

Part No.

V78040

BUSCH SECO SV 1040 D · Dry Rotary Vane Vacuum Pump



DESCRIPTION

The V78040 is the largest pump in ATL Composites' dry-running rotary vane range, supplied as part of the BUSCH® SECO range. Designed and manufactured in Germany by Busch Vacuum Solutions, it delivers a nominal pumping speed of 40 m³/hr at 50 Hz and a 120 hPa ultimate pressure with no operating fluid required — specified for large hull and deck panels, production bagging lines and workshops running multiple bags from a single pump.

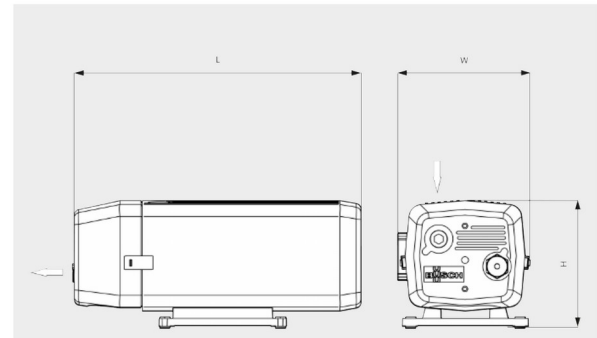
High performance Aerodur 274 Zirkon vanes are self-lubricating and highly resistant to wear and humidity, and the bearings are lubricated for life — so the pump runs continuously on clean, dry air with no oil changes and no oil-mist contamination. ATL supplies the V78040 ready for workshop connection — pre-wired for 240 V single-phase operation and fitted as standard with a liquid-filled vacuum gauge, air bleed ball valve, cassette filter and 3-pin plug and lead.

BENEFITS

- Dry running — no operating fluid, no oil changes and no oil-mist contamination of the workshop
- Highest capacity in the range — 40 m³/hr at 50 Hz for large panels and production bagging lines
- Aerodur 274 Zirkon vanes deliver extended service life with high resistance to wear and humidity
- Direct-drive construction with lifetime-lubricated bearings — robust, compact and low maintenance
- Supplied ready to run: 240 V single phase with gauge, air bleed valve, cassette filter and 3-pin plug
- Specified, supplied and supported by ATL Composites, exclusive BUSCH® distributor to the marine and composites industry



BUSCH SECO SV 1040 D dry rotary vane vacuum pump



Dimensional drawing — L 554 x W 257 x H 246 mm

TECHNICAL DATA

PUMP TYPE	Dry-running rotary vane vacuum pump
BUSCH MODEL	SECO SV 1040 D
NOMINAL PUMPING SPEED	40 / 48 m ³ /h (50 / 60 Hz)
ULTIMATE PRESSURE	120 hPa (mbar) (50 / 60 Hz)
NOMINAL MOTOR RATING	1.25 kW (50 / 60 Hz)
NOMINAL MOTOR SPEED	1500 / 1800 min ⁻¹ (50 / 60 Hz)
POWER SUPPLY	240 V single phase — supplied with 3-pin plug and lead
NOISE LEVEL (ISO 2151)	65 / 64 dB(A) (50 / 60 Hz)

TECHNICAL DATA

WEIGHT (APPROX.)	38 kg
DIMENSIONS (L X W X H)	554 x 257 x 246 mm
GAS INLET / OUTLET	G ¾" / G ¾"
VANE MATERIAL	Aerodur 274 Zirkon — self-lubricating, dry running
LUBRICATION	Dry — self-lubricating vanes, no operating fluid
SUPPLIED AS STANDARD	Liquid-filled vacuum gauge; air bleed ball valve and filter (hose barb to suit pump inlet); cassette-type filter; 3-pin plug and lead
OPTIONS / ACCESSORIES	Inlet filter; vacuum regulation valve; non-return valve (inlet); hose nipple
MATERIALS TO AVOID	Solvent vapours, uncured resin/styrene carry-over, water and abrasive dust — use an inlet filter and catch pot
STORAGE	Store dry and dust-free, indoors, between 0 °C and 40 °C

ATL PART NO.	BUSCH MODEL	NOMINAL PUMPING SPEED (50 / 60 Hz)	ULTIMATE PRESSURE	NOMINAL MOTOR RATING
V78008	SECO SV 1008 C	7.3 / 8.8 m³/h	150 hPa (mbar)	0.25 / 0.30 kW
V78010	SECO SV 1010 C	10 / 12 m³/h	150 hPa (mbar)	0.37 kW
V78016	SECO SV 1016 C	16 / 19 m³/h	150 hPa (mbar)	0.55 kW
V78025	SECO SV 1025 C	25 / 30 m³/h	120 hPa (mbar)	0.90 kW
V78040	SECO SV 1040 D	40 / 48 m³/h	120 hPa (mbar)	1.25 kW

Figures above are BUSCH published data at 50 / 60 Hz; ATL catalogue flow rates are rounded nominal values. All dry vane pumps are supplied 240 V single phase with gauge, air bleed valve, cassette filter and 3-pin plug. Contact ATL to confirm the correct pump for your mould size, process and cycle time.

DISCLAIMER

The information in this Technical Data Sheet is provided in good faith as general guidance only. Values stated are typical properties and should not be interpreted as guaranteed performance, specification limits, or design data. Product performance may vary depending on manufacturing processes, application methods, service conditions, storage, handling, and other factors beyond the control of ATL Composites Pty Ltd.

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