

TECHNICAL DATA STANDARD CONFIGURATION

DUST LOCK – DL

- ▶ Large inlet
- ▶ Universal flange connection to either round or square connection
- ▶ Universal direct drive



General data

Flange connection	Round-square PN 10		
Maximum allowable working pressure	-0.5 barg ... 0.5 barg		
Allowable conveying product temperature	... +70°C		
Size DL	200	250	300
Capacity	6 Ltr./rev	8.50 Ltr./rev	19 Ltr./rev
Weight	65 kg	75 kg	142 kg

*Capacity per revolution at 100% filling

Material specifications

Cast housing/end covers	Cast iron EN-GJL-250	DIN 0.6025
Bearing	Inboard ball-bearing sealed for life	

Execution 1

Rotor fabricated	Mild steel with 6 adjustable blades/ 6 fixed vanes
Rotor blades	Polyurethane (90° Shore) 3 mm
Shaft seal	By means of lip seal/felt ring
ATEX 2014/34/EU	Marking of the mechanical equipment II 1D/2D and II -/2G

Execution 1EX

1EXP Rotor fabricated	Mild steel with 8 adjustable blades
Rotor blades	Polyurethane (90° Shore) 3 mm
1EXF Rotor fabricated	Mild steel 8 fixed vanes chamfered tips
Shaft seal	By means of lip seal
ATEX 2014/34/EU	Marking of the mechanical equipment II 1D/2D and II -/2G
	Marking of the Protective system
	IID
	II 1D/2D and II -/2G
	[Flameproof in both directions]

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Protective system

Execution 1EX

Rotor 8 fixed blades	3 bar
Rotor 8 adjustable polyurethane vanes	2 bar

Pressure shock resistant

Size DL	200	250	300
	10 bar	10 bar	5 bar

Max clearance setting

Size DL	200	250	300
Rotor 8 fixed blades	≤ 0.25 mm	≤ 0.25 mm	≤ 0.25 mm
Rotor 8 adjustable polyurethane vanes	zero	zero	zero

Drive specifications Nord

Size DL	200	250	300
Standard	SK01F-71LP/4 0.37 kW 18 rpm	SK01F-71LP/4 0.37 kW 18 rpm	SK25F-80LP/4 TF 0.75 kW 26 rpm
ATEX 3D	SK20F/3D-71LP/4/3D TF 0.37 kW 18 rpm	SK20F/3D-71LP/4/3D TF 0.37 kW 18 rpm	SK25F/3D-80LP/4/3D TF 0.75 kW 26 rpm

Certifications



Application

The DL is suitable for the following industries:

- ▶ Food
- ▶ Chemicals
- ▶ Recycling
- ▶ Plastics
- ▶ Minerals
- ▶ Batteries

