

Correction Elements that Influence the Capacity

Pressure Drop in High-Pressure Side Liquid Pipe

Pressure drop on high-pressure side deteriorates refrigerating capacity. Pressure drop generated between the condenser and the expansion valve leads to the generation of flush gas, and deteriorates the capacity of the expansion valve. In general, therefore, it is necessary to consider supercooling at about 1 to 3°C.

Pressure Drop Correction Factor of Pipes on Low-Pressure Side

Pressure drop in the distributor and the evaporator cause the imbalance in temperature and deterioration of capacity, and increases the static superheat at the internal equalizer type expansion valve. The correction factors shown here are for cases in which Pressure drop changes occur in the distributor and evaporator.

| R134a | Pressure Drop (MPa) | | | | | | | | | | |
|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Evaporating Temp. (°C) | 0 | 0.025 | 0.05 | 0.075 | 0.1 | 0.125 | 0.15 | 0.175 | 0.2 | 0.225 |
| -60 | 1.000 | 0.987 | 0.973 | 0.960 | 0.946 | 0.932 | 0.917 | 0.903 | 0.888 | 0.873 | 0.858 |
| -50 | 1.000 | 0.987 | 0.973 | 0.959 | 0.945 | 0.931 | 0.916 | 0.901 | 0.886 | 0.871 | 0.856 |
| -40 | 1.000 | 0.986 | 0.972 | 0.958 | 0.944 | 0.929 | 0.914 | 0.899 | 0.884 | 0.868 | 0.852 |
| -30 | 1.000 | 0.986 | 0.971 | 0.956 | 0.941 | 0.926 | 0.911 | 0.895 | 0.879 | 0.863 | 0.846 |
| -20 | 1.000 | 0.985 | 0.969 | 0.954 | 0.938 | 0.922 | 0.905 | 0.888 | 0.871 | 0.854 | 0.836 |
| -10 | 1.000 | 0.983 | 0.967 | 0.950 | 0.932 | 0.914 | 0.896 | 0.878 | 0.859 | 0.840 | 0.820 |
| -5 | 1.000 | 0.982 | 0.965 | 0.946 | 0.928 | 0.909 | 0.890 | 0.870 | 0.850 | 0.829 | 0.808 |
| 0 | 1.000 | 0.981 | 0.962 | 0.942 | 0.922 | 0.902 | 0.881 | 0.860 | 0.838 | 0.815 | 0.792 |
| 5 | 1.000 | 0.979 | 0.958 | 0.937 | 0.915 | 0.892 | 0.869 | 0.845 | 0.821 | 0.796 | 0.770 |
| 10 | 1.000 | 0.977 | 0.953 | 0.929 | 0.904 | 0.879 | 0.852 | 0.825 | 0.797 | 0.768 | 0.738 |

| R404A | Pressure Drop (MPa) | | | | | | | | | | |
|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Evaporating Temp. (°C) | 0 | 0.025 | 0.05 | 0.075 | 0.1 | 0.125 | 0.15 | 0.175 | 0.2 | 0.225 |
| -60 | 1.000 | 0.993 | 0.985 | 0.978 | 0.970 | 0.962 | 0.955 | 0.947 | 0.939 | 0.931 | 0.923 |
| -50 | 1.000 | 0.992 | 0.985 | 0.977 | 0.969 | 0.962 | 0.954 | 0.946 | 0.938 | 0.930 | 0.922 |
| -40 | 1.000 | 0.992 | 0.984 | 0.976 | 0.968 | 0.960 | 0.952 | 0.944 | 0.936 | 0.928 | 0.919 |
| -30 | 1.000 | 0.992 | 0.984 | 0.975 | 0.967 | 0.959 | 0.950 | 0.942 | 0.933 | 0.924 | 0.915 |
| -20 | 1.000 | 0.991 | 0.983 | 0.974 | 0.965 | 0.956 | 0.947 | 0.937 | 0.928 | 0.919 | 0.909 |
| -10 | 1.000 | 0.990 | 0.981 | 0.971 | 0.961 | 0.951 | 0.941 | 0.931 | 0.921 | 0.910 | 0.900 |
| -5 | 1.000 | 0.990 | 0.980 | 0.969 | 0.959 | 0.948 | 0.937 | 0.926 | 0.915 | 0.904 | 0.893 |
| 0 | 1.000 | 0.989 | 0.978 | 0.967 | 0.955 | 0.944 | 0.932 | 0.920 | 0.908 | 0.896 | 0.884 |
| 5 | 1.000 | 0.988 | 0.976 | 0.963 | 0.951 | 0.938 | 0.925 | 0.912 | 0.899 | 0.885 | 0.872 |
| 10 | 1.000 | 0.986 | 0.973 | 0.959 | 0.945 | 0.930 | 0.916 | 0.901 | 0.886 | 0.870 | 0.855 |

| R407C | Pressure Drop (MPa) | | | | | | | | | | |
|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Evaporating Temp. (°C) | 0 | 0.025 | 0.05 | 0.075 | 0.1 | 0.125 | 0.15 | 0.175 | 0.2 | 0.225 |
| -60 | 1.000 | 0.992 | 0.985 | 0.977 | 0.969 | 0.961 | 0.953 | 0.945 | 0.937 | 0.929 | 0.921 |
| -50 | 1.000 | 0.992 | 0.984 | 0.977 | 0.969 | 0.961 | 0.952 | 0.944 | 0.936 | 0.928 | 0.919 |
| -40 | 1.000 | 0.992 | 0.984 | 0.976 | 0.968 | 0.960 | 0.951 | 0.943 | 0.935 | 0.926 | 0.917 |
| -30 | 1.000 | 0.992 | 0.983 | 0.975 | 0.967 | 0.958 | 0.950 | 0.941 | 0.932 | 0.923 | 0.914 |
| -20 | 1.000 | 0.991 | 0.983 | 0.974 | 0.965 | 0.956 | 0.947 | 0.938 | 0.929 | 0.919 | 0.910 |
| -10 | 1.000 | 0.991 | 0.981 | 0.972 | 0.962 | 0.952 | 0.943 | 0.933 | 0.923 | 0.913 | 0.902 |
| -5 | 1.000 | 0.990 | 0.980 | 0.970 | 0.960 | 0.950 | 0.940 | 0.929 | 0.919 | 0.908 | 0.897 |
| 0 | 1.000 | 0.990 | 0.979 | 0.968 | 0.958 | 0.947 | 0.936 | 0.925 | 0.913 | 0.902 | 0.890 |
| 5 | 1.000 | 0.989 | 0.977 | 0.966 | 0.954 | 0.942 | 0.931 | 0.918 | 0.906 | 0.894 | 0.881 |
| 10 | 1.000 | 0.988 | 0.975 | 0.963 | 0.950 | 0.937 | 0.924 | 0.910 | 0.897 | 0.883 | 0.869 |

| R410A | Pressure Drop (MPa) | | | | | | | | | | |
|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Evaporating Temp. (°C) | 0 | 0.025 | 0.05 | 0.075 | 0.1 | 0.125 | 0.15 | 0.175 | 0.2 | 0.225 |
| -60 | 1.000 | 0.994 | 0.989 | 0.983 | 0.977 | 0.972 | 0.966 | 0.960 | 0.954 | 0.949 | 0.943 |
| -50 | 1.000 | 0.994 | 0.989 | 0.983 | 0.977 | 0.971 | 0.965 | 0.959 | 0.953 | 0.948 | 0.942 |
| -40 | 1.000 | 0.994 | 0.988 | 0.982 | 0.976 | 0.970 | 0.964 | 0.958 | 0.952 | 0.946 | 0.940 |
| -30 | 1.000 | 0.994 | 0.988 | 0.981 | 0.975 | 0.969 | 0.963 | 0.956 | 0.950 | 0.943 | 0.937 |
| -20 | 1.000 | 0.993 | 0.987 | 0.980 | 0.973 | 0.967 | 0.960 | 0.953 | 0.946 | 0.939 | 0.932 |
| -10 | 1.000 | 0.993 | 0.986 | 0.978 | 0.971 | 0.963 | 0.956 | 0.948 | 0.941 | 0.933 | 0.925 |
| -5 | 1.000 | 0.992 | 0.985 | 0.977 | 0.969 | 0.961 | 0.953 | 0.945 | 0.937 | 0.929 | 0.920 |
| 0 | 1.000 | 0.992 | 0.983 | 0.975 | 0.966 | 0.958 | 0.949 | 0.940 | 0.932 | 0.923 | 0.914 |
| 5 | 1.000 | 0.991 | 0.982 | 0.972 | 0.963 | 0.954 | 0.944 | 0.934 | 0.925 | 0.915 | 0.905 |
| 10 | 1.000 | 0.990 | 0.979 | 0.969 | 0.958 | 0.948 | 0.937 | 0.926 | 0.915 | 0.904 | 0.892 |

| R448A | Pressure Drop (MPa) | | | | | | | | | | |
|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Evaporating Temp. (°C) | 0 | 0.025 | 0.05 | 0.075 | 0.1 | 0.125 | 0.15 | 0.175 | 0.2 | 0.225 |
| -60 | 1.000 | 0.993 | 0.986 | 0.978 | 0.971 | 0.964 | 0.956 | 0.949 | 0.941 | 0.934 | 0.926 |
| -50 | 1.000 | 0.993 | 0.985 | 0.978 | 0.971 | 0.963 | 0.956 | 0.948 | 0.941 | 0.933 | 0.925 |
| -40 | 1.000 | 0.993 | 0.985 | 0.978 | 0.970 | 0.962 | 0.955 | 0.947 | 0.939 | 0.931 | 0.923 |
| -30 | 1.000 | 0.992 | 0.985 | 0.977 | 0.969 | 0.961 | 0.953 | 0.945 | 0.937 | 0.928 | 0.920 |
| -20 | 1.000 | 0.992 | 0.984 | 0.975 | 0.967 | 0.959 | 0.950 | 0.942 | 0.933 | 0.924 | 0.916 |
| -10 | 1.000 | 0.991 | 0.982 | 0.973 | 0.964 | 0.955 | 0.946 | 0.937 | 0.927 | 0.918 | 0.908 |
| -5 | 1.000 | 0.991 | 0.981 | 0.972 | 0.962 | 0.953 | 0.943 | 0.933 | 0.923 | 0.913 | 0.903 |
| 0 | 1.000 | 0.990 | 0.980 | 0.970 | 0.960 | 0.950 | 0.939 | 0.929 | 0.918 | 0.908 | 0.897 |
| 5 | 1.000 | 0.989 | 0.979 | 0.968 | 0.957 | 0.946 | 0.934 | 0.923 | 0.911 | 0.900 | 0.888 |
| 10 | 1.000 | 0.988 | 0.976 | 0.965 | 0.952 | 0.940 | 0.928 | 0.915 | 0.902 | 0.889 | 0.876 |

| R449A | Pressure Drop (MPa) | | | | | | | | | | |
|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Evaporating Temp. (°C) | 0 | 0.025 | 0.05 | 0.075 | 0.1 | 0.125 | 0.15 | 0.175 | 0.2 | 0.225 |
| -60 | 1.000 | 0.993 | 0.986 | 0.978 | 0.971 | 0.963 | 0.956 | 0.948 | 0.941 | 0.933 | 0.925 |
| -50 | 1.000 | 0.993 | 0.985 | 0.978 | 0.970 | 0.963 | 0.955 | 0.948 | 0.940 | 0.932 | 0.924 |
| -40 | 1.000 | 0.992 | 0.985 | 0.977 | 0.970 | 0.962 | 0.954 | 0.946 | 0.938 | 0.930 | 0.922 |
| -30 | 1.000 | 0.992 | 0.984 | 0.976 | 0.969 | 0.960 | 0.952 | 0.944 | 0.936 | 0.928 | 0.919 |
| -20 | 1.000 | 0.992 | 0.984 | 0.975 | 0.967 | 0.958 | 0.950 | 0.941 | 0.932 | 0.923 | 0.915 |
| -10 | 1.000 | 0.991 | 0.982 | 0.973 | 0.964 | 0.955 | 0.945 | 0.936 | 0.927 | 0.917 | 0.907 |
| -5 | 1.000 | 0.991 | 0.981 | 0.972 | 0.962 | 0.952 | 0.942 | 0.933 | 0.922 | 0.912 | 0.902 |
| 0 | 1.000 | 0.990 | 0.980 | 0.970 | 0.960 | 0.949 | 0.939 | 0.928 | 0.917 | 0.906 | 0.895 |
| 5 | 1.000 | 0.989 | 0.978 | 0.967 | 0.956 | 0.945 | 0.934 | 0.922 | 0.910 | 0.899 | 0.887 |
| 10 | 1.000 | 0.988 | 0.976 | 0.964 | 0.952 | 0.939 | 0.927 | 0.914 | 0.901 | 0.888 | 0.875 |

Correction Factor for Supercooling

Correction factors shown here indicate changes in capacity depending on the degree of supercooling caused by low-stage side high-pressure solution refrigerant in the two-stage compression-type refrigerating device, and heat exchange attachment device, etc. For devices with a significant degree of supercooling, the figure shown in the capacity table multiplied by the correction factor shown in the table below is the capacity of the expansion valve.

R134a

| Condensing Temp (°C) | Sub-cooling ΔT | | | | | | | |
|----------------------|------------------------|------|------|------|------|------|------|------|
| | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 |
| 0 | 1.00 | 1.10 | 1.20 | 1.30 | - | - | - | - |
| 10 | 1.00 | 1.11 | 1.22 | 1.33 | 1.45 | - | - | - |
| 20 | 1.00 | 1.12 | 1.25 | 1.37 | 1.50 | 1.62 | - | - |
| 30 | 1.00 | 1.14 | 1.28 | 1.42 | 1.56 | 1.70 | 1.85 | - |
| 38 | 1.00 | 1.15 | 1.31 | 1.47 | 1.63 | 1.79 | 1.95 | 2.11 |
| 40 | 1.00 | 1.16 | 1.32 | 1.48 | 1.65 | 1.81 | 1.98 | 2.14 |
| 50 | 1.00 | 1.19 | 1.38 | 1.57 | 1.76 | 1.96 | 2.15 | 2.35 |
| 60 | 1.00 | 1.23 | 1.46 | 1.70 | 1.93 | 2.17 | 2.41 | 2.65 |

R404A

| Condensing Temp (°C) | Sub-cooling ΔT | | | | | | | |
|----------------------|------------------------|------|------|------|------|------|------|------|
| | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 |
| 0 | 1.00 | 1.13 | 1.26 | 1.39 | - | - | - | - |
| 10 | 1.00 | 1.15 | 1.29 | 1.44 | 1.59 | - | - | - |
| 20 | 1.00 | 1.17 | 1.34 | 1.51 | 1.69 | 1.86 | - | - |
| 30 | 1.00 | 1.20 | 1.41 | 1.62 | 1.82 | 2.03 | 2.24 | - |
| 38 | 1.00 | 1.24 | 1.49 | 1.73 | 1.98 | 2.23 | 2.48 | 2.73 |
| 40 | 1.00 | 1.26 | 1.51 | 1.77 | 2.03 | 2.29 | 2.55 | 2.82 |
| 50 | 1.00 | 1.35 | 1.70 | 2.04 | 2.39 | 2.74 | 3.09 | 3.45 |
| 60 | 1.00 | 1.56 | 2.11 | 2.65 | 3.19 | 3.74 | 4.28 | 4.84 |

R407C

| Condensing Temp (°C) | Sub-cooling ΔT | | | | | | | |
|----------------------|------------------------|------|------|------|------|------|------|------|
| | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 |
| 0 | 1.00 | 1.10 | 1.21 | 1.31 | - | - | - | - |
| 10 | 1.00 | 1.11 | 1.23 | 1.34 | 1.46 | - | - | - |
| 20 | 1.00 | 1.13 | 1.26 | 1.38 | 1.51 | 1.65 | - | - |
| 30 | 1.00 | 1.15 | 1.29 | 1.44 | 1.59 | 1.73 | 1.88 | - |
| 38 | 1.00 | 1.16 | 1.33 | 1.49 | 1.66 | 1.83 | 2.00 | 2.17 |
| 40 | 1.00 | 1.17 | 1.34 | 1.51 | 1.68 | 1.86 | 2.03 | 2.21 |
| 50 | 1.00 | 1.21 | 1.41 | 1.62 | 1.82 | 2.03 | 2.24 | 2.45 |
| 60 | 1.00 | 1.26 | 1.53 | 1.79 | 2.05 | 2.31 | 2.57 | 2.83 |

R410A

| Condensing Temp (°C) | Sub-cooling ΔT | | | | | | | |
|----------------------|------------------------|------|------|------|------|------|------|------|
| | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 |
| 0 | 1.00 | 1.11 | 1.21 | 1.32 | - | - | - | - |
| 10 | 1.00 | 1.12 | 1.24 | 1.36 | 1.48 | - | - | - |
| 20 | 1.00 | 1.14 | 1.27 | 1.41 | 1.54 | 1.68 | - | - |
| 30 | 1.00 | 1.16 | 1.32 | 1.47 | 1.63 | 1.79 | 1.94 | - |
| 38 | 1.00 | 1.18 | 1.36 | 1.54 | 1.72 | 1.90 | 2.08 | 2.27 |
| 40 | 1.00 | 1.19 | 1.38 | 1.57 | 1.75 | 1.94 | 2.13 | 2.32 |
| 50 | 1.00 | 1.25 | 1.48 | 1.72 | 1.95 | 2.18 | 2.42 | 2.65 |
| 60 | 1.00 | 1.36 | 1.70 | 2.02 | 2.34 | 2.66 | 2.98 | 3.29 |

R448A

| Condensing Temp (°C) | Sub-cooling ΔT | | | | | | | |
|----------------------|------------------------|------|------|------|------|------|------|------|
| | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 |
| 0 | 1.00 | 1.09 | 1.18 | 1.27 | - | - | - | - |
| 10 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | - | - | - |
| 20 | 1.00 | 1.12 | 1.23 | 1.34 | 1.46 | 1.57 | - | - |
| 30 | 1.00 | 1.13 | 1.27 | 1.40 | 1.52 | 1.65 | 1.78 | - |
| 38 | 1.00 | 1.15 | 1.30 | 1.45 | 1.60 | 1.74 | 1.88 | 2.03 |
| 40 | 1.00 | 1.16 | 1.32 | 1.47 | 1.62 | 1.77 | 1.91 | 2.06 |
| 50 | 1.00 | 1.20 | 1.39 | 1.57 | 1.76 | 1.94 | 2.12 | 2.29 |
| 60 | 1.00 | 1.26 | 1.51 | 1.75 | 1.99 | 2.22 | 2.45 | 2.67 |

R449A

| Condensing Temp (°C) | Sub-cooling ΔT | | | | | | | |
|----------------------|------------------------|------|------|------|------|------|------|------|
| | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 |
| 0 | 1.00 | 1.09 | 1.18 | 1.28 | - | - | - | - |
| 10 | 1.00 | 1.10 | 1.21 | 1.31 | 1.41 | - | - | - |
| 20 | 1.00 | 1.12 | 1.23 | 1.35 | 1.46 | 1.57 | - | - |
| 30 | 1.00 | 1.14 | 1.27 | 1.40 | 1.53 | 1.66 | 1.79 | - |
| 38 | 1.00 | 1.16 | 1.31 | 1.46 | 1.60 | 1.75 | 1.89 | 2.04 |
| 40 | 1.00 | 1.16 | 1.32 | 1.47 | 1.63 | 1.78 | 1.93 | 2.07 |
| 50 | 1.00 | 1.20 | 1.39 | 1.58 | 1.77 | 1.95 | 2.13 | 2.31 |
| 60 | 1.00 | 1.27 | 1.52 | 1.77 | 2.01 | 2.25 | 2.48 | 2.71 |

QCX/RCX Capacity table

R410A

Charge type : SA <-45~10℃>

| Catalog No. | | evaporating temp. (℃) | Capacity (U.S.R.T.) {kW} | | | | |
|----------------------|----------------------|-----------------------|--------------------------|-------------|-------------|-------------|-------------|
| Type | Model | | Condensing temp. (℃) | | | | |
| | | | 20 | 30 | 38 | 40 | 50 |
| QCX-RCX- | 0334BVSA 0334DVSA | 10 | 0.26 {0.90} | 0.33 {1.17} | 0.36 {1.27} | 0.36 {1.28} | 0.36 {1.28} |
| | | 5 | 0.32 {1.12} | 0.38 {1.33} | 0.40 {1.40} | 0.40 {1.41} | 0.39 {1.38} |
| | | 0 | 0.32 {1.14} | 0.37 {1.29} | 0.38 {1.33} | 0.38 {1.33} | 0.36 {1.28} |
| | | -5 | 0.31 {1.10} | 0.34 {1.20} | 0.35 {1.22} | 0.35 {1.22} | 0.33 {1.16} |
| | | -10 | 0.30 {1.07} | 0.32 {1.14} | 0.33 {1.15} | 0.33 {1.15} | 0.31 {1.08} |
| | | -20 | 0.28 {1.00} | 0.29 {1.03} | 0.29 {1.03} | 0.29 {1.02} | 0.27 {0.95} |
| | | -30 | 0.26 {0.90} | 0.26 {0.92} | 0.26 {0.90} | 0.25 {0.89} | 0.24 {0.83} |
| | | -40 | 0.22 {0.77} | 0.22 {0.78} | 0.22 {0.76} | 0.21 {0.75} | 0.20 {0.69} |
| | -45 | 0.19 {0.68} | 0.19 {0.68} | 0.19 {0.67} | 0.19 {0.66} | 0.17 {0.60} | |
| | 0534BVSA 0534DVSA | 10 | 0.39 {1.36} | 0.50 {1.77} | 0.55 {1.92} | 0.55 {1.94} | 0.55 {1.92} |
| | | 5 | 0.48 {1.69} | 0.57 {2.01} | 0.60 {2.12} | 0.61 {2.13} | 0.59 {2.08} |
| | | 0 | 0.49 {1.71} | 0.55 {1.93} | 0.57 {2.00} | 0.57 {2.01} | 0.55 {1.93} |
| | | -5 | 0.47 {1.64} | 0.51 {1.79} | 0.52 {1.83} | 0.52 {1.83} | 0.49 {1.74} |
| | | -10 | 0.46 {1.60} | 0.48 {1.70} | 0.49 {1.72} | 0.49 {1.72} | 0.46 {1.62} |
| | | -20 | 0.42 {1.49} | 0.44 {1.54} | 0.44 {1.53} | 0.43 {1.52} | 0.40 {1.42} |
| | | -30 | 0.38 {1.33} | 0.39 {1.36} | 0.38 {1.34} | 0.38 {1.33} | 0.35 {1.23} |
| | | -40 | 0.32 {1.14} | 0.33 {1.15} | 0.32 {1.12} | 0.32 {1.11} | 0.29 {1.02} |
| | -45 | 0.28 {1.00} | 0.29 {1.01} | 0.28 {0.98} | 0.28 {0.97} | 0.25 {0.89} | |
| | 0934BVSA 0934DVSA | 10 | 0.65 {2.27} | 0.84 {2.94} | 0.91 {3.20} | 0.92 {3.23} | 0.91 {3.21} |
| | | 5 | 0.80 {2.82} | 0.95 {3.35} | 1.01 {3.54} | 1.01 {3.56} | 0.99 {3.47} |
| | | 0 | 0.81 {2.85} | 0.92 {3.22} | 0.95 {3.34} | 0.95 {3.34} | 0.92 {3.22} |
| | | -5 | 0.78 {2.73} | 0.85 {2.98} | 0.86 {3.04} | 0.86 {3.04} | 0.82 {2.89} |
| | | -10 | 0.75 {2.64} | 0.80 {2.82} | 0.81 {2.85} | 0.81 {2.84} | 0.76 {2.68} |
| | | -20 | 0.70 {2.45} | 0.72 {2.54} | 0.72 {2.53} | 0.71 {2.51} | 0.67 {2.34} |
| | | -30 | 0.62 {2.19} | 0.63 {2.23} | 0.63 {2.20} | 0.62 {2.18} | 0.57 {2.01} |
| | | -40 | 0.53 {1.87} | 0.53 {1.88} | 0.52 {1.84} | 0.52 {1.82} | 0.47 {1.67} |
| | -45 | 0.47 {1.64} | 0.47 {1.65} | 0.46 {1.61} | 0.45 {1.59} | 0.42 {1.46} | |
| | 1434BVSA 1434DVSA | 10 | 1.02 {3.58} | 1.32 {4.64} | 1.43 {5.04} | 1.45 {5.09} | 1.44 {5.06} |
| | | 5 | 1.26 {4.44} | 1.50 {5.28} | 1.59 {5.58} | 1.59 {5.60} | 1.56 {5.47} |
| | | 0 | 1.28 {4.51} | 1.45 {5.09} | 1.50 {5.27} | 1.50 {5.27} | 1.44 {5.08} |
| | | -5 | 1.23 {4.32} | 1.34 {4.72} | 1.37 {4.82} | 1.37 {4.81} | 1.30 {4.58} |
| | | -10 | 1.19 {4.19} | 1.27 {4.48} | 1.29 {4.52} | 1.28 {4.51} | 1.21 {4.26} |
| | | -20 | 1.11 {3.90} | 1.15 {4.04} | 1.14 {4.02} | 1.14 {4.00} | 1.06 {3.73} |
| | | -30 | 1.00 {3.50} | 1.02 {3.57} | 1.00 {3.51} | 0.99 {3.48} | 0.92 {3.22} |
| | | -40 | 0.85 {2.98} | 0.86 {3.01} | 0.84 {2.95} | 0.83 {2.92} | 0.76 {2.68} |
| | -45 | 0.75 {2.62} | 0.75 {2.64} | 0.73 {2.58} | 0.73 {2.55} | 0.67 {2.34} | |
| | 1734BVSA 1734DVSA | 10 | 1.28 {4.51} | 1.66 {5.85} | 1.81 {6.35} | 1.82 {6.41} | 1.81 {6.37} |
| | | 5 | 1.59 {5.59} | 1.89 {6.64} | 1.99 {7.01} | 2.00 {7.05} | 1.96 {6.88} |
| | | 0 | 1.62 {5.68} | 1.82 {6.41} | 1.89 {6.64} | 1.89 {6.65} | 1.82 {6.40} |
| | | -5 | 1.55 {5.45} | 1.69 {5.95} | 1.73 {6.08} | 1.73 {6.07} | 1.65 {5.79} |
| | | -10 | 1.51 {5.30} | 1.61 {5.66} | 1.62 {5.71} | 1.62 {5.69} | 1.53 {5.38} |
| | | -20 | 1.40 {4.94} | 1.46 {5.12} | 1.45 {5.09} | 1.44 {5.06} | 1.34 {4.72} |
| | | -30 | 1.26 {4.43} | 1.29 {4.52} | 1.27 {4.45} | 1.25 {4.41} | 1.16 {4.08} |
| | | -40 | 1.08 {3.79} | 1.09 {3.82} | 1.06 {3.74} | 1.05 {3.70} | 0.97 {3.40} |
| | -45 | 0.95 {3.33} | 0.95 {3.35} | 0.93 {3.28} | 0.92 {3.24} | 0.84 {2.97} | |
| 2634BVSA 2634DVSA | 10 | 1.93 {6.78} | 2.50 {8.80} | 2.72 {9.56} | 2.74 {9.65} | 2.73 {9.59} | |
| | 5 | 2.39 {8.42} | 2.84 {10.0} | 3.01 {10.6} | 3.01 {10.6} | 2.96 {10.4} | |
| | 0 | 2.43 {8.54} | 2.74 {9.63} | 2.84 {9.98} | 2.84 {9.99} | 2.74 {9.63} | |
| | -5 | 2.32 {8.17} | 2.54 {8.93} | 2.59 {9.12} | 2.59 {9.10} | 2.47 {8.68} | |
| | -10 | 2.26 {7.94} | 2.41 {8.47} | 2.43 {8.56} | 2.43 {8.53} | 2.29 {8.06} | |
| | -20 | 2.10 {7.38} | 2.18 {7.65} | 2.16 {7.61} | 2.15 {7.56} | 2.00 {7.05} | |
| | -30 | 1.88 {6.61} | 1.92 {6.74} | 1.89 {6.64} | 1.87 {6.58} | 1.73 {6.08} | |
| | -40 | 1.60 {5.64} | 1.62 {5.69} | 1.58 {5.57} | 1.57 {5.51} | 1.44 {5.06} | |
| -45 | 1.41 {4.95} | 1.42 {4.98} | 1.38 {4.87} | 1.37 {4.82} | 1.26 {4.42} | | |
| 3534BVSA 3534DVSA | 10 | 2.57 {9.04} | 3.33 {11.7} | 3.61 {12.7} | 3.67 {12.9} | 3.64 {12.8} | |
| | 5 | 3.19 {11.2} | 3.78 {13.3} | 4.01 {14.1} | 4.01 {14.1} | 3.92 {13.8} | |
| | 0 | 3.24 {11.4} | 3.64 {12.8} | 3.78 {13.3} | 3.78 {13.3} | 3.64 {12.8} | |
| | -5 | 3.10 {10.9} | 3.38 {11.9} | 3.44 {12.1} | 3.44 {12.1} | 3.30 {11.6} | |
| | -10 | 3.01 {10.6} | 3.21 {11.3} | 3.24 {11.4} | 3.24 {11.4} | 3.04 {10.7} | |
| | -20 | 2.79 {9.82} | 2.90 {10.2} | 2.87 {10.1} | 2.87 {10.1} | 2.67 {9.38} | |
| | -30 | 2.50 {8.80} | 2.55 {8.97} | 2.51 {8.83} | 2.49 {8.75} | 2.30 {8.09} | |
| | -40 | 2.13 {7.50} | 2.15 {7.57} | 2.11 {7.41} | 2.08 {7.33} | 1.91 {6.73} | |
| -45 | 1.87 {6.59} | 1.89 {6.63} | 1.84 {6.48} | 1.82 {6.41} | 1.67 {5.87} | | |
| 5234BVSA 5234DVSA | 10 | 3.84 {13.5} | 5.01 {17.6} | 5.43 {19.1} | 5.49 {19.3} | 5.43 {19.1} | |
| | 5 | 4.78 {16.8} | 5.69 {20.0} | 6.00 {21.1} | 6.03 {21.2} | 5.89 {20.7} | |
| | 0 | 4.83 {17.0} | 5.46 {19.2} | 5.66 {19.9} | 5.66 {19.9} | 5.46 {19.2} | |
| | -5 | 4.64 {16.3} | 5.06 {17.8} | 5.18 {18.2} | 5.15 {18.1} | 4.92 {17.3} | |
| | -10 | 4.49 {15.8} | 4.81 {16.9} | 4.83 {17.0} | 4.83 {17.0} | 4.55 {16.0} | |
| | -20 | 4.15 {14.6} | 4.32 {15.2} | 4.29 {15.1} | 4.27 {15.0} | 3.98 {14.0} | |
| | -30 | 3.73 {13.1} | 3.81 {13.4} | 3.75 {13.2} | 3.70 {13.0} | 3.41 {12.0} | |
| | -40 | 3.19 {11.2} | 3.21 {11.3} | 3.13 {11.0} | 3.10 {10.9} | 2.84 {10.0} | |
| -45 | 2.78 {9.79} | 2.80 {9.85} | 2.74 {9.63} | 2.71 {9.53} | 2.48 {8.73} | | |

R410A

Charge type : C <-40~-10℃>

| Catalog No. | | evaporating temp. (°C) | Capacity (U.S.R.T.) {kW} | | | | |
|--------------|--------------------|---------------------------|--------------------------|-------------|-------------|-------------|-------------|
| Type | Model | | Condensing temp. (°C) | | | | |
| | | | 20 | 30 | 38 | 40 | 50 |
| QCX- RCX- | 0334BVC 0334DVC | -10 | 0.32 {1.14} | 0.35 {1.22} | 0.35 {1.23} | 0.35 {1.23} | 0.33 {1.16} |
| | | -20 | 0.32 {1.14} | 0.34 {1.18} | 0.34 {1.18} | 0.33 {1.17} | 0.31 {1.09} |
| | | -30 | 0.30 {1.06} | 0.31 {1.08} | 0.30 {1.07} | 0.30 {1.06} | 0.28 {0.98} |
| | | -40 | 0.26 {0.91} | 0.26 {0.92} | 0.26 {0.90} | 0.25 {0.89} | 0.23 {0.82} |
| | 0534BVC 0534DVC | -10 | 0.49 {1.71} | 0.52 {1.83} | 0.53 {1.85} | 0.52 {1.84} | 0.49 {1.74} |
| | | -20 | 0.49 {1.71} | 0.50 {1.77} | 0.50 {1.76} | 0.50 {1.75} | 0.46 {1.63} |
| | | -30 | 0.45 {1.58} | 0.46 {1.61} | 0.45 {1.59} | 0.45 {1.58} | 0.42 {1.46} |
| | | -40 | 0.38 {1.35} | 0.39 {1.37} | 0.38 {1.34} | 0.38 {1.32} | 0.34 {1.21} |
| | 0934BVC 0934DVC | -10 | 0.81 {2.84} | 0.86 {3.03} | 0.87 {3.06} | 0.87 {3.05} | 0.82 {2.88} |
| | | -20 | 0.80 {2.82} | 0.83 {2.93} | 0.83 {2.91} | 0.82 {2.89} | 0.77 {2.70} |
| | | -30 | 0.74 {2.61} | 0.76 {2.66} | 0.75 {2.62} | 0.74 {2.60} | 0.68 {2.40} |
| | | -40 | 0.63 {2.23} | 0.64 {2.25} | 0.63 {2.20} | 0.62 {2.18} | 0.57 {2.00} |
| | 1434BVC 1434DVC | -10 | 1.28 {4.50} | 1.37 {4.80} | 1.38 {4.85} | 1.37 {4.83} | 1.30 {4.57} |
| | | -20 | 1.27 {4.48} | 1.32 {4.65} | 1.31 {4.62} | 1.31 {4.59} | 1.22 {4.28} |
| | | -30 | 1.18 {4.16} | 1.21 {4.24} | 1.19 {4.17} | 1.18 {4.14} | 1.09 {3.82} |
| | | -40 | 1.01 {3.55} | 1.02 {3.58} | 1.00 {3.51} | 0.99 {3.47} | 0.91 {3.19} |
| | 1734BVC 1734DVC | -10 | 1.62 {5.68} | 1.72 {6.06} | 1.74 {6.12} | 1.73 {6.10} | 1.64 {5.77} |
| | | -20 | 1.61 {5.67} | 1.67 {5.88} | 1.66 {5.84} | 1.65 {5.81} | 1.54 {5.41} |
| | | -30 | 1.50 {5.26} | 1.52 {5.36} | 1.50 {5.28} | 1.49 {5.23} | 1.37 {4.83} |
| | | -40 | 1.28 {4.50} | 1.29 {4.54} | 1.27 {4.45} | 1.25 {4.40} | 1.15 {4.04} |
| | 2634BVC 2634DVC | -10 | 2.42 {8.52} | 2.59 {9.09} | 2.61 {9.18} | 2.60 {9.15} | 2.46 {8.64} |
| | | -20 | 2.41 {8.49} | 2.50 {8.80} | 2.49 {8.75} | 2.47 {8.69} | 2.30 {8.10} |
| | | -30 | 2.24 {7.86} | 2.28 {8.01} | 2.24 {7.89} | 2.22 {7.82} | 2.06 {7.23} |
| | | -40 | 1.91 {6.72} | 1.93 {6.77} | 1.89 {6.63} | 1.87 {6.57} | 1.71 {6.03} |
| | 3534BVC 3534DVC | -10 | 3.21 {11.3} | 3.44 {12.1} | 3.47 {12.2} | 3.47 {12.2} | 3.27 {11.5} |
| | | -20 | 3.21 {11.3} | 3.33 {11.7} | 3.30 {11.6} | 3.30 {11.6} | 3.07 {10.8} |
| | | -30 | 2.99 {10.5} | 3.04 {10.7} | 2.99 {10.5} | 2.96 {10.4} | 2.74 {9.62} |
| | | -40 | 2.54 {8.93} | 2.56 {9.01} | 2.51 {8.82} | 2.48 {8.73} | 2.28 {8.02} |
| | 5234BVC 5234DVC | -10 | 4.83 {17.0} | 5.15 {18.1} | 5.20 {18.3} | 5.18 {18.2} | 4.89 {17.2} |
| | | -20 | 4.81 {16.9} | 4.98 {17.5} | 4.95 {17.4} | 4.92 {17.3} | 4.58 {16.1} |
| | | -30 | 4.44 {15.6} | 4.52 {15.9} | 4.46 {15.7} | 4.41 {15.5} | 4.07 {14.3} |
| | | -40 | 3.78 {13.3} | 3.81 {13.4} | 3.73 {13.1} | 3.70 {13.0} | 3.38 {11.9} |

R410A

Charge type : SL <-60~-30℃>

| Catalog No. | | evaporating temp. (℃) | Capacity (U.S.R.T.) {kW} | | | | |
|--------------|----------------------|--------------------------|--------------------------|-------------|-------------|-------------|-------------|
| Type | Model | | Condensing temp. (℃) | | | | |
| | | | 20 | 30 | 38 | 40 | 50 |
| QCX- RCX- | 0334BVSL 0334DVSL | -30 | 0.20 {0.71} | 0.21 {0.73} | 0.20 {0.71} | 0.20 {0.71} | 0.19 {0.65} |
| | | -35 | 0.21 {0.75} | 0.22 {0.76} | 0.21 {0.75} | 0.21 {0.74} | 0.19 {0.68} |
| | | -40 | 0.21 {0.74} | 0.21 {0.74} | 0.21 {0.73} | 0.20 {0.72} | 0.19 {0.66} |
| | | -45 | 0.19 {0.67} | 0.19 {0.67} | 0.19 {0.65} | 0.18 {0.65} | 0.17 {0.59} |
| | | -50 | 0.16 {0.56} | 0.16 {0.57} | 0.16 {0.55} | 0.16 {0.55} | 0.14 {0.50} |
| | | -55 | 0.13 {0.47} | 0.13 {0.47} | 0.13 {0.46} | 0.13 {0.46} | 0.12 {0.42} |
| | 0534BVSL 0534DVSL | -30 | 0.30 {1.04} | 0.30 {1.06} | 0.30 {1.05} | 0.30 {1.04} | 0.27 {0.96} |
| | | -35 | 0.31 {1.10} | 0.32 {1.12} | 0.31 {1.10} | 0.31 {1.09} | 0.28 {1.00} |
| | | -40 | 0.31 {1.08} | 0.31 {1.09} | 0.30 {1.07} | 0.30 {1.06} | 0.28 {0.97} |
| | | -45 | 0.28 {0.97} | 0.28 {0.98} | 0.27 {0.96} | 0.27 {0.95} | 0.25 {0.87} |
| | | -50 | 0.23 {0.82} | 0.23 {0.83} | 0.23 {0.81} | 0.23 {0.80} | 0.21 {0.73} |
| | | -55 | 0.20 {0.69} | 0.20 {0.69} | 0.19 {0.67} | 0.19 {0.67} | 0.17 {0.61} |
| | 0934BVSL 0934DVSL | -30 | 0.49 {1.71} | 0.49 {1.74} | 0.49 {1.71} | 0.48 {1.70} | 0.45 {1.57} |
| | | -35 | 0.51 {1.81} | 0.52 {1.83} | 0.51 {1.80} | 0.51 {1.78} | 0.47 {1.64} |
| | | -40 | 0.50 {1.77} | 0.51 {1.78} | 0.50 {1.74} | 0.49 {1.73} | 0.45 {1.58} |
| | | -45 | 0.45 {1.59} | 0.46 {1.60} | 0.45 {1.57} | 0.44 {1.55} | 0.40 {1.42} |
| | | -50 | 0.38 {1.34} | 0.38 {1.35} | 0.37 {1.31} | 0.37 {1.30} | 0.34 {1.19} |
| | | -55 | 0.32 {1.12} | 0.32 {1.12} | 0.31 {1.10} | 0.31 {1.08} | 0.28 {0.99} |
| | 1434BVSL 1434DVSL | -30 | 0.78 {2.76} | 0.80 {2.81} | 0.79 {2.77} | 0.78 {2.74} | 0.72 {2.53} |
| | | -35 | 0.83 {2.92} | 0.84 {2.95} | 0.82 {2.90} | 0.82 {2.87} | 0.75 {2.64} |
| | | -40 | 0.81 {2.85} | 0.82 {2.88} | 0.80 {2.82} | 0.79 {2.79} | 0.73 {2.56} |
| | | -45 | 0.73 {2.58} | 0.74 {2.59} | 0.72 {2.53} | 0.71 {2.50} | 0.65 {2.29} |
| | | -50 | 0.62 {2.17} | 0.62 {2.18} | 0.61 {2.13} | 0.60 {2.11} | 0.55 {1.93} |
| | | -55 | 0.52 {1.82} | 0.52 {1.82} | 0.51 {1.78} | 0.50 {1.76} | 0.46 {1.61} |
| | 1734BVSL 1734DVSL | -30 | 0.99 {3.48} | 1.01 {3.55} | 0.99 {3.50} | 0.99 {3.47} | 0.91 {3.20} |
| | | -35 | 1.05 {3.68} | 1.06 {3.73} | 1.04 {3.67} | 1.03 {3.63} | 0.95 {3.34} |
| | | -40 | 1.02 {3.60} | 1.03 {3.64} | 1.01 {3.56} | 1.00 {3.53} | 0.92 {3.24} |
| | | -45 | 0.93 {3.26} | 0.93 {3.28} | 0.91 {3.20} | 0.90 {3.17} | 0.83 {2.90} |
| | | -50 | 0.78 {2.75} | 0.79 {2.76} | 0.77 {2.70} | 0.76 {2.67} | 0.69 {2.44} |
| | | -55 | 0.65 {2.30} | 0.66 {2.31} | 0.64 {2.25} | 0.63 {2.23} | 0.58 {2.04} |
| | 2634BVSL 2634DVSL | -30 | 1.51 {5.30} | 1.54 {5.41} | 1.51 {5.33} | 1.50 {5.28} | 1.39 {4.88} |
| | | -35 | 1.59 {5.61} | 1.62 {5.68} | 1.59 {5.58} | 1.57 {5.53} | 1.45 {5.09} |
| | | -40 | 1.56 {5.49} | 1.57 {5.54} | 1.54 {5.42} | 1.53 {5.37} | 1.40 {4.93} |
| | | -45 | 1.41 {4.95} | 1.42 {4.98} | 1.38 {4.87} | 1.37 {4.82} | 1.25 {4.41} |
| | | -50 | 1.19 {4.18} | 1.19 {4.19} | 1.16 {4.09} | 1.15 {4.05} | 1.05 {3.70} |
| | | -55 | 0.99 {3.49} | 1.00 {3.50} | 0.97 {3.42} | 0.96 {3.38} | 0.88 {3.09} |
| | 3534BVSL 3534DVSL | -30 | 2.03 {7.14} | 2.07 {7.28} | 2.04 {7.17} | 2.02 {7.11} | 1.87 {6.57} |
| | | -35 | 2.15 {7.55} | 2.18 {7.65} | 2.14 {7.52} | 2.12 {7.44} | 1.95 {6.85} |
| | | -40 | 2.10 {7.39} | 2.12 {7.45} | 2.08 {7.30} | 2.05 {7.23} | 1.89 {6.63} |
| | | -45 | 1.90 {6.67} | 1.91 {6.71} | 1.86 {6.56} | 1.84 {6.49} | 1.69 {5.94} |
| | | -50 | 1.60 {5.63} | 1.61 {5.65} | 1.57 {5.51} | 1.55 {5.45} | 1.42 {4.99} |
| | | -55 | 1.34 {4.70} | 1.34 {4.71} | 1.31 {4.60} | 1.29 {4.55} | 1.18 {4.16} |
| | 5234BVSL 5234DVSL | -30 | 2.78 {9.77} | 2.83 {9.95} | 2.79 {9.81} | 2.76 {9.72} | 2.55 {8.98} |
| | | -35 | 2.94 {10.3} | 2.98 {10.5} | 2.92 {10.3} | 2.90 {10.2} | 2.67 {9.37} |
| | | -40 | 2.87 {10.1} | 2.90 {10.2} | 2.84 {9.98} | 2.81 {9.88} | 2.58 {9.07} |
| | | -45 | 2.59 {9.11} | 2.61 {9.17} | 2.55 {8.96} | 2.52 {8.86} | 2.31 {8.12} |
| | | -50 | 2.18 {7.68} | 2.19 {7.71} | 2.14 {7.52} | 2.12 {7.44} | 1.94 {6.81} |
| | | -55 | 1.82 {6.41} | 1.83 {6.43} | 1.78 {6.27} | 1.76 {6.20} | 1.61 {5.67} |
| | | -60 | 1.81 {6.37} | 1.82 {6.39} | 1.77 {6.24} | 1.76 {6.17} | 1.61 {5.65} |

| Catalog No. | | evaporating temp. (℃) | Capacity (U.S.R.T.) {kW} | | | | |
|------------------------|------------------------|--------------------------|--------------------------|-------------|-------------|-------------|-------------|
| Type | Model | | Condensing temp. (℃) | | | | |
| | | | 20 | 30 | 38 | 40 | 50 |
| QCX- RCX- | 0334BC1SA 0334DC1SA | 10 | 0.19 {0.67} | 0.25 {0.88} | 0.27 {0.96} | 0.28 {0.97} | 0.28 {1.00} |
| | | 5 | 0.25 {0.88} | 0.30 {1.04} | 0.32 {1.11} | 0.32 {1.12} | 0.32 {1.12} |
| | | 0 | 0.25 {0.87} | 0.28 {0.99} | 0.30 {1.04} | 0.30 {1.05} | 0.30 {1.04} |
| | | -5 | 0.26 {0.92} | 0.29 {1.01} | 0.29 {1.03} | 0.30 {1.04} | 0.29 {1.01} |
| | | -10 | 0.25 {0.87} | 0.27 {0.94} | 0.27 {0.96} | 0.27 {0.96} | 0.26 {0.93} |
| | | -20 | 0.23 {0.81} | 0.24 {0.85} | 0.24 {0.85} | 0.24 {0.85} | 0.23 {0.81} |
| | | -30 | 0.20 {0.69} | 0.20 {0.71} | 0.20 {0.70} | 0.20 {0.70} | 0.19 {0.66} |
| | | -40 | 0.15 {0.54} | 0.16 {0.55} | 0.15 {0.54} | 0.15 {0.54} | 0.15 {0.51} |
| | 0434BC1SA 0434DC1SA | 10 | 0.28 {1.00} | 0.37 {1.31} | 0.41 {1.44} | 0.42 {1.47} | 0.43 {1.50} |
| | | 5 | 0.37 {1.31} | 0.44 {1.56} | 0.47 {1.66} | 0.48 {1.68} | 0.48 {1.68} |
| | | 0 | 0.37 {1.31} | 0.42 {1.49} | 0.45 {1.57} | 0.45 {1.58} | 0.44 {1.56} |
| | | -5 | 0.39 {1.38} | 0.43 {1.51} | 0.44 {1.55} | 0.44 {1.55} | 0.43 {1.51} |
| | | -10 | 0.37 {1.31} | 0.40 {1.41} | 0.41 {1.44} | 0.41 {1.44} | 0.40 {1.40} |
| | | -20 | 0.34 {1.21} | 0.36 {1.27} | 0.36 {1.27} | 0.36 {1.27} | 0.34 {1.21} |
| | | -30 | 0.29 {1.02} | 0.30 {1.05} | 0.30 {1.04} | 0.30 {1.04} | 0.28 {0.98} |
| | | -40 | 0.22 {0.79} | 0.23 {0.81} | 0.23 {0.80} | 0.22 {0.79} | 0.21 {0.75} |
| | 0734BC1SA 0734DC1SA | 10 | 0.47 {1.66} | 0.62 {2.19} | 0.69 {2.41} | 0.69 {2.44} | 0.71 {2.49} |
| | | 5 | 0.62 {2.19} | 0.74 {2.61} | 0.79 {2.77} | 0.80 {2.80} | 0.80 {2.80} |
| | | 0 | 0.62 {2.19} | 0.71 {2.49} | 0.75 {2.62} | 0.75 {2.63} | 0.74 {2.60} |
| | | -5 | 0.66 {2.31} | 0.72 {2.52} | 0.74 {2.59} | 0.74 {2.59} | 0.72 {2.52} |
| | | -10 | 0.62 {2.18} | 0.67 {2.35} | 0.68 {2.40} | 0.68 {2.40} | 0.66 {2.32} |
| | | -20 | 0.57 {2.01} | 0.60 {2.10} | 0.60 {2.11} | 0.60 {2.11} | 0.57 {2.01} |
| | | -30 | 0.48 {1.68} | 0.49 {1.73} | 0.49 {1.72} | 0.49 {1.72} | 0.46 {1.62} |
| | | -40 | 0.37 {1.30} | 0.38 {1.33} | 0.38 {1.32} | 0.37 {1.31} | 0.35 {1.23} |
| | 1234BC1SA 1234DC1SA | 10 | 0.75 {2.64} | 0.99 {3.47} | 1.10 {3.86} | 1.11 {3.91} | 1.12 {3.95} |
| | | 5 | 0.99 {3.48} | 1.17 {4.13} | 1.26 {4.44} | 1.27 {4.48} | 1.26 {4.44} |
| | | 0 | 0.98 {3.46} | 1.12 {3.95} | 1.18 {4.14} | 1.18 {4.16} | 1.17 {4.12} |
| | | -5 | 1.04 {3.66} | 1.13 {3.99} | 1.18 {4.14} | 1.18 {4.14} | 1.14 {4.00} |
| | | -10 | 0.98 {3.46} | 1.06 {3.73} | 1.08 {3.81} | 1.08 {3.81} | 1.05 {3.69} |
| | | -20 | 0.91 {3.19} | 0.95 {3.34} | 0.96 {3.36} | 0.95 {3.35} | 0.91 {3.20} |
| | | -30 | 0.77 {2.69} | 0.79 {2.77} | 0.78 {2.75} | 0.78 {2.74} | 0.74 {2.59} |
| | | -40 | 0.59 {2.09} | 0.61 {2.13} | 0.60 {2.11} | 0.60 {2.10} | 0.56 {1.97} |
| | 1534BC1SA 1534DC1SA | 10 | 0.95 {3.33} | 1.24 {4.37} | 1.37 {4.82} | 1.39 {4.88} | 1.42 {4.99} |
| | | 5 | 1.25 {4.39} | 1.48 {5.20} | 1.58 {5.55} | 1.59 {5.59} | 1.60 {5.61} |
| | | 0 | 1.24 {4.36} | 1.42 {4.98} | 1.48 {5.22} | 1.49 {5.25} | 1.48 {5.19} |
| | | -5 | 1.31 {4.62} | 1.43 {5.03} | 1.47 {5.17} | 1.47 {5.18} | 1.44 {5.05} |
| | | -10 | 1.24 {4.37} | 1.34 {4.71} | 1.37 {4.81} | 1.37 {4.81} | 1.33 {4.66} |
| | | -20 | 1.15 {4.04} | 1.20 {4.23} | 1.21 {4.25} | 1.21 {4.24} | 1.15 {4.05} |
| | | -30 | 0.97 {3.41} | 1.00 {3.51} | 0.99 {3.49} | 0.99 {3.47} | 0.93 {3.28} |
| | | -40 | 0.76 {2.66} | 0.77 {2.71} | 0.76 {2.68} | 0.76 {2.66} | 0.71 {2.50} |
| | 2234BC1SA 2234DC1SA | 10 | 1.42 {4.99} | 1.87 {6.56} | 2.06 {7.23} | 2.08 {7.33} | 2.13 {7.49} |
| | | 5 | 1.87 {6.58} | 2.22 {7.81} | 2.37 {8.32} | 2.39 {8.39} | 2.39 {8.40} |
| | | 0 | 1.86 {6.55} | 2.12 {7.47} | 2.23 {7.84} | 2.24 {7.88} | 2.22 {7.79} |
| | | -5 | 1.97 {6.92} | 2.15 {7.55} | 2.21 {7.76} | 2.21 {7.77} | 2.15 {7.57} |
| | | -10 | 1.86 {6.54} | 2.00 {7.05} | 2.05 {7.21} | 2.05 {7.21} | 1.99 {6.98} |
| | | -20 | 1.72 {6.04} | 1.80 {6.32} | 1.81 {6.36} | 1.80 {6.34} | 1.72 {6.05} |
| | | -30 | 1.44 {5.08} | 1.49 {5.23} | 1.48 {5.20} | 1.47 {5.18} | 1.39 {4.89} |
| | | -40 | 1.12 {3.95} | 1.14 {4.02} | 1.13 {3.98} | 1.13 {3.96} | 1.06 {3.71} |
| 2934BC1SA 2934DC1SA | 10 | 1.89 {6.65} | 2.49 {8.76} | 2.74 {9.62} | 2.77 {9.75} | 2.84 {10.0} | |
| | 5 | 2.49 {8.77} | 2.96 {10.4} | 3.16 {11.1} | 3.19 {11.2} | 3.19 {11.2} | |
| | 0 | 2.49 {8.74} | 2.84 {10.0} | 2.99 {10.5} | 2.99 {10.5} | 2.96 {10.4} | |
| | -5 | 2.62 {9.23} | 2.87 {10.1} | 2.93 {10.3} | 2.96 {10.4} | 2.87 {10.1} | |
| | -10 | 2.48 {8.72} | 2.68 {9.41} | 2.73 {9.61} | 2.73 {9.61} | 2.65 {9.31} | |
| | -20 | 2.29 {8.05} | 2.40 {8.43} | 2.41 {8.47} | 2.40 {8.45} | 2.30 {8.07} | |
| | -30 | 1.93 {6.77} | 1.98 {6.97} | 1.97 {6.94} | 1.96 {6.90} | 1.85 {6.52} | |
| | -40 | 1.50 {5.26} | 1.52 {5.36} | 1.51 {5.30} | 1.50 {5.27} | 1.41 {4.95} | |
| 4334BC1SA 4334DC1SA | 10 | 2.84 {10.0} | 3.73 {13.1} | 4.10 {14.4} | 4.18 {14.7} | 4.27 {15.0} | |
| | 5 | 3.73 {13.1} | 4.44 {15.6} | 4.72 {16.6} | 4.78 {16.8} | 4.78 {16.8} | |
| | 0 | 3.73 {13.1} | 4.27 {15.0} | 4.46 {15.7} | 4.49 {15.8} | 4.44 {15.6} | |
| | -5 | 3.92 {13.8} | 4.29 {15.1} | 4.41 {15.5} | 4.41 {15.5} | 4.29 {15.1} | |
| | -10 | 3.73 {13.1} | 4.01 {14.1} | 4.10 {14.4} | 4.10 {14.4} | 3.98 {14.0} | |
| | -20 | 3.44 {12.1} | 3.58 {12.6} | 3.61 {12.7} | 3.58 {12.6} | 3.44 {12.1} | |
| | -30 | 2.87 {10.1} | 2.96 {10.4} | 2.96 {10.4} | 2.93 {10.3} | 2.77 {9.74} | |
| | -40 | 2.23 {7.84} | 2.27 {7.99} | 2.25 {7.91} | 2.24 {7.86} | 2.10 {7.38} | |

| Catalog No. | | evaporating temp. (°C) | Capacity (U.S.R.T.) {kW} | | | | |
|----------------------|----------------------|---------------------------|--------------------------|-------------|-------------|-------------|-------------|
| Type | Model | | Condensing temp. (°C) | | | | |
| | | | 20 | 30 | 38 | 40 | 50 |
| QCX- RCX- | 0334BC1C 0334DC1C | 0 | 0.24 {0.84} | 0.27 {0.96} | 0.29 {1.01} | 0.29 {1.01} | 0.28 {1.00} |
| | | -5 | 0.26 {0.93} | 0.29 {1.01} | 0.29 {1.03} | 0.29 {1.03} | 0.29 {1.01} |
| | | -10 | 0.25 {0.89} | 0.27 {0.96} | 0.28 {0.98} | 0.28 {0.98} | 0.27 {0.95} |
| | | -15 | 0.25 {0.88} | 0.27 {0.94} | 0.27 {0.95} | 0.27 {0.94} | 0.26 {0.91} |
| | | -20 | 0.24 {0.85} | 0.25 {0.89} | 0.25 {0.89} | 0.26 {0.90} | 0.24 {0.85} |
| | | -25 | 0.23 {0.80} | 0.23 {0.82} | 0.24 {0.83} | 0.23 {0.82} | 0.22 {0.78} |
| | | -30 | 0.21 {0.73} | 0.21 {0.75} | 0.21 {0.74} | 0.21 {0.74} | 0.20 {0.70} |
| | | -35 | 0.18 {0.64} | 0.19 {0.66} | 0.19 {0.66} | 0.19 {0.66} | 0.17 {0.61} |
| | -40 | 0.16 {0.57} | 0.16 {0.57} | 0.16 {0.57} | 0.16 {0.57} | 0.15 {0.53} | |
| | 0434BC1C 0434DC1C | 0 | 0.36 {1.26} | 0.41 {1.44} | 0.43 {1.51} | 0.43 {1.52} | 0.43 {1.50} |
| | | -5 | 0.39 {1.38} | 0.43 {1.51} | 0.44 {1.55} | 0.44 {1.55} | 0.43 {1.51} |
| | | -10 | 0.38 {1.34} | 0.41 {1.45} | 0.42 {1.48} | 0.42 {1.48} | 0.41 {1.43} |
| | | -15 | 0.38 {1.32} | 0.40 {1.40} | 0.40 {1.42} | 0.40 {1.42} | 0.39 {1.36} |
| | | -20 | 0.36 {1.27} | 0.38 {1.33} | 0.38 {1.34} | 0.38 {1.33} | 0.36 {1.27} |
| | | -25 | 0.34 {1.18} | 0.35 {1.23} | 0.35 {1.23} | 0.35 {1.22} | 0.33 {1.16} |
| | | -30 | 0.31 {1.08} | 0.32 {1.11} | 0.31 {1.10} | 0.31 {1.10} | 0.30 {1.04} |
| | | -35 | 0.27 {0.96} | 0.28 {0.99} | 0.28 {0.97} | 0.28 {0.97} | 0.26 {0.92} |
| | -40 | 0.24 {0.83} | 0.24 {0.85} | 0.24 {0.84} | 0.24 {0.83} | 0.22 {0.79} | |
| | 0734BC1C 0734DC1C | 0 | 0.60 {2.10} | 0.68 {2.40} | 0.71 {2.51} | 0.72 {2.53} | 0.71 {2.50} |
| | | -5 | 0.66 {2.31} | 0.72 {2.52} | 0.73 {2.58} | 0.74 {2.59} | 0.72 {2.52} |
| | | -10 | 0.63 {2.23} | 0.69 {2.41} | 0.70 {2.46} | 0.70 {2.46} | 0.68 {2.38} |
| | | -15 | 0.63 {2.20} | 0.66 {2.33} | 0.67 {2.35} | 0.67 {2.35} | 0.64 {2.26} |
| | | -20 | 0.60 {2.10} | 0.63 {2.20} | 0.63 {2.21} | 0.63 {2.21} | 0.60 {2.11} |
| | | -25 | 0.56 {1.96} | 0.58 {2.04} | 0.58 {2.03} | 0.58 {2.03} | 0.55 {1.92} |
| | | -30 | 0.51 {1.79} | 0.52 {1.84} | 0.52 {1.83} | 0.52 {1.82} | 0.49 {1.72} |
| | | -35 | 0.45 {1.58} | 0.46 {1.62} | 0.46 {1.61} | 0.46 {1.60} | 0.43 {1.50} |
| | -40 | 0.39 {1.37} | 0.40 {1.40} | 0.39 {1.38} | 0.39 {1.37} | 0.37 {1.29} | |
| | 1234BC1C 1234DC1C | 0 | 0.96 {3.36} | 1.09 {3.84} | 1.14 {4.02} | 1.15 {4.04} | 1.13 {3.99} |
| | | -5 | 1.05 {3.69} | 1.15 {4.03} | 1.18 {4.14} | 1.18 {4.14} | 1.15 {4.03} |
| | | -10 | 1.01 {3.54} | 1.09 {3.82} | 1.11 {3.90} | 1.11 {3.90} | 1.07 {3.78} |
| | | -15 | 0.99 {3.49} | 1.05 {3.69} | 1.07 {3.75} | 1.06 {3.74} | 1.02 {3.59} |
| | | -20 | 0.95 {3.35} | 1.00 {3.50} | 1.00 {3.52} | 1.00 {3.51} | 0.95 {3.35} |
| | | -25 | 0.89 {3.12} | 0.92 {3.24} | 0.92 {3.24} | 0.92 {3.23} | 0.87 {3.07} |
| | | -30 | 0.81 {2.85} | 0.83 {2.93} | 0.83 {2.92} | 0.83 {2.91} | 0.78 {2.75} |
| | | -35 | 0.72 {2.53} | 0.74 {2.60} | 0.73 {2.58} | 0.73 {2.55} | 0.69 {2.41} |
| | -40 | 0.63 {2.20} | 0.63 {2.23} | 0.63 {2.21} | 0.62 {2.19} | 0.59 {2.07} | |
| | 1534BC1C 1534DC1C | 0 | 1.19 {4.20} | 1.37 {4.80} | 1.43 {5.02} | 1.44 {5.05} | 1.42 {4.99} |
| | | -5 | 1.31 {4.61} | 1.43 {5.03} | 1.47 {5.17} | 1.47 {5.18} | 1.44 {5.05} |
| | | -10 | 1.27 {4.47} | 1.37 {4.82} | 1.40 {4.92} | 1.40 {4.92} | 1.36 {4.77} |
| | | -15 | 1.25 {4.41} | 1.33 {4.67} | 1.35 {4.73} | 1.35 {4.73} | 1.29 {4.54} |
| | | -20 | 1.20 {4.23} | 1.26 {4.43} | 1.27 {4.45} | 1.26 {4.44} | 1.21 {4.24} |
| | | -25 | 1.13 {3.96} | 1.17 {4.10} | 1.17 {4.10} | 1.16 {4.09} | 1.10 {3.88} |
| | | -30 | 1.03 {3.61} | 1.06 {3.72} | 1.05 {3.70} | 1.05 {3.68} | 0.99 {3.48} |
| | | -35 | 0.91 {3.21} | 0.94 {3.29} | 0.93 {3.26} | 0.92 {3.25} | 0.87 {3.06} |
| | -40 | 0.79 {2.78} | 0.81 {2.84} | 0.80 {2.81} | 0.79 {2.79} | 0.75 {2.62} | |
| | 2234BC1C 2234DC1C | 0 | 1.79 {6.30} | 2.04 {7.19} | 2.14 {7.54} | 2.16 {7.58} | 2.13 {7.50} |
| | | -5 | 1.97 {6.92} | 2.15 {7.55} | 2.21 {7.76} | 2.21 {7.77} | 2.15 {7.57} |
| | | -10 | 1.91 {6.70} | 2.05 {7.22} | 2.10 {7.38} | 2.10 {7.38} | 2.03 {7.15} |
| -15 | | 1.88 {6.60} | 1.99 {7.00} | 2.01 {7.08} | 2.01 {7.07} | 1.93 {6.80} | |
| -20 | | 1.80 {6.33} | 1.88 {6.62} | 1.89 {6.66} | 1.89 {6.64} | 1.80 {6.34} | |
| -25 | | 1.68 {5.91} | 1.74 {6.12} | 1.74 {6.13} | 1.73 {6.10} | 1.65 {5.79} | |
| -30 | | 1.53 {5.39} | 1.58 {5.54} | 1.57 {5.51} | 1.56 {5.48} | 1.48 {5.19} | |
| -35 | | 1.36 {4.79} | 1.39 {4.90} | 1.38 {4.86} | 1.37 {4.83} | 1.29 {4.55} | |
| -40 | 1.18 {4.15} | 1.20 {4.22} | 1.19 {4.18} | 1.18 {4.15} | 1.11 {3.90} | | |
| 2934BC1C 2934DC1C | 0 | 2.39 {8.40} | 2.73 {9.59} | 2.87 {10.1} | 2.87 {10.1} | 2.84 {9.98} | |
| | -5 | 2.62 {9.23} | 2.87 {10.1} | 2.93 {10.3} | 2.93 {10.3} | 2.87 {10.1} | |
| | -10 | 2.54 {8.94} | 2.73 {9.61} | 2.79 {9.81} | 2.80 {9.83} | 2.71 {9.53} | |
| | -15 | 2.50 {8.80} | 2.64 {9.30} | 2.68 {9.42} | 2.68 {9.43} | 2.58 {9.06} | |
| | -20 | 2.40 {8.44} | 2.51 {8.83} | 2.53 {8.88} | 2.52 {8.85} | 2.40 {8.45} | |
| | -25 | 2.24 {7.88} | 2.32 {8.17} | 2.32 {8.17} | 2.31 {8.14} | 2.20 {7.72} | |
| | -30 | 2.04 {7.18} | 2.10 {7.38} | 2.09 {7.35} | 2.08 {7.32} | 1.97 {6.91} | |
| | -35 | 1.81 {6.37} | 1.85 {6.52} | 1.84 {6.47} | 1.83 {6.44} | 1.72 {6.06} | |
| -40 | 1.57 {5.52} | 1.60 {5.62} | 1.58 {5.57} | 1.57 {5.53} | 1.48 {5.20} | | |
| 4334BC1C 4334DC1C | 0 | 3.58 {12.6} | 4.10 {14.4} | 4.29 {15.1} | 4.32 {15.2} | 4.27 {15.0} | |
| | -5 | 3.92 {13.8} | 4.29 {15.1} | 4.41 {15.5} | 4.41 {15.5} | 4.29 {15.1} | |
| | -10 | 3.81 {13.4} | 4.12 {14.5} | 4.18 {14.7} | 4.21 {14.8} | 4.07 {14.3} | |
| | -15 | 3.75 {13.2} | 3.98 {14.0} | 4.01 {14.1} | 4.01 {14.1} | 3.87 {13.6} | |
| | -20 | 3.58 {12.6} | 3.75 {13.2} | 3.78 {13.3} | 3.78 {13.3} | 3.61 {12.7} | |
| | -25 | 3.36 {11.8} | 3.47 {12.2} | 3.47 {12.2} | 3.44 {12.1} | 3.27 {11.5} | |
| | -30 | 3.04 {10.7} | 3.16 {11.1} | 3.13 {11.0} | 3.10 {10.9} | 2.96 {10.4} | |
| | -35 | 2.70 {9.48} | 2.78 {9.76} | 2.75 {9.66} | 2.72 {9.58} | 2.58 {9.07} | |
| -40 | 2.34 {8.24} | 2.39 {8.39} | 2.36 {8.31} | 2.35 {8.25} | 2.20 {7.75} | | |

R448A

Charge type : SL <-60~-25℃>

| Catalog No. | | evaporating temp. (℃) | Capacity (U.S.R.T.) {kW} | | | | |
|------------------------|------------------------|--------------------------|--------------------------|-------------|-------------|-------------|-------------|
| Type | Model | | Condensing temp. (℃) | | | | |
| | | | 20 | 30 | 38 | 40 | 50 |
| QCX- RCX- | 0334BC1SL 0334DC1SL | -25 | 0.14 {0.48} | 0.14 {0.50} | 0.14 {0.49} | 0.14 {0.49} | 0.13 {0.46} |
| | | -30 | 0.20 {0.69} | 0.20 {0.71} | 0.20 {0.70} | 0.20 {0.69} | 0.18 {0.65} |
| | | -35 | 0.18 {0.62} | 0.18 {0.62} | 0.18 {0.62} | 0.17 {0.61} | 0.16 {0.57} |
| | | -40 | 0.15 {0.54} | 0.16 {0.55} | 0.15 {0.54} | 0.15 {0.53} | 0.14 {0.50} |
| | | -45 | 0.13 {0.47} | 0.13 {0.47} | 0.13 {0.47} | 0.13 {0.47} | 0.12 {0.43} |
| | | -50 | 0.12 {0.42} | 0.12 {0.42} | 0.12 {0.41} | 0.12 {0.41} | 0.11 {0.37} |
| | 0434BC1SL 0434DC1SL | -55 | 0.10 {0.36} | 0.11 {0.37} | 0.10 {0.36} | 0.10 {0.36} | 0.09 {0.33} |
| | | -60 | 0.09 {0.33} | 0.09 {0.33} | 0.09 {0.32} | 0.09 {0.32} | 0.09 {0.30} |
| | | -25 | 0.20 {0.70} | 0.21 {0.73} | 0.20 {0.72} | 0.20 {0.71} | 0.19 {0.67} |
| | | -30 | 0.29 {1.02} | 0.30 {1.04} | 0.29 {1.03} | 0.29 {1.03} | 0.27 {0.96} |
| | | -35 | 0.26 {0.90} | 0.26 {0.91} | 0.26 {0.90} | 0.25 {0.89} | 0.24 {0.84} |
| | | -40 | 0.22 {0.79} | 0.23 {0.80} | 0.22 {0.79} | 0.22 {0.78} | 0.21 {0.73} |
| | 0734BC1SL 0734DC1SL | -45 | 0.20 {0.69} | 0.20 {0.70} | 0.20 {0.69} | 0.19 {0.68} | 0.18 {0.63} |
| | | -50 | 0.17 {0.61} | 0.17 {0.61} | 0.17 {0.60} | 0.17 {0.59} | 0.16 {0.55} |
| | | -55 | 0.15 {0.54} | 0.15 {0.53} | 0.15 {0.52} | 0.15 {0.53} | 0.14 {0.48} |
| | | -60 | 0.13 {0.47} | 0.13 {0.47} | 0.13 {0.47} | 0.13 {0.46} | 0.12 {0.43} |
| | | -25 | 0.32 {1.14} | 0.34 {1.18} | 0.34 {1.18} | 0.33 {1.17} | 0.31 {1.10} |
| | | -30 | 0.47 {1.67} | 0.49 {1.71} | 0.48 {1.70} | 0.47 {1.67} | 0.45 {1.57} |
| | 1234BC1SL 1234DC1SL | -35 | 0.42 {1.47} | 0.43 {1.50} | 0.42 {1.48} | 0.42 {1.47} | 0.39 {1.37} |
| | | -40 | 0.37 {1.30} | 0.37 {1.30} | 0.37 {1.29} | 0.36 {1.27} | 0.34 {1.18} |
| | | -45 | 0.32 {1.13} | 0.32 {1.14} | 0.32 {1.12} | 0.32 {1.11} | 0.29 {1.03} |
| | | -50 | 0.28 {0.99} | 0.28 {1.00} | 0.28 {0.98} | 0.28 {0.97} | 0.25 {0.89} |
| | | -55 | 0.25 {0.87} | 0.25 {0.88} | 0.24 {0.86} | 0.24 {0.85} | 0.22 {0.78} |
| | | -60 | 0.22 {0.76} | 0.22 {0.77} | 0.22 {0.76} | 0.21 {0.75} | 0.20 {0.69} |
| | 1534BC1SL 1534DC1SL | -25 | 0.53 {1.86} | 0.54 {1.91} | 0.54 {1.91} | 0.54 {1.89} | 0.51 {1.78} |
| | | -30 | 0.77 {2.69} | 0.78 {2.75} | 0.78 {2.73} | 0.77 {2.70} | 0.72 {2.53} |
| | | -35 | 0.68 {2.38} | 0.69 {2.42} | 0.68 {2.39} | 0.67 {2.37} | 0.63 {2.20} |
| | | -40 | 0.59 {2.09} | 0.60 {2.12} | 0.59 {2.08} | 0.59 {2.06} | 0.55 {1.92} |
| | | -45 | 0.52 {1.83} | 0.52 {1.84} | 0.52 {1.82} | 0.51 {1.80} | 0.47 {1.67} |
| | | -50 | 0.46 {1.60} | 0.46 {1.61} | 0.45 {1.59} | 0.45 {1.57} | 0.41 {1.45} |
| | 2234BC1SL 2234DC1SL | -55 | 0.40 {1.41} | 0.40 {1.42} | 0.40 {1.40} | 0.39 {1.38} | 0.36 {1.27} |
| | | -60 | 0.35 {1.24} | 0.36 {1.25} | 0.35 {1.24} | 0.35 {1.22} | 0.32 {1.13} |
| | | -25 | 0.67 {2.35} | 0.69 {2.42} | 0.69 {2.41} | 0.68 {2.40} | 0.64 {2.25} |
| | | -30 | 0.96 {3.39} | 0.99 {3.47} | 0.98 {3.44} | 0.97 {3.41} | 0.91 {3.19} |
| | | -35 | 0.85 {3.00} | 0.87 {3.06} | 0.86 {3.02} | 0.85 {2.99} | 0.79 {2.79} |
| | | -40 | 0.75 {2.64} | 0.76 {2.67} | 0.75 {2.64} | 0.74 {2.60} | 0.69 {2.42} |
| | 2934BC1SL 2934DC1SL | -45 | 0.66 {2.32} | 0.67 {2.34} | 0.65 {2.30} | 0.65 {2.27} | 0.60 {2.11} |
| | | -50 | 0.58 {2.03} | 0.58 {2.05} | 0.57 {2.01} | 0.56 {1.98} | 0.52 {1.83} |
| | | -55 | 0.51 {1.79} | 0.51 {1.80} | 0.50 {1.77} | 0.50 {1.75} | 0.46 {1.62} |
| | | -60 | 0.45 {1.57} | 0.45 {1.59} | 0.44 {1.56} | 0.44 {1.55} | 0.41 {1.43} |
| | | -25 | 1.02 {3.57} | 1.05 {3.68} | 1.04 {3.66} | 1.04 {3.64} | 0.97 {3.42} |
| | | -30 | 1.47 {5.18} | 1.50 {5.29} | 1.49 {5.25} | 1.48 {5.20} | 1.38 {4.87} |
| | 4334BC1SL 4334DC1SL | -35 | 1.30 {4.58} | 1.32 {4.65} | 1.31 {4.59} | 1.29 {4.55} | 1.21 {4.25} |
| | | -40 | 1.14 {4.02} | 1.16 {4.07} | 1.14 {4.01} | 1.13 {3.96} | 1.05 {3.69} |
| | | -45 | 1.00 {3.52} | 1.01 {3.55} | 0.99 {3.49} | 0.98 {3.45} | 0.91 {3.20} |
| | | -50 | 0.87 {3.07} | 0.88 {3.10} | 0.86 {3.04} | 0.86 {3.01} | 0.79 {2.78} |
| | | -55 | 0.77 {2.71} | 0.78 {2.73} | 0.76 {2.68} | 0.75 {2.65} | 0.70 {2.45} |
| | | -60 | 0.68 {2.38} | 0.69 {2.41} | 0.67 {2.37} | 0.67 {2.34} | 0.62 {2.17} |
| 4334BC1SL 4334DC1SL | -25 | 1.37 {4.80} | 1.41 {4.95} | 1.40 {4.94} | 1.39 {4.90} | 1.31 {4.61} | |
| | -30 | 1.98 {6.97} | 2.03 {7.13} | 2.01 {7.08} | 1.99 {7.01} | 1.86 {6.55} | |
| | -35 | 1.75 {6.16} | 1.78 {6.27} | 1.76 {6.19} | 1.74 {6.13} | 1.62 {5.71} | |
| | -40 | 1.54 {5.41} | 1.56 {5.47} | 1.54 {5.40} | 1.52 {5.34} | 1.41 {4.97} | |
| | -45 | 1.35 {4.73} | 1.36 {4.78} | 1.34 {4.71} | 1.33 {4.66} | 1.23 {4.31} | |
| | -50 | 1.18 {4.14} | 1.19 {4.17} | 1.17 {4.10} | 1.15 {4.05} | 1.06 {3.74} | |
| 4334BC1SL 4334DC1SL | -55 | 1.04 {3.64} | 1.05 {3.68} | 1.03 {3.61} | 1.02 {3.57} | 0.94 {3.30} | |
| | -60 | 0.91 {3.21} | 0.92 {3.24} | 0.91 {3.19} | 0.90 {3.16} | 0.83 {2.92} | |
| | -25 | 1.86 {6.55} | 1.92 {6.76} | 1.92 {6.74} | 1.90 {6.68} | 1.79 {6.30} | |
| | -30 | 2.70 {9.50} | 2.76 {9.72} | 2.75 {9.68} | 2.72 {9.56} | 2.55 {8.98} | |
| | -35 | 2.40 {8.43} | 2.44 {8.57} | 2.41 {8.47} | 2.38 {8.38} | 2.22 {7.82} | |
| | -40 | 2.10 {7.39} | 2.13 {7.48} | 2.10 {7.38} | 2.08 {7.30} | 1.93 {6.79} | |
| 4334BC1SL 4334DC1SL | -45 | 1.84 {6.47} | 1.86 {6.54} | 1.83 {6.43} | 1.81 {6.35} | 1.68 {5.89} | |
| | -50 | 1.61 {5.65} | 1.62 {5.69} | 1.59 {5.59} | 1.57 {5.53} | 1.45 {5.11} | |
| | -55 | 1.41 {4.96} | 1.42 {5.00} | 1.40 {4.92} | 1.38 {4.86} | 1.28 {4.49} | |
| | -60 | 1.25 {4.38} | 1.25 {4.41} | 1.24 {4.35} | 1.22 {4.30} | 1.13 {3.97} | |

R449A

Charge type : SA <-40~10℃>

| Catalog No. | | evaporating temp. (℃) | Capacity (U.S.R.T.) {kW} | | | | |
|------------------------|------------------------|--------------------------|--------------------------|-------------|-------------|-------------|-------------|
| Type | Model | | Condensing temp. (℃) | | | | |
| | | | 20 | 30 | 38 | 40 | 50 |
| QCX- RCX- | 0334BC1SA 0334DC1SA | 10 | 0.19 {0.66} | 0.25 {0.87} | 0.27 {0.95} | 0.27 {0.96} | 0.28 {0.98} |
| | | 5 | 0.24 {0.84} | 0.29 {1.01} | 0.30 {1.07} | 0.31 {1.08} | 0.31 {1.08} |
| | | 0 | 0.24 {0.86} | 0.28 {0.98} | 0.29 {1.03} | 0.29 {1.03} | 0.29 {1.02} |
| | | -5 | 0.25 {0.87} | 0.27 {0.96} | 0.28 {0.99} | 0.28 {0.99} | 0.28 {0.97} |
| | | -10 | 0.24 {0.86} | 0.26 {0.93} | 0.27 {0.95} | 0.27 {0.95} | 0.26 {0.92} |
| | | -20 | 0.23 {0.80} | 0.24 {0.84} | 0.24 {0.84} | 0.24 {0.84} | 0.23 {0.80} |
| | | -30 | 0.19 {0.68} | 0.20 {0.70} | 0.20 {0.69} | 0.20 {0.69} | 0.18 {0.65} |
| | | -40 | 0.15 {0.53} | 0.15 {0.54} | 0.15 {0.53} | 0.15 {0.53} | 0.14 {0.49} |
| | 0434BC1SA 0434DC1SA | 10 | 0.28 {0.99} | 0.37 {1.30} | 0.40 {1.42} | 0.41 {1.45} | 0.42 {1.47} |
| | | 5 | 0.36 {1.25} | 0.43 {1.51} | 0.46 {1.61} | 0.46 {1.62} | 0.46 {1.62} |
| | | 0 | 0.37 {1.30} | 0.42 {1.48} | 0.44 {1.55} | 0.44 {1.55} | 0.44 {1.53} |
| | | -5 | 0.37 {1.31} | 0.41 {1.44} | 0.42 {1.49} | 0.42 {1.49} | 0.42 {1.46} |
| | | -10 | 0.37 {1.29} | 0.40 {1.39} | 0.40 {1.42} | 0.40 {1.42} | 0.39 {1.37} |
| | | -20 | 0.34 {1.20} | 0.36 {1.25} | 0.36 {1.26} | 0.36 {1.25} | 0.34 {1.19} |
| | | -30 | 0.29 {1.01} | 0.29 {1.03} | 0.29 {1.03} | 0.29 {1.02} | 0.27 {0.96} |
| | | -40 | 0.22 {0.78} | 0.23 {0.80} | 0.22 {0.79} | 0.22 {0.78} | 0.21 {0.73} |
| | 0734BC1SA 0734DC1SA | 10 | 0.47 {1.65} | 0.61 {2.16} | 0.67 {2.37} | 0.69 {2.41} | 0.70 {2.46} |
| | | 5 | 0.60 {2.10} | 0.72 {2.52} | 0.76 {2.68} | 0.77 {2.70} | 0.77 {2.71} |
| | | 0 | 0.61 {2.16} | 0.70 {2.46} | 0.73 {2.58} | 0.74 {2.59} | 0.73 {2.56} |
| | | -5 | 0.62 {2.18} | 0.68 {2.40} | 0.71 {2.48} | 0.71 {2.48} | 0.69 {2.43} |
| | | -10 | 0.61 {2.15} | 0.66 {2.32} | 0.67 {2.37} | 0.67 {2.36} | 0.65 {2.29} |
| | | -20 | 0.56 {1.98} | 0.59 {2.07} | 0.59 {2.08} | 0.59 {2.07} | 0.56 {1.98} |
| | | -30 | 0.47 {1.66} | 0.49 {1.71} | 0.48 {1.70} | 0.48 {1.69} | 0.45 {1.59} |
| | | -40 | 0.37 {1.29} | 0.37 {1.31} | 0.37 {1.29} | 0.36 {1.28} | 0.34 {1.20} |
| | 1234BC1SA 1234DC1SA | 10 | 0.74 {2.61} | 0.98 {3.43} | 1.08 {3.81} | 1.09 {3.85} | 1.11 {3.89} |
| | | 5 | 0.94 {3.32} | 1.13 {3.99} | 1.22 {4.30} | 1.23 {4.33} | 1.22 {4.29} |
| | | 0 | 0.97 {3.42} | 1.11 {3.90} | 1.16 {4.09} | 1.17 {4.10} | 1.15 {4.05} |
| | | -5 | 0.98 {3.46} | 1.08 {3.81} | 1.13 {3.97} | 1.13 {3.98} | 1.09 {3.85} |
| | | -10 | 0.97 {3.42} | 1.05 {3.68} | 1.07 {3.75} | 1.07 {3.75} | 1.03 {3.63} |
| | | -20 | 0.90 {3.16} | 0.94 {3.30} | 0.94 {3.31} | 0.94 {3.30} | 0.90 {3.15} |
| | | -30 | 0.76 {2.66} | 0.78 {2.73} | 0.77 {2.71} | 0.77 {2.69} | 0.72 {2.54} |
| | | -40 | 0.59 {2.06} | 0.60 {2.10} | 0.59 {2.07} | 0.59 {2.06} | 0.55 {1.93} |
| | 1534BC1SA 1534DC1SA | 10 | 0.94 {3.29} | 1.23 {4.32} | 1.35 {4.76} | 1.37 {4.82} | 1.40 {4.92} |
| | | 5 | 1.19 {4.19} | 1.43 {5.02} | 1.53 {5.37} | 1.54 {5.41} | 1.54 {5.43} |
| | | 0 | 1.23 {4.31} | 1.40 {4.92} | 1.46 {5.15} | 1.47 {5.17} | 1.45 {5.11} |
| | | -5 | 1.24 {4.36} | 1.37 {4.81} | 1.41 {4.96} | 1.41 {4.97} | 1.38 {4.85} |
| | | -10 | 1.23 {4.32} | 1.32 {4.65} | 1.35 {4.74} | 1.35 {4.74} | 1.30 {4.58} |
| | | -20 | 1.13 {3.99} | 1.19 {4.17} | 1.19 {4.19} | 1.19 {4.17} | 1.13 {3.98} |
| | | -30 | 0.96 {3.37} | 0.98 {3.46} | 0.98 {3.44} | 0.97 {3.42} | 0.92 {3.22} |
| | | -40 | 0.75 {2.62} | 0.76 {2.66} | 0.75 {2.63} | 0.74 {2.61} | 0.70 {2.45} |
| | 2234BC1SA 2234DC1SA | 10 | 1.40 {4.94} | 1.84 {6.48} | 2.03 {7.13} | 2.05 {7.22} | 2.10 {7.37} |
| | | 5 | 1.79 {6.29} | 2.14 {7.54} | 2.29 {8.05} | 2.31 {8.11} | 2.31 {8.13} |
| | | 0 | 1.84 {6.48} | 2.10 {7.38} | 2.20 {7.73} | 2.21 {7.77} | 2.18 {7.67} |
| | | -5 | 1.86 {6.55} | 2.05 {7.21} | 2.12 {7.44} | 2.12 {7.45} | 2.07 {7.28} |
| | | -10 | 1.84 {6.47} | 1.98 {6.96} | 2.02 {7.10} | 2.02 {7.10} | 1.95 {6.87} |
| | | -20 | 1.70 {5.97} | 1.77 {6.24} | 1.78 {6.26} | 1.77 {6.24} | 1.69 {5.95} |
| | | -30 | 1.43 {5.02} | 1.46 {5.15} | 1.46 {5.12} | 1.45 {5.09} | 1.37 {4.80} |
| | | -40 | 1.11 {3.89} | 1.13 {3.96} | 1.11 {3.91} | 1.10 {3.88} | 1.04 {3.64} |
| 2934BC1SA 2934DC1SA | 10 | 1.87 {6.59} | 2.46 {8.65} | 2.70 {9.50} | 2.73 {9.61} | 2.79 {9.82} | |
| | 5 | 2.38 {8.38} | 2.87 {10.1} | 3.04 {10.7} | 3.07 {10.8} | 3.07 {10.8} | |
| | 0 | 2.46 {8.64} | 2.80 {9.84} | 2.93 {10.3} | 2.96 {10.4} | 2.90 {10.2} | |
| | -5 | 2.48 {8.73} | 2.74 {9.62} | 2.82 {9.93} | 2.83 {9.94} | 2.76 {9.71} | |
| | -10 | 2.45 {8.62} | 2.64 {9.28} | 2.69 {9.47} | 2.69 {9.46} | 2.60 {9.15} | |
| | -20 | 2.26 {7.96} | 2.36 {8.31} | 2.37 {8.35} | 2.36 {8.31} | 2.26 {7.93} | |
| | -30 | 1.90 {6.69} | 1.95 {6.86} | 1.94 {6.83} | 1.93 {6.78} | 1.82 {6.40} | |
| | -40 | 1.48 {5.19} | 1.50 {5.27} | 1.48 {5.21} | 1.47 {5.17} | 1.38 {4.85} | |
| 4334BC1SA 4334DC1SA | 10 | 2.80 {9.85} | 3.70 {13.0} | 4.04 {14.2} | 4.12 {14.5} | 4.18 {14.7} | |
| | 5 | 3.55 {12.5} | 4.29 {15.1} | 4.58 {16.1} | 4.61 {16.2} | 4.61 {16.2} | |
| | 0 | 3.70 {13.0} | 4.21 {14.8} | 4.41 {15.5} | 4.44 {15.6} | 4.38 {15.4} | |
| | -5 | 3.73 {13.1} | 4.10 {14.4} | 4.24 {14.9} | 4.24 {14.9} | 4.15 {14.6} | |
| | -10 | 3.67 {12.9} | 3.95 {13.9} | 4.04 {14.2} | 4.04 {14.2} | 3.90 {13.7} | |
| | -20 | 3.38 {11.9} | 3.53 {12.4} | 3.55 {12.5} | 3.53 {12.4} | 3.38 {11.9} | |
| | -30 | 2.84 {10.0} | 2.93 {10.3} | 2.90 {10.2} | 2.87 {10.1} | 2.72 {9.56} | |
| | -40 | 2.20 {7.74} | 2.24 {7.86} | 2.21 {7.77} | 2.19 {7.71} | 2.06 {7.23} | |

| Catalog No. | | evaporating temp. (°C) | Capacity (U.S.R.T.) {kW} | | | | |
|----------------------|----------------------|---------------------------|--------------------------|-------------|-------------|-------------|-------------|
| Type | Model | | Condensing temp. (°C) | | | | |
| | | | 20 | 30 | 38 | 40 | 50 |
| QCX- RCX- | 0334BC1C 0334DC1C | 0 | 0.24 {0.83} | 0.27 {0.95} | 0.28 {0.99} | 0.28 {1.00} | 0.28 {0.98} |
| | | -5 | 0.25 {0.88} | 0.27 {0.96} | 0.28 {0.99} | 0.28 {0.99} | 0.28 {0.97} |
| | | -10 | 0.25 {0.88} | 0.27 {0.95} | 0.28 {0.97} | 0.28 {0.97} | 0.27 {0.94} |
| | | -15 | 0.25 {0.87} | 0.26 {0.93} | 0.27 {0.94} | 0.26 {0.93} | 0.26 {0.90} |
| | | -20 | 0.24 {0.84} | 0.25 {0.88} | 0.25 {0.88} | 0.25 {0.88} | 0.24 {0.84} |
| | | -25 | 0.22 {0.79} | 0.23 {0.81} | 0.23 {0.81} | 0.23 {0.81} | 0.22 {0.77} |
| | | -30 | 0.20 {0.72} | 0.21 {0.74} | 0.21 {0.73} | 0.21 {0.73} | 0.20 {0.69} |
| | | -35 | 0.18 {0.64} | 0.18 {0.65} | 0.18 {0.65} | 0.18 {0.64} | 0.17 {0.60} |
| | -40 | 0.16 {0.56} | 0.16 {0.56} | 0.16 {0.56} | 0.16 {0.56} | 0.15 {0.52} | |
| | 0434BC1C 0434DC1C | 0 | 0.35 {1.24} | 0.40 {1.42} | 0.42 {1.49} | 0.43 {1.50} | 0.42 {1.48} |
| | | -5 | 0.37 {1.31} | 0.41 {1.44} | 0.42 {1.49} | 0.42 {1.49} | 0.41 {1.45} |
| | | -10 | 0.38 {1.33} | 0.41 {1.43} | 0.42 {1.46} | 0.42 {1.46} | 0.40 {1.41} |
| | | -15 | 0.37 {1.31} | 0.39 {1.38} | 0.40 {1.40} | 0.40 {1.40} | 0.38 {1.34} |
| | | -20 | 0.36 {1.25} | 0.37 {1.31} | 0.38 {1.32} | 0.37 {1.30} | 0.36 {1.25} |
| | | -25 | 0.33 {1.17} | 0.34 {1.21} | 0.34 {1.21} | 0.34 {1.20} | 0.32 {1.14} |
| | | -30 | 0.30 {1.07} | 0.31 {1.09} | 0.31 {1.09} | 0.31 {1.08} | 0.29 {1.02} |
| | | -35 | 0.27 {0.95} | 0.28 {0.97} | 0.27 {0.96} | 0.27 {0.95} | 0.26 {0.90} |
| | -40 | 0.23 {0.82} | 0.24 {0.83} | 0.23 {0.82} | 0.23 {0.82} | 0.22 {0.77} | |
| | 0734BC1C 0734DC1C | 0 | 0.59 {2.08} | 0.67 {2.37} | 0.71 {2.48} | 0.71 {2.49} | 0.70 {2.46} |
| | | -5 | 0.62 {2.18} | 0.69 {2.41} | 0.71 {2.48} | 0.71 {2.48} | 0.69 {2.42} |
| | | -10 | 0.63 {2.21} | 0.68 {2.38} | 0.69 {2.43} | 0.69 {2.42} | 0.67 {2.34} |
| | | -15 | 0.62 {2.18} | 0.65 {2.30} | 0.66 {2.32} | 0.66 {2.32} | 0.63 {2.23} |
| | | -20 | 0.59 {2.08} | 0.62 {2.17} | 0.62 {2.18} | 0.62 {2.18} | 0.59 {2.07} |
| | | -25 | 0.55 {1.94} | 0.57 {2.01} | 0.57 {2.00} | 0.57 {1.99} | 0.54 {1.89} |
| | | -30 | 0.50 {1.76} | 0.51 {1.81} | 0.51 {1.80} | 0.51 {1.79} | 0.48 {1.69} |
| | | -35 | 0.44 {1.56} | 0.46 {1.60} | 0.45 {1.58} | 0.45 {1.57} | 0.42 {1.47} |
| | -40 | 0.38 {1.35} | 0.39 {1.37} | 0.39 {1.36} | 0.38 {1.35} | 0.36 {1.26} | |
| | 1234BC1C 1234DC1C | 0 | 0.94 {3.32} | 1.08 {3.79} | 1.13 {3.97} | 1.13 {3.98} | 1.12 {3.93} |
| | | -5 | 0.99 {3.49} | 1.09 {3.85} | 1.13 {3.97} | 1.13 {3.98} | 1.10 {3.88} |
| | | -10 | 1.00 {3.50} | 1.07 {3.77} | 1.09 {3.84} | 1.09 {3.84} | 1.06 {3.71} |
| | | -15 | 0.98 {3.45} | 1.04 {3.64} | 1.05 {3.70} | 1.05 {3.68} | 1.00 {3.53} |
| | | -20 | 0.94 {3.31} | 0.98 {3.45} | 0.99 {3.47} | 0.98 {3.45} | 0.94 {3.29} |
| | | -25 | 0.88 {3.09} | 0.91 {3.19} | 0.91 {3.19} | 0.90 {3.18} | 0.86 {3.01} |
| | | -30 | 0.80 {2.81} | 0.82 {2.89} | 0.82 {2.88} | 0.81 {2.86} | 0.77 {2.70} |
| | | -35 | 0.71 {2.50} | 0.73 {2.56} | 0.72 {2.53} | 0.71 {2.51} | 0.67 {2.36} |
| | -40 | 0.62 {2.17} | 0.63 {2.20} | 0.62 {2.17} | 0.61 {2.15} | 0.57 {2.02} | |
| | 1534BC1C 1534DC1C | 0 | 1.18 {4.16} | 1.35 {4.74} | 1.41 {4.96} | 1.42 {4.98} | 1.40 {4.91} |
| | | -5 | 1.24 {4.36} | 1.37 {4.80} | 1.41 {4.96} | 1.41 {4.97} | 1.38 {4.86} |
| | | -10 | 1.26 {4.42} | 1.35 {4.76} | 1.38 {4.85} | 1.38 {4.85} | 1.33 {4.69} |
| | | -15 | 1.24 {4.36} | 1.31 {4.61} | 1.33 {4.66} | 1.32 {4.65} | 1.27 {4.46} |
| | | -20 | 1.19 {4.18} | 1.24 {4.37} | 1.25 {4.38} | 1.24 {4.37} | 1.18 {4.16} |
| | | -25 | 1.11 {3.91} | 1.15 {4.04} | 1.15 {4.04} | 1.14 {4.02} | 1.08 {3.81} |
| | | -30 | 1.01 {3.56} | 1.04 {3.66} | 1.04 {3.64} | 1.03 {3.62} | 0.97 {3.42} |
| | | -35 | 0.90 {3.17} | 0.92 {3.24} | 0.91 {3.21} | 0.91 {3.19} | 0.85 {3.00} |
| | -40 | 0.78 {2.75} | 0.79 {2.79} | 0.78 {2.76} | 0.78 {2.73} | 0.73 {2.56} | |
| | 2234BC1C 2234DC1C | 0 | 1.77 {6.23} | 2.02 {7.10} | 2.12 {7.44} | 2.12 {7.47} | 2.10 {7.38} |
| | | -5 | 1.86 {6.54} | 2.05 {7.21} | 2.12 {7.44} | 2.12 {7.46} | 2.07 {7.28} |
| | | -10 | 1.89 {6.63} | 2.03 {7.13} | 2.07 {7.27} | 2.07 {7.27} | 2.00 {7.03} |
| -15 | | 1.86 {6.53} | 1.96 {6.90} | 1.99 {6.98} | 1.98 {6.96} | 1.90 {6.69} | |
| -20 | | 1.78 {6.25} | 1.86 {6.53} | 1.87 {6.56} | 1.86 {6.54} | 1.77 {6.23} | |
| -25 | | 1.66 {5.84} | 1.72 {6.04} | 1.71 {6.03} | 1.71 {6.00} | 1.62 {5.69} | |
| -30 | | 1.51 {5.32} | 1.55 {5.46} | 1.54 {5.43} | 1.53 {5.39} | 1.45 {5.10} | |
| -35 | | 1.35 {4.73} | 1.37 {4.82} | 1.36 {4.78} | 1.35 {4.75} | 1.27 {4.46} | |
| -40 | 1.16 {4.09} | 1.18 {4.15} | 1.17 {4.10} | 1.16 {4.07} | 1.09 {3.82} | | |
| 2934BC1C 2934DC1C | 0 | 2.36 {8.31} | 2.69 {9.47} | 2.83 {9.95} | 2.84 {10.0} | 2.80 {9.83} | |
| | -5 | 2.48 {8.73} | 2.74 {9.63} | 2.82 {9.91} | 2.82 {9.92} | 2.76 {9.69} | |
| | -10 | 2.51 {8.84} | 2.70 {9.48} | 2.75 {9.67} | 2.75 {9.68} | 2.66 {9.37} | |
| | -15 | 2.47 {8.70} | 2.61 {9.18} | 2.64 {9.28} | 2.64 {9.29} | 2.53 {8.91} | |
| | -20 | 2.37 {8.34} | 2.48 {8.71} | 2.49 {8.75} | 2.48 {8.71} | 2.36 {8.30} | |
| | -25 | 2.22 {7.79} | 2.29 {8.05} | 2.29 {8.04} | 2.28 {8.00} | 2.16 {7.58} | |
| | -30 | 2.02 {7.09} | 2.07 {7.27} | 2.06 {7.23} | 2.04 {7.19} | 1.93 {6.78} | |
| | -35 | 1.79 {6.29} | 1.83 {6.42} | 1.81 {6.37} | 1.80 {6.32} | 1.69 {5.94} | |
| -40 | 1.55 {5.44} | 1.57 {5.53} | 1.56 {5.47} | 1.54 {5.43} | 1.45 {5.09} | | |
| 4334BC1C 4334DC1C | 0 | 3.55 {12.5} | 4.04 {14.2} | 4.24 {14.9} | 4.27 {15.0} | 4.21 {14.8} | |
| | -5 | 3.73 {13.1} | 4.10 {14.4} | 4.24 {14.9} | 4.24 {14.9} | 4.12 {14.5} | |
| | -10 | 3.78 {13.3} | 4.07 {14.3} | 4.12 {14.5} | 4.15 {14.6} | 4.01 {14.1} | |
| | -15 | 3.73 {13.1} | 3.92 {13.8} | 3.95 {13.9} | 3.95 {13.9} | 3.81 {13.4} | |
| | -20 | 3.55 {12.5} | 3.70 {13.0} | 3.73 {13.1} | 3.70 {13.0} | 3.55 {12.5} | |
| | -25 | 3.33 {11.7} | 3.41 {12.0} | 3.41 {12.0} | 3.38 {11.9} | 3.21 {11.3} | |
| | -30 | 3.01 {10.6} | 3.10 {10.9} | 3.10 {10.9} | 3.07 {10.8} | 2.90 {10.2} | |
| | -35 | 2.66 {9.36} | 2.73 {9.61} | 2.70 {9.50} | 2.68 {9.41} | 2.53 {8.89} | |
| -40 | 2.31 {8.12} | 2.35 {8.26} | 2.32 {8.16} | 2.30 {8.10} | 2.16 {7.59} | | |

R449A

Charge type : SL <-60~-25℃>

| Catalog No. | | evaporating temp. (℃) | Capacity (U.S.R.T.) {kW} | | | | |
|------------------------|------------------------|--------------------------|--------------------------|-------------|-------------|-------------|-------------|
| Type | Model | | Condensing temp. (℃) | | | | |
| | | | 20 | 30 | 38 | 40 | 50 |
| QCX- RCX- | 0334BC1SL 0334DC1SL | -25 | 0.13 {0.47} | 0.14 {0.49} | 0.14 {0.48} | 0.14 {0.49} | 0.13 {0.46} |
| | | -30 | 0.19 {0.68} | 0.20 {0.70} | 0.20 {0.69} | 0.19 {0.68} | 0.18 {0.64} |
| | | -35 | 0.17 {0.61} | 0.17 {0.61} | 0.17 {0.61} | 0.17 {0.60} | 0.16 {0.55} |
| | | -40 | 0.15 {0.53} | 0.15 {0.54} | 0.15 {0.53} | 0.15 {0.52} | 0.14 {0.49} |
| | | -45 | 0.13 {0.47} | 0.13 {0.47} | 0.13 {0.46} | 0.13 {0.46} | 0.12 {0.42} |
| | | -50 | 0.12 {0.41} | 0.12 {0.41} | 0.12 {0.41} | 0.11 {0.40} | 0.11 {0.37} |
| | -55 | 0.10 {0.36} | 0.10 {0.36} | 0.10 {0.36} | 0.10 {0.35} | 0.09 {0.33} | |
| | -60 | 0.09 {0.32} | 0.09 {0.32} | 0.09 {0.31} | 0.09 {0.31} | 0.08 {0.29} | |
| | 0434BC1SL 0434DC1SL | -25 | 0.20 {0.70} | 0.20 {0.72} | 0.20 {0.71} | 0.20 {0.70} | 0.19 {0.66} |
| | | -30 | 0.28 {1.00} | 0.29 {1.02} | 0.29 {1.01} | 0.29 {1.01} | 0.27 {0.94} |
| | | -35 | 0.25 {0.89} | 0.26 {0.90} | 0.25 {0.89} | 0.25 {0.88} | 0.23 {0.82} |
| | | -40 | 0.22 {0.78} | 0.22 {0.79} | 0.22 {0.77} | 0.22 {0.77} | 0.20 {0.71} |
| | | -45 | 0.19 {0.68} | 0.20 {0.69} | 0.19 {0.68} | 0.19 {0.67} | 0.18 {0.62} |
| | | -50 | 0.17 {0.60} | 0.17 {0.60} | 0.17 {0.59} | 0.16 {0.58} | 0.15 {0.54} |
| | -55 | 0.15 {0.53} | 0.15 {0.52} | 0.15 {0.51} | 0.15 {0.51} | 0.13 {0.47} | |
| | -60 | 0.13 {0.46} | 0.13 {0.46} | 0.13 {0.45} | 0.13 {0.45} | 0.12 {0.42} | |
| | 0734BC1SL 0734DC1SL | -25 | 0.32 {1.13} | 0.33 {1.16} | 0.33 {1.16} | 0.33 {1.15} | 0.31 {1.08} |
| | | -30 | 0.47 {1.65} | 0.48 {1.68} | 0.47 {1.67} | 0.47 {1.65} | 0.44 {1.54} |
| | | -35 | 0.41 {1.45} | 0.42 {1.48} | 0.41 {1.45} | 0.41 {1.44} | 0.38 {1.34} |
| | | -40 | 0.36 {1.28} | 0.36 {1.28} | 0.36 {1.27} | 0.36 {1.25} | 0.33 {1.16} |
| | | -45 | 0.32 {1.11} | 0.32 {1.12} | 0.31 {1.10} | 0.31 {1.09} | 0.29 {1.01} |
| | | -50 | 0.28 {0.97} | 0.28 {0.98} | 0.27 {0.96} | 0.27 {0.95} | 0.25 {0.87} |
| | -55 | 0.24 {0.85} | 0.24 {0.86} | 0.24 {0.84} | 0.24 {0.83} | 0.22 {0.77} | |
| | -60 | 0.21 {0.75} | 0.21 {0.75} | 0.21 {0.74} | 0.21 {0.73} | 0.19 {0.67} | |
| | 1234BC1SL 1234DC1SL | -25 | 0.52 {1.83} | 0.54 {1.89} | 0.53 {1.88} | 0.53 {1.86} | 0.50 {1.75} |
| | | -30 | 0.76 {2.66} | 0.77 {2.71} | 0.76 {2.68} | 0.76 {2.66} | 0.71 {2.48} |
| | | -35 | 0.67 {2.35} | 0.68 {2.38} | 0.67 {2.35} | 0.66 {2.33} | 0.61 {2.16} |
| | | -40 | 0.59 {2.06} | 0.59 {2.08} | 0.58 {2.05} | 0.58 {2.03} | 0.53 {1.88} |
| | | -45 | 0.51 {1.80} | 0.51 {1.81} | 0.51 {1.79} | 0.50 {1.77} | 0.46 {1.63} |
| | | -50 | 0.45 {1.58} | 0.45 {1.58} | 0.44 {1.56} | 0.44 {1.54} | 0.40 {1.42} |
| | -55 | 0.39 {1.38} | 0.40 {1.39} | 0.39 {1.37} | 0.38 {1.35} | 0.36 {1.25} | |
| | -60 | 0.35 {1.22} | 0.35 {1.23} | 0.34 {1.21} | 0.34 {1.19} | 0.31 {1.10} | |
| | 1534BC1SL 1534DC1SL | -25 | 0.66 {2.32} | 0.68 {2.39} | 0.67 {2.37} | 0.67 {2.36} | 0.63 {2.21} |
| | | -30 | 0.95 {3.35} | 0.97 {3.42} | 0.96 {3.38} | 0.95 {3.35} | 0.89 {3.14} |
| | | -35 | 0.84 {2.97} | 0.86 {3.01} | 0.84 {2.97} | 0.84 {2.94} | 0.78 {2.73} |
| | | -40 | 0.74 {2.60} | 0.75 {2.63} | 0.74 {2.59} | 0.73 {2.56} | 0.67 {2.37} |
| | | -45 | 0.65 {2.29} | 0.65 {2.30} | 0.64 {2.26} | 0.63 {2.23} | 0.59 {2.06} |
| | | -50 | 0.57 {2.00} | 0.57 {2.01} | 0.56 {1.97} | 0.55 {1.95} | 0.51 {1.80} |
| | -55 | 0.50 {1.75} | 0.50 {1.76} | 0.49 {1.73} | 0.49 {1.71} | 0.45 {1.58} | |
| | -60 | 0.44 {1.54} | 0.44 {1.55} | 0.43 {1.52} | 0.43 {1.51} | 0.40 {1.39} | |
| | 2234BC1SL 2234DC1SL | -25 | 1.00 {3.52} | 1.03 {3.63} | 1.03 {3.61} | 1.02 {3.58} | 0.96 {3.36} |
| | | -30 | 1.45 {5.11} | 1.48 {5.22} | 1.47 {5.17} | 1.45 {5.11} | 1.36 {4.78} |
| | | -35 | 1.29 {4.52} | 1.30 {4.58} | 1.29 {4.52} | 1.27 {4.47} | 1.18 {4.16} |
| | | -40 | 1.13 {3.96} | 1.14 {4.00} | 1.12 {3.94} | 1.11 {3.89} | 1.03 {3.61} |
| | | -45 | 0.99 {3.47} | 0.99 {3.49} | 0.98 {3.43} | 0.96 {3.39} | 0.89 {3.14} |
| | | -50 | 0.86 {3.02} | 0.86 {3.04} | 0.85 {2.99} | 0.84 {2.95} | 0.78 {2.73} |
| | -55 | 0.76 {2.66} | 0.76 {2.67} | 0.75 {2.62} | 0.74 {2.59} | 0.68 {2.39} | |
| | -60 | 0.66 {2.33} | 0.67 {2.35} | 0.66 {2.31} | 0.65 {2.28} | 0.60 {2.11} | |
| 2934BC1SL 2934DC1SL | -25 | 1.35 {4.75} | 1.39 {4.88} | 1.38 {4.86} | 1.37 {4.82} | 1.29 {4.52} | |
| | -30 | 1.96 {6.89} | 2.00 {7.02} | 1.98 {6.97} | 1.96 {6.89} | 1.83 {6.43} | |
| | -35 | 1.73 {6.08} | 1.75 {6.17} | 1.73 {6.09} | 1.71 {6.02} | 1.59 {5.60} | |
| | -40 | 1.52 {5.34} | 1.53 {5.39} | 1.51 {5.31} | 1.49 {5.24} | 1.38 {4.86} | |
| | -45 | 1.33 {4.67} | 1.34 {4.71} | 1.32 {4.63} | 1.30 {4.57} | 1.20 {4.22} | |
| | -50 | 1.16 {4.08} | 1.17 {4.10} | 1.15 {4.03} | 1.13 {3.98} | 1.04 {3.67} | |
| -55 | 1.02 {3.58} | 1.02 {3.60} | 1.01 {3.54} | 0.99 {3.49} | 0.92 {3.23} | | |
| -60 | 0.89 {3.14} | 0.90 {3.17} | 0.88 {3.11} | 0.88 {3.08} | 0.81 {2.84} | | |
| 4334BC1SL 4334DC1SL | -25 | 1.84 {6.48} | 1.90 {6.67} | 1.89 {6.64} | 1.87 {6.58} | 1.76 {6.18} | |
| | -30 | 2.67 {9.38} | 2.72 {9.58} | 2.71 {9.53} | 2.67 {9.40} | 2.51 {8.81} | |
| | -35 | 2.37 {8.32} | 2.40 {8.44} | 2.37 {8.33} | 2.34 {8.23} | 2.18 {7.67} | |
| | -40 | 2.07 {7.29} | 2.09 {7.36} | 2.06 {7.25} | 2.04 {7.16} | 1.89 {6.65} | |
| | -45 | 1.81 {6.37} | 1.83 {6.43} | 1.80 {6.32} | 1.77 {6.24} | 1.64 {5.77} | |
| | -50 | 1.58 {5.56} | 1.59 {5.59} | 1.56 {5.49} | 1.54 {5.43} | 1.42 {5.01} | |
| -55 | 1.38 {4.87} | 1.39 {4.90} | 1.37 {4.81} | 1.35 {4.75} | 1.25 {4.39} | | |
| -60 | 1.22 {4.28} | 1.23 {4.31} | 1.21 {4.24} | 1.19 {4.19} | 1.10 {3.87} | | |