VACUUM PUMPS

A1 / A2L / A2 / A3
REFRIGERANT READY*



- Large Vacuum Gauge
- Exhaust/ Oil Fill Cap
- Oil Level Maximum Mark
- Oil Level Minimum Mark
- Oil Sightglass
- Oil Drain Valve
- Ignition Proof Power Switch
- Service Ports: 1/4" M Intake
- 3/8" M Intake
- 1/2" M Intake
- 3m Detachable Power Cord

CERTIFIED A3 CPS PRODUCTS

CE Ex II 3G Ex ec ic nC h IIA T4 Gc

BLACKMAX VPBMVX SERIES FOR HVACR PROS

BENEFITS

- Variable speed, brushless DC motor.
- ¼"M, ⅜"M, ½"M hose connection ports.
- Operates in extreme temperatures.
- Large dial vacuum gauge.
- 15 Micron ultimate vacuum.
- Tall oil sight glass.
- Quiet operation.
- Extremely compact & lightweight:

"(see table below)"



VPBXEXHB (Base)
VPBXEXHE (Extension)

*separate items, not included



WARRANTY 2 YEARS GUARANTEED

4 CFM	112 l/m	8.3 kg
6 CFM	170 l/m	8.7 kg
12 CFM	340 l/m	10.5 kg

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SPECIFICATIONS

BLACKMAX Model #	4 CFM	6 CFM	12 CFM
Stages	2		
Ultimate Vacuum	15 Microns		
Refrigerant Class	Compatible With Residual Amounts Of A1, A2L, A2, A3 Refrigerants (Not A Recovery Machine)		
Ignition Proof Construction	Tested To UL12.12.01 Methods For Ignition Proof Requirements Per UL1963 Supplement SB		
Voltage	Universal Voltage 100V Min- 240V Max, @ 50/60Hz		
Motor Type	“BLDC” (Brushless DC Motor With Variable Speed Start Up)		
Maximum RPM	3200		
Motor Size (HP)	1/2 HP		1 HP
Watts	500		
Low Energy Sealed On/Off Switch	Flashing Green LED when connected to Power; Solid Green when pump and fan Running		
Power Cord	Locking 90° IEC Type, 3 m Length		
Vacuum Pump Oil Capacity (Max)	0.44 L	0.41 L	0.68 L
Vacuum Pump Oil Capacity (Min)	0.31 L	0.28 L	0.44 L
Exhaust/Oil Fill	Mist Free		
Vacuum Intake Ports (In Line)	1/4”, 3/8” and 1/2” SAE Male Threads		
Analog Vacuum Gauge	Units: kPa, InHg (+/- 2% Accuracy)		
Gas Ballast Valve	(Drys Out The 2nd Stage). Plated Brass		
Solenoid Valve	Normally Closed. Open When Vacuum Pump Is Energized		
Operating Temperature Range	-15°C to 55°C		
Storage Temperature Range	-17.7°C to 65.5°C		
Thermal Overload Protection	✓		
Pump Weight (W/o Pkg)	8.3 Kg	8.7 Kg	10.5 Kg
Pump Dimensions (mm)	(254 H x 147 W x 352 L mm), 0.48 Cu.Ft.		(267 x 164 x 394mm), 0.57 Cu.Ft.
Approvals	CE and UKCA (Tested to UL 12.12.01 Methods For Ignition Proof Requirements Per UL1963 Supplement SB) EMC (Electro-Magnetic Compatibility): EN IEC 55014-1:2021; EN IEC 55014-2:2021; EN IEC 61000-6-1:2019; EN IEC 61000-6-3:2021		
Product Markings	CE Ex II 3G Ex ec ic nC h IIA T4 Gc		
Warranty	2 Years		

PACKAGING SPECIFICATIONS

Model #	UPC	Pkg Size (H x W x L), mm (Inches)	Product + Pkg Weight, Kg	Product Qty Per Pkg
VPBM4VX	750377120978	286 x 216 x 391 mm	9.34 Kg	1
VPBM6VX	750377120985		9.67 Kg	1
VPBM12VX	750377121005	352 x 219 x 436 mm	11.7 Kg	1

REVOLUTIONISING VACUUM OPERATIONS (ENG)

BlackMax® VPBM series vacuum pumps: engineered for today’s HVAC/R professionals.

A range of innovative 2-stage vacuum pumps engineered for today’s HVAC/R professionals. With features including compact lightweight design, tough construction, universal voltage compatibility, brushless DC motor, auto-shutoff solenoid valve, built-in vacuum gauge, and quiet operation, these pumps deliver efficient and reliable performance in residential and commercial applications. Available in 4, 6, or 12 CFM models.

RÉVOLUTIONNER LES OPÉRATIONS SOUS VIDE (FR)

Pompes à vide BlackMax® série VPBM: conçues pour les professionnels du CVC/R d’aujourd’hui.

Une gamme de pompes à vide innovantes à deux étages, conçues pour les professionnels du CVC/R d’aujourd’hui. Elles offrent des caractéristiques telles qu’une conception compacte et légère, une construction robuste, une compatibilité universelle avec les tensions, un moteur CC sans balais, une électrovanne à arrêt automatique, un vacuomètre intégré et un fonctionnement silencieux. Ces pompes offrent des performances efficaces et fiables pour les applications résidentielles et commerciales. Disponibles en modèles de 4, 6 ou 12 CFM.

NEUE MAßSTÄBE BEIM EVAKUIEREN (DE)

BlackMax®-Vakuumpumpen der Serie VPBM – entwickelt für den professionellen Einsatz in der Kälte- und Klimatechnik.

Die zweistufigen Vakuumpumpen der Serie VPBM sind besonders leicht – rund **30 % leichter als vergleichbare herkömmliche Vakuumpumpen.** Sie eignen sich für den Einsatz an Kälte- und Klimaanlagen im Wohn- und Gewerbebereich und sind dabei robust und kompakt gebaut. Zur Ausstattung gehören ein bürstenloser Gleichstrommotor, universelle Spannungsverträglichkeit, ein Magnetventil mit automatischer Abschaltung, ein integriertes Vakuummeter und ein geräuscharmer Betrieb. Erhältlich mit Förderleistungen von 4, 6, oder 12 CFM.