Frequency (Hz) |     |     |     |     |     |     |     |
|              | 63                                | 125 | 250 | 500 | 1k  | 2k  | 4k  | 8k  |               | 63                                | 125 | 250 | 500 | 1k  | 2k  | 4k  | 8k  |
| 8            | -9                                | -10 | -4  | -6  | -11 | -19 | -26 | -34 | 8             | -7                                | -9  | -4  | -6  | -12 | -19 | -26 | -32 |
|              | -7                                | -10 | -7  | -5  | -8  | -13 | -19 | -24 |               | -6                                | -10 | -7  | -5  | -8  | -12 | -18 | -22 |
| 16           | -7                                | -9  | -5  | -6  | -10 | -16 | -23 | -29 | 16            | -6                                | -9  | -5  | -6  | -10 | -16 | -22 | -28 |
|              | -3                                | -8  | -9  | -10 | -12 | -14 | -18 | -21 |               | -3                                | -8  | -9  | -10 | -12 | -14 | -18 | -20 |
| 24-40        | -3                                | -8  | -9  | -10 | -13 | -15 | -19 | -22 | 24-40         | -2                                | -8  | -9  | -10 | -13 | -15 | -19 | -21 |
|              | -3                                | -7  | -9  | -11 | -14 | -17 | -22 | -26 |               | -2                                | -7  | -9  | -11 | -14 | -17 | -21 | -24 |



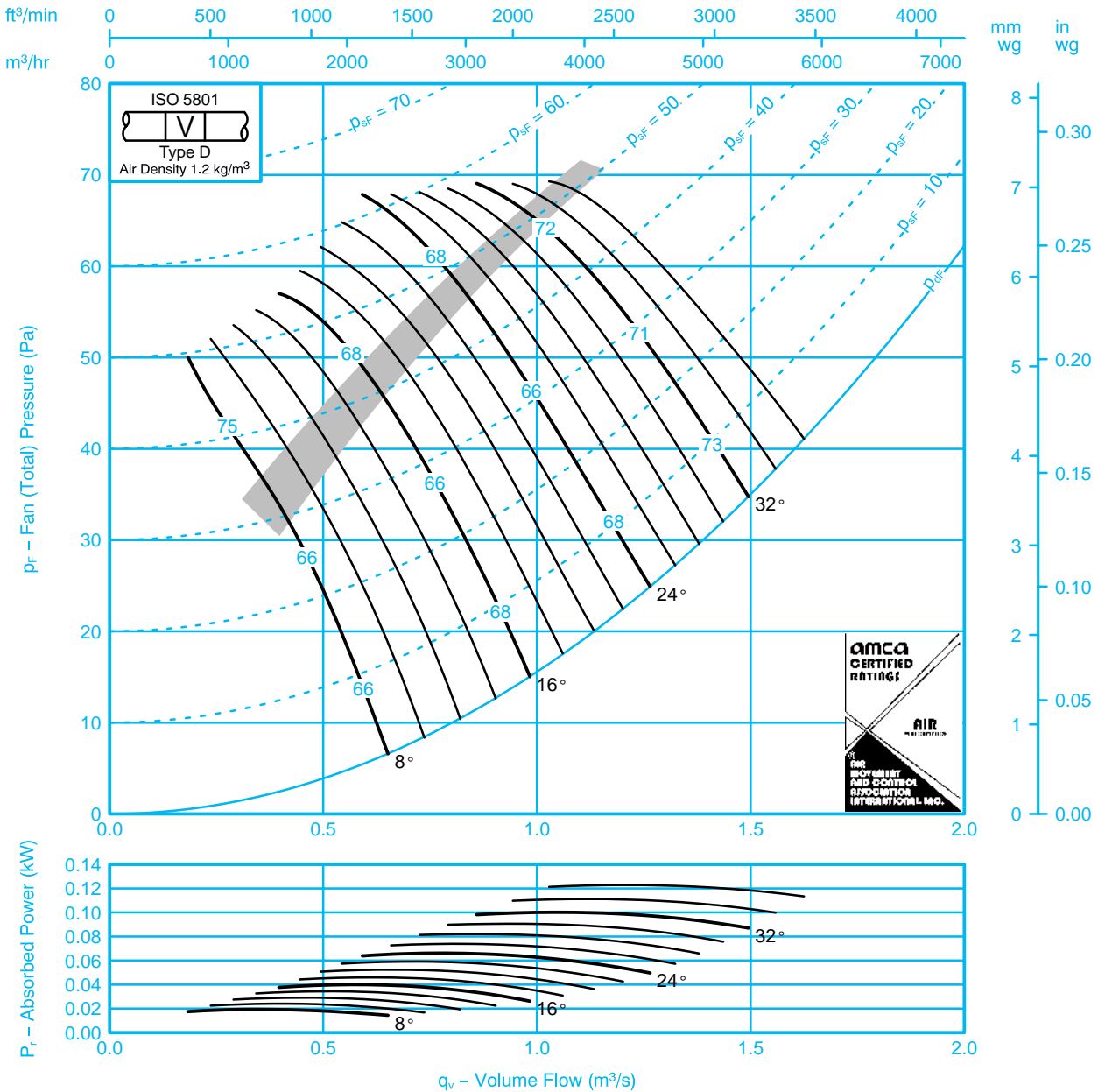
BS 5750 Pt 1  
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## 500 mm 915 rev/min 3 Blades 50 Hz

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| Inlet Levels |                                   |     |     |     |     |     |     |     | Outlet Levels |                                   |     |     |     |     |     |     |     |
|--------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|---------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Pitch Angle  | Octave Band Centre Frequency (Hz) |     |     |     |     |     |     |     | Pitch Angle   | Octave Band Centre Frequency (Hz) |     |     |     |     |     |     |     |
|              | 63                                | 125 | 250 | 500 | 1k  | 2k  | 4k  | 8k  |               | 63                                | 125 | 250 | 500 | 1k  | 2k  | 4k  | 8k  |
| 8            | -16                               | -10 | -4  | -4  | -13 | -21 | -30 | -41 | 8             | -13                               | -9  | -4  | -4  | -13 | -21 | -29 | -39 |
|              | -8                                | -7  | -6  | -6  | -11 | -13 | -18 | -23 |               | -5                                | -7  | -6  | -6  | -11 | -13 | -16 | -20 |
| 16           | -8                                | -5  | -5  | -9  | -14 | -18 | -22 | -27 | 16            | -6                                | -5  | -5  | -9  | -14 | -17 | -21 | -26 |
|              | -5                                | -6  | -6  | -9  | -13 | -17 | -22 | -26 |               | -3                                | -6  | -6  | -9  | -13 | -16 | -21 | -25 |
| 24-36        | -5                                | -5  | -8  | -9  | -13 | -17 | -22 | -25 | 24-36         | -3                                | -5  | -8  | -9  | -13 | -15 | -18 | -22 |
|              | -4                                | -6  | -8  | -10 | -14 | -18 | -23 | -28 |               | -1                                | -6  | -8  | -10 | -14 | -17 | -22 | -26 |



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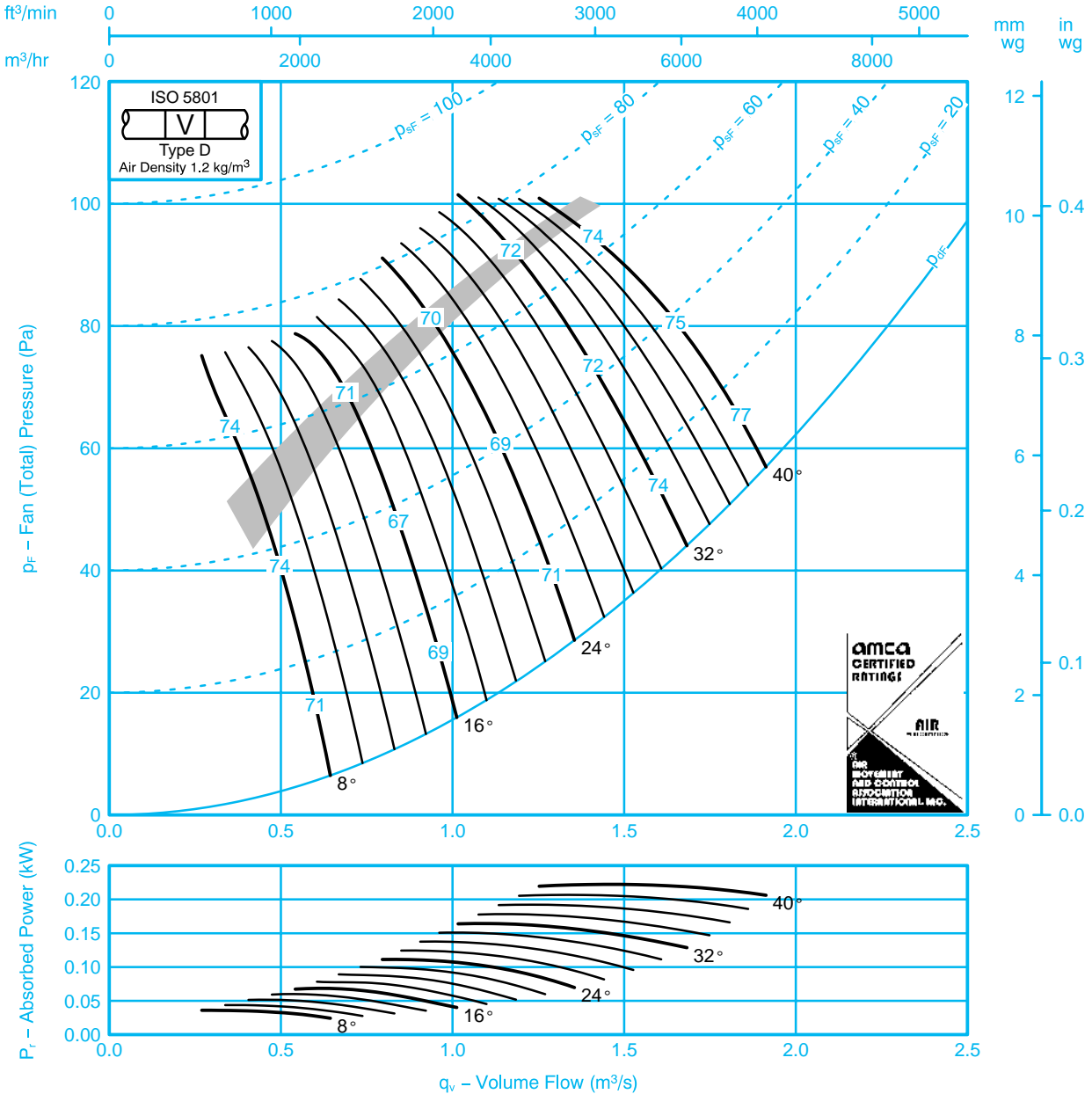
## Fan Code: 50JM/20/6/6/...

## 500 mm 915 rev/min 6 Blades 50 Hz



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| Inlet Levels |                                   |     |     |     |     |     |     |     | Outlet Levels |                                   |     |     |     |     |     |     |     |
|--------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|---------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Pitch Angle  | Octave Band Centre Frequency (Hz) |     |     |     |     |     |     |     | Pitch Angle   | Octave Band Centre Frequency (Hz) |     |     |     |     |     |     |     |
|              | 63                                | 125 | 250 | 500 | 1k  | 2k  | 4k  | 8k  |               | 63                                | 125 | 250 | 500 | 1k  | 2k  | 4k  | 8k  |
| 8            | -16                               | -10 | -5  | -3  | -11 | -20 | -30 | -40 | 8             | -14                               | -9  | -5  | -3  | -11 | -19 | -29 | -38 |
|              | -16                               | -9  | -6  | -4  | -9  | -15 | -22 | -29 |               | -15                               | -7  | -6  | -4  | -9  | -14 | -20 | -27 |
| 16           | -11                               | -6  | -4  | -7  | -12 | -16 | -24 | -30 | 16            | -10                               | -4  | -4  | -7  | -11 | -15 | -23 | -29 |
|              | -11                               | -5  | -5  | -7  | -11 | -14 | -19 | -24 |               | -9                                | -4  | -5  | -7  | -11 | -14 | -19 | -23 |
| 24-40        | -6                                | -6  | -6  | -9  | -12 | -16 | -19 | -24 | 24-40         | -5                                | -4  | -6  | -9  | -12 | -15 | -18 | -22 |
|              | -6                                | -5  | -7  | -9  | -13 | -16 | -22 | -26 |               | -4                                | -3  | -7  | -9  | -13 | -15 | -20 | -25 |



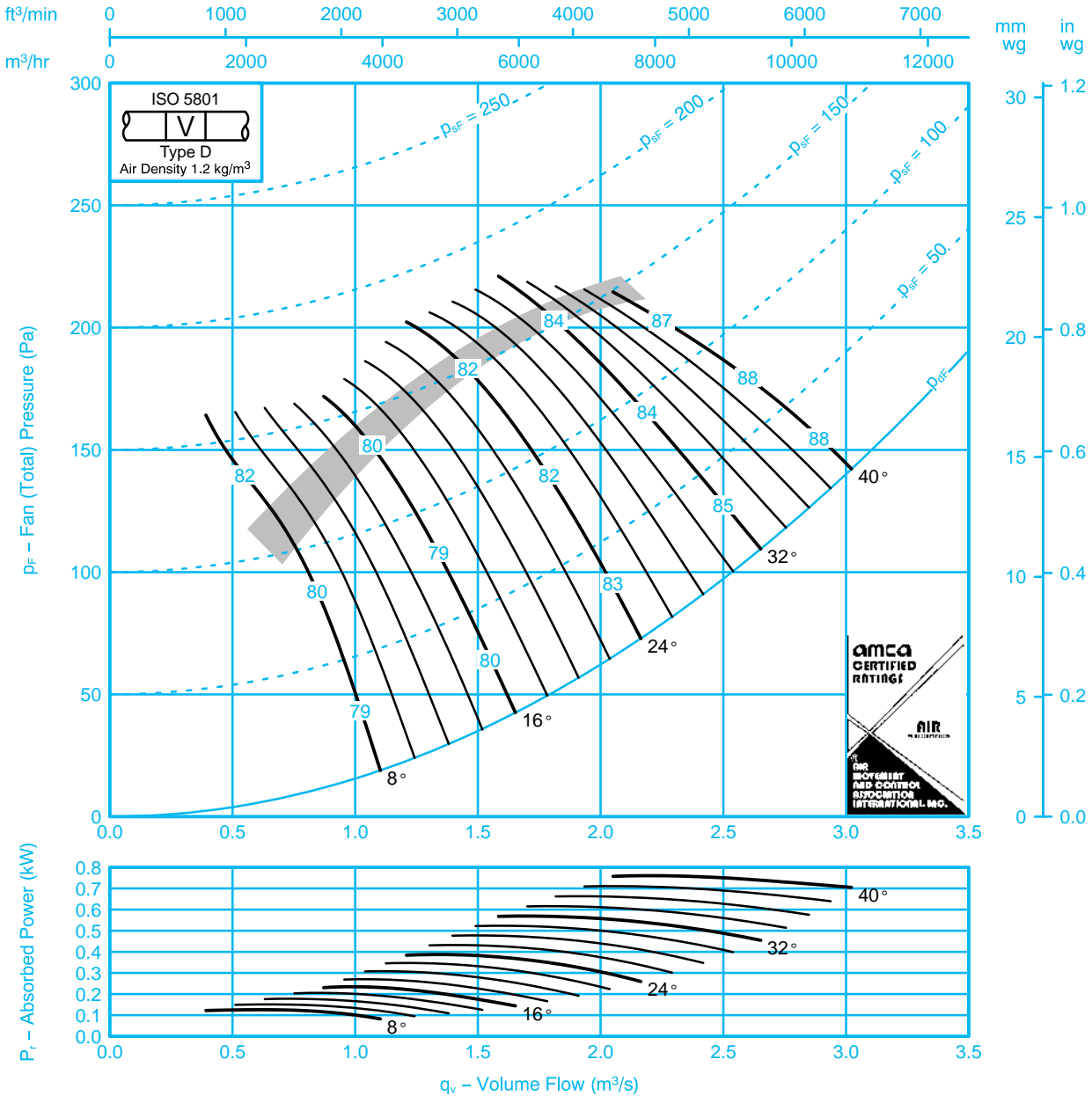
BS 5750 Pt 1  
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## 500 mm 1420 rev/min 5 Blades 50 Hz

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| Inlet Levels |                                   |     |     |     |     |     |     |     | Outlet Levels |                                   |     |     |     |     |     |     |     |
|--------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|---------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Pitch Angle  | Octave Band Centre Frequency (Hz) |     |     |     |     |     |     |     | Pitch Angle   | Octave Band Centre Frequency (Hz) |     |     |     |     |     |     |     |
|              | 63                                | 125 | 250 | 500 | 1k  | 2k  | 4k  | 8k  |               | 63                                | 125 | 250 | 500 | 1k  | 2k  | 4k  | 8k  |
| 8            | -13                               | -9  | -8  | -3  | -8  | -14 | -22 | -29 | 8             | -12                               | -7  | -8  | -3  | -8  | -14 | -21 | -27 |
|              | -15                               | -7  | -10 | -6  | -6  | -10 | -15 | -21 |               | -15                               | -6  | -9  | -6  | -6  | -8  | -14 | -19 |
| 16           | -12                               | -7  | -10 | -4  | -8  | -12 | -18 | -25 | 16            | -11                               | -7  | -10 | -4  | -8  | -12 | -18 | -23 |
|              | -11                               | -3  | -9  | -9  | -11 | -12 | -16 | -19 |               | -11                               | -3  | -9  | -9  | -11 | -12 | -15 | -18 |
| 24-40        | -5                                | -5  | -9  | -10 | -13 | -14 | -18 | -21 | 24-40         | -4                                | -4  | -9  | -10 | -13 | -14 | -17 | -20 |
|              | -6                                | -4  | -9  | -10 | -13 | -15 | -19 | -24 |               | -6                                | -3  | -9  | -10 | -13 | -15 | -18 | -22 |



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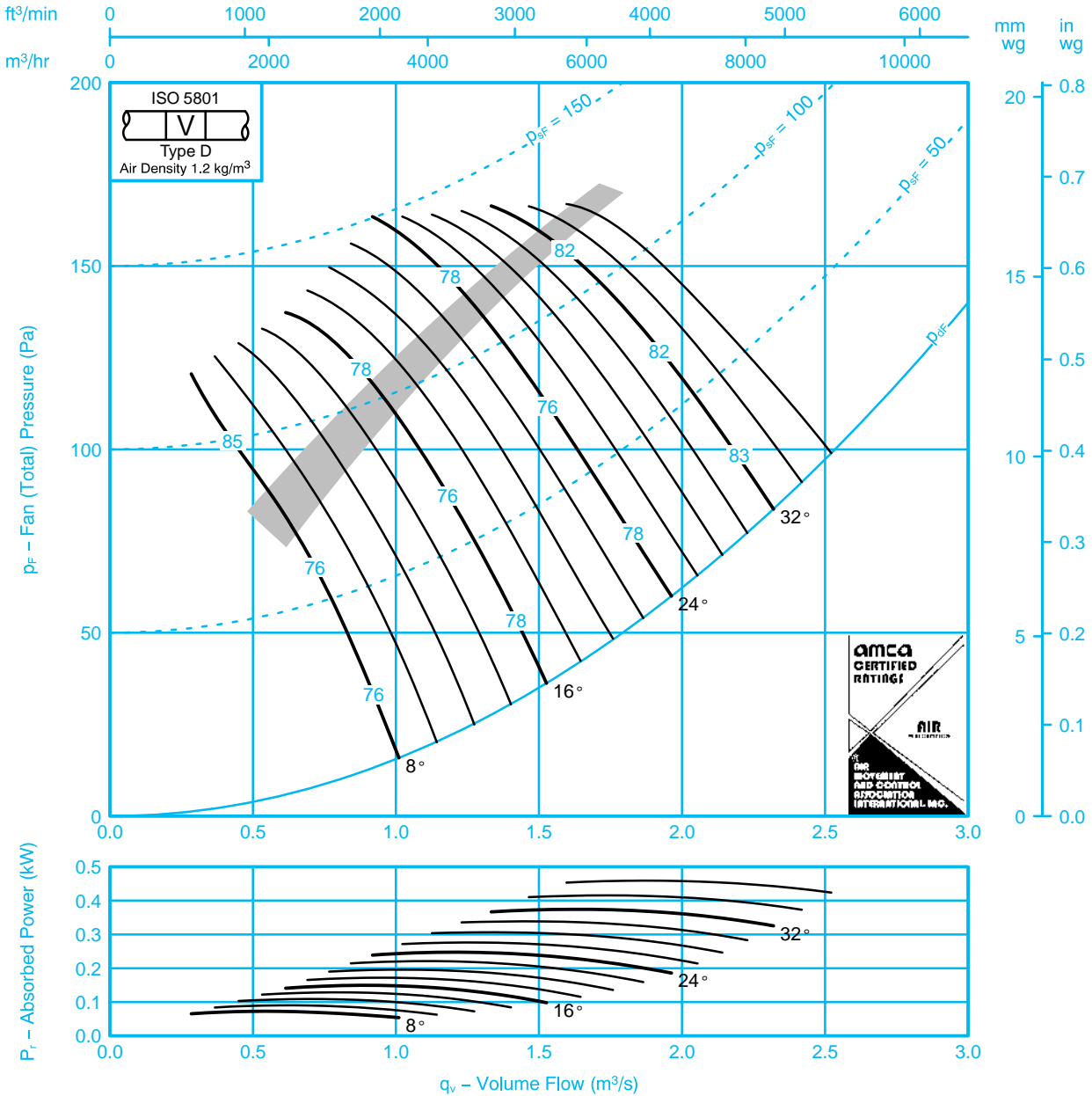
## Fan Code: 50JM/20/4/3/...

## 500 mm 1420 rev/min 3 Blades 50 Hz



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| Inlet Levels |                                   |     |     |     |     |     |     |     | Outlet Levels |                                   |     |     |     |     |     |     |     |
|--------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|---------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Pitch Angle  | Octave Band Centre Frequency (Hz) |     |     |     |     |     |     |     | Pitch Angle   | Octave Band Centre Frequency (Hz) |     |     |     |     |     |     |     |
|              | 63                                | 125 | 250 | 500 | 1k  | 2k  | 4k  | 8k  |               | 63                                | 125 | 250 | 500 | 1k  | 2k  | 4k  | 8k  |
| 8            | -16                               | -15 | -7  | -3  | -6  | -16 | -24 | -34 | 8             | -13                               | -14 | -7  | -3  | -6  | -15 | -23 | -32 |
|              | -8                                | -10 | -6  | -6  | -7  | -12 | -15 | -20 |               | -6                                | -10 | -6  | -6  | -7  | -12 | -13 | -18 |
| 16           | -8                                | -7  | -5  | -7  | -11 | -16 | -19 | -25 | 16            | -6                                | -7  | -5  | -7  | -11 | -15 | -18 | -24 |
|              | -5                                | -8  | -6  | -8  | -11 | -15 | -18 | -24 |               | -3                                | -8  | -6  | -8  | -11 | -15 | -17 | -23 |
| 24 - 36      | -5                                | -8  | -6  | -10 | -11 | -15 | -18 | -23 | 24 - 36       | -3                                | -7  | -6  | -9  | -10 | -14 | -17 | -20 |
|              | -4                                | -9  | -6  | -9  | -12 | -16 | -20 | -26 |               | -1                                | -8  | -6  | -9  | -12 | -16 | -19 | -24 |

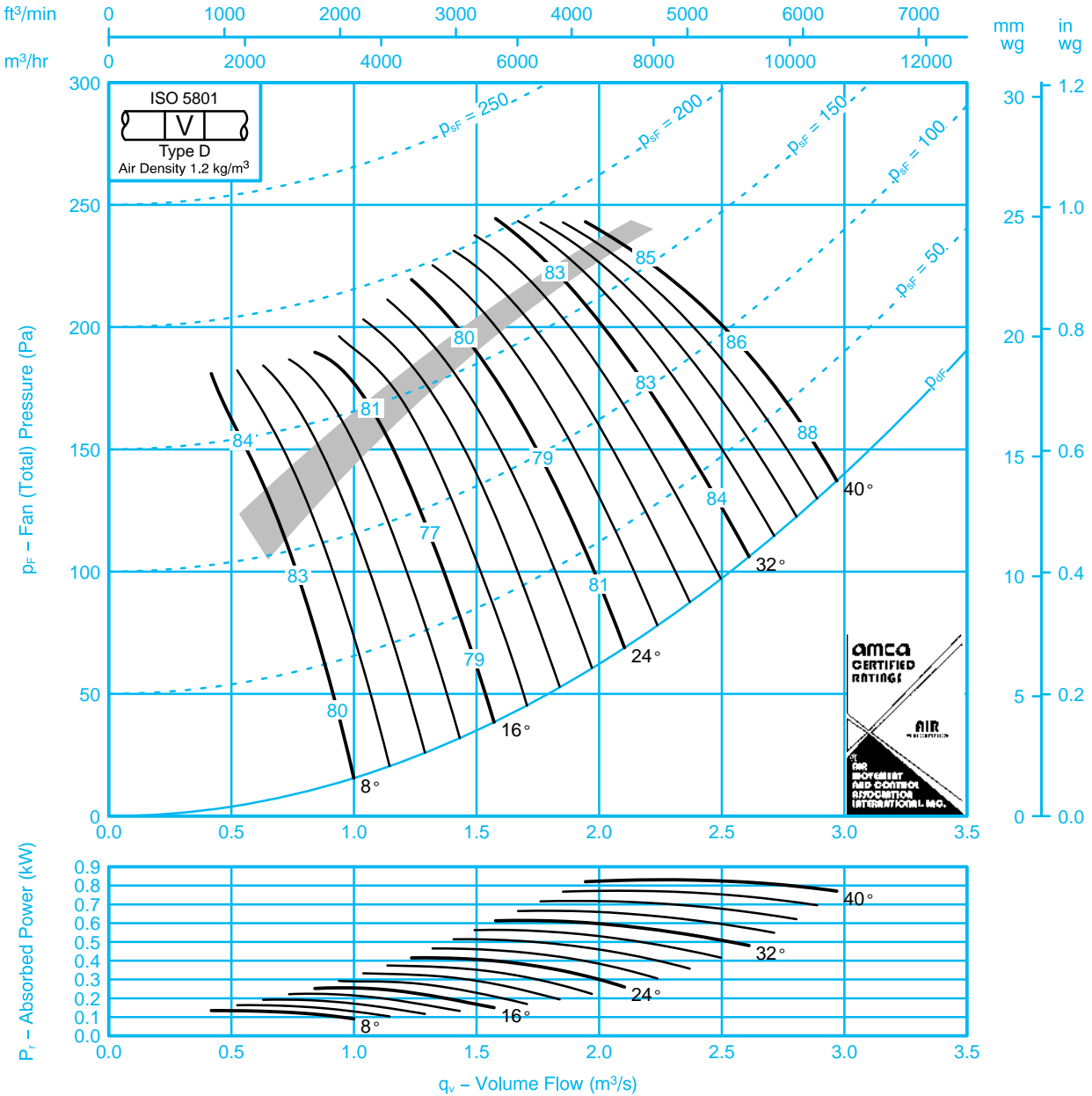


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|              | 63                                | 125 | 250 | 500 | 1k  | 2k  | 4k  | 8k  |               | 63                                | 125 | 250 | 500 | 1k  | 2k  | 4k  | 8k  |
| 8            | -20                               | -12 | -8  | -3  | -6  | -14 | -23 | -34 | 8             | -17                               | -10 | -8  | -3  | -5  | -13 | -22 | -32 |
|              | -19                               | -12 | -7  | -5  | -5  | -12 | -16 | -24 |               | -18                               | -10 | -7  | -5  | -5  | -11 | -15 | -23 |
| 16           | -15                               | -6  | -5  | -7  | -9  | -13 | -18 | -26 | 16            | -14                               | -5  | -5  | -7  | -8  | -13 | -18 | -25 |
|              | -14                               | -6  | -6  | -7  | -8  | -13 | -15 | -21 |               | -13                               | -6  | -7  | -8  | -8  | -13 | -15 | -20 |
| 24 - 40      | -7                                | -5  | -7  | -9  | -11 | -14 | -18 | -22 | 24 - 36       | -5                                | -4  | -7  | -9  | -10 | -13 | -16 | -21 |
|              | -7                                | -5  | -8  | -9  | -11 | -15 | -18 | -24 |               | -5                                | -3  | -7  | -9  | -11 | -15 | -17 | -23 |



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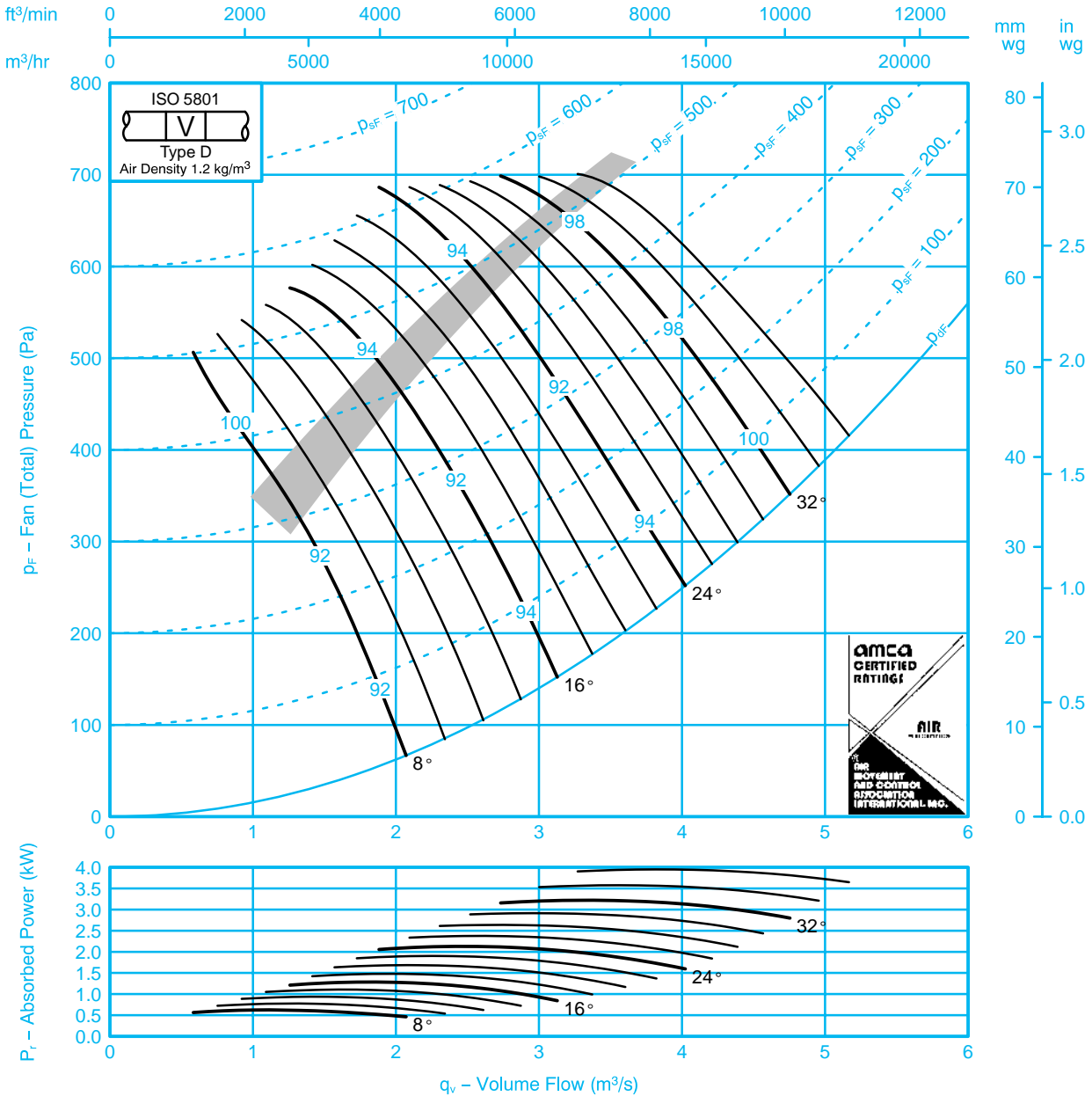
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If it is intended to run this fan in reverse for other than emergency operation, please refer to Woods Air Movement.

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|--------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|---------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Pitch Angle  | Octave Band Centre Frequency (Hz) |     |     |     |     |     |     |     | Pitch Angle   | Octave Band Centre Frequency (Hz) |     |     |     |     |     |     |     |
|              | 63                                | 125 | 250 | 500 | 1k  | 2k  | 4k  | 8k  |               | 63                                | 125 | 250 | 500 | 1k  | 2k  | 4k  | 8k  |
| 8            | -21                               | -16 | -15 | -8  | -4  | -7  | -17 | -25 | 8             | -18                               | -14 | -14 | -7  | -3  | -6  | -16 | -22 |
|              | -15                               | -8  | -11 | -7  | -7  | -8  | -13 | -15 |               | -14                               | -5  | -10 | -6  | -7  | -7  | -11 | -12 |
| 16           | -11                               | -9  | -7  | -5  | -8  | -12 | -17 | -20 | 16            | -10                               | -7  | -6  | -5  | -8  | -11 | -16 | -19 |
|              | -12                               | -6  | -9  | -6  | -9  | -11 | -16 | -19 |               | -10                               | -3  | -8  | -6  | -9  | -11 | -15 | -17 |
| 24-36        | -9                                | -5  | -8  | -7  | -11 | -12 | -16 | -19 | 24-36         | -7                                | -4  | -8  | -7  | -10 | -10 | -14 | -16 |
|              | -9                                | -4  | -10 | -7  | -10 | -12 | -17 | -21 |               | -7                                | -2  | -9  | -7  | -10 | -12 | -16 | -19 |



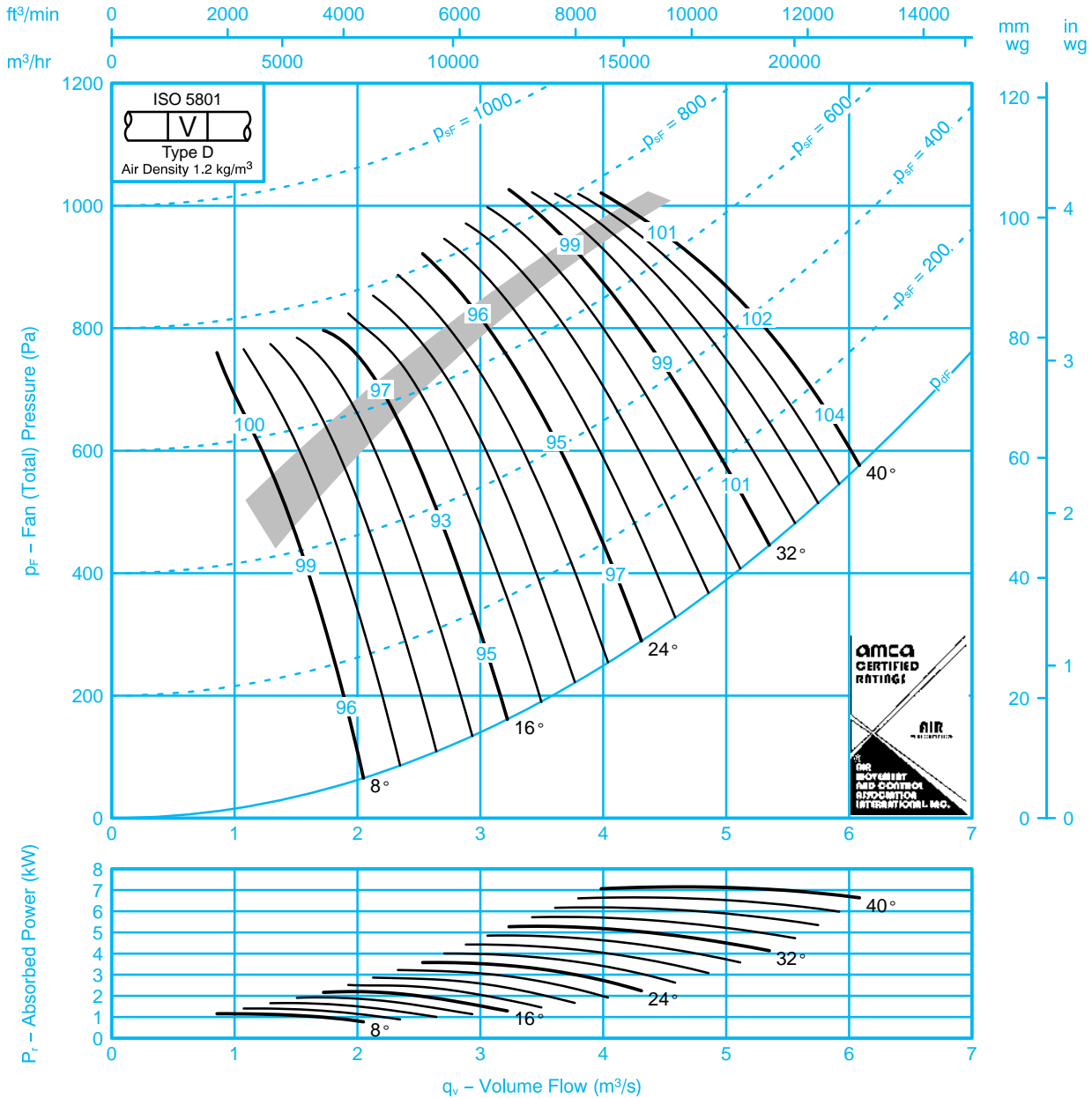
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|--------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|---------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Pitch Angle  | Octave Band Centre Frequency (Hz) |     |     |     |     |     |     |     | Pitch Angle   | Octave Band Centre Frequency (Hz) |     |     |     |     |     |     |     |
|              | 63                                | 125 | 250 | 500 | 1k  | 2k  | 4k  | 8k  |               | 63                                | 125 | 250 | 500 | 1k  | 2k  | 4k  | 8k  |
| 8            | -19                               | -20 | -13 | -9  | -4  | -7  | -16 | -24 | 8             | -16                               | -19 | -11 | -8  | -3  | -5  | -14 | -21 |
|              | -17                               | -20 | -12 | -8  | -6  | -5  | -12 | -17 |               | -15                               | -19 | -10 | -7  | -5  | -4  | -11 | -15 |
| 16           | -11                               | -16 | -7  | -5  | -7  | -9  | -14 | -19 | 16            | -10                               | -16 | -5  | -5  | -7  | -9  | -14 | -18 |
|              | -11                               | -15 | -7  | -6  | -8  | -9  | -13 | -16 |               | -9                                | -15 | -4  | -5  | -8  | -8  | -13 | -15 |
| 24-40        | -8                                | -8  | -7  | -8  | -10 | -12 | -16 | -19 | 24-40         | -6                                | -7  | -5  | -7  | -9  | -11 | -14 | -17 |
|              | -8                                | -8  | -6  | -9  | -10 | -12 | -16 | -19 |               | -5                                | -8  | -4  | -8  | -10 | -11 | -15 | -18 |