1/5HP, Refrigerator, Samsung, Compressor, R134A, 220-240V, SD162Q-L1UA, PTC-RSCR, 6.16CC

written by Lilianne | 19 December 2020

Model No.: SD162Q-L1UA
Test condition: ASHARE
Evaporating Temperature: -23.3° C
Condensing Temperature: 54.4° C
Displacement: 6.16CC/ Rev
Oil: 180CC
Motor type: PTC-RSCR
Nominal voltage range: 187V~276V at 50Hz
Characteristics:
1. Strong load capacity
2. High efficiency & reliability
3. Reliable starting performance
4. Low noise
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SAMSUNG COMPRESSORS

R134a LBP compressors

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)

COOLING TYPE
FC : Fan cooling
OC : Oil cooling

UNIT CONVERSION TABLE
W x 0.86 = Kcal/Hr
W x 3.415 = BTU

Kcal/Hr x 1.163 = W
Kcal/Hr x 3.968 = BTU

BTU x 0.252 = Kcal/Hr
BTU x 0.293 = W

RATED VOLTAGE	MODEL	VOLTAGE VOLT-HZ	MOTOR TYPE	DISPL. (cc)	HEIGHT (mm)	ASHRAE							COOLING TYPE
						COOLING CAPACITY -23.3 °C			POWER INPUT	EFFICIENCY (-23.3 °C)			
										EFF	COP	EER	
						Kcal/Hr	Watt	BTU/Hr	W	Kcal/WHr	W/W	BTU/Whr	
AC 110V/50-60Hz	CD124E-L1Z2	100-50	RSIR	2.40	157	43	50	171	68	0.63	0.74	2.51	ST
		100-60				52	60	206	68	0.76	0.89	3.04	
	CD130E-L1Z2	100-50	RSIR	2.93	157	58	67	230	76	0.76	0.89	3.03	ST
		100-60				70	81	278	79	0.89	1.03	3.52	
	SD137E-L1U2	100-50	RSCR	3.71	166	72	84	286	91	0.79	0.92	3.14	ST
		100-60				87	101	345	99	0.88	1.02	3.49	
	SD152E-L1W2	100-50	CSR	5.21	171	117	136	464	111	1.05	1.23	4.18	ST
		100-60				135	157	536	121	1.12	1.30	4.43	
	SD162E-L1W2	100-50	CSR	6.16	175	144	168	572	141	1.02	1.19	4.06	ST
		100-60				170	198	676	147	1.16	1.35	4.60	
	DD137-L1U2	100-50	RSCR	3.71	166	80	93	317	85	0.94	1.09	3.73	ST
		100-60				96	111	380	99	0.97	1.12	3.84	
	MD152E-L1U2	100-50	RSCR	5.21	171	118	137	468	103	1.15	1.33	4.55	ST
		100-60				143	166	568	118	1.21	1.41	4.81	
	MD162E-L1U2	100-50	RSCR	6.16	175	143	166	568	116	1.23	1.43	4.89	ST
		100-60				182	212	723	141	1.29	1.50	5.12	
	SK170E-L2W	100-50	CSR	6.99	189	168	195	667	149	1.13	1.31	4.48	FC
		100-60				206	240	818	170	1.21	1.41	4.81	
	SK182E-L2W	100-50	CSR	8.19	189	203	236	806	188	1.08	1.26	4.29	FC
		100-60				239	278	950	196	1.22	1.42	4.85	
	DK182E-L2U	100-50	RSCR	8.19	189	203	236	806	161	1.26	1.47	5.01	FC
		100-60				256	298	1016	191	1.34	1.56	5.32	
	DK190E-L2U	100-50	RSCR	9.07	189	230	267	913	180	1.28	1.49	5.07	FC
		100-60				280	326	1112	209	1.34	1.56	5.32	
	MK172E-L2U	100-50	RSCR	7.21	189	181	210	719	140	1.29	1.50	5.13	ST
		100-60				226	263	897	162	1.40	1.62	5.54	

Samsung compressors are imported in Europe by: Procold S.r.l. - Italy
www.samsung-compressors.com www.procold.it

MK 1 62 Q - L 1 U A
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

1) Compressor model identification

NUMBER		MEANING
①	Series	CD, SD, MD, SK, MK, HK, MSS, MSA, MSE, ENV, MKV, MSV
②	Refrigerant	1 : R 134a (LBP) 4 : R 600a (LBP) 6 : R 134a (HBP)
③	Displacement (cc/Rev.) x 10	24 : 2.40cc, 30 : 2.93cc, 37 : 3.71cc, 43 : 4.38cc, 50 : 5.21cc, 51 : 5.12cc, 52 : 5.21cc, 60 : 6.16cc, 62 : 6.16cc, 70 : 6.99cc, 72 : 7.21cc, 80 : 8.19cc, 82 : 8.19cc, 83 : 8.19cc, 88 : 8.80cc, 90 : 9.07cc, A1 : 10.68cc, A2 : 12.13cc, A3 : 12.52cc, A5 : 15.32cc
④	Rated voltage and frequency	B : 220V ~ 60Hz C : 115V ~ 60Hz D : 115-127V ~ 60Hz E : 100V ~ 50/60Hz G : 220-240V ~ 50Hz, 220V ~ 60Hz H : 200-220V ~ 50Hz, 220V ~ 60Hz K : 200-220V ~ 50Hz P : 127V ~ 60Hz Q : 220-240V ~ 50Hz A : variable for BLDC
⑤	Application	L/R/S : Low Back Pressure H : High Back Pressure
⑥	Cooling type	0 : Oil cooling 1 : Static 2 : Fan cooling
⑦	Motor type	B/C/X : BLDC S : PTC or Current-CSIR U : PTC-RSCR (Optional RSIR) W : PTC-CSR Y : Current-RSIR Z : PTC-RSIR
⑧	Option	