

High-performance vacuum pumps

Designed and engineered in the USA for peak efficiency



Robinair and VacuMaster™ vacuum pump features:

- › Angled oil drain valve at the bottom of the reservoir for faster, more complete draining
- › Top oil fill port for better access and front sight glass to easily see oil levels
- › Lightweight, durable die-cast aluminum housing
- › Wide power, capacity and CFM ratings for fast, thorough evacuation
- › Performance-tested to meet Robinair's quality, durability and longevity standards
- › Intake screen prevents foreign matter from entering pumping chamber. External exhaust filter separates oil vapor from exhaust flow
- › Backed by an exclusive "No Hassle" over-the-counter replacement warranty. Robinair pumps can be returned to a distributor for an immediate exchange. U.S. and Canada only. In other locations, see your Robinair distributor

Robinair pump features:

- › Iso-Valve™ isolates the pump from the system with just a quarter-turn
- › Gas ballast allowing moist air passing through the pump to mix with dry air, reducing condensation
- › Heavy-duty motor with a high-torque design for easy startup and efficient operation
- › Two-stage design to clean systems more thoroughly and pull a deeper vacuum
- › Offset rotary vanes build more compression, reducing system pressure and removing more moisture
- › Molded polycarbonate base reduces vibration and provides balance during operation

Robinair VacuMaster™ pump features:

- › Rotary vane design for powerful, quiet high vacuum capability for maximum moisture removal and reduced evacuation time
- › Heavy-duty motor with a high-torque design for easy startup and efficient operation (2-stage pumps only)

Robinair Pumps (2-stage)

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	Robinair Domestic models				Robinair International models		
	15400	15434	15600	15120A	15401	15601	15121A
Free air displacement	4 CFM	4 CFM	6 CFM	10 CFM	94 liters/minute	142 liters/minute	283 liters/minute
Factory micron rating	15 microns	15 microns	15 microns	15 microns	15 microns	15 microns	15 microns
Stages	2	2	2	2	2	2	2
Intake fitting	1/4" MFL & 1/2" MFL	1/4" MFL & 1/2" ACME	1/4" MFL, 3/8" MFL, & 1/2" MFL	1/4" MFL, 3/8" MFL, & 1/2" MFL	1/4" MFL & 1/2" MFL	1/4" MFL, 3/8" MFL, & 1/2" MFL	1/4" MFL, 3/8" MFL, & 1/2" MFL
Oil capacity	15 oz (445 ml)	13 oz (384 ml)	15 oz (445 ml)	16.5 oz (488 ml)	400 ml (13.5 oz)	400 ml (13.5 oz)	488 ml (16.5 oz)
Motor size	1/2 hp	1/3 hp	1/2 hp	1/2 hp	1/3 hp	1/3 hp	1/2 hp
Voltage	115V 60 Hz	115V 60 Hz	115V 60 Hz	115V 60 Hz	115V/220 - 250V 50/60 Hz	115V/220 - 250V 50/60 Hz	115V/220V 50/60 Hz
Approvals	UL	UL	UL	UL	CE	CE	CE
Weight	27 lbs (12.2 kg)	29 lbs (13 kb)	27 lbs (12.2 kg)	38 lbs (17.24 kg)	13 kg (29 lbs)	13 kg (29 lbs)	18.6 kg (41 lbs)
Dimensions	9.75" H x 5.625" W x 15.5" L (247 mm x 143 mm x 394 mm)	9.75" H x 5.625" W x 15" L (247 mm x 143 mm x 381 mm)	9.75" H x 5.625" W x 15.5" L (247 mm x 143 mm x 394 mm)	10.75" H x 5.625" W x 16.5" L (273 mm x 143 mm x 419 mm)	246 mm H x 143 mm W x 400 mm L (9.688" x 5.625" x 15.75")	246 mm H x 143 mm W x 419 mm L (9.688" x 5.625" x 16.5")	273 mm H x 143 mm W x 445 mm L (10.75" x 5.625" x 17.5")
Uses	Up to 30 tons (105 kW) Residential A/C, panel trucks and RVs	Up to 30 tons (105 kW) Residential A/C, panel trucks and RVs	Up to 50 tons (176 kW) Rooftop A/C systems, tractor/trailers, buses	Up to 70 tons (246 kW)	Up to 30 tons (105 kW) Residential A/C, panel trucks and RVs	Up to 50 tons (176 kW) Rooftop A/C systems, tractor/trailers, buses	Up to 70 tons (246 kW)
Cord length	6' (1.8 m)	6' (1.8 m)	6' (1.8 m)	6' (1.8 m)	1.82 m (6')	1.82 m (6')	1.82 m (6')

VacuMaster™ Pumps (2-stage)

Robinair VacuMaster™ pump features:

- › Rotary vane design for powerful, quiet high vacuum capability for maximum moisture removal and reduced evacuation time
- › Heavy-duty motor with a high-torque design for easy startup and efficient operation (2-stage pumps only)



	VacuMaster™ Domestic models				VacuMaster™ International models	
	15150	15300	15500	15800	15301	15501
Free air displacement	1.5 CFM	3 CFM	5 CFM	8 CFM	71 liters/minutes	118 liters/minute
Factory micron rating	50 microns	35 microns	35 microns	35 microns	35 microns	35 microns
Stages	2	2	2	2	2	2
Intake fitting	1/4" MFL and 3/8" Acme adapter	1/4" MFL and 3/8" Acme adapter	1/4" MFL and 3/8" Acme adapter	1/4" MFL and 3/8" MFL	1/4" MFL and 1/2" MFL 3/8" FFL x 1/2" Acme adapter	1/4" MFL and 1/2" MFL 3/8" FFL x 1/2" Acme adapter
Oil capacity	7.4 oz. (219 ml)	7.5 oz. (220 ml)	7.5 oz. (220 ml)	18.6 oz. (550 ml)	220 ml (7.5 oz)	220 ml (7.5 oz)
Motor size	1/3 hp	1/3 hp	1/2 hp	1 hp	1/3 hp	1/3 hp
Voltage	115V 60Hz	115V 60Hz	115V 60Hz	115V 60Hz	220V 50Hz	220V 50/60Hz
Approvals	CSA	CSA	CSA	CSA	CE	CE
Weight	22 lbs. (10 kg)	28 lbs. (12.5 kg)	28 lbs. (12.2 kg)	37 lbs. (16.8 kg)	12.5 kg (28 lbs.)	12.5 kg (28 lbs.)
Dimensions	9.5" H x 4.75" W x 12.5" L (240 mm x 120 mm x 315 mm)	10" H x 5" W x 13" L (255 mm x 123 mm x 336 mm)	10" H x 5" W x 13" L (255 mm x 123 mm x 336 mm)	16" H x 6" W x 10" L (406" mm x 152mm x 254mm)	255 mm x 123 mm x 336 mm (10" H x 5" W x 13" L)	255 mm x 123 mm x 336 mm (10" H x 5" W x 13" L)
Uses	Up to 10 tons (35 kW) domestic refrigeration, passenger cars	Up to 30 tons (105 kW) Residential A/C, panel trucks & RVs	Up to 50 tons (176 kW) Rooftop A/C systems, tractor/trailers, buses	Up to 70 tons (246 kW)	Up to 30 tons (105 kW) Residential A/C, panel trucks & RVs	Up to 50 tons (176 kW) Rooftop A/C systems, tractor/trailers, buses
Cord length	6' (1.8 m)	6' (1.8 m)	6' (1.8 m)	6' (1.8 m)	1.82 m (6')	1.82 m (6')

VacuMaster™ Pumps (single-stage)

Robinair VacuMaster™ pump features:

- › 110-volt, single-stage design.
- › 1/4" flare & 1/2" ACME intake ports.
- › "No-Hassle" over-the-counter replacement warranty.



	Domestic models		
	15115	15310	15510
Free air displacement	1.5 CFM	3 CFM	5 CFM
Factory micron rating	115 microns	75 microns	75 microns
Stages	1	1	1
Intake fitting	1/4" flare and 1/2" Acme	1/4" flare and 1/2" Acme	1/4" flare and 1/2" Acme
Oil capacity	10 oz. (300 ml)	8.5 oz. (250 ml)	10 oz. (300 ml)
Motor size	1/4 hp	1/3 hp	1/3 hp
Voltage	110V 60Hz	110V 60Hz	110V 60Hz
Approvals	CSA	CSA	CSA
Weight	15 lbs. (6.9 kg)	18 lbs. (8.2 kg)	21 lbs. (9.7 kg)
Dimensions	11.25" H x 4.75" W x 11.375" L (286 mm x 124 mm x 288 mm)	10" H x 4.875" W x 13.25" L (255 mm x 123 mm x 336 mm)	10" H x 4.875" W x 13.25" L (255 mm x 123 mm x 336 mm)
Uses	Up to 10 tons (35 kW) domestic refrigeration, passenger cars	Up to 10 tons (35 kW) domestic refrigeration, passenger cars	Up to 10 tons (35 kW) domestic refrigeration, passenger cars
Cord length	6' (1.82 m)	6' (1.82 m)	6' (1.82 m)