

Roots Vacuum Pump (Okta 8000):

Ambient Temperature : 5 - 40°C

Cooling Method standard : Air

Differential Pressure at the overflow valve : 23 hPa

Emission sound pressure level (EN ISO 2151) at intake pressure 10 hPa : 78 dB(A)

Flange (in) : DN 320 ISO-F

Leak Rate : $1.10^3 \text{ Pa m}^3/\text{s}$

Operating Fluid : P3

Operating Fluid Amount : 21 L

Protection Category : IP55

Rotation Speed Max. : 2250 rpm

Version : Standard without motor

Nominal Pumping Speed at 50 Hz : $8370 \text{ m}^3/\text{hr}$

Cooling Method : Standard Air Cooled

Housing Parts should be made of Gray Cast Iron or Nodular Graphite Cast Iron

Inlet Flange : DN 320 ISO-F

Outlet Flange : DN 320 ISO-F at the bottom of the pump

Pump should have additional facility of having additional outlet flange of DN 250 ISO-F at the side of the pump for ease of installation

The pump built in with vertical mounting (90°, gravity type overflow valve , enabling it to start from atmospheric pressure)

Differential pressure at overflow valve : 23 mbar

Leak Rate : $1 \times 10^{-3} \text{ mbar l/s}$

Gear Box and bearings are separated from the gas pumping chamber

Motor Rating : 22 kW, mains Voltage 400/690, 50 Hz, 3 Phase

Motor Protection : 3TF included in the motor

Rotation Speed : 1500 rpm at 50 Hz

Emission sound pressure level (EN ISO 2151) at intake pressure 10 mbar : 78 dB(A)

Emission sound pressure level (EN ISO 2151) at intake pressure 1 mbar : 74 dB(A)