

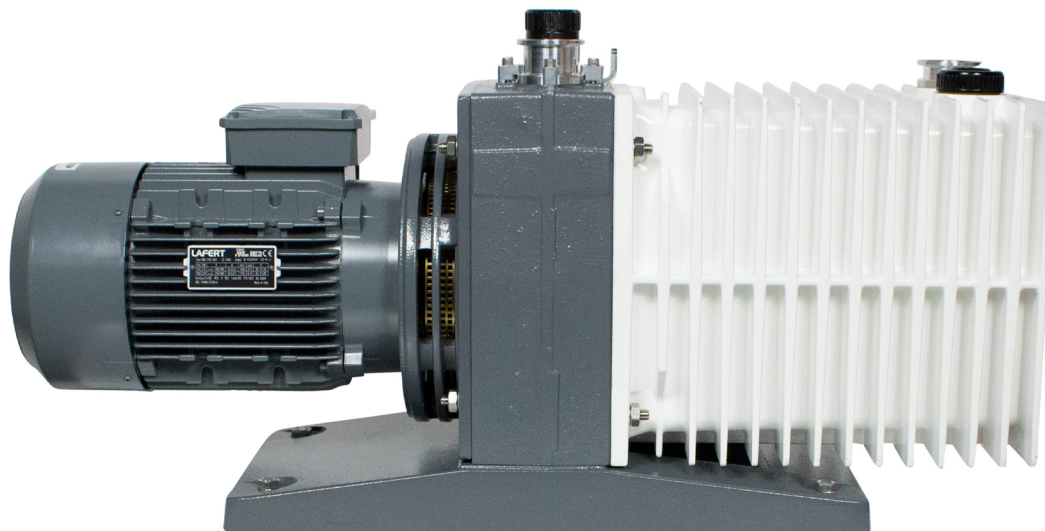


Alcatel 2005SD, 2010SD, 2015SD, 2021SD, 2033SD, 2063SD

Technical Specifications

		Units	2005SD	2010SD	2015SD	2021SD	2033SD	2063SD	2100SD
Nominal pumping speed (*)	50Hz	m ³ /h	5.4	9.7	15	20.7	30	60	120
	60Hz	cfm	3.8	6.8	10.6	14.6	23.3	42.4	85
Pneurop pumping speed (*)	50Hz	m ³ /h	4.8	8.5	12	15.5	27	55	100
	60Hz	cfm	3.4	6	8.8	11.8	18.8	38	70.6
Ultimate partial pressure (*)		mbar	10 ⁻⁴	10 ⁻⁴	10 ⁻⁴	10 ⁻⁴	2.10 ⁻⁴	3.10 ⁻⁴	2.10 ⁻⁴
Ultimate total pressure (*) closed gas ballast		mbar	2.10 ⁻³	2.10 ⁻³	2.10 ⁻³	2.10 ⁻³	3.10 ⁻³	3.10 ⁻³	3.10 ⁻³
Ultimate total pressure (*) open gas ballast		mbar	10 ⁻²	10 ⁻²	10 ⁻²	10 ⁻²	2.10 ⁻²	2.10 ⁻²	3.10 ⁻²
Water vapor capacity	50/60Hz	g/h	120/110	125/100	110/100	90/90	700	1200	3000
Water vapor pressure	50/60Hz	mbar	35/25	20/15	12/10	7/7	30	25	40
Weight (max)		kg (lbs)	25 (55)	26 (57.2)	27 (59.4)	28 (61.6)	61 (134)	93 (205)	231 (508)
Dimensions		see page	22	22	22	22	23	23	25
Electrical motors		see page	6	6	6	6	28	28	29
Max nominal power rating	50/60Hz	kW	0.45/0.55	0.45/0.55	0.45/0.55	0.45/0.55	1.1/1.3	2.2/2.6	3/3.6
Min ambient temperature		°C (°F)	12 (54)	12 (54)	12 (54)	12 (54)	12 (54)	12 (54)	12 (54)
Max ambient temperature		°C (°F)	45 (113)	45 (113)	45 (113)	45 (113)	45 (113)	45 (113)	45 (113)
Oil capacity		l	0.83	0.95	0.95	0.98	3.6	7	7.5
Inlet flange		ISO-KF	DN 25	DN 25	DN 25	DN 25	DN 40	DN 40	DN 50
Exhaust flange		ISO-KF	DN 25	DN 25	DN 25	DN 25	DN 40	DN 40	DN 50

(*) : according to Pneurop specifications; with ALCATEL mineral oil.





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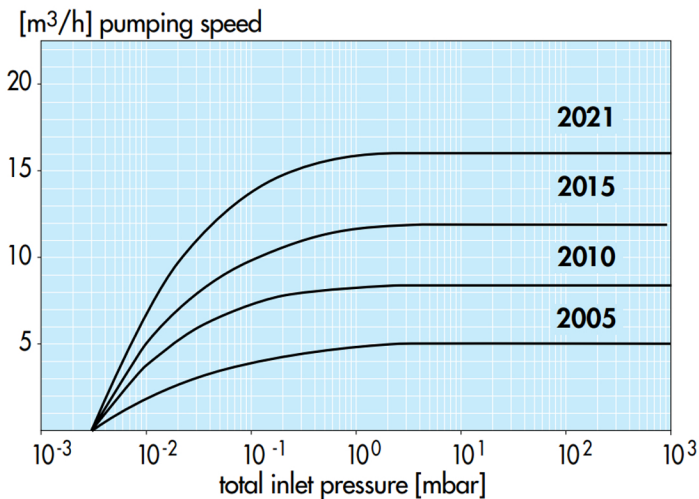
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Alcatel 2005SD, 2010SD, 2015SD, 2021SD, 2033SD, 2063SD

Pumping Curves

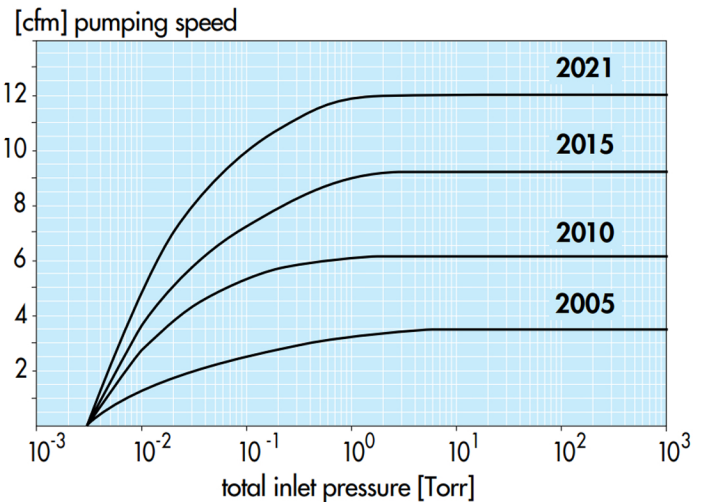
50Hz

2005SD - 2010SD
2015SD - 2021SD

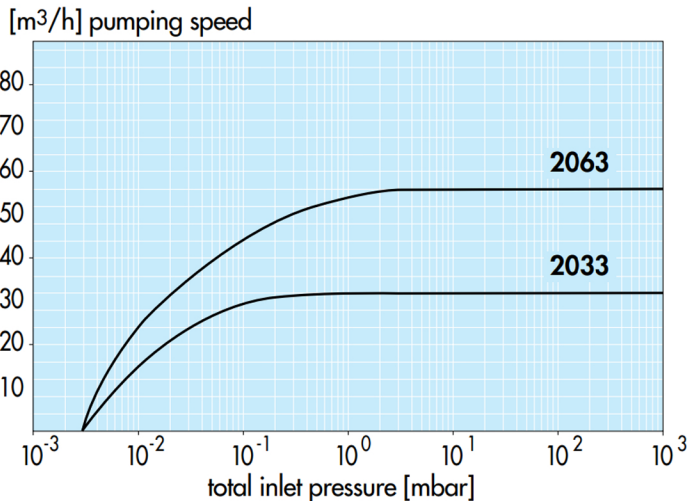


60Hz

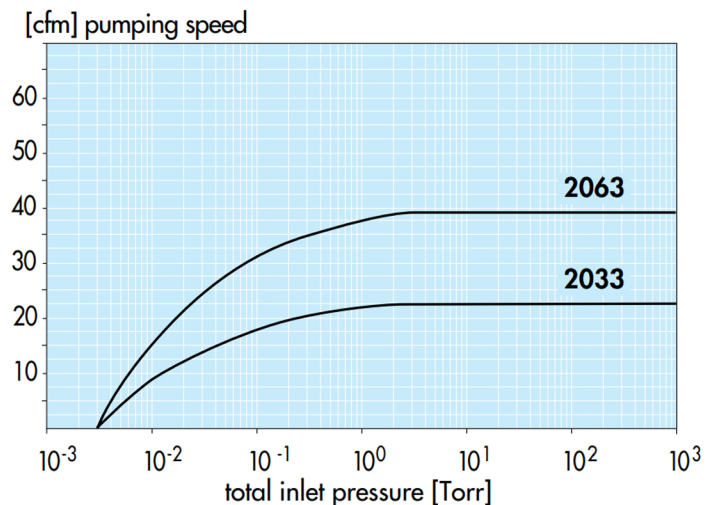
2005SD - 2010SD
2015SD - 2021SD



2033SD/C1/C2/H1
2063SD/C1/C2/H1



2033SD/C1/C2/H1
2063SD/C1/C2/H1





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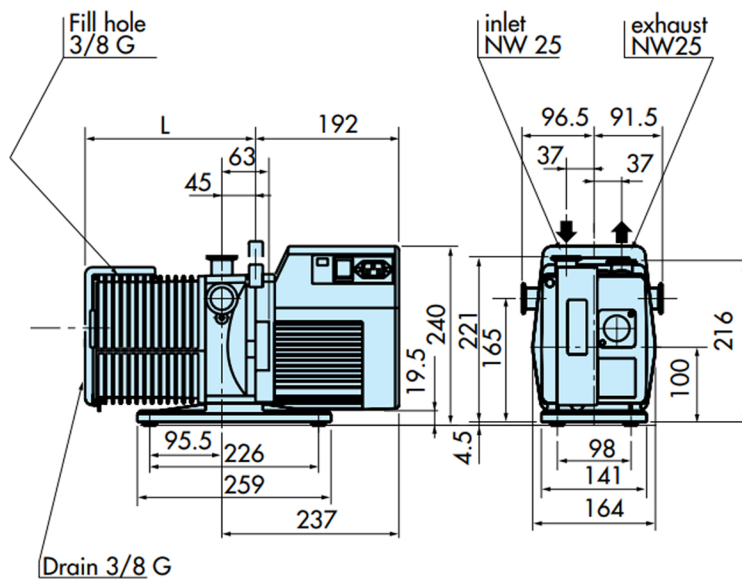
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Dimensions

2005SD, 2010SD, 2015SD, 2021SD

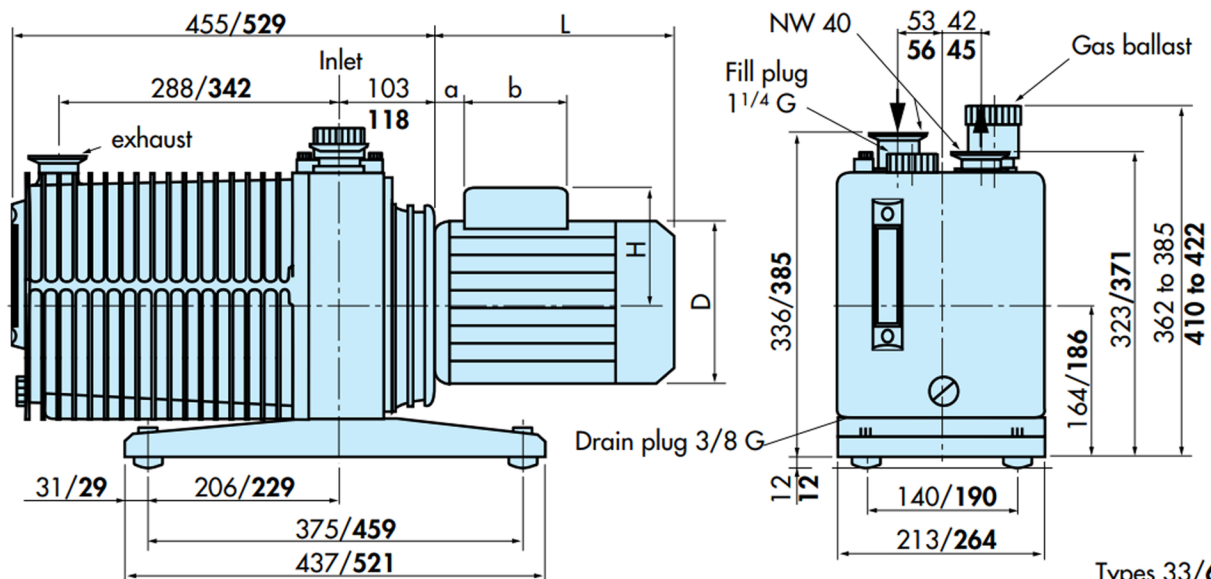


Specific dimensions

Model	L mm
2005	228
2010	245
2015	270
2021	291

*same dimensions for single
and three-phase motors

2033SD, 2063SD



Types 33/63



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Features & Benefits

- direct drive motor
- fold-away handle for easy carrying
- anti-suckback system
- gas ballast & neutral gas purge
- vertical sight glass on oil case

from 5 to 100 m³/h

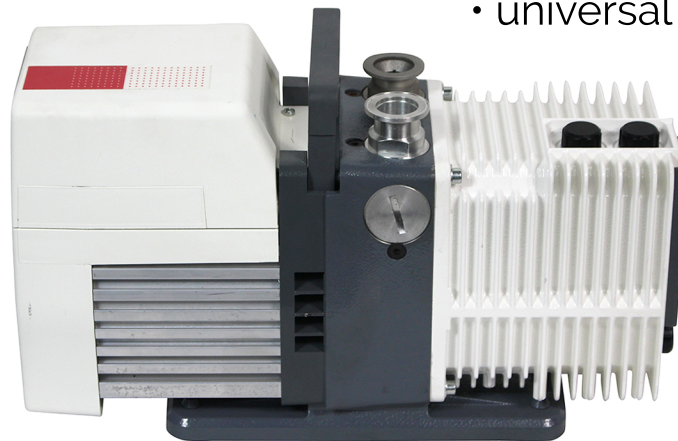
- high pumping speed
- efficient gas ballast
- field serviceable
- air cooled

from 5 to 21 m³/h

- no oil mist pollution
- compact design
- optimized tightness

from 33 to 100 m³/h

- forced lubrication
- built-in anti-suckback
- rugged design
- universal & specific motors



Applications

- research & development • pharmaceuticals • metallurgy • drying / refrigeration systems • electronic tube manufacturing • chemical industry • mass spectrometry • centrifuges • electronic microscopes
- leak detection systems • various semiconductor processes