

Refrigeration, Compressor, 1/10 HP, R-134A, Samsung, CD130C-L1Z2

Category: compressor

written by Amina | 23 October 2023



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Samsung				COOLING C								
	IN	Displ.CC	R L A	k CAL/HR	B T U	In -23	W -5	In 7.2+				
CD124H-L1Z2	2.4			43	171	50			LBP	134a		
CD130H-L1Z2	3			60	239	70			LBP	134a		
CD137H-L1UB	3.7			75	297	87			LBP	134a		
CD143H-L1UA	4.3			98	389	114			LBP	134a		
CD152H-S1UB	5.2			120	478	140			LBP	134a		
CD162H-L1UB	6.2			146	580	170			LBP	134a		
SK170H-L1UB	7			168	665	195			LBP	134a		
SK172H-L1UB	7.2			176	699	205			LBP	134a		
SK182H-L2UB	8.2			203	805	236			LBP	134a		
SK190H-L2UB	9			227	901	264			LBP	134a		

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Model	Motor Type	RPM	VOLTAGE [V-Hz]	Performance									Cooling Type
				Cooling Capacity			Power Input	EFFICIENCY			Test Condition		
				Kcal/Hr	Watt	BTU/Hr		W	EFF	ODP		EER	
CD124Q-L1Z2	RSIR	50Hz	220-50	43	50	171	57	0.75	0.88	2.99	ASHRAE	5T	
CD130Q-S1ZA	RSIR	50Hz	220-50	58	67	230	74	0.78	0.91	3.10	ASHRAE	5T	
CD130Q-L1Z2	RSIR	50Hz	220-50	58	67	230	65	0.89	1.04	3.54	ASHRAE	5T	
MSA143Q-S1Z	RSIR	50Hz	220-50	96	112	381	83	1.16	1.34	4.59	ASHRAE	5T	
MSA151Q-L1A	RSIR	50Hz	220-50	128	149	508	102	1.25	1.46	5.00	ASHRAE	5T	
MSA162Q-L1G	RSCR	50Hz	220-50	151	176	599	111	1.36	1.58	5.40	ASHRAE	5T	
MSS162Q-L1U	RSCR	50Hz	220-50	151	176	599	105	1.44	1.67	5.71	ASHRAE	5T	
MSA170Q-L1B	RSCR	50Hz	220-50	173	201	687	129	1.34	1.56	5.32	ASHRAE	5T	
MSA170Q-L1G	RSCR	50Hz	220-50	173	201	687	126	1.37	1.60	5.45	ASHRAE	5T	
MSA170Q-L1H	RSCR	50Hz	220-50	170	198	675	123	1.38	1.61	5.50	ASHRAE	5T	
MSA182Q-L2H	RSCR	50Hz	220-50	218	253	865	153	1.42	1.66	5.65	ASHRAE	5T	
MSS182Q-L2U	RSCR	50Hz	220-50	212	247	842	145	1.46	1.70	5.80	ASHRAE	5T	
NCA370LB	RSCR	50Hz	220-50	90	105	357	80	1.13	1.31	4.47	ASHRAE	5T	

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R134a LBP

RATED VOLTAGE	MODEL	MOTOR TYPE	VOLT-AGE [V-Hz]	ASHRAE							COOLING TYPE (IDENTIFICATION Ver.)
				COOLING CAPACITY			POWER INPUT	EFFICIENCY			
				Kcal/Hr	Watt	BTU/Hr		W	EFF	COP	
AC 200-220V~50Hz	CD124K-S1ZA	RSIR	220-50	42	49	167	64	0.66	0.76	2.61	ST(Ver.01)
	CD124K-S1ZB	RSIR	220-50	42	49	167	64	0.66	0.76	2.61	ST(Ver.01)
	CD130K-S1ZA	RSIR	220-50	58	67	230	79	0.73	0.85	2.91	ST(Ver.01)
	MSA143K-S1B	RSCR	220-50	96	112	381	77	1.25	1.45	4.95	ST(Ver.01)
	MSA170K-S1G	RSCR	220-50	173	201	687	135	1.28	1.49	5.09	ST(Ver.01)
	NC1A43KLA	RSIR	220-50	102	119	405	94	1.09	1.26	4.31	ST(Ver.02)
	NC1A43KLB	RSCR	220-50	102	119	405	90	1.13	1.32	4.50	ST(Ver.02)
AC 230V~50Hz	NF21K5111FU	RSCR	230-50	265	308	1,052	228	1.16	1.35	4.61	FC(Ver.03)
	NF21K5131FU	RSCR	230-50	325	378	1,290	275	1.18	1.37	4.69	FC(Ver.03)

COOLING TYPE

FC : Fan cooling
OC : Oil cooling
ST : Static

MOTOR TYPE

RSIR : Resistance Start Induction Run
RSCR : Resistance Start Capacitor Run
CSIR : Capacitor Start Induction Run
CSR : Capacitor Start Capacitor Run

ASHRAE CONDITIONS (LBP)

Evaporating Temp. : -23.3°C (-10°F)
Condensing Temp. : 54.4°C (130°F)
Gas Superheated to : 32.2°C (90°F)
Liquid sub-cooled to : 32.2°C (90°F)
Ambient Temp. : 32.2°C (90°F)

Unit conversion table

1 watt = 3.41 Btu/Hr
1 watt = 0.86 Kcal/Hr
1 Kcal/Hr = 3.97 Btu/Hr