



Okta 500 G

Gas-cooled Roots pump with a pumping speed range from 210 to 630 m³/h

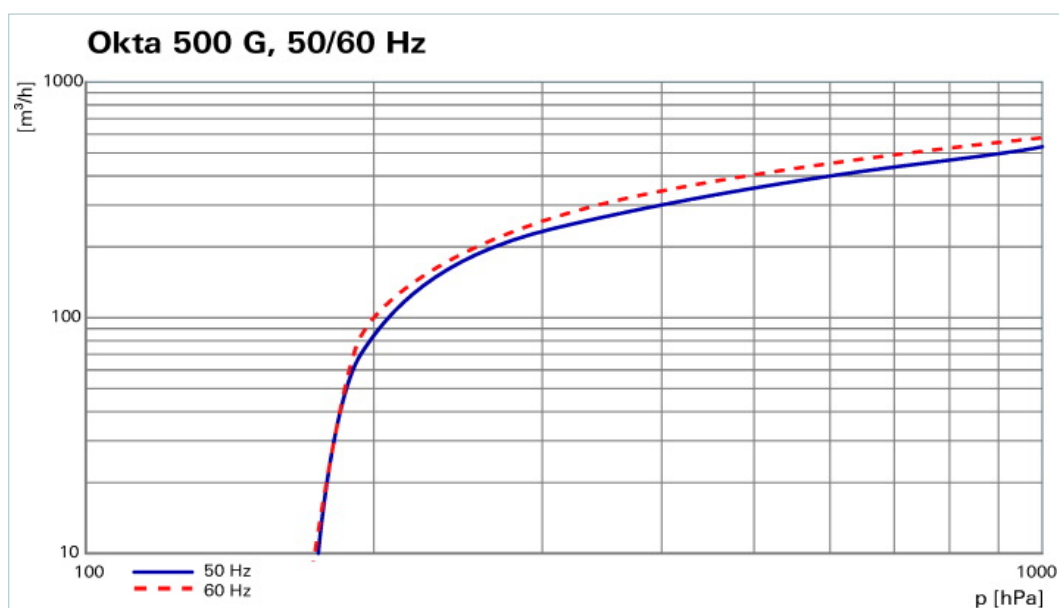




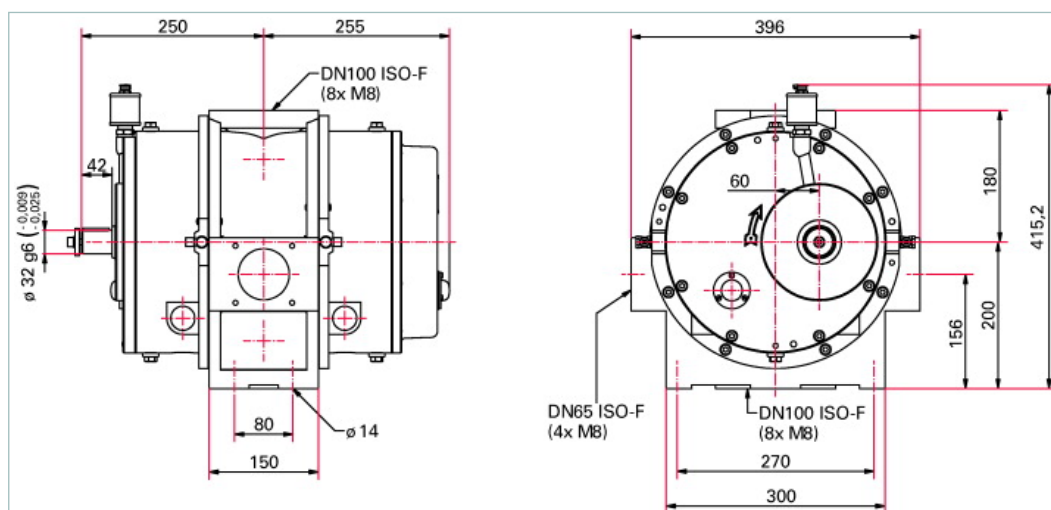
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Okta 500 G, gas-cooled Roots pump without motor, DN 100 ISO-F

- High-performance gas cooled roots pump with a pumping speed from 210 to 630 m³/h
- For applications in the low and medium vacuum
- Single stage pressure range from 130 to 1013 hPa, in series with smaller final pressure
- Connection flange DN 100 ISO-F
- No thermal overload thanks to gas cooling
- With sealing gas connection
- Customized design and offer of a complete unit for motor, gas cooler and coupling on request



Dimensions



Technical Data

Okta 500 G, gas-cooled Roots pump without motor, DN 100 ISO-F

Ambient temperature
Cooling gas connection

5-40 °C | 41-104 °F | 278-313 K
DN 63 ISO-F

Technical Data		Okta 500 G, gas-cooled Roots pump without motor, DN 100 ISO-F	
Cooling method, standard	Gas-cooled		
Flange (in)	DN 100 ISO-F		
Flange (out)	DN 100 ISO-F		
Leak rate	1 · 10 ⁻³ Pa m³/s 7.5 · 10 ⁻³ Torr l/s 1 · 10 ⁻² mbar l/s		
Motor rating	max. 18.5 kW		
Noise level with connected exhaust line	75-105 dB (A)		
Nominal pumping speed	210-630 m³/h		
Nominal pumping speed at 50 Hz	520 m³/h		
Nominal pumping speed at 60 Hz	630 m³/h		
Nominal rotation speed at 50 Hz	3000 min ⁻¹		
Nominal rotation speed at 60 Hz	3600 min ⁻¹		
Operating fluid	P3		
Operating fluid filling	3 l		
Protection category	IP 55		
Rotation speed	from 1200 to 3600 min ⁻¹		
Rotation speed max.	3600 min ⁻¹		
Rotation speed min.	1200 min ⁻¹		
Sealing gas	yes		
Ultimate pressure without gas ballast	130 hPa 97.5 Torr 130 mbar		
Weight: without motor	125 kg 275.57 lb		
Order number			
Okta 500 G		PP G30 001	

Accessories	
Adjusting elements for fastening the feet.	
Setting elements for foot mounting for Okta 500 G, 35 mm	PP 013 153 -T
Blank flange sets	
Blank flange set (Stainless steel) for Okta 500 G, DN ISO-K	PP 013 151 -T
Blank flange set for Okta 500 G, Stainless steel	PP 013 150 -T
DN ISO-F	
Mounting bolts (Stainless steel) for Okta 500 G, DN ISO-F	PP 013 146 -T
Mounting bolts (Zinc-plated Steel) for Okta 500 G, DN ISO-F	PP 013 145 -T
DN ISO-K	
Claw set (Stainless steel) for Okta 500 G, DN ISO-K	PP 013 147 -T
Claw set (Zinc-plated Steel) * for Okta 500 G, DN ISO-K	PP 013 149 -T
Claw set (Zinc-plated Steel) for Okta 500 G, DN ISO-K	PP 013 148 -T
Purge gas kit	
Sealing gas kit for Okta 500 G, G 1/8 (4x)	PP 013 050 -T
Sealing kits	
Centering ring with outer ring for cooling gas flange for Okta 500 G, DN ISO-F	PP 013 152 -T
Centering ring with outer ring for vacuum flange for Okta 500 / M / Okta 500 G, DN ISO-F	PF 303 110 -T
Splinter shield	
Splinter shield for Okta 500/500 M/500 G	PP 030 149 AX
Sprayer	
Sprayer DN ISO-F for Okta 500 / M / Okta 500 G	PP 042 649 -T
Temperature sensor	
Temperature sensor for Okta 250 / M / Okta 500 / M / Okta 1000 / M / Okta 2000 / M / Okta 4000 / M / Okta 6000 / M / Okta 500 G / Okta 1500 G / Okta 4000 G, G 3/8	PP 041 457 -T
Consumables	
P3, mineral oil, 5 l	PK 001 107 -T