



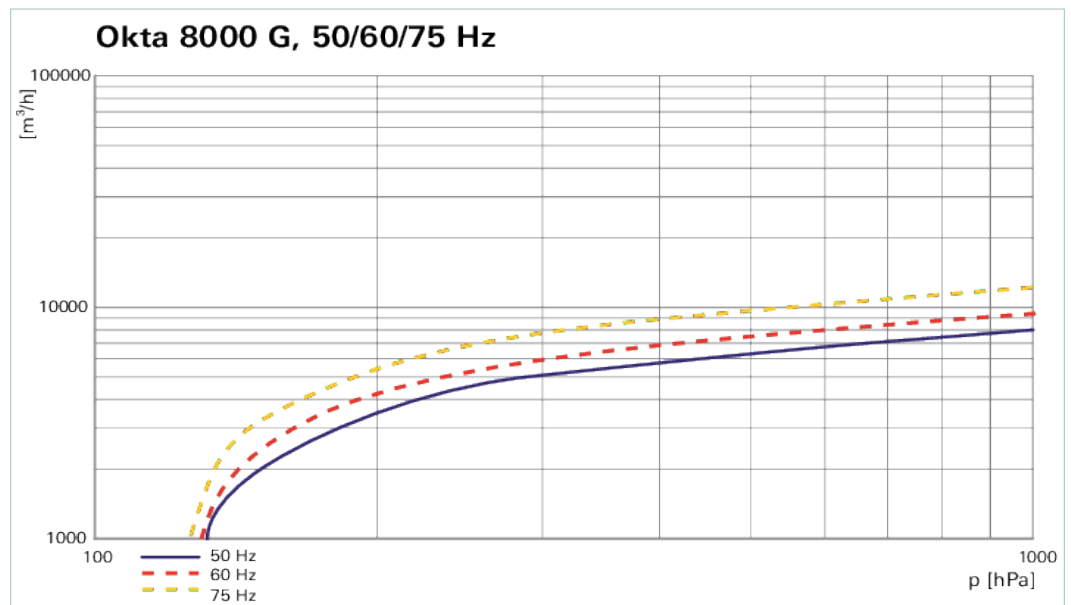
# Okta 8000 G, gas-cooled Roots pump without motor, DN 300 PN 10



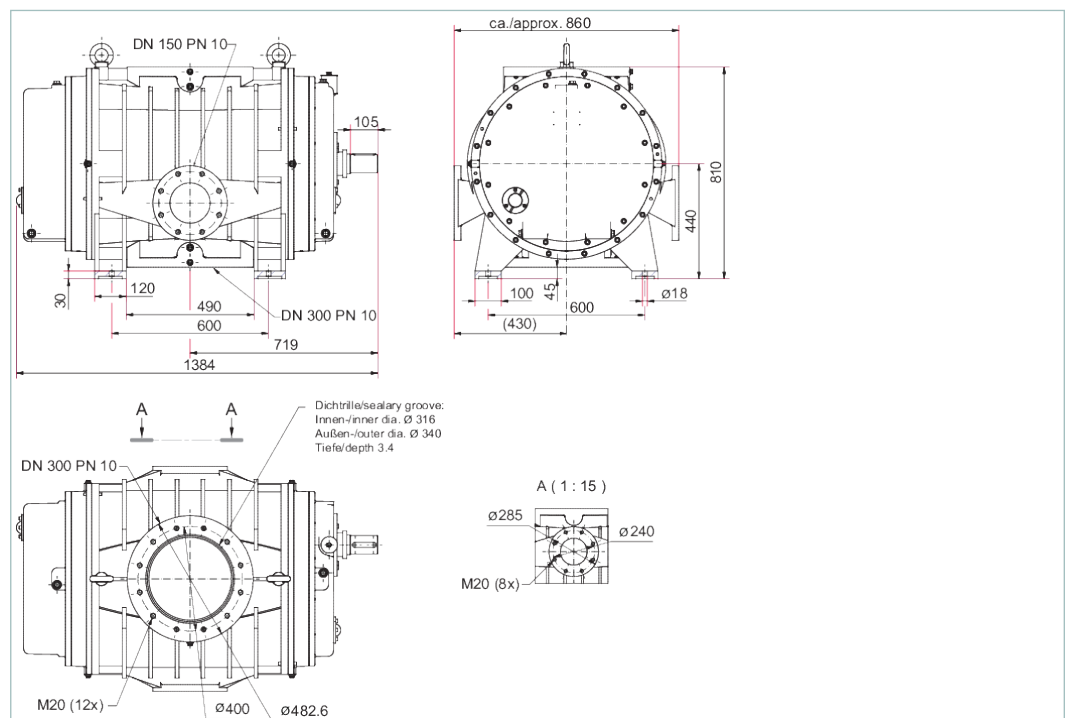
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## Okta 8000 G, gas-cooled Roots pump without motor, DN 300 PN 10

- High-performance gas cooled roots pump with a pumping speed from 4000 to 12000 m<sup>3</sup>/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 300 PN 10
- No thermal overload thanks to gas cooling
- With sealing gas connection
- Customized design and offer for motor, gas cooler, and coupling on request



### Dimensions



Technical Data	Okta 8000 G, gas-cooled Roots pump without motor, DN 300 PN 10
Ambient temperature	5-40 °C   41-104 °F   278-313 K
Cooling gas connection	DN 150 PN 10
Cooling method, standard	Gas-cooled
Flange (in)	DN 300 PN 10
Flange (out)	DN 300 PN 10
Leak rate	1 · 10 <sup>-3</sup> Pa m <sup>3</sup> /s   7.5 · 10 <sup>-3</sup> Torr l/s   1 · 10 <sup>-2</sup> mbar l/s
Motor rating	max. 200 kW
Noise level with connected exhaust line	75 – 105 dB (A)
Nominal pumping speed	4,000-12,000 m <sup>3</sup> /h   2,354.4-7,063.2 cfm   66,666.67-200,000 l/min
Nominal pumping speed at 50 Hz	8,000 m <sup>3</sup> /h   4,708.8 cfm   133,333.33 l/min
Nominal pumping speed at 60 Hz	9,600 m <sup>3</sup> /h   5,650.56 cfm   160,000 l/min
Nominal pumping speed max.	12,000 m <sup>3</sup> /h   7,063.2 cfm   200,000 l/min
Nominal pumping speed min.	4,000 m <sup>3</sup> /h   2,354.4 cfm   66,666.67 l/min
Nominal rotation speed at 50 Hz	1,500 rpm   1,500 min <sup>-1</sup>
Nominal rotation speed at 60 Hz	1,800 rpm   1,800 min <sup>-1</sup>
Operating fluid	P3
Operating fluid filling	21 l
Protection category	IP55
Rotation speed	750-2,250 rpm   750-2,250 min <sup>-1</sup>
Sealing gas	true
Ultimate pressure without gas ballast	1.3 · 10 <sup>2</sup> hPa   9.75 · 10 <sup>1</sup> Torr   1.3 · 10 <sup>2</sup> mbar
Weight: without motor	1,500 kg   3,306.9 lb

Order number	
Okta 8000 G	PP G80 001

<b>Accessories</b>	
<b>Cooling Finned tube coolers</b>	
Finned tube cooler for Okta 8000   Okta 4000 G   Okta 8000 G, G 3/8 (2x)	PP 047 289 -T
<b>Flanges/Ports Blank flanges</b>	
Blank flange set for Okta 8000 G, DN PN10 (stainless steel)	PP 001 828 -T
<b>Monitoring Temperature sensors</b>	
Temperature Sensor for Okta 8000  18000   Okta 8000 G, G 3/8	PP 048 156 -T
<b>Mounting Adjusting elements for fastening the feet</b>	
Setting elements for foot mounting for Okta 8000   Okta 8000 G, 35 mm + 10 mm ***	PP 047 451 -T
<b>Mounting Screw sets</b>	
Screw Set for Okta 4000 G   Okta 8000 G, DN PN10, Zinc-Plated Steel	PP 015 086 -T
<b>Mounting Sealing kits</b>	
Seal Kit (FKM) for Okta 8000 G, DN PN10	PP 001 829 -T
<b>Protection Flushing devices</b>	
Sprayer DN PN16/PN10 for Okta 8000 G	PP 001 827 -T
<b>Protection Sealing gas kits</b>	
Sealing gas kit (plastic tube) for Okta 250/M   Okta 300/M   Okta 500/M   Okta 600/M   Okta 800/M   Okta 1000/M   Okta 2000/M   Okta 4000/M   Okta 6000/M   Okta 8000   Okta 1500 G   Okta 4000 G   Okta 8000 G, G 3/8 (4x)	PP 027 401 -T
<b>Protection Splinter shields</b>	
Splinter shield for Okta 8000	PP 030 152 -X
Splinter shield for Okta 8000 G	PP 070 315 -U
<b>Consumables</b>	
P3, mineral oil, 1 l	PK 001 106 -T
P3, mineral oil, 20 l	PK 001 108 -T

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