



**Okta 500 GM ATEX, gas-cooled  
roots pump 230/400 V, 50Hz, DN  
100 PN 16**

## Okta 500 GM ATEX, gas-cooled roots pump 230/400 V, 50Hz, DN 100 PN 16

- High-performance gas-cooled roots pump with a pumping speed of 210 to 630 m<sup>3</sup>/h
- For applications in the low and medium vacuum range
- Connection DN 100 PN 16
- No thermal overload due to gas cooling
- With sealing gas connection
- Process-specific dimensioning and offer of a complete system with motor, gas cooler and coupling on request

Technical Data	Okta 500 GM ATEX, gas-cooled roots pump 230/400 V, 50Hz, DN 100 PN 16
Ambient temperature	5-40 °C   41-104 °F   278-313 K
Cooling gas connection	DN 65 PN16
Cooling method, standard	Gas-cooled
Dimensions (L x W x H)	1,111 x 456 x 450 mm   43.74 x 17.95 x 17.72 inch
Flange (in)	DN 100 PN 16
Flange (out)	DN 100 PN 16
Leak rate	1 · 10 <sup>-6</sup> Pa m <sup>3</sup> /s   7.5 · 10 <sup>-6</sup> Torr l/s   1 · 10 <sup>-5</sup> mbar l/s
Mains requirement: voltage 50 Hz	400/690 V
Motor protection	3TF
Noise level with connected exhaust line	75 – 105 dB (A)
Nominal pumping speed	210-630 m <sup>3</sup> /h   123.61-370.82 cfm   3,500-10,500 l/min
Nominal pumping speed at 50 Hz	520 m <sup>3</sup> /h   306.07 cfm   8,666.67 l/min
Nominal pumping speed at 60 Hz	630 m <sup>3</sup> /h   370.82 cfm   10,500 l/min
Nominal pumping speed max.	630 m <sup>3</sup> /h   370.82 cfm   10,500 l/min
Nominal pumping speed min.	210 m <sup>3</sup> /h   123.61 cfm   3,500 l/min
Nominal rotation speed at 50 Hz	3,000 rpm   3,000 min <sup>-1</sup>
Nominal rotation speed at 60 Hz	3,600 rpm   3,600 min <sup>-1</sup>
Operating fluid	P3
Operating fluid filling	3 l
Power consumption max.	75 kW
Protection category	IP55
Rated power 50 Hz	7.5 kW
Rotation speed	1,200-3,600 rpm   1,200-3,600 min <sup>-1</sup>
Sealing gas	true
Version	Ex II 2/2G Ex h IIB T3 Gb X +5 °C ≤ T <sub>a</sub> +40 °C with motor and magnetic coupling
Weight: with motor	350 kg   771.61 lb

Order number	
Okta 500 GM ATEX	PP G33 800

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