

ROBINAIR FLUID PRODUCTS

Selecting the Right Size Pump

The more air a pump moves, the faster it can reach an acceptable vacuum. A smaller pump takes more time to evacuate a system than one that's the correct size for the job.



Use this Chart as a Guide to Selecting the Right Size Pump

System	Recommended Pump Size	
	CoolTech™	VacuMaster™
Up to 10 tons (35kW); Domestic Refrigeration, Passenger Cars	1.2 CFM (28 l/m)	1.5 CFM (35 l/m)
Up to 30 tons (105kW); Residential A/C, Panel Trucks & RV's	4 CFM (93 l/m)	3 CFM (71 l/m)
Up to 50 tons (176kW); Rooftop A/C systems, Tractor/Trailers, Buses	6 CFM (142 l/m)	5 CFM (118 l/m)
Up to 70 tons (246kW)	10 CFM (236 l/m)	8 CFM

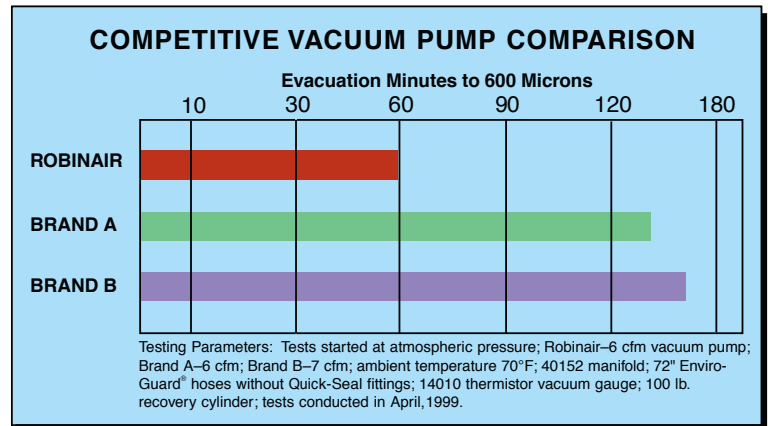
Tests done under the same laboratory conditions confirm that Robinair vacuum pumps consistently out perform other major brands. Our Model 15600 reaches a vacuum of 600 microns in just 60 minutes, while the competition's pumps took more than two hours to reach the same micron level.

Robinair pumps weigh less!

You'll appreciate the difference a few pounds make when you're carrying the pump up a ladder or through an access hatch.

Robinair pumps use less oil!

Smaller oil capacity means that your maintenance costs will be lower over the life of the pump.



Robinair (6 CFM)	27 lbs
Brand A (6 CFM)	34.5 lbs
Brand B (7 CFM)	27.5 lbs

Robinair	15 oz.
Brand A	24 oz.
Brand B	30 oz.

ROBINAIR FLUID PRODUCTS



15120A
10 CFM



15600 – 6 CFM
15400 – 4 CFM
15434 – 4 CFM



15234
1.2 CFM

CoolTech® Vacuum Pumps

- Power and capacity for a wide range of service applications.
- High CFM rating for fast, thorough evacuation.
- Two-stage rotary vane design.

Features:

Iso-Valve™ – Isolates the pump from the system with just a quarter-turn.

Gas Ballast – Moisture laden air passing through the pump mixes with relatively dry air to such a degree that compression does not cause condensation.

Two-stage Design – Cleans the system more thoroughly than a single-stage pump; the second stage starts pumping at a lower pressure so you can pull a deeper, ultimate vacuum.

Oil Drain Valve – Positioned at the bottom of the oil reservoir and angled for faster, more complete draining.

Oil Fill Port – Makes adding oil simple since the port is accessible from the front or either side. The sight glass on the front of the pump shows you when enough oil has been added.

Heavy-Duty Motor – High torque design for easy startup and efficient operation.

Offset Rotary Vanes – Our proven design builds a powerful compression within the pumping chamber to reduce system pressure and vaporize moisture so it can be exhausted along with air.

Molded Base – Durable polycarbonate base improves pump balance and minimizes vibration during operation.

Die-Cast Aluminum Housing – Cast aluminum housings make the pumps lightweight but durable.

Model	Free Air Displacement	Factory Micron Rating	No. of Stages	Intake Fitting	Oil Capacity	Motor Size	Voltage	Approvals	Weight	Dimensions
Domestic Models										
15234	1.2 CFM	50 microns	2	1/4" MFL and 1/2" Acme	5 oz. (148 ml)	1/8 hp	115V 50/60 Hz	UL	10 lbs. (4.5 kg)	8.5" H x 4.3" W x 9.5" L 215 mm x 108 mm x 240 mm
15400	4 CFM	20 microns	2	1/4" MFL and 1/2" MFL	15 oz. (445 ml)	1/3 hp	115V 60 Hz	UL	29 lbs. (12.2 kg)	9.75" H x 5.625" W x 15" L 247 mm x 142 mm x 381 mm
15434	4 CFM	20 microns	2	1/4" MFL and 1/2" Acme	13 oz. (384 ml)	1/3 hp	115V 60 Hz	UL	29 lbs. (12.2 kg)	9.75" H x 5.5" W x 15" L 247 mm x 142 mm x 381 mm
15600	6 CFM	20 microns	2	1/4" MFL and 1/2" MFL	15 oz. (445 ml)	1/2 hp	115V 60 Hz	UL	30 lbs. (12.2 kg)	9.75" H x 5.625" W x 15" L 247 mm x 142 mm x 381 mm
15120A	10 CFM	20 microns	2	1/4" MFL and 1/2" MFL	16.5 oz. (448 ml)	1/2 hp	115V 60 Hz	UL	30 lbs. (12.2 kg)	10.75" H x 5.625" W x 16" L 247 mm x 142 mm x 381 mm
International Models										
15226	28 liters/minute	50 microns	2	1/4" MFL and 1/2" Acme	5 oz. (148 ml)	1/8 hp	220V 50/60 Hz	CE	10 lbs. (4.5 kg)	8.5" H x 4.5" W x 9.5" L 215 mm x 108 mm x 240 mm
15401	93 liters/minute	20 microns	2	1/4" MFL and 1/2" MFL	15 oz. (444 ml)	1/3 hp	115V/220-250V 50/60 Hz	CE	32 lbs. (14.5 kg)	9.5" H x 5.5" W x 15" L 247 mm x 142 mm x 381 mm
15424	93 liters/minute	20 microns	2	1/4" MFL and 1/2" Acme	15 oz. (445 ml)	1/3 hp	115V/220-250V 50/60 Hz	CE	29 lbs. (14.5 kg)	9.5" H x 5.5" W x 15" L 247 mm x 142 mm x 381 mm
15601	142 liters/minute	20 microns	2	1/4" MFL and 1/2" MFL	15 oz. (445 ml)	1/3 hp	115V/220-250V 50/60 Hz	CE	33 lbs. (15 kg)	9.5" H x 5.5" W x 15" L 247 mm x 142 mm x 381 mm
15121A	236 liters/minute	20 microns	2	1/4" MFL and 1/2" MFL	17 oz. (503 ml)	1/2 hp	115V/220V 50/60 Hz	CE	38 lbs. (17.2 kg)	10" H x 5.5" W x 16" L 272 mm x 142 mm x 419 mm

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VacuMaster™ Economy Vacuum Pumps

- Performance tested to meet Robinair's high standards
- Power and capacity for a wide range of service applications.
- High CFM rating for fast, thorough evacuation.
- Two-stage rotary vane design.

Features:

Two-stage Design – Cleans the system more thoroughly than a single-stage pump; the second stage starts pumping at a lower pressure so you can pull a deeper, ultimate vacuum.

Oil Drain Valve – Positioned at the bottom of the oil reservoir and angled for faster, more complete draining.

Oil Fill Port – Makes adding oil simple since the port is accessible from the front or either side. The sight glass on the front of the pump shows you when enough oil has been added.

Heavy-Duty Motor – High torque design for easy startup and efficient operation.

Die-Cast Aluminum Housing – Cast aluminum housings make the pumps lightweight but durable.



15150
1.5 CFM



15500
5 CFM

Model	Free Air Displacement	Factory Micron Rating	No. of Stages	Intake Fitting	Oil Capacity	Motor Size	Voltage	Weight	Dimensions
Domestic Models									
15150	1.5 CFM	50 microns	2	1/4" MFL and 3/8" Acme 3/8" FFL x 1/2" Acme adaptr.	7.4 oz. (219 ml)	1/4 hp	115V 60Hz	22 lbs. (10 kg)	9.5" H x 4.75" W x 12.5" L 240 mm x 120 mm x 315 mm
15300	3 CFM	40 microns	2	1/4" MFL and 3/8" MFL 3/8" FFL x 1/2" Acme adaptr.	7.5 oz. (220 ml)	1/3 hp	115V 60Hz	28 lbs. (12.5 kg)	10" H x 5" W x 13" L 255 mm x 123 mm x 336 mm
15500	5 CFM	40 microns	2	1/4" MFL and 3/8" Acme 3/8" FFL x 1/2" Acme adaptr.	7.5 oz. (220 ml)	1/3 hp	115V 60Hz	28 lbs. (12.2 kg)	10" H x 5" W x 13" L 255 mm x 123 mm x 336 mm
15800	8 CFM	40 microns	2	1/4" MFL and 3/8" MFL 3/8" FFL x 1/2" Acme adaptr.	18.6 oz. (550ml)	1 hp	115V 60Hz	37lbs. (16.78 kg)	16" H x 6" W x 10" L 406" mm x 152mm x 254mm
International Models									
15151 1.5 CFM	35 liters/minute	50 microns	2	1/4" MFL and 1/2" Acme 3/8" FFL x 1/2" Acme adaptr.	7.5 oz. (220 ml)	1/4 hp	220V 50Hz	21 lbs. (9.6 kg)	9.5" H x 4.5" W x 12.5" L 240 mm x 120 mm x 315 mm
15301 3 CFM	71 liters/minute	40 microns	2	1/4" MFL and 1/2" MFL 3/8" FFL x 1/2" Acme adaptr.	7.5 oz. (220 ml)	1/3 hp	220V 50Hz	28 lbs. (12.5 kg)	10" H x 5" W x 13" L 255 mm x 123 mm x 336 mm
15501 5 CFM	118 liters/minute	40 microns	2	1/4" MFL and 1/2" Acme 3/8" FFL x 1/2" Acme adaptr.	7.5 oz. (220 ml)	1/3 hp	220V 50Hz	28 lbs. (12.5 kg)	10" H x 5" W x 13" L 255 mm x 123 mm x 336 mm

	Oil Fill Port	Heavy Duty Motor	Two-Stage Design	Molded Base	Die-Cast	Oil Drain Valve	Offset Rotary Vanes	Iso-Valve	Gas Ballast
CoolTech™ Pumps	•	•	•	•	•	•	•	•	•
VacuMaster® Pumps	•	•	•	•	•	•			

All Robinair pumps are backed by our exclusive "No Hassle" over-the-counter replacement warranty. You can return a pump to your Robinair distributor for an immediate exchange — with no hassle! (In U.S. and Canada only; in other locations, see your Robinair distributor.)

ROBINAIR FLUID PRODUCTS

Air-Vac™ for R-12 and R-134a

Economical Air-Vac uses shop air to pull the system into vacuum and includes inlet fittings with 1/4" and 1/2" Acme sizes.

Easy to use — Unique venturi design runs on shop air.

Rugged Lexan® Case — Both oil- and scratch-resistant and comes with a convenient handle.

Low Maintenance — There's no oil or moving parts to replace.

No. 34970 — Air-Vac™ for R-12 and R-134a.

No. 34977 — Replacement inlet tee, 1/4" MFL and 1/2" acme.



34970

Specifications

Drive	Compressed air
Free Air Displacement	1 CFM
Input Pressure	75 psi
Vacuum Rating	29 in./Hg
Intake Fitting	1/4" MFL and 1/2" ACME
Dimensions	4-1/2" H x 4" W x 7-1/2" L
Weight	2 lbs./1 kg

Pump Intake Fittings

R-12/R-134a Dual Inlet Fittings

Convert your pump to R-12 and R-134a. Solid brass tees replace inlet fittings on pump; includes a branch with a 1/4" MFL fitting for R-12 (and other refrigerants) and a branch with 1/2" Acme fittings for automotive R-134a.

Also Available:

No. 15555 — Screw-on inlet adapter converts any pump, 1/4" FFL coupler x 1/4" MFL x 1/2" Acme.

No. 15195 — 1/4" MFL/1/2" Acme combination inlet fitting for 15200 series vacuum pumps.

No. 15495 — 1/4" MFL/1/2" Acme combination inlet fitting for 15400/15600 series vacuum pump.

Pump Intake Fitting Adapters:

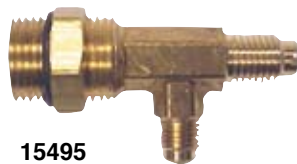
No. 10459 — Adapter, 1/2" FFL to 1/4" MFL.

No. 13110 — Adapter, 3/8" FFL to 1/4" MFL.

No. 13066 — Adapter, 1/2" FFL to 3/8" MFL.



15195



15495



10459