



# Leybold Trivac D-40L, 63L, 90L

## Technical Specifications

Parameter	Unit	TRIVAC D 40 L		TRIVAC D 63 L		TRIVAC D 90 L	
		50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
Nominal pumping speed <sup>1)</sup>	m <sup>3</sup> /h (cfm)	49 28.8	59 34.7	67 39.4	80 47.0	92 54.1	110 64.7
Pumping speed <sup>1)</sup>	m <sup>3</sup> /h (cfm)	42 24.7	50 29.4	60 35.3	72 42.3	79 46.4	95 55.91
Ultimate total pressure without gas ballast <sup>1)</sup>	mbar (Torr)	3 x 10 <sup>-3</sup> 2.2 x 10 <sup>-3</sup>		3 x 10 <sup>-3</sup> 2.2 x 10 <sup>-3</sup>		3 x 10 <sup>-3</sup> 2.2 x 10 <sup>-3</sup>	
Ultimate total pressure with gas ballast <sup>1)</sup> OP1	mbar (Torr)	6 x 10 <sup>-3</sup> 4.5 x 10 <sup>-3</sup>		6 x 10 <sup>-3</sup> 4.5 x 10 <sup>-3</sup>		6 x 10 <sup>-3</sup> 4.5 x 10 <sup>-3</sup>	
Ultimate total pressure with gas ballast <sup>1)</sup> OP2	mbar (Torr)	2 x 10 <sup>-2</sup> 1.5 x 10 <sup>-2</sup>		2 x 10 <sup>-2</sup> 1.5 x 10 <sup>-2</sup>		2 x 10 <sup>-2</sup> 1.5 x 10 <sup>-2</sup>	
Water vapour tolerance with gas ballast OP2	mbar (Torr)	35 26.2		30 22.5		25 18.75	
Water vapour capacity 50/60 Hz	g/h (lb/h)	1090 2.40	1308 2.88	1334 2.94	1601 3.52	1464 3.22	1757 3.87
Oil filling, minimum/maximum	l (qt)	3.1/4.1 3.2/4.3		3.3/4.4 3.4/4.6		3.6/4.8 3.8/5.0	
Admissible ambient temperature	°C (°F)	10 ~ 40 50 ~ 104					
Noise level without / with gas ballast <sup>2)</sup> OP1	dB(A)	58/60					
Pump dimensions (L x W x H)	mm (inch)	725 x 244 x 352 28.5 x 9.6 x 13.8		781 x 244 x 352 30.7 x 9.6 x 13.8		859 x 244 x 352 33.8 x 9.6 x 13.8	
Pump dimensions without motor (L x W x H)	mm (inch)	568 x 244 x 352 22.3 x 9.6 x 13.8		598 x 244 x 352 23.5 x 9.6 x 13.8		684 x 244 x 352 26.9 x 9.6 x 13.8	
Shipping dimensions (L x W x H)	mm (inch)	950 x 446 x 538 37.4 x 17.5 x 21.1		950 x 446 x 538 37.4 x 17.5 x 21.1		984 x 314 x 574 38.7 x 12.3 x 22.5	

Parameter	Unit	TRIVAC D 40 L		TRIVAC D 63 L		TRIVAC D 90 L	
		50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
Net weight	kg (lbs)	79 174.1		85 187.3		96 211.6	
Net weight without motor	kg (lbs)	59 130.0		63 138.8		69 152.1	
Total shipping weight	kg (lbs)	91 200.6		97 213.8		109 240.3	
Intake connection	-	DN 40 ISO-KF					
Exhaust connection	-	DN 40 ISO-KF					

1) For DIN 28400 and following numbers, with standard gas ballast.

2) Operated at the ultimate pressure without/with gas ballast OP1, free-field measurement at a distance of 1 m.



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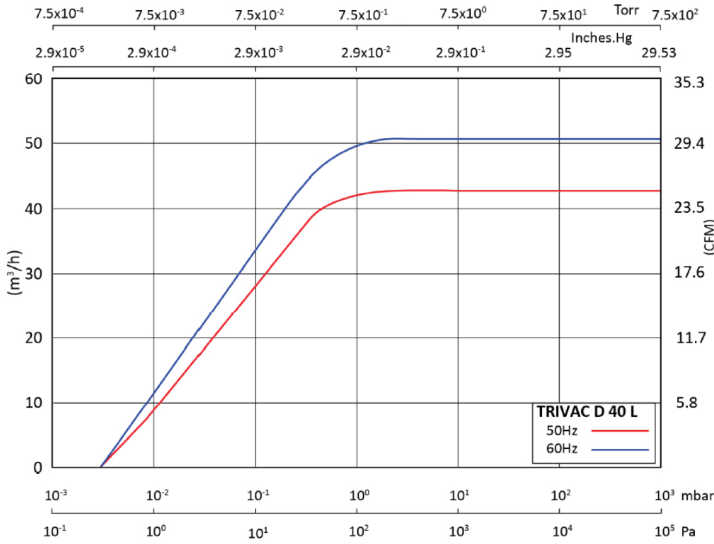
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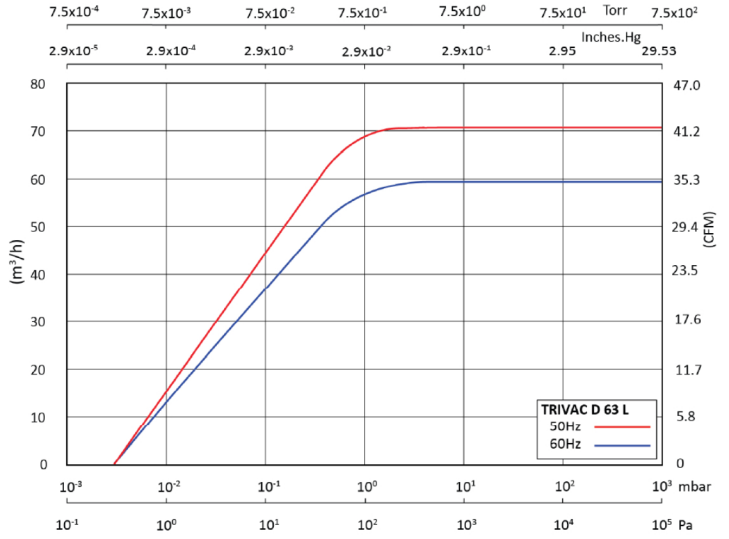
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# Leybold Trivac D-40L, 63L, 90L Pumping Curves

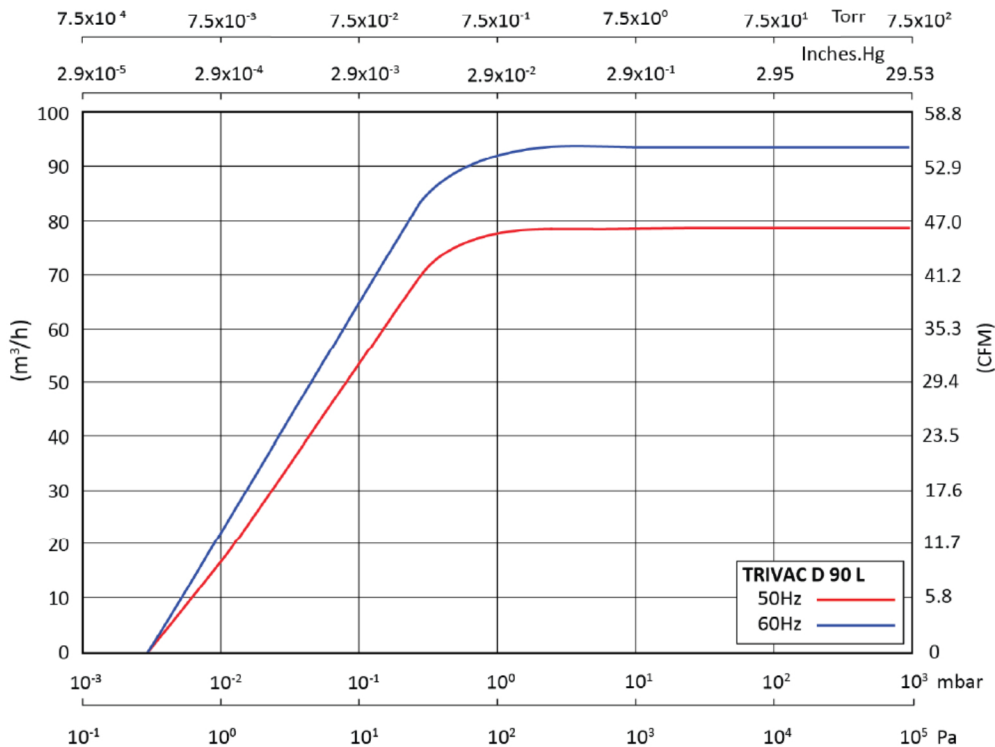
### D-40L



### D-63L



### D-90L





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# Leybold Trivac D-40L, 63L, 90L Dimensions

