

# Have refrigerant, will travel

Confidently bring the most reliable A/C machines with you



## Introducing the new AC1234-4SL and 34988NI-SL machines with integrated scale lock

The mechanical scale lock eliminates the need to recalibrate your refrigerant scale after transporting the machine long distances, saving time.

Special tie-down points and guidelines ensure your machine is safe and secure for mobile service.

Both machines feature legendary Robinair quality, the largest nationwide support and service network, automatic oil drain and patented automatic internal tank refill for more efficient service.

34988NI-SL

Mechanical scale lock

# frequently asked questions

## Why do I need a scale lock on my machine?

- › Performing mobile automotive A/C service or frequently loading / unloading your machine into a truck or trailer
- › Agriculture A/C service, including combines, harvesters and larger heavy equipment
- › A scale lock keeps the scale calibrated, preventing down time if the machine needs to be calibrated

## Why is calibration important?

- › It saves money, and helps prevent A/C system damage. If your scale isn't calibrated properly, you could be putting too much or too little refrigerant back into a system. Too much can damage the system and cost you money. Too little can result in under performing A/C, requiring another service call, lost time and money

## How do I check calibration?

- › Your machine came with a small weight used to check calibration. Your owners' manual describes how to check your machine's calibration. If your owners' manual is missing, you can download a PDF copy at [www.Robinair.com](http://www.Robinair.com)

## How often do machines need to be recalibrated?

- › It depends on how often you transport your machine, your driving habits and the terrain you're driving on. A full tank of refrigerant bouncing on the scale down a dirt road can cause the scale to lose calibration.

## Can I recalibrate my machine myself?

- › No. If your machine loses calibration, it will need to be recalibrated by a Robinair Authorized Service Center. Using a scale lock when transporting your A/C machine can keep it in service longer.

# ScaleLock Comparisons

Features	AC1234-4SL	34988NI-SL
Fully-Automatic Function	Yes	Yes
Integrated refrigerant identifier (meets SAE J2927)	Yes	No
Automatic Refrigerant Refill: Maintains a user-selectable amount of refrigerant in an internal vessel and signals when it's time to change supply tank, no monitoring required	Yes	Yes
A/C System Refrigerant Flush (Flushing adapters not included)	Yes	Yes
Vacuum Feature: Defaults to 15 mins, programmable up to 99 mins. "Remaining time" is displayed.	Yes	Yes
Automatic Oil Drain: Shows amount of oil to replace	Yes	Yes
Automatic air purge - removes potential of air accumulating in the internal tank	Yes	Yes
Vacuum Leak Test and Monitoring	Yes	Yes
Display: Multilingual.	Yes, 4.3" 480x272 QVGA Color LCD	Yes, 7" graphical LCD
WiFi / Bluetooth capable	No	No
Refrigerant charging	High, low or both sides	High, low or both sides
Refrigerant & Oil System Capacity Database for North American market vehicles	Optional, 34413-D	Optional, 34412-F
Save, print and store before and after service data	Yes, optional printer 30038	Yes, printer included
Refrigerant Management System: Displays refrigerant use and monitors remaining filter life. Prompts appear when 1/3 of filter life remains.	Yes	Yes
Electric Vehicle: Capable of servicing high voltage electric compressor A/C systems.	Yes	No
Visual & Audible Alarm / Notifications	Yes	Yes
Automatic Dye Inject: 1/4-oz during recharge, user-selectable	No	Yes
Automatic Oil Inject, user-programmable	No	Yes, 2 bottles
Specifications	AC1234-4SL	34988NI-SL
Operating voltage	115 VAC, 60 Hz	125 VAC, 60 Hz
Pressure gauges	100mm, EN-837-1	100mm, EN-837-1
Keyboard	Alpha-numeric with service function keys	Alpha-numeric with service function keys
Compressor	1/3 hp hermetically sealed	3/8 hp, pressure-protected, oiled, hermetically sealed
SAE compliance for R-1234yf or R-134a	R-1234yf, J2843, J2927 certified	R-134a, J2788 certified
Tank size	22-lb DOT internal tank	30-lb DOT internal tank
Hoses	9' SAE J2886 hoses	9' SAE J2886 hoses
Charging accuracy	+/- 0.5 oz	+/- 0.5 oz
Minimum refrigerant recovery	98.5% minimum refrigerant recovered	98.5% minimum refrigerant recovered
Vacuum pump	1.5 CFM dual-stage vacuum pump	1.5 CFM dual-stage vacuum pump
Filter	330-lb (150kg) spin-on filter, P/N 34724	150-lb (68kg) spin-on filter, P/N 34724

# Trusted Robinair platform, new features

## Making it easier to take your favorite A/C machine on the road

### Scale lock machine features:

- › Mechanical scale lock accessible from outside the machine, securely locking the scale and preventing damage or inaccurate refrigerant measurement
- › Safe startup prevents the unit from powering on if the lock is engaged
- › Longer hoses: Extra-long hoses for mobile service, 12' vs 9' on most Robinair machines
- › Indicator light: Reminds technicians to lock the scale before transport
- › Legendary Robinair quality made in Owatonna, Minnesota, USA
- › Built on Robinair's most reliable and trusted platform for years of service
- › Tie-down straps, anchors and recommended secure transport procedure
- › WiFi capable with 80211TMP or 80211VCI master kits



### 34988NI-SL

- › Multiple oil bottles gives the machine the flexibility to store and inject two different types of oil saving the user time when servicing multiple vehicles
- › Standard onboard printer gives the user the ability to print service data to present to a customer after service
- › Warning light wiring connector provided to wire in a warning light alerting the user if scale lock is not engaged prior to driving (Optional)
- › Automatic Dye Inject gives the user the ability to use the machine to inject UV dye into a vehicle's A/C system



### AC1234-4-SL

- › Integrated refrigerant identifier (meets SAE J2927)
- › Meets SAE J2843 standards for R-1234YF Recover, Recycle and Recharge equipment
- › Programmable vacuum operation helps get to the necessary vacuum level in any condition quickly
- › System leak test to identify gross leaks in a system
- › Liquid refrigerant flushing function can flush A/C systems or individual components using liquid refrigerant instead of harsh chemicals



AC1234-4-SL