

## R-22

## Compresores Frascold Tabla de rendimientos

### Rendimientos con gas refrigerante R-22

Modelo Compressor	T.C. °C	R-22 TEMPERATURA DE EVAPORACIÓN												
		10	7,5	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
A - 1 - 6 Y	30	6.473	5.920	5.401	4.462	3.647	2.945	2.347	1.841	1.419	1.070	783	548	
	40	5.742	5.243	4.776	3.933	3.204	2.578	2.045	1.596	1.219	905	644	425	
	50	5.008	4.563	4.148	3.403	2.760	2.211	1.745	1.352	1.022	745	510	307	
A - 1 - 7 Y	30					4.655	3.779	3.035	2.409	1.886	1.452	1.092	794	
	40					4.124	3.337	2.671	2.112	1.646	1.258	934	660	
	50					3.600	2.900	2.310	1.817	1.406	1.062	772	522	
A - 1,5 - 7 Y	30	8.294	7.594	6.938	5.754	4.727	3.844	3.090	2.452	1.915	1.466	1.090		
	40	7.423	6.789	6.197	5.129	4.206	3.413	2.736	2.162	1.677	1.266	916		
	50	6.545	5.978	5.449	4.498	3.679	2.977	2.379	1.870	1.436	1.064	740		
B - 1,5 - 9.1 Y	30			9.243	7.656	6.291	5.127	4.142	3.315	2.623	2.045	1.560	1.144	
	40			8.211	6.781	5.557	4.517	3.640	2.903	2.286	1.766	1.321	931	
	50			7.193	5.917	4.830	3.911	3.138	2.489	1.943	1.477	1.071	702	
B - 2 - 10 Y	T.C. °C	12,5												
	30	13.620	11.380	10.390	8.610	7.090	5.780	4.670	3.710	2.900	2.210			
	40	12.150	10.140	9.240	7.640	6.720	5.090	4.070	3.210	2.480	1.860			
	45	11.420	9.520	8.680	7.160	5.860	4.750	3.780	2.970	2.270	1.690			
	50	10.660	8.890	8.100	6.680	5.450	4.400	3.500	2.720	2.070	1.520			
D - 2 - 13.1 Y	30			13.958	11.614	9.586	7.843	6.354	5.091	4.023	3.120	2.352	1.688	
	40			12.333	10.245	8.444	6.899	5.581	4.458	3.502	2.682	1.967	1.329	
	50			10.729	8.891	7.310	5.956	4.799	3.810	2.958	2.213	1.545	925	
D - 3 - 13.1 Y	30	16.798	15.372	14.041	11.649	9.585	7.817	6.310	5.030	3.944	3.016			
	40	14.946	13.665	12.470	10.325	8.477	6.893	5.537	4.377	3.378	2.506			
	50	13.109	11.968	10.907	9.004	7.366	5.959	4.750	3.703	2.786	1.963			
D - 3 - 15.1 Y	30		17.241	15.745	13.055	10.737	8.752	7.065	5.637	4.432	3.413	2.541		
	40		15.351	14.003	11.585	9.505	7.727	6.213	4.926	3.829	2.885	2.057		
	50		13.480	12.277	10.124	8.276	6.697	5.350	4.198	3.202	2.327	1.535		
D - 3 - 19.1 Y	30					13.222	10.797	8.752	7.035	5.596	4.384	3.348	2.438	
	40					11.675	9.513	7.696	6.173	4.893	3.807	2.863	2.009	
	50					10.115	8.213	6.622	5.292	4.170	3.208	2.353	1.555	
Q - 4 - 21.1 Y	30				19.134	15.854	12.993	10.517	8.392	6.584	5.060	3.784	2.724	
	40				17.163	14.142	11.516	9.251	7.313	5.668	4.281	3.120	2.150	
	50				15.148	12.394	10.011	7.964	6.219	4.744	3.503	2.464	1.591	
Q - 4 - 24.1 Y	30				20.706	17.134	14.012	11.307	8.983	7.006	5.341	3.955	2.813	
	40				18.479	15.197	12.339	9.872	7.762	5.974	4.473	3.225	2.195	
	50				16.243	13.252	10.661	8.437	6.543	4.946	3.611	2.504	1.590	
Q - 5 - 25.1 Y	30				17.191	13.968	11.219	8.894	6.941	5.311	3.952	2.814		
	40				15.194	12.302	9.840	7.759	6.008	4.536	3.292	2.226		
	50				13.217	10.652	8.475	6.634	5.081	3.764	2.631	1.634		
Q - 5 - 28.1 Y	30				23.591	19.438	15.884	12.864	10.310	8.154	6.331	4.773	3.412	
	40				20.972	17.236	14.050	11.346	9.057	7.115	5.455	4.008	2.709	
	50				18.379	15.046	12.212	9.809	7.769	6.027	4.514	3.165	1.911	
Q - 7 - 33.1 Y	30	39.393	36.131	33.090	27.634	22.943	18.934	15.524	12.630	10.171	8.063			
	40	35.627	32.658	29.894	24.945	20.697	17.066	13.972	11.329	9.057	7.072			
	50	31.832	29.153	26.665	22.218	18.408	15.153	12.369	9.974	7.885	6.019			

Enfriamiento con ventilador de cabezal

**T.C. °C 12,5** Temperatura válida sólo para el modelo dentro del cuadro (ej. B - 2 - 10 Y)

**Condiciones de cálculo:**

- T.C.: T° condensación
- Alimentación 50 Hz
- Sin sistema de sub-enfriamiento
- T° ambiente 32° C
- T° gas de succión 20° C

**Equivalencias:**

1 Watt = 0.8598 Kcal/h  
= 3.4121 BTU/h

## R-22

## Compresores Frascold Tabla de rendimientos

### Rendimientos con gas refrigerante R-22

Modelo Compressor	T.C. °C	R-22 TEMPERATURA DE EVAPORACIÓN												
		10	7,5	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
S - 8 - 42 Y	30					31.633	25.649	20.485	16.072	12.341	9.223	6.650	4.552	
	40					27.429	22.087	17.499	13.597	10.312	7.575	5.317	3.469	
	50					23.054	18.394	14.423	11.072	8.273	5.956	4.053	2.494	
S - 10 - 52 Y	30					36.621	29.594	23.686	18.767	14.707	11.374	8.637	6.366	
	40					32.486	26.094	20.750	16.324	12.685	9.702	7.244	5.181	
	50					28.551	22.754	17.934	13.961	10.704	8.031	5.813	3.917	
S - 12 - 42 Y	30	53.256	48.648	44.314	36.434	29.550	23.597	18.507	14.215	10.654	7.758			
	40	46.819	42.604	38.650	31.494	25.283	19.952	15.434	11.663	8.574	6.099			
	50	40.594	36.766	33.186	26.740	21.190	16.468	12.509	9.248	6.616	4.549			
S - 15 - 51 Y	T.C. °C	12,5												
	30	70.010	58.200	53.030	43.590	35.600	28.800	23.040	18.150	14.030	10.600			
	40	62.320	51.880	47.230	38.700	31.430	25.240	19.990	15.570	11.860	8.780			
	45	58.730	48.870	44.430	36.310	29.390	23.500	18.510	14.320	10.800	7.910			
S - 20 - 56 Y	30	70.753	64.773	59.199	49.191	40.577	33.206	26.924	21.582	17.026	13.104			
	40	63.201	57.828	52.826	43.861	36.154	29.553	23.907	19.063	14.870	11.176			
	50	55.602	50.828	46.392	38.456	31.642	25.798	20.773	16.414	12.569	9.088			
V - 15 - 71 Y	30					50.233	40.728	32.727	26.064	20.576	16.098	12.645	9.513	
	40					44.705	36.087	28.862	22.867	17.937	13.908	10.613	7.890	
	50					39.378	31.604	25.114	19.745	15.331	11.708	8.710	6.174	
V - 20 - 84 Y	30					60.090	48.596	38.919	30.865	24.238	18.842	14.483	10.964	
	40					53.221	42.845	34.149	26.937	21.013	16.182	12.249	9.017	
	50					46.547	37.258	29.511	23.108	17.856	13.557	10.018	7.042	
V - 25 - 71 Y	30	87.991	80.534	73.553	60.945	50.028	40.659	32.697	26.003	20.435	15.852			
	40	79.454	72.625	66.240	54.728	44.778	36.248	28.998	22.887	17.775	13.519			
	50	70.982	64.766	58.961	48.514	39.500	31.779	25.209	19.651	14.962	11.002			
V - 30 - 84 Y	30	108.056	98.846	90.218	74.621	61.101	49.492	39.629	31.347	24.483	18.869			
	40	97.188	88.797	80.946	66.779	54.521	44.009	35.078	27.561	21.295	16.115			
	50	86.249	78.677	71.604	58.869	47.877	38.465	30.466	23.717	18.053	13.308			
Z - 25 - 106 Y	30					78.804	63.915	51.119	40.270	31.226	23.844	17.982	13.495	
	40					71.214	57.530	45.809	35.909	27.685	20.996	15.698	11.648	
	50						51.150	40.485	31.513	24.090	18.073	13.319		
Z - 30 - 126 Y	30					89.740	74.250	59.800	47.640	37.540	29.150	22.260	16.630	
	40					79.660	65.910	52.930	42.080	32.980	25.430	19.220	14.170	
	45					74.770	61.850	49.580	39.340	30.750	23.600	17.740	12.980	
	50					69.830	57.760	46.280	36.600	28.520	21.800	16.280		
Z - 40 - 154 Y	30				128.360	105.677	86.385	70.112	56.489	45.144	35.707	27.808	21.077	
	40				114.726	94.361	77.091	62.547	50.359	40.155	31.565	24.220	17.748	
	50				101.384	83.260	67.938	55.048	44.219	35.080	27.262	20.394		
W - 70 - 228 Y	30				204.997	169.221	138.114	111.338	88.558	69.438	53.641	40.832	30.647	
	40				182.730	150.153	121.916	97.681	77.113	59.876	45.633	34.049	24.787	
	50				160.632	131.293	105.964	84.309	65.992	50.676	38.027			
W - 80 - 240 Y	30	303.321	255.556		213.354	176.334	144.113	116.310						
	40	270.934	228.233		190.416	157.102	127.908	102.543						
	50	237.571	199.954		166.543	136.955	110.809	87.722						
Modelo Compressor	T.C. °C	R-22 TEMPERATURA DE EVAPORACIÓN												
		CON SISTEMA DE SUB-ENFRIAMIENTO							-20	-25	-30	-35	-40	-45
Z-15 - 60 - 30Y (*)	30							28.300	23.350	19.100	15.460	12.370	9.780	7.630
	35							27.870	23.040	18.860	15.280	12.240	9.680	7.570
	40							27.430	22.690	18.610	15.090	12.100	9.590	7.500
	45							26.960	22.340	18.340	14.890	11.960	9.480	
	50							26.470	21.920	18.040	14.680	11.800		

Enfriamiento con ventilador de cabezal

Enfriamiento con inyección de líquido y ventilador de cabezal

T.C. °C 12,5 Temperatura válida sólo para el modelo dentro del cuadro (ej. S - 15 - 51 Y)

Equivalencias:

1 Watt = 0.8598 Kcal/h  
= 3.4121 BTU/h

Condiciones de cálculo:

- T.C.: T° condensación
- Alimentación 50 Hz
- Sin sistema de sub-enfriamiento
- T° ambiente 32° C
- T° gas de succión 20° C