

Technical Data Sheet

Product Code

B16-oil vacuum pump

Product Description

Leybold 16m³/hr oil sealed single phase (240v) vacuum pump

General Description

Compact oil-sealed rotary vane vacuum pump with an integrated motor design. Operating on a single-phase 240V supply, it delivers a pumping speed of 16 m³/hr and provides reliable vacuum performance for a range of laboratory, industrial, and composite processing applications.

Properties

Inlet connection	G ¾" + G1/2" Inside thread		Mains connection	3-ph, 220-240/380-415 V, 50 Hz	
Outlet connection	- - -			3-ph, 220-266/380-460 V, 60 Hz	
Nominal pumping speed at 50 Hz	16.0 m ³ /h	9.4 cfm	Motor rating at 50 Hz	550 W	0.75 HP
Nominal pumping speed at 60 Hz	19.0 m ³ /h	11.2 cfm	Motor rating at 60 Hz	750 W	1.00 HP
Pumping speed at 50 Hz	15.0 m ³ /h	8.8 cfm	Rotation speed at 50 Hz	3.000 min ⁻¹	3.000 rpm
Pumping speed at 60 Hz	17.0 m ³ /h	10.0 cfm	Rotation speed at 60 Hz	3.600 min ⁻¹	3.600 rpm
Ultimate partial pressure without gas ballast	≤ 1.0 mbar	≤ 0.75 Torr	Motor protection rating	IP 55-F	
Ultimate total pressure without gas ballast	≤ 1.0 mbar	≤ 0.75 Torr	Admissible ambient temp.	+12 to +40°C +54 to +104°F	
Ultimate total pressure with gas ballast	≤ 1.5 mbar	≤ 1.50 Torr	Weight (approx.)	20.5 Kg	45.3 lbs
Water vapour tolerance at 50 Hz	10.0 mbar	7.5 Torr			
Water vapour tolerance at 60 Hz	15.0 mbar	11.3 Torr			
Water vapour capacity at 50 Hz	30 g/h				
Water vapour capacity at 60 Hz	50 g/h				
Operating fluid	LVO 120				
Operating fluid capacity	0.5 L	0.53 qt			
Noise level to DIN 45 653					
Without ballast	60 – 64 dB(A)				
With ballast	- - -				

IMPORTANT INFORMATION:

The information cited is in good faith and has been established from sources held to be secure and reliable. The values listed are typical properties and are not intended to be used as specifications for defined applications. Users must determine the product suitability for the end use application and assume all risks and liabilities.

Registered Office:

VAC Innovation Ltd, Wheatfield Way, Hinckley, Leicestershire, LE10 1YG

Registered in England No. 5340177

www.vacinnovation.com

Tel: 01858 882000

