



# Okta 250

Roots pumps with a pumping speed from 145 to 440 m<sup>3</sup>/h:





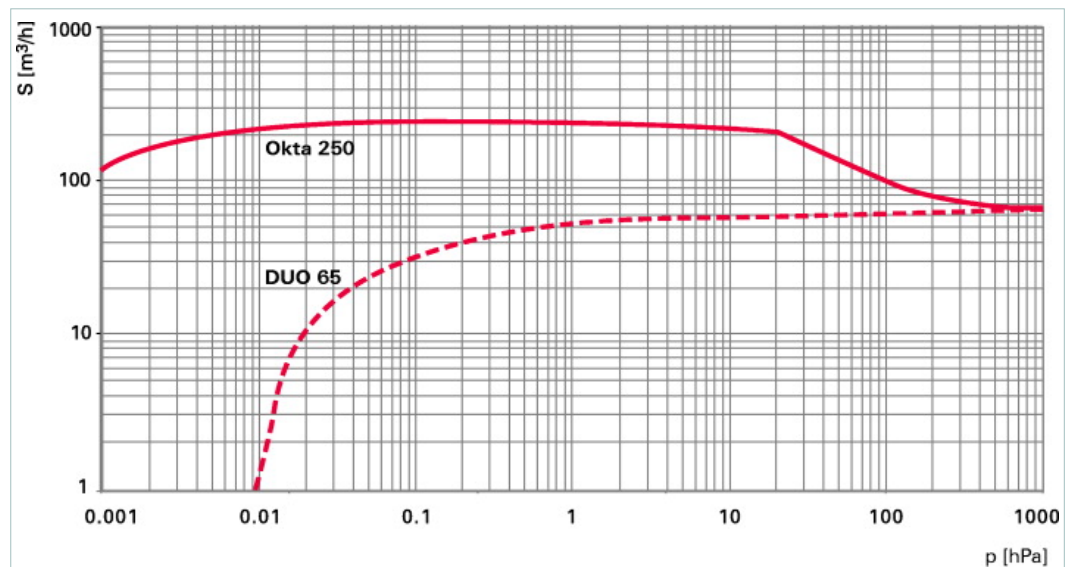
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## Okta 250 M, Roots pump, 230/400 V, 50 Hz; 265/460 V, 60 Hz

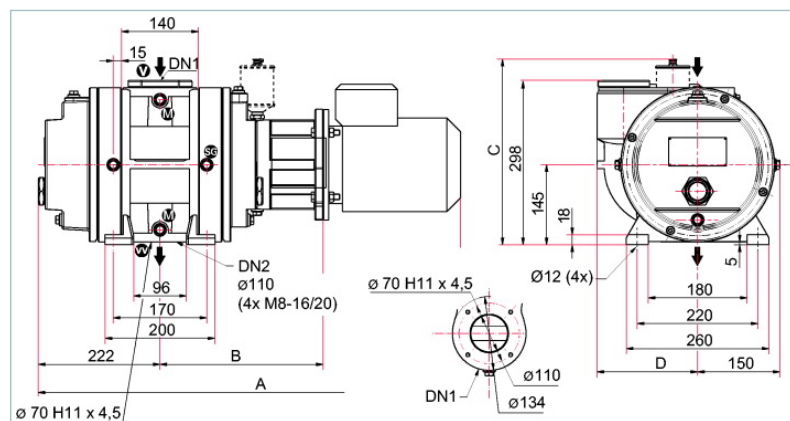
- High-performance Roots pump with a pumping speed of 145 to 440 m<sup>3</sup>/h and magnetic coupling
- With 3-phase motor, IE2
- No thermal overload thanks to integral overflow valve
- For applications in the low and medium vacuum

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

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



### Dimensions



A	799 mm
B	327 mm
C	298 mm
D	183 mm
DN 1	DN 63 ISO-F
DN 2	DN 63 ISO-F

### Technical Data

#### Okta 250 M, 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 at the overflow valve	75 hPa   56.25 Torr   75 mbar
Emission sound pressure level (EN ISO 2151) at intake pressure 10 hPa	75 dB (A)

Technical Data		Okta 250 M, Roots pump, 230/400 V, 50 Hz; 265/460 V, 60 Hz	
Emission sound pressure level (EN ISO 2151) at intake pressure 1 hPa		70 dB (A)	
Flange (in)		DN 63 ISO-F	
Flange (out)		DN 63 ISO-F	
Leak rate		1 · 10 <sup>-6</sup> Pa m <sup>3</sup> /s   7.5 · 10 <sup>-6</sup> Torr l/s   1 · 10 <sup>-5</sup> mbar l/s	
Mains requirement: voltage 50 Hz		230/400 V	
Mains requirement: voltage 60 Hz		265/460 V	
Motor protection		3TF	
Nominal pumping speed		145-440 m <sup>3</sup> /h	
Nominal pumping speed at 50 Hz		290 m <sup>3</sup> /h	
Nominal pumping speed at 60 Hz		350 m <sup>3</sup> /h	
Nominal rotation speed at 50 Hz		3000 min <sup>-1</sup>	
Nominal rotation speed at 60 Hz		3600 min <sup>-1</sup>	
Operating fluid		P3	
Operating fluid filling		1.5 l	
Protection category		IP 55	
Rated power 50 Hz		0.75 kW	
Rated power 60 Hz		0.90 kW	
Rotation speed		from 1500 to 4500 min <sup>-1</sup>	
Rotation speed max.		4500 min <sup>-1</sup>	
Rotation speed min.		1500 min <sup>-1</sup>	
Version		Standard with motor and magnetic coupling	
Weight: with motor		122 kg   268.96 lb	

Order number	
Okta 250	PP W22 000

Accessories	
<b>Accessories</b>	
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
<b>Adjusting elements for fastening the feet.</b>	
Setting elements for foot mounting for Okta 250 / M / Okta 500 / M / Okta 1000 / M, 35 mm	PP 041 454 -T
<b>Blank flange sets</b>	
Blank flange set (Stainless steel) for Okta 250 / M, DN ISO-K	PP 041 453 -T
Blank flange set for Okta 250 / M, Stainless steel	PP 041 452 -T
<b>DN ISO-F</b>	
Mounting bolts (Stainless steel) for Okta 250 / M, DN ISO-F	PP 041 448 -T
Mounting bolts (Zinc-plated Steel) for Okta 250 / M, DN ISO-F	PP 041 444 -T
<b>DN ISO-K</b>	
Claw set (Stainless steel) for Okta 250 / M, DN ISO-K	PP 041 449 -T
Claw set (Zinc-plated Steel) * for Okta 250 / M, DN ISO-K	PP 041 451 -T
Claw set (Zinc-plated Steel) for Okta 250 / M, DN ISO-K	PP 041 450 -T
<b>Frequency converter</b>	
Frequency converter (Complete with control box) Okta 250 / M	PP 078 292 -T
<b>Gear chamber evacuation</b>	
Gear box exhaust (Flexible hose) for Okta 250 / M / Okta 500 / M, G 3/8 (3x)	PP 041 456 -T
Gear box exhaust (Plastic hose) for Okta 1000 / M, G 3/8 (3x)	PP 041 455 -T
<b>Oil compensating line (with oil level monitoring)</b>	
Oil compensating line with oil level monitoring for Okta 250 / M / Okta 500 / M, G 3/8 (4x), G 1 1/4 (1x)	PP 031 452 -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>	
Centering ring with outer ring for vacuum flange for Okta 250 / M, DN ISO-F	PF 303 106 -T
<b>Splinter shield</b>	
Splinter shield for Okta 250/250 M	PK 300 010 -X
<b>Sprayer</b>	
Sprayer DN ISO-F for Okta 250 / M	PP 041 441 -T
<b>Temperature sensor</b>	
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
<b>Consumables</b>	
P3, mineral oil, 1 l	PK 001 106 -T