



# Okta 8000 G

Gas-cooled Roots pump with a pumping speed range from 4.000 to 12.000 m<sup>3</sup>/h

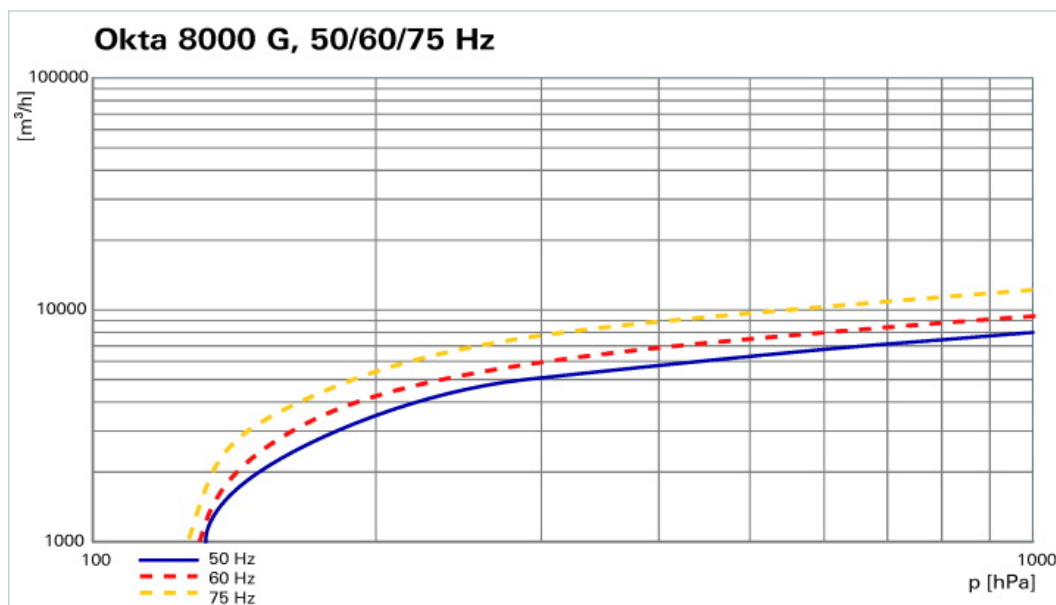




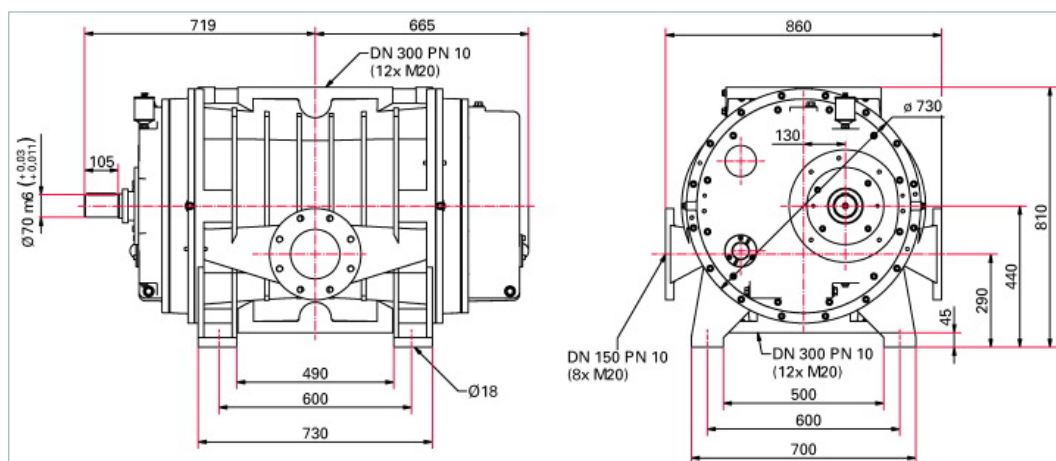
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## Okta 8000 G, gas-cooled Roots pump without motor, DN 300 PN 10

- 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

Technical Data	Okta 8000 G, gas-cooled Roots pump without motor, 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	4000-12000 m <sup>3</sup> /h
Nominal pumping speed at 50 Hz	8000 m <sup>3</sup> /h
Nominal pumping speed at 60 Hz	9600 m <sup>3</sup> /h
Nominal rotation speed at 50 Hz	1500 min <sup>-1</sup>
Nominal rotation speed at 60 Hz	1800 min <sup>-1</sup>
Operating fluid	P3
Operating fluid filling	21 l
Protection category	IP 55
Rotation speed	from 750 to 2250 min <sup>-1</sup>
Rotation speed max.	2250 min <sup>-1</sup>
Rotation speed min.	750 min <sup>-1</sup>
Sealing gas	yes
Ultimate pressure without gas ballast	130 hPa   97.5 Torr   130 mbar
Weight: without motor	1,500 kg   3,306.9 lb

Order number	
Okta 8000 G	PP G80 001

Accessories	
<b>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>Blank flange sets</b>	
Blank flange set (Stainless steel) for Okta 8000 G, DN PN16/PN10	PP 001 828 -T
<b>DN PN16/PN10</b>	
Mounting bolts (Zinc-plated Steel) for Okta 4000 G / Okta 4000 G, Okta 8000 G, DN PN16/PN10	PP 015 086 -T
<b>Finned tube cooler</b>	
Finned tube cooler for Okta 8000 / Okta 4000 G / Okta 8000 G, G 3/8 (2x)	PP 047 289 -T
<b>Purge gas kit</b>	
Sealing gas kit for Okta 250 / M / Okta 500 / 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>Sealing kits</b>	
Seal kit (FKM) for Okta 8000 G, DN PN16/PN10	PP 001 829 -T
<b>Splinter shield</b>	
Splinter shield for Okta 8000/Okta 8000 G	PP 030 152 -X
Splinter shield for Okta 8000 G	PP 070 315 -U
<b>Sprayer</b>	
Sprayer DN PN16/PN10 for Okta 8000 G	PP 001 827 -T
<b>Temperature sensor</b>	
Temperature sensor for Okta 18000, G 3/8	PP 048 156 -T
Temperature sensor for Okta 8000 / Okta 8000 G, G ½	PP 047 452 -T
<b>Consumables</b>	
P3, mineral oil, 1 l	PK 001 106 -T
P3, mineral oil, 20 l	PK 001 108 -T