

## Charge Amounts and Allowances

Proper Charging of a ProAir LLC. system is critical for proper system performance. Charge amounts may vary due to component location, distance's between components, and the differences in hose diameters. To ensure a proper charge has been accomplished pay close attention to gauge readings and duct temperatures. ProAir LLC. recommends the charging of an air conditioning system be performed by a certified technician in the use and handling of refrigerants.

**Caution:** EPA regulations stipulate that all vehicles requiring the removal of refrigerants be serviced by a certified technician and that all refrigerant be reclaimed and recycled. Therefore we recommend the use of a qualified technician for installation and service of ProAir products. Only use oil specified by the compressor manufacture. Use of oil other than that specified will void the compressor warranty.

**Note:** Charge for mid-mount AirTech and 1100 units is 12oz. Charge for 526 ,935 is 16oz, 1lbs and 925 units is 14oz 0.875lbs with 14' of A/C hoses (1/2", 5/16"). For each additional 10' of liquid line, add 3 oz, (0.1875lbs) R-134a and 0.75oz Pag oil. For liquid lines longer than 25', or hoses of different diameter from normal (1/2" 5/16" for 925/935 evaporator, 13/32", 5/16" 105/106 condenser), consult factory for charge amounts.

**Note:** Vehicles starting with the 1996 model year may be ordered from the manufacturer (Ford, GM, or Dodge) with an upfitter's provision for rear auxiliary heating and air conditioning.

### 2004-Present Tie-in System\*

Evaporator	Condenser	R134a Charge	Oil Charge
Air Tec II (66 000 077)	OEM	12-16oz II .75-1lbs	2-3oz
1100 Series	OEM	14oz II .875lbs	2oz
Mini Max	OEM	14oz II .875lbs	2oz
526 Power Pack	OEM	16oz II 1lbs	3oz
552 power Pack	OEM	16oz II 1lbs	3oz
Air Tech II (Plate/fin Coil)	OEM	16oz II 1lbs	3oz
915 Power Pack	OEM	16oz II 1lbs	3oz
916 Power Pack	OEM	20oz II 1.25lbs	4oz
925 Power Pack	OEM	14oz II .875lbs	3oz
931 Power Pack	OEM	16oz II 1lbs	3oz
935 Power Pack	OEM	16oz II 1lbs	3oz
941 Power Pack	OEM	16oz II 1lbs	3oz
960 Power Pack	OEM	24oz II 1.5lbs	4oz
971 Power Pack	OEM	24oz II 1.5lbs	4oz

\*Note: Refrigerant charge for a tie-in system will be added to OEM Front system charge

### Super Tie-in System\*

Evaporator	Condenser	R134a Charge	Oil Charge
530 Power Pack	ProAir 105,106 & 109	40oz II 2.5lbs	7oz
560 Power Pack	ProAir 105,106 & 109	40oz II 2.5lbs	7oz
916 Power Pack	ProAir 105,106 & 109	36oz II 2.25lbs	7oz
935 Power Pack	ProAir 105,106 & 109	32oz II 2lbs	6oz
941 Power Pack	ProAir 105,106 & 109	32oz II 2lbs	6oz
960 Power Pack	ProAir 105,106 & 109	40oz II 2.5lbs	7oz
971 Power Pack	ProAir 105,106 & 109	40oz II 2.5lbs	7oz

\*Note: Refrigerant charge for a tie-in system will be added to OEM Front system charge.

### Max System

Evaporator	Condenser	R134a Charge	Oil Charge
530 Power Pack	ProAir 105,106 & 109	40oz II 2.5lbs	7oz
560 Power Pack	ProAir 105,106 & 109	40oz II 2.5lbs	7oz
916 Power Pack	ProAir 105,106 & 109	36oz II 2.25lbs	7oz
917 Power Pack	ProAir 110	52oz II 3.25lbs	6-8oz
935 Power Pack	ProAir 105,106 & 109	32oz II 2lbs	6oz
941 Power Pack	ProAir 105,106 & 109	32oz II 2lbs	6oz
960 Power Pack	ProAir 105,106 & 109	40oz II 2.5lbs	7oz
971 Power Pack	ProAir 105,106 & 109	40oz II 2.5lbs	7oz

## Specialty System Charges

### Super Tie-in Systems\*

#### Sprinter Van

Evaporator	Condenser	R134a Charge	Oil Charge
530 Power Pack	ProAir 105,106 & 109	72oz    4.5lbs	6-8oz
560 Power Pack	ProAir 105,106 & 109	72oz    4.5lbs	6-8oz

#### Dodge Ambulance

Evaporator	Condenser	R134a Charge	Oil Charge
935 Power Pack	ProAir 105,106 & 109	72oz    4.5lbs	6-8oz

\*Note: Refrigerant charge for a tie-in system will be added to OEM Front system charge.

### Max System

Evaporator	Condenser	R134a Charge	Oil Charge
530 Power Pack	ProAir 105,106 & 109	44oz    2.75lbs	6oz
560 Power Pack	ProAir 105,106 & 109	44oz    2.75lbs	6oz
560 Power Pack	ProAir 110	68oz    4.25lbs	6oz

### Shore Line Systems

Evaporator	R134a Charge
110 Volt System*	32oz    2lbs

\*Note: Tie-in with up to four teen foot hoses, add 16oz, 1lbs of R-134a to factory front only charge amount. 110 volt side with up to 14 feet hoses, charge with 32oz, 2lbs of R-134a.



## Van Charges 1995-2003

Charge amounts in Ounces (16oz in a pound)

Model Year	1995			1996			1997-98			1999-2001			2002			2003			
	Vehicle Make	Frt	Rea	Tot	Frt	Rea	Tot	Frt	Rea	Tot	Frt	Rea	Tot	Frt	Rea	Tot	Frt	Rea	Tot
<b>Ford</b> 800	52	10	<b>62</b>	52	10	<b>62</b>													
1100				52	10	<b>62</b>	44	14	<b>58</b>	44	14	<b>58</b>	40	14	<b>54</b>	40	14	<b>54</b>	
AirTech				52	12	<b>64</b>	44	16	<b>60</b>	44	16	<b>60</b>	40	16	<b>56</b>	40	16	<b>56</b>	
<b>Chev/GMC</b> 800	48	12	<b>60</b>	48	10	<b>58</b>													
1100				48	10	<b>58</b>	48	14	<b>62</b>	48	14	<b>62</b>	32	14	<b>46</b>	29	10	<b>39</b>	
MiniMax										48	14	<b>62</b>	32	14	<b>46</b>	29	10	<b>39</b>	
AirTech				48	12	<b>60</b>	48	16	<b>64</b>	48	16	<b>64</b>	32	16	<b>48</b>	29	16	<b>45</b>	
<b>Dodge</b> 800	40	12	<b>52</b>	40	10	<b>50</b>													
1100				40	10	<b>50</b>	40	10	<b>50</b>	34	10	<b>44</b>	34	10	<b>44</b>	34	10	<b>44</b>	
AirTech				40	12	<b>52</b>	40	12	<b>52</b>	34	12	<b>46</b>	34	12	<b>46</b>	34	14	<b>48</b>	
<b>Astro/Safari</b> 700	32	10	<b>42</b>	32	40	<b>42</b>	32	10	<b>42</b>										
1100							32	14	<b>46</b>	36	14	<b>50</b>	36	14	<b>50</b>	36	14	<b>50</b>	
MiniMax				32	12	<b>44</b>	32	14	<b>46</b>	36	14	<b>50</b>	36	14	<b>50</b>	36	14	<b>50</b>	
<b>Caravan</b>	34	10	<b>44</b>	34	10	<b>44</b>	34	10	<b>44</b>	34	10	<b>44</b>	34	10	<b>44</b>	34	10	<b>44</b>	

\*Note: Charge for mid-mount AirTech and 1100 units is 12oz.