

Mbsm.pro, Compressor, Samsung, HK6A3C2W, R134a, 1/3 hp++, 690 w , hbp, SDxx-SKxx-HKxx Series

Category: compressor

written by Lilianne | 25 May 2023

VOLTAGE	MODEL	TYPE	[V-Hz]	Cooling Capacity			W	EFF	COP	EER	TYPE
				Kcal/Hr	Watt	BTU/Hr					
AC 100V-50/60Hz	SD652E-S2W2	CSR	100-50	450	523	1,787	230	1.96	2.28	7.77	FC
			100-60	550	640	2,184	262	2.10	2.44	8.33	
	HK690E2W	CSR	100-50	780	907	3,097	390	2.00	2.33	7.94	FC
			100-60	950	1,105	3,772	445	2.13	2.48	8.48	
HK6A3E2W	CSR	100-50	HK6A	1,221	1,469	577	1.82	2.12	7.22	FC	
		100-60	1,250	1,453	4,963	644	1.94	2.26	7.71		
AC 115V-60Hz	SD643C-H2U2	RSCR	115-60	450	523	1,787	220	2.05	2.38	8.12	FC
	SD652C-H2U2	RSCR	115-60	550	640	2,184	262	2.10	2.44	8.33	FC
	SK670C-H2Y	RSIR	115-60	720	837	2,858	390	1.85	2.15	7.33	FC
	SK682C-H2Y	RSIR	115-60	830	965	3,295	460	1.80	2.10	7.16	FC
	SK6A1C-H2Y	RSIR	115-60	1,080	1,256	4,288	630	1.71	1.99	6.81	FC
	HK672C2Z	RSIR	115-60	750	872	2,978	370	2.03	2.36	8.05	FC
	HK680C2Z	RSIR	115-60	850	988	3,375	430	1.98	2.30	7.85	FC
	HK690C2Z	RSIR	115-60	950	1,105	3,772	490	1.94	2.25	7.70	FC
	HK6A1C2U	RSCR	115-60	1,090	1,267	4,327	545	2.00	2.33	7.94	FC
	HK6A3C2W	CSR	115-60	1,250	1,453	HK6A	690	1.81	2.11	7.19	FC
AC 220V-60Hz	SD643B-H2U2	RSCR	220-60	450	523	1,787	220	2.05	2.38	8.12	FC
	SD643B-H2UB	RSCR	220-60	480	558	1,906	238	2.02	2.35	8.01	FC
	SD652B-S2W2	CSR	220-60	550	640	2,184	255	2.16	2.51	8.56	FC
	SD652B-H2UB	RSCR	220-60	570	663	2,263	270	2.11	2.45	8.38	FC
	SK670B-H2U	RSCR	220-60	720	837	2,858	330	2.18	2.54	8.66	FC
	SK682B-H2U	RSCR	220-60	830	965	3,295	405	2.05	2.38	8.14	FC
	SK6A1B-S2W	CSR	220-60	1,080	1,256	4,288	560	1.93	2.24	7.66	FC
	HK672B2Z	RSIR	220-60	750	872	2,978	370	2.03	2.36	8.05	FC
	HK680B2Z	RSIR	220-60	850	988	3,375	430	1.98	2.30	7.85	FC
	HK690B2Z	RSIR	220-60	950	1,105	3,772	490	1.94	2.25	7.70	FC
AC 220-240V-50Hz	SD643Q-H222	RSIR	230-50	370	430	1,469	197	1.88	2.18	7.46	FC
	SD652Q-H222	RSIR	230-50	450	523	1,787	220	2.05	2.38	8.12	FC
	SK670Q-H2S	CSIR	230-50	600	698	2,382	310	1.94	2.25	7.68	FC
	SK670Q-H2Z	RSIR	230-50	595	692	2,362	310	1.92	2.23	7.62	FC
	SK682Q-H2Z	RSIR	230-50	700	814	2,779	365	1.92	2.23	7.61	FC
	SK6A1Q-S2S	CSIR	230-50	900	1,047	3,573	480	1.88	2.18	7.44	FC
	HK672Q2Z	RSIR	220-50	610	709	2,422	305	2.00	2.33	7.94	FC
	HK680Q2Z	RSIR	220-50	700	814	2,779	350	2.00	2.33	7.94	FC
	HK690Q2Z	RSIR	220-50	780	907	3,097	380	2.05	2.39	8.15	FC
	HK6A1Q2Z	RSIR	220-50	910	1,058	3,613	465	1.96	2.28	7.77	FC
HK6A3Q2U	RSCR	220-50	1,050	1,221	4,169	535	1.96	2.28	7.79	FC	

COOLING TYPE	MOTOR TYPE	ASHRAE CONDITIONS (HBP)	UNIT CONVERSION TABLE
FC : Fan cooling OC : Oil cooling	RSIR : Resistance Start Induction Run RSCR : Resistance Start Capacitor Run	Evaporating Temp. : 7.2°C (45°F) Condensing Temp. : 54.4°C (130°F)	1 watt = 3.41 Btu/Hr 1 watt = 0.86 Kcal/Hr

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Condensation temperature: 54.4 degrees Celsius

Liquid temperature: 32.2 Celsius

Model	Type	Cooling capacity BTU/H	refrigeration capacity W	Input power W	EER efficiency	current RLA
SD643Q-H222	RSIR	1469	430	197	746	1.01
SD652Q-H222	RSIR	1787	523	220	812	1.30
SK670Q-H2S	CSIR	2383	698	310	768	1.84
SK670Q-H2Z	RSIR	2362	692	310	762	1.84
SK682Q-H2Z	RSIR	2779	814	365	761	2.16
SK6A1Q-S2S	CSIR	4573	1047	480	744	2.85
HK672Q2Z	RSIR	2422	709	305	794	1.81

HK680Q2Z	RSIR	2779	814	three hundred fifty	794	2.07
HK690Q2Z	RSIR	3097	907	380	815	2.25
HK6A1Q2Z	RSIR	3613	1058	465	777	2.76
HK6A3Q2U	RSCR	4169	1221	535	779	3.17

VOLTAGE	TYPE	V(Hz)	ASHRAE			W	EFF	COP	EER	TYPE	
			Kcal/Hr	Watt	BTU/Hr						
AC 100V-50/60Hz	SD652C-S2W2	CSR	100-50	450	523	1,787	230	1.96	2.28	7.77	FC
			100-60	550	640	2,184	262	2.10	2.44	8.33	
	HK690E2W	CSR	100-50	780	907	3,097	390	2.00	2.33	7.94	FC
			100-60	850	1,105	3,772	445	2.13	2.48	8.48	
AC 115V-60Hz	HK6A3E2W	CSR	100-50	1050	1,221	4,169	577	1.82	2.12	7.22	FC
			100-60	1,250	1,453	4,963	644	1.94	2.26	7.71	
	SD643C-H2U2	RSCR	115-60	450	523	1,787	230	2.05	2.38	8.12	FC
			SD652C-H2U2	RSCR	115-60	550	640	2,184	262	2.10	
AC 220V-60Hz	SK670C-H2Y	RSCR	115-60	720	837	2,858	390	1.85	2.15	7.33	FC
			SK682C-H2Y	RSCR	115-60	830	965	3,295	460	1.90	
	SK6A3C-H2Y	RSCR	115-60	1,080	1,254	4,288	630	1.71	1.99	6.81	FC
			HK672C22	RSCR	115-60	750	872	2,978	370	2.03	
	HK680C22	RSCR	115-60	850	988	3,375	430	1.98	2.30	7.85	FC
			HK690C22	RSCR	115-60	950	1,105	3,772	490	1.94	
	HK6A1C2U	RSCR	115-60	1,090	1,267	4,327	545	2.00	2.33	7.94	FC
			HK6A3C2W	CSR	115-60	1,250	1,453	4,963	644	1.91	
AC 220V-60Hz	SD643B-H2U2	RSCR	220-60	450	523	1,787	230	2.05	2.38	8.12	FC
			SD652B-H2U2	RSCR	220-60	480	558	1,906	238	2.02	
	SD652B-S2W2	CSR	220-60	550	640	2,184	255	2.16	2.51	8.56	FC
			SD652B-H2U2	RSCR	220-60	570	663	2,263	270	2.11	
	SK670B-H2U	RSCR	220-60	720	837	2,858	370	2.18	2.54	8.66	FC
			SK682B-H2U	RSCR	220-60	830	965	3,295	435	2.05	
	SK6A1B-S2W	CSR	220-60	1,080	1,254	4,288	580	1.93	2.24	7.66	FC
			HK672B22	RSCR	220-60	750	872	2,978	370	2.03	
	HK680B22	RSCR	220-60	850	988	3,375	430	1.98	2.30	7.85	FC
			HK690B22	RSCR	220-60	950	1,105	3,772	490	1.94	
	HK6A1B2W	CSR	220-60	1,090	1,267	4,327	520	2.10	2.44	8.32	FC
			HK6A3B2W	CSR	220-60	1,250	1,453	4,963	650	1.92	
AC 220-240V-50Hz	SD643Q-H2Z2	RSCR	230-50	370	430	1,469	197	1.88	2.18	7.46	FC
			SD652Q-H2Z2	RSCR	230-50	450	523	1,787	220	2.05	
	SK670Q-H2S	CSR	230-50	600	688	2,383	310	1.94	2.25	7.68	FC
			SK670Q-H2Z	RSCR	230-50	595	692	2,362	310	1.92	
	SK682Q-H2Z	RSCR	230-50	700	814	2,779	365	1.92	2.23	7.61	FC
			SK6A1Q-S2S	CSR	230-50	900	1,047	3,573	480	1.88	
	HK672Q22	RSCR	220-50	610	709	2,422	305	2.00	2.33	7.94	FC
			HK680Q22	RSCR	220-50	700	814	2,779	350	2.00	
	HK690Q22	RSCR	220-50	780	907	3,097	380	2.05	2.39	8.15	FC
			HK6A1Q22	RSCR	220-50	810	1,008	3,413	465	1.98	
	HK6A3Q2U	RSCR	220-50	1,050	1,221	4,169	535	1.94	2.28	7.79	FC



COOLING TYPE

FC - Fan cooling

OC - Oil cooling

MOTOR TYPE

RSR - Resistance Start Induction Run

RSCR - Resistance Start Capacitor Run

ASHRAE CONDITIONS (SI/PI)

Evaporating Temp.: 7.2°C (45°F)

Condensing Temp.: 54.4°C (130°F)

UNIT CONVERSION TABLE

1 watt = 3.41 Btu/Hr

1 watt = 0.86 Kcal/Hr

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