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R32 Pressure Temperature Chart A

R32 Pressure Temperature Chart R32 Temperature (°C) Pressure (barA) Pressure (barg) Pressure (psig)-70 0.36 -0.65 -9.46-68 0.41 -0.61 -8.77-66 0.46 -0.55 -8.02-64 0.52 -0.50 -7.19-62 0.58 -0.43 -6.27-60 0.65 -0.36 -5.27-58 0.73 -0.29 -4.17-56 0.81 -0.21 -2.98-54 0.90 -0.12 -1.67-52 1.00 -0.02 -0.26-50 1.10 0.09

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1.28-48 1.22 0.20 2.95-46 1.34 0.33 4.75

R32 Pressure Temperature Chart - A-Gas

R-32 Refrigerant Pressure Temperature Chart By Alec Johnson
Mar 20, 2019 One of the very first steps when it comes to diagnosing your home air conditioner, refrigerator, or even your vehicle's air conditioner is understanding the temperature and the current pressure that your system is operating at.

R-32 Refrigerant Pressure Temperature Chart - Refrigerant HQ

Temp °F R-32 psig-40 11 Trade Name(s)-35 14.4 Formula-30
18.2 Chemical Name-25 22.3 Lube-20 26.8 Replaces-15 31.7-10
37.1-5 42.9 0 49.2 5 56.1 10 63.5 15 71.5 20 80 25 89.2 30 99.1
35 109.7 40 121 45 133.1 50 145.9 55 159.6 60 174.2 65 189.6
70 206 75 223.4 80 241.8 85 261.2 90 281.7 95 303.3 100 375.5
105 350.2 110 375.5 115 402.1 120 430 125 459.4 130 490.3

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135 522.6 140 556.6 145 592.3 150 ...

Pressure Temperature Chart - Rapid Recovery

R-32 Pressure Chart. Knowing the pressure and the temperatures associated to the machine you are working on is essential to being able to diagnose any possible issues. Without knowing the temperatures you are more or less walking blind. These pressure checks give you the facts so that you can move onto the next step of your diagnosis.

R-32 Refrigerant Fact & Info Sheet - Refrigerant HQ

R32 Pressure enthalpy chart. See below for download links for pressure enthalpy charts in both imperial and metric units. These charts were provided courtesy of Danfoss, using their FREE CoolSelector 2 software.

R32 Pressure Enthalpy Chart - The Engineering Mindset

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The working (operating) pressure of R32 is about 12 - 26 Bar (174-377 Psi). It should be noted that while the operating pressure of R32 and R410A is similar, the former has a better ability to exchange heat-load, thus delivering a higher capacity. For more information you can check out this R32 pressure-temperature chart.

A Quick Look At R32 Refrigerant Operating Pressures

Temperature and pressure chart for refrigerants R22, R410A, R12, R134A, R401A, R409A, R502, R404A, R507A, R408A and R402A. Engineering ToolBox - Resources, Tools and Basic Information for Engineering and Design of Technical Applications! - search is the most efficient way to navigate the Engineering ToolBox!

Refrigerants - Temperature and Pressure Charts

PRESSURE TEMPERATURE CHART) ts-& -) pa 7 pa (-29) (-22 (-13
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(-3) 13 18 30 43 57 72 89 106 125 145 167 190 214 240 268
298 329 362 397 434 474 515 559 605 653 704 758 816 873
937 1000 1070 1140 1215 1290 1375 1460 1540 1630 1730
1830 1930 2040 2155 2270 2510 psig (.6) (.5) (.7) (.9)

PRESSURE TEMPERATURE CHART

Outside temperature; Conditioned space temperature; That said, for a typical R32 split AC running at 100% of capacity in cooling, I would expect readings in the vicinity of: Suction Temp : 2°C / 35.6°F. Suction Pressure: 105–110psi / 724–758kPa. Discharge Temp: 51°C / 123.5°F. Discharge Pressure: 451psi / 3,110kPa

What is the suction and discharge pressure of an R 32 air

...

SUBJECT: TEMPERATURE - PRESSURE CHART FOR FYI #289

9/17/2009 R-22, R-410A, R-407C, R-134A & R-404A

REFRIGERANTS ADVANTAGE Engineering, Inc. 525 East Stop 18

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web site: www.AdvantageEngineering.com email:
sales@AdvantageEngineering.com

Temperature - Pressure Chart for R-22, R-410A, R-407C, R

...

R32 Pressure Temperature Chart 14 16 18 20 22 24 26 28 30 32
34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70.
12.45 13.18 13.95 14.75 15.58 16.45 17.35 18.30 19.28 20.29
21.35 22.45 23.60 24.78 26.01 27.29 28.62 29.99 31.41 32.89
34.42 36.00 37.64 39.33 41.09 42.91 44.79 46.75 48.77

R-32 Refrigerant Gas Pressure Temperature Chart | Gas

...

R32 R410A HCFC-22 Evaporator Pressure MPa 0.81 0.80 0.50
Condenser Pressure MPa 3.14 3.07 1.94 Glide in evaporator °C -
0.11 - Discharge Temperature °C 106 83 88 Cooling COP *12.75

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2.57 2.90 Capacity kj / m³ 4812 4150 3010 Heating COP *13.75
3.57 3.90 Capacity kj / m³ 6562 5764 4049 evaporator
temperature 0°C Condenser temperature 50°C superheat 0K
subcool 0K Compressor efficiency 70%

Positively Innovative R32 - Daikin Chemical Europe GmbH

Refrigerant Pressure - Temperature Chart Use the Open or Close icons to see the descriptions below with the icons. Pressure values are displayed for R-22, R-410a, R-407c, R-134a and R-404a refrigerants.

Refrigerant Pressure - Temperature Chart

A big part of the increased discharge temperature in a R32 compressor v.s. a R410A compressor is due to the increased suction superheat. Because of lower mass flow, R32 suction gas is easier to be heated up by motor inside, especially in a low-side compressor. As one of the solutions, a design change is deployed

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to shorten the distance

R32 Compressor for Air conditioning and Refrigeration ...

for Monobloc heat pump only. Thus, R32 is an alternative refrigerant for cooling application. Flammability of R32 is 80% burning velocity less than R290 and slightly flammable when compared with R410A. Although, R32 discharge gas temperature is around 20°C higher than R410A and this can damage compressor's motor at some heat pump

Performance Comparison of R32, R410A and R290 Refrigerant ...

Pro and Cons of R32 Compared to R-410A. The Benefits. Zero ODP; One third of R-410A GWP. Required less charge as it has a 20% higher volumetric capacity. Similar saturated pressure hence development is easier. Higher critical temperature hence higher COP. Lower density hence the amount of charge required

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is smaller.

R32 Refrigerant For HVAC Industry - Air Conditioning

Low-side pressure during normal operation of the same compressor model and refrigerant and the same outdoor air temperature of 85 °F called for 45 °F. temperature entering the compressor (subtract 40 °F. from incoming air temperature) which on the service chart indicates that the incoming or suction line pressure would be about 75 psi.

Air Conditioner Compressor & Refrigerant Pressure Readings

R32 refrigerant is of interest as both a blend component for alternatives to R-22 and R-502 such as Klea® 407A and Klea® 410A, and as an attractive low GWP candidate for air conditioning. It can be blended with HFOs to improve performance. Please note that not all products are available in all

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markets.

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