

**Table C–2. ASHRAE Number Assignments for  
Common Refrigerants**

<b>ASHRAE 34 Number</b>	<b>TYPE</b>	<b>Composition/ Concentration %</b>	<b>Safety Group</b>
22	HCFC	100% R-22	A1
123	HCFC	100% R-123	B1
125	HFE	100% R-125	
236fa	HFC	100% R-236fa	A1
245ca	HFC	100% R-245ca	A2L
401A	HCFC	R-22: 53% R-152a: 13% R-124: 34%	A1
401B	HCFC	R-22: 61% R-152a: 11% R-124: 28%	A1
401C	HCFC	R-22: 33% R-152a: 15% R-124: 52%	A1
402A	HCFC	R-125: 60% R-290: 2% R-22: 38%	A1
402B	HCFC	R-125: 38% R-290: 2% R-22: 60%	A1
404A	HFC	R-125: 44% R-143a: 52% R-134a: 4%	A1
407C	HFC	R-32: 23% R-125: 25% R-134a: 52%	A1
408A	HCFC	R-125: 7% R-143a: 46% R-22: 47%	A1
409A	HCFC	R-22: 60% R-124: 25% R-142b: 15%	A1
409B	HCFC	R-22: 65% R-124: 25% R-142b: 10%	A1
410A	HFC	R-32: 50% R-125: 50%	A1
411A	HCFC	R-1270: 1.5%	A2

<b>ASHRAE 34 Number</b>	<b>TYPE</b>	<b>Composition/ Concentration %</b>	<b>Safety Group</b>
		R-22: 87.5% R-152a: 11%	
412A	HCFC	R-22: 70% R-218: 5% R-142b: 25%	A2
414A	HCFC	R-22: 51% R-124: 28.5% R-600a: 4.0% R-142b: 16.5%	A1
414B	HCFC	R-22: 50% R-124: 39% R-600a: 1.5% R-142b: 9.5%	A1
416A	HCFC	R-124: 39.5% R-134a: 59% R-600: 1.5%	A1
421	HFC	R-125: 58% R-134a: 42%	A1
441A	HC	R-600: 36% R-600a: 6% R-290: 55% R-170: 3%	A3
452A	HFO/HFC Blend	R-32: 11% R-125: 59% R-1234yf: 30%	A1
452B	HFO/HFC Blend	R-32: 67% R-125: 7% R-1234yf: 26%	A2L
507A	HFC	R-125: 50% R-143a: 50%	A1
508A	HCFC	R-23: 39% R-116: 61%	A1
508B	HCFC	R-123: 46% R-116: 54%	A1
509A	HCFC	R-22: 44% R-218: 56%	A1
600a	HC	n-butane	A3
1234yf	HFO	100% R-1234yf	A2L
1234ze	HFO	100% R-1234ze	A2L