



Okta 18000

Roots pump with a pumping speed of 7310 to 27400 m³/h:



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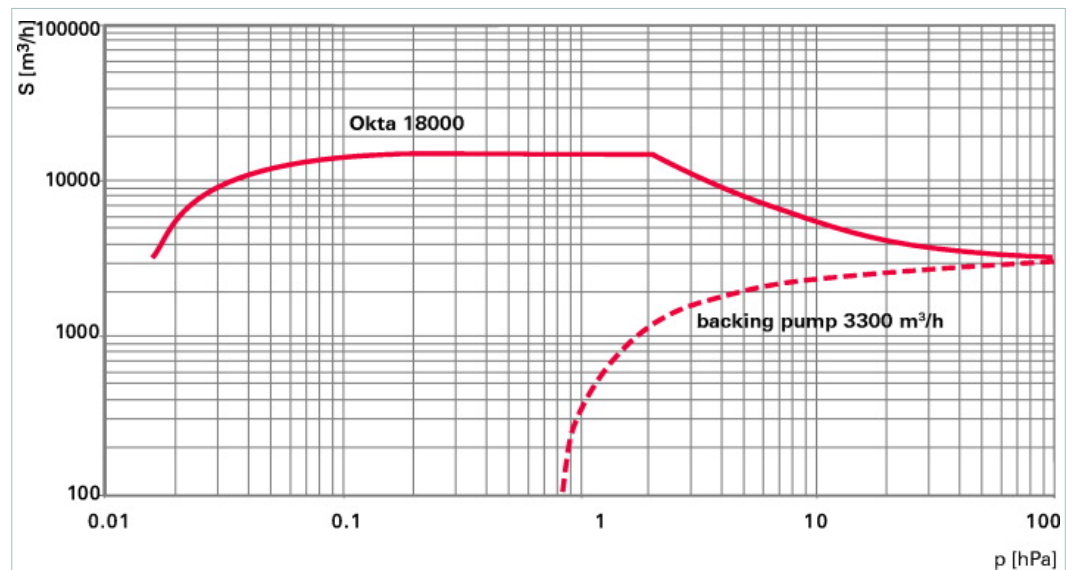


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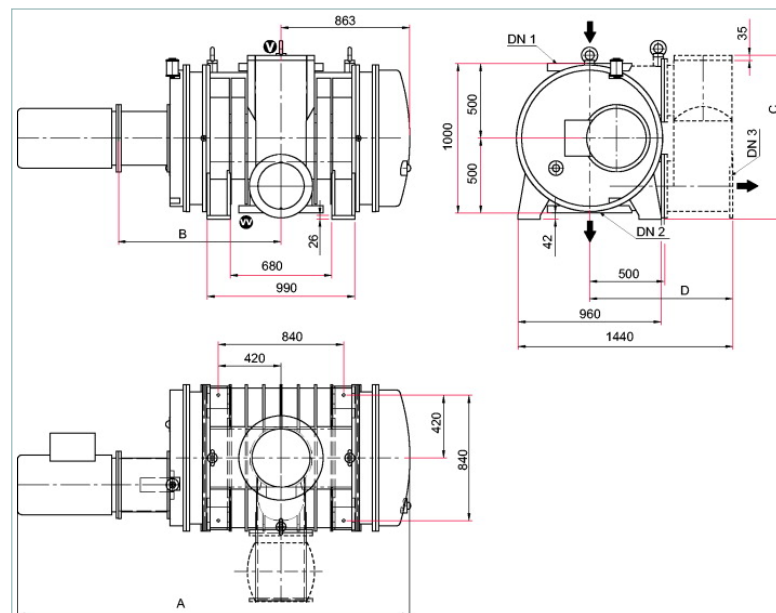
Okta 18000, Roots pump, 400/690 V, 50 Hz; 460 V, 60 Hz

- High-performance Roots pump with a pumping speed of 7310 to 27400 m³/h
- For mains voltage: 400 V, 50 Hz respectively 460 V, 60 Hz
- No thermal overload thanks to integral overflow valve
- For applications in the low and medium vacuum

Okta = Standard pumps with radial shaft sealing rings, housing parts made of gray cast iron or nodular graphite cast iron, flange connection in accordance with ISO-F



Dimensions



A	2789 mm
B	1090 mm
C	1099 mm
D	960 mm
DN 1	DN 400 PN 10
DN 2	DN 400 PN 10
DN 3	DN 320 ISO-F

Technical Data

Okta 18000, Roots pump, 400/690 V, 50 Hz;
460 V, 60 Hz

Ambient temperature	5-40 °C 41-104 °F 278-313 K
Cooling method, standard	Air
Differential pressure at the overflow valve	7 hPa 5.25 Torr 7 mbar

Technical Data		Okta 18000, Roots pump, 400/690 V, 50 Hz; 460 V, 60 Hz	
Emission sound pressure level (EN ISO 2151) at intake pressure 10 hPa	79 dB (A)		
Emission sound pressure level (EN ISO 2151) at intake pressure 1 hPa	75 dB (A)		
Flange (in)	DN 400 PN 10		
Flange (out)	DN 400 PN 10		
Leak rate	$1 \cdot 10^{-3} \text{ Pa m}^3/\text{s}$ $7.5 \cdot 10^{-3} \text{ Torr l/s}$ $1 \cdot 10^{-2} \text{ mbar l/s}$		
Mains requirement: voltage 50 Hz	400/690 V		
Mains requirement: voltage 60 Hz	460 V		
Motor protection	3TF		
Nominal pumping speed	7310-27400 m ³ /h		
Nominal pumping speed at 50 Hz	18270 m ³ /h		
Nominal pumping speed at 60 Hz	21925 m ³ /h		
Nominal rotation speed at 50 Hz	1500 min ⁻¹		
Nominal rotation speed at 60 Hz	1800 min ⁻¹		
Operating fluid	P3		
Operating fluid filling	68 l		
Protection category	IP 55		
Rated power 50 Hz	45 kW		
Rated power 60 Hz	52 kW		
Rotation speed	from 1200 to 2250 min ⁻¹		
Rotation speed max.	2250 min ⁻¹		
Rotation speed min.	1200 min ⁻¹		
Version	Standard with motor		
Weight: with motor	3,100 kg 6,834.26 lb		
Order number			
Okta 18000		PP W90 000	

Accessories	
Adjusting elements for fastening the feet.	
Setting elements for foot mounting for Okta 18000, 35 mm	PP 048 155 -T
Blank flange sets	
Blank flange set (Stainless steel) for Okta 18000, DN PN16/PN10	PP 048 151 -T
DN PN16/PN10	
Mounting bolts (Zinc-plated Steel) for Okta 18000, DN PN16/PN10	PP 048 153 -T
Finned tube cooler	
Finned tube cooler for Okta 18000, G 1/2 (2x)	PP 048 149 -T
Frequency converter	
Frequency converter (Complete with control box) Okta 18000	PP 078 316 -T
Purge gas kit	
Sealing gas kit for Okta 18000, G 1/2 (4x)	PP 048 068 -T
Sealing kits	
Seal kit (FKM) for Okta 18000, DN PN16/PN10	PP 048 154 -T
Splinter shield	
Splinter shield for Okta 18000	PP 030 336 -T
Sprayer	
Sprayer DN PN16/PN10 for Okta 18000	PP 048 150 -T
Temperature sensor	
Temperature sensor for Okta 18000, G 3/8	PP 048 156 -T
Consumables	
P3, mineral oil, 1 l	PK 001 106 -T
P3, mineral oil, 5 l	PK 001 107 -T
P3, mineral oil, 20 l	PK 001 108 -T