



Technical drawing of a Siemens YVF2-160 motor, showing front, side, and detail views with dimensions in mm.

**Front View Dimensions:**

- Overall width: 314 mm
- Overall height: 415 mm
- Flange diameter:  $\varnothing 300$  mm
- Mounting feet: 4x  $\varnothing 15^{+0.43}_0$  mm
- Terminal box: 200 mm wide, 83 mm high, 83 mm from center.
- Base mounting: 65 mm from center, 127 mm between feet.
- Flange thickness: 20 mm

**Side View Dimensions:**

- Overall length: L mm
- Overall width: 324 mm
- Terminal box: 150 mm wide, 78.5 mm from center, 30 mm from flange.
- Mounting feet: 70 mm from center, 25 mm from base.
- Base mounting: 110 mm from center, 108 mm from base.
- Flange thickness: 5 mm

**Detail View A-A:**

- Flange diameter:  $\varnothing 42^{+0.018}_{+0.002}$  mm
- Flange thickness: 12 mm
- Flange width: 45 mm

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Type/ 型号	B	BB	L
YVF2-160M1-2	210	260	665
YVF2-160M2-2	210	260	665
YVF2-160L-2	254	305	710
YVF2-160M-4	210	260	665
YVF2-160L-4	254	305	710
YVF2-160M-6	210	260	665
YVF2-160L-6	254	305	710
YVF2-160M1-8	210	260	665
YVF2-160M2-8	210	260	665
YVF2-160L-8	254	305	710

"包含螺栓头尺寸。

Tolerance	Surface	Material	Weight	Scale
			0	1:3
YVF2-160	Author: Li YaDong	DIMENSION SHEET V9E YVF2-160 B35		
	Creator: 2021-11-17 Li			
	Approval: 2021-11-19 Gao			
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- Base mounting: 65 mm from center, 127 mm between feet.

**Side View Dimensions:**

- Overall length: L mm
- Overall height:  $\varnothing 324^{+0}_0$  mm
- Terminal box: 150 mm wide, 78.5 mm from center, 30 mm from flange.
- Mounting feet: 70 mm from center, 25 mm from base.
- Base: 110  $\pm 0.43$  mm from flange, 108  $\pm 3$  mm from terminal box.
- Flange:  $\varnothing 250^{+0.016}_{-0.013}$  mm, 80 mm from center.
- Terminal box: M36x2/M36x2, 5  $^{+0}_-0.12$  mm from flange.

**Detail View A-A:**

- Flange:  $\varnothing 42^{+0.018}_{-0.002}$  mm, 12 mm from center.
- Overall height: 45 mm.

**Table 1: Motor Dimensions**

Type/型号	B	BB	L
YVF2-160M1-2	210	260	665
YVF2-160M2-2	210	260	665
YVF2-160L-2	254	305	710
YVF2-160M-4	210	260	665
YVF2-160L-4	254	305	710
YVF2-160M-6	210	260	665
YVF2-160L-6	254	305	710
YVF2-160M1-8	210	260	665
YVF2-160M2-8	210	260	665
YVF2-160L-8	254	305	710

**Table 2: Motor Specifications**

Parameter	Value
Type	YVF2-160
Power	1.5 kW
Voltage	230 V
Current	6.8 A
Speed	1450 rpm
Efficiency	85%
Power Factor	0.85
Service Factor	1.15
Insulation Class	F
Protection Class	IP54
Mounting	IC411

**Table 3: Motor Dimensions**

Parameter	Value
Overall Width	314 mm
Overall Height	415 mm
Flange Diameter	$\varnothing 300$ mm
Mounting Feet	4x $\varnothing 15^{+0.43}_0$ mm
Terminal Box	200 mm wide, 83 mm high
Base Mounting	65 mm from center, 127 mm between feet

**Table 4: Motor Dimensions**

Parameter	Value
Overall Length	L mm
Overall Height	$\varnothing 324^{+0}_0$ mm
Terminal Box	150 mm wide, 78.5 mm from center
Mounting Feet	70 mm from center, 25 mm from base
Base	110 $\pm 0.43$ mm from flange, 108 $\pm 3$ mm from terminal box
Flange	$\varnothing 250^{+0.016}_{-0.013}$ mm, 80 mm from center

**Table 5: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
Overall Height	45 mm

**Table 6: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
Overall Height	45 mm

**Table 7: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
Overall Height	45 mm

**Table 8: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
Overall Height	45 mm

**Table 9: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
Overall Height	45 mm

**Table 10: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
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**Table 11: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
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**Table 12: Motor Dimensions**

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Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
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**Table 13: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
Overall Height	45 mm

**Table 14: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
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**Table 15: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
Overall Height	45 mm

**Table 16: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
Overall Height	45 mm

**Table 17: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
Overall Height	45 mm

**Table 18: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
Overall Height	45 mm

**Table 19: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
Overall Height	45 mm

**Table 20: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
Overall Height	45 mm

**Table 21: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
Overall Height	45 mm

**Table 22: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
Overall Height	45 mm

**Table 23: Motor Dimensions**

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Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
Overall Height	45 mm

**Table 24: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
Overall Height	45 mm

**Table 25: Motor Dimensions**

Parameter	Value
Flange	$\varnothing 42^{+0.018}_{-0.002}$ mm, 12 mm from center
Overall Height	4

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- Terminal box: 150 mm wide, 78.5 mm from center, 30 mm from flange.
- Mounting feet: 70 mm from center, 25 mm from base.
- Base: 110  $\pm 0.43$  mm from flange, 108  $\pm 3$  mm from terminal box.
- Flange:  $\varnothing 250^{+0.016}_{-0.013}$  mm, 80 mm from center, DIN 332 DS M16x36.
- Terminal box: M36x2/M36x2, 5  $^{+0}_-0.12$  mm from flange.

**Detail View A-A:**

- Flange diameter:  $\varnothing 42^{+0.018}_{-0.002}$  mm
- Flange thickness: 12 mm
- Flange height: 45 mm

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**Table 2: Motor Specifications**

Parameter	Value
Weight	0 kg
Scale	1:3
Doc. Type	TB / Z
Paper Size	A2
1st Language	en
2nd Language	de
Sheet	1 of 1

**Notes:**

- 包含螺栓头尺寸。