



Okta 300

Roots pumps with a pumping speed from 290 to 580 m³/h:



 伯東
Hakuto

PFEIFFER  **VACUUM**



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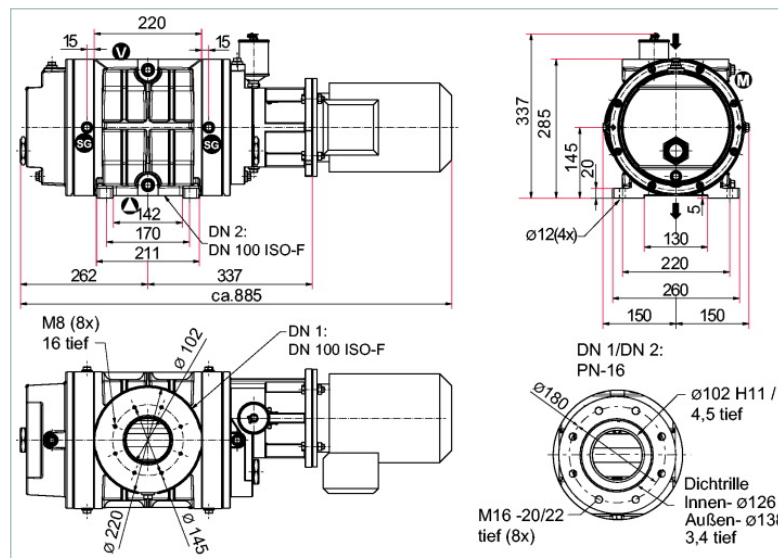
Okta 300, Roots pump, 230/400 V, 50 Hz; 265/460 V, 60 Hz

- High-performance Roots pump with a pumping speed of 290 to 435 m³/h
- With 3-phase motor, IE2
- For applications in the low and medium vacuum

Okta = Standard pumps with radial shaft sealing rings, housing parts made of nodular graphite cast iron, flange connection in accordance with ISO-F or PN-16

Okta M = Standard pumps, hermetically sealed thanks to magnetic coupling, housing parts made of nodular graphite cast iron, flange connection in accordance with ISO-F or PN-16

Dimensions



DN 1	DN 100 ISO-F
DN 2	DN 100 ISO-F

Technical Data

Okta 300, Roots pump, 230/400 V, 50 Hz; 265/460 V, 60 Hz

Ambient temperature	5-40 °C 41-104 °F 278-313 K
Cooling method, standard	Air
Differential pressure max.	35-60 hPa 26.25-45 Torr 35-60 mbar
Emission sound pressure level (EN ISO 2151) at intake pressure 10 hPa	75 dB (A)
Emission sound pressure level (EN ISO 2151) at intake pressure 1 hPa	70 dB (A)
Flange (in)	DN 100 ISO-F
Flange (out)	DN 100 ISO-F
Leak rate	1 · 10 ⁻³ Pa m ³ /s 7.5 · 10 ⁻³ Torr l/s 1 · 10 ⁻² mbar l/s
Mains requirement: voltage 50 Hz	230/400 V
Mains requirement: voltage 60 Hz	265/460 V
Nominal pumping speed	290-580 m ³ /h
Nominal pumping speed at 50 Hz	290 m ³ /h
Nominal pumping speed at 60 Hz	350 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	1.5 l
Protection category	IP 55

Technical Data		Okta 300, Roots pump, 230/400 V, 50 Hz; 265/460 V, 60 Hz	
Rated power 50 Hz		1.1 kW	
Rated power 60 Hz		1.3 kW	
Rotation speed		1500-3000 min ⁻¹	
Rotation speed max.		3000 min ⁻¹	
Rotation speed min.		1500 min ⁻¹	
Version		Standard with motor	
Weight: with motor		120 kg 264.55 lb	
Order number			
Okta 300		PP W24 000	

Accessories	
Accessories	
Oil level monitoring 20-250 V AC for Okta 250 / M / Okta 500 / M / Okta 1000 / M / Okta 2000 / M / Okta 4000 / M / Okta 6000 / M, G 1 1/4	PK 004 930 -U
Oil level monitoring 24 V DC for Okta 250 / M / Okta 500 / M / Okta 1000 / M / Okta 2000 / M / Okta 4000 / M / Okta 6000 / M, G 1 1/4	PK 005 639 -U
Adjusting elements for fastening the feet.	
Setting elements for foot mounting for Okta 250 / M / Okta 500 / M / Okta 1000 / M, 35 mm	PP 041 454 -T
Blank flange sets	
Blank flange set (Stainless steel) for Okta 500 / M, DN ISO-K	PP 042 665 -T
Blank flange set (Stainless steel) for Okta 500 / M / ATEX, DN PN16/PN10	PP 042 666 -T
Blank flange set for Okta 500 / M, Stainless steel	PP 042 664 -T
DN ISO-F	
Mounting bolts (Stainless steel) for Okta 500 / M, DN ISO-F	PP 042 655 -T
Mounting bolts (Zinc-plated Steel) for Okta 500 / M, DN ISO-F	PP 042 645 -T
DN ISO-K	
Claw set (Stainless steel) for Okta 500 / M, DN ISO-K	PP 042 660 -T
Claw set (Zinc-plated Steel) * for Okta 500 / M, DN ISO-K	PP 042 662 -T
Claw set (Zinc-plated Steel) for Okta 500 / M, DN ISO-K	PP 042 661 -T
DN PN16/PN10	
Mounting bolts (Zinc-plated Steel) for Okta 500 / M / ATEX, DN PN16/PN10	PP 042 663 -T
Frequency converter	
Frequency converter (Complete with control box) Okta 500 / M	PP 078 296 -T
Oil compensating line (with oil level monitoring)	
Oil compensating line with oil level monitoring for Okta 250 / M / Okta 500 / M, G 3/8 (4x), G 1 1/4 (1x)	PP 031 446 -T
Purge gas kit	
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
Sealing kits	
Centering ring with outer ring for vacuum flange for Okta 500 / M / Okta 500 G, DN ISO-F	PF 303 110 -T
Seal kit (FKM) for Okta 500 / M / ATEX, DN PN16/PN10	PP 042 667 -T
Splinter shield	
Splinter shield for Okta 500	PP 042 350 -X
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
Sprayer DN PN16/PN10 for Okta 500 / M	PP 042 650 -T

Accessories	
Consumables	
P3, mineral oil, 1 l	PK 001 106 -T
P3, mineral oil, 0.5 l	PK 001 136 -T
P3, mineral oil, 5 l	PK 001 107 -T
P3, mineral oil, 20 l	PK 001 108 -T