



Leybold D-40BCS, D-65BCS

Technical Specifications

TRIVAC BCS		D 40 BCS two-stage	D 65 BCS two-stage
Nominal pumping speed ¹⁾	m ³ · h ⁻¹ (cfm)	46 (27.1)	75 (44.2)
Pumping speed ¹⁾	m ³ · h ⁻¹ (cfm)	40 (23.6)	65 (38.3)
Ult. partial pr. without gas ballast ¹⁾	mbar	10 ⁻⁴	10 ⁻⁴
	Torr	0.75 · 10 ⁻⁴	0.75 · 10 ⁻⁴
Ultimate total pr. without gas ballast ¹⁾	mbar	< 2 · 10 ⁻³	< 2 · 10 ⁻³
	Torr	< 1.5 · 10 ⁻³	< 1.5 · 10 ⁻³
Ultimate total pr. with gas ballast ¹⁾	mbar	< 5 · 10 ⁻³	< 5 · 10 ⁻³
	Torr	< 3.8 · 10 ⁻³	< 3.8 · 10 ⁻³
Water vapour tolerance ¹⁾	mbar (Torr)	40 (30)	40 (30)
Oil filling, min./max.	l	1.7/2.6	2.0/3.3
Connections	DN	40 KF	40 KF
Motor protection	IP	54	54
Weight *	kg (lbs)	68 (149.9)	80 (176.4)
Motor power *	W	1500	2200
Noise level * to DIN 45 635 without/with gas ballast	dB (A)	57/59	57/59

TRIVAC BCS-PFPE		D 40 BCS-PFPE two-stage	D 65 BCS-PFPE two-stage
Nominal pumping speed ¹⁾	m ³ · h ⁻¹ (cfm)	46 (27.1)	75 (44.2)
Pumping speed ¹⁾	m ³ · h ⁻¹ (cfm)	40 (23.6)	65 (38.3)
Ultimate partial pr. without gas ballast ¹⁾	mbar	< 8 · 10 ⁻⁴	< 8 · 10 ⁻⁴
	Torr	< 6 · 10 ⁻⁴	< 6 · 10 ⁻⁴
Ultimate total pressure w. gas ballast ¹⁾	mbar	< 5 · 10 ⁻³	< 5 · 10 ⁻³
	Torr	< 3.8 · 10 ⁻³	< 3.8 · 10 ⁻³
Lubricant filling min./max. upon delivery	l	1.5/2.5	2.0/3.5
	l	0.6	0.75
Connections	DN	40 KF	40 KF
Motor protection	IP	54	54
Weight *	kg (lbs)	71 (156.6)	83 (183)
Motor power *	W	2200	2200
Noise level * to DIN 45 635, without/with gas ballast	dB (A)	57/59	57/59



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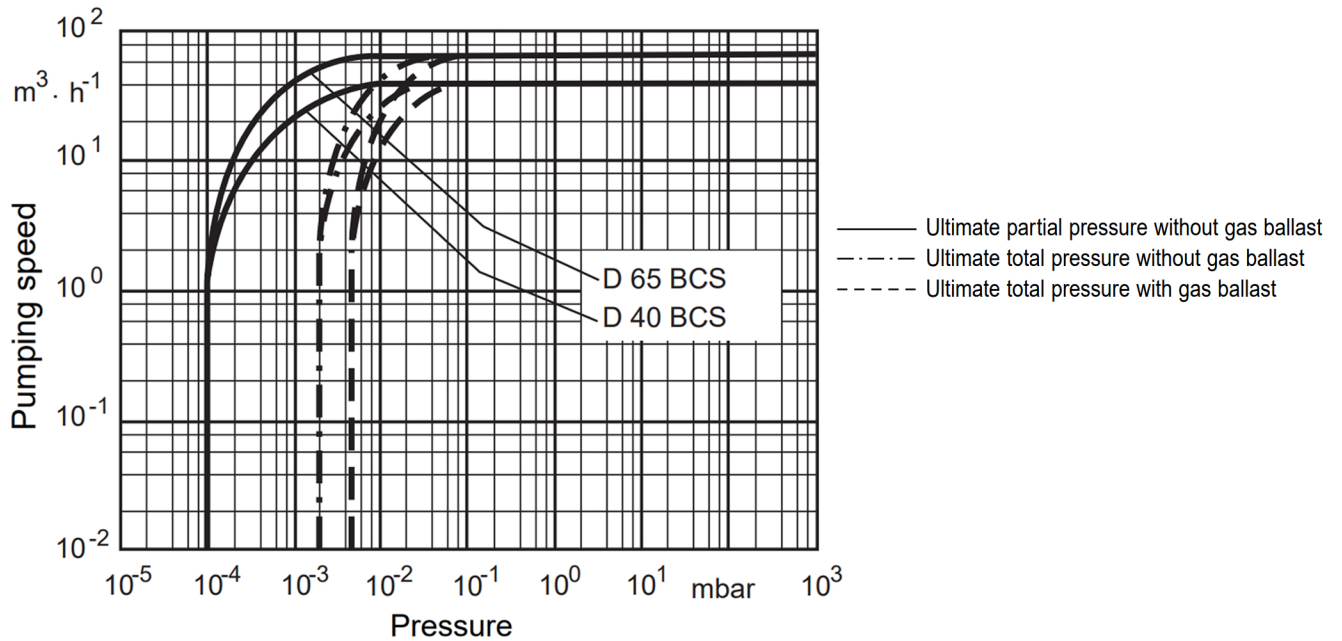
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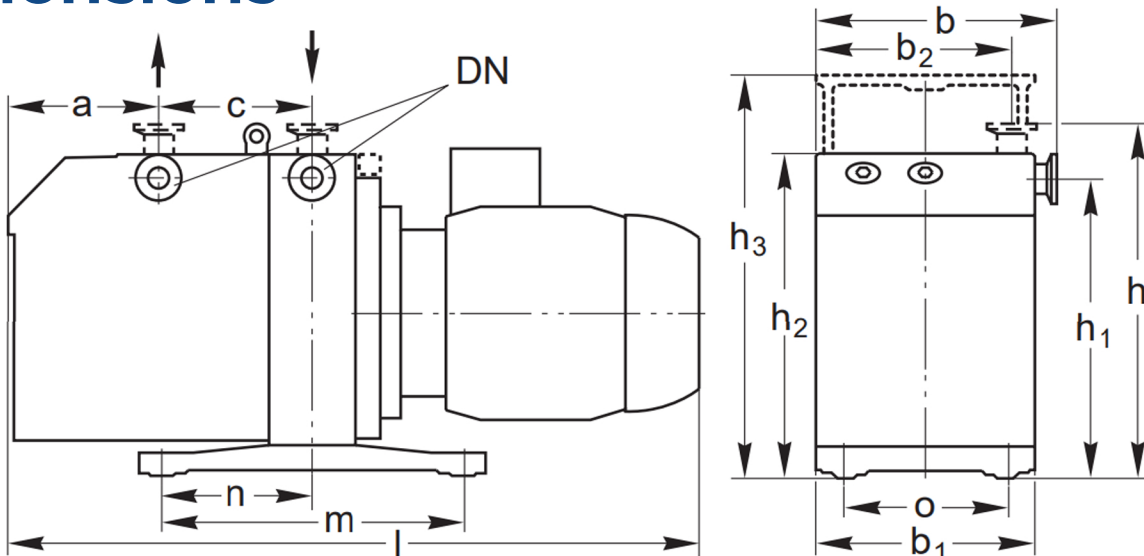
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Leybold D-40BCS, D-65BCS Pumping Curves



Dimensions



Typ	DN	a	b	b1	b2	c	h	h1	h2	h3	l	m	n	o
D 40 BCS	40 KF	135	264	234	206	166	355	308	336	-	670	382	191	190
D 65 BCS	40 KF	213												750
D 40 BCS-PFPE	40 KF	135	264	234	206	166	355	308	336	-	670	382	191	190
- Kat.-Nr. 154 52	40 KF													711,5
D 65 BCS-PFPE	40 KF	213												750
- Kat.-Nr. 154 54	40 KF													791,5



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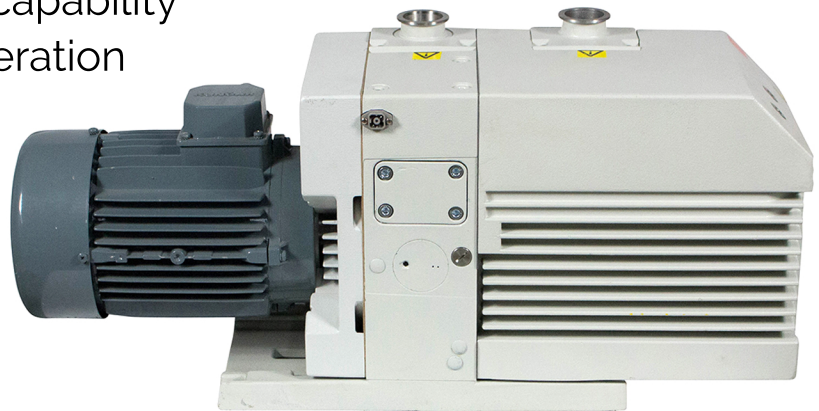
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Leybold D-40BCS, D-65BCS

Features & Benefits

- prepared especially for operation with corrosive & aggressive media
- vertical or horizontal intake/exhaust ports
- excellent vapor handling capability
- reliability & long life of operation
- compact design
- anti-suckback valve
- low noise & vibration
- highly leaktight



Applications

- vacuum coating • research & development • chemistry pharmaceuticals
- metallurgy/furnaces • space simulation • lamps/tubes manufacturing
- environment engineering • cooling & air conditioning • electrical/mechanical engineering • freeze-drying systems • backing pump for high vacuum pump systems • leak detectors

