

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

Category: compressor

written by [www.mbsm.pro](http://www.mbsm.pro) | 19 December 2020



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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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RATED VOLTAGE	MODEL	VOLTAGE VOLT-HZ	MOTOR TYPE	DISPL. (cc)	HEIGHT (mm)	ASHRAE			EFFICIENCY (-23.3 °C)			COOLING TYPE	
						COOLING CAPACITY -23.3 °C			POWER INPUT W	EFF	COP		EER
						Kcal/Hr	Watt	BTU/Hr					
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
	SD152E-L1W2	100-50	CSR	5.21	171	87	101	345	99	0.88	1.02	3.49	ST
		100-60				117	136	454	111	1.05	1.23	4.18	
	SD162E-L1W2	100-50	CSR	6.16	175	135	157	536	121	1.12	1.30	4.43	ST
		100-60				144	168	572	141	1.02	1.19	4.06	
	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	1.21	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	239	267	913	190	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

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## 1/5HP Refrigerator Compressor R134A 220-240V



Price : **US \$ 28/ Piece**  
Payment Terms : **L/C, T/T, Western Union**  
Trade Terms : **FOB**  
Production Capacity : **6, 000, 000PCS/ Year**  
Packing Details : **by Pallet**  
Refrigerant Gas : **R134A**  
Main Markets : **Global**  
Place of Origin : **china**  
Category : **Refrigerators**



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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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Rated voltage	Item No.	Description	ASHARE					Cooling Type	Motor Type
			Capacity at 50Hz		COP (W/W) at 50Hz	Current (A) at 50Hz	Power Input (W)		
			W	Btu					
AC 220-240V/ 50Hz	MSA141Q-S1A	Refrigerator Compressor R134a LBP	122	416	1.27	0.67	96	Static	PTC-RSIR
	MSA143Q-S1Z		112	381	1.34	0.69	83	Static	PTC-RSIR
	SD151Q-L1UB		140	478	1.27	0.52	110	Static	RSCR
	SD162Q-L1UA		170	580	1.36	0.59	125	Static	PTC-RSCR
	MSA170Q-L1B		201	686	1.56	0.63	129	Static	RSCR
AC 200- 220V/ 50Hz or 220V/ 60Hz	SD152H-S1UB	Refrigerator Compressor R134a LBP	134	457	1.17	0.66	114	Static	RSCR
	SD162H-L1UB		170	580	1.22	0.82	139	Static	PTC-RSCR
	MSA170H-L1B		201	686	1.43	0.87	141	Static	RSCR



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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	

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AC 220-240V-50Hz, 220V-60Hz	MSS151G-L1U	RSCR	220-50	129	145	496	90	1.39	1.61	5.51	ST
			220-60	152	177	603	107	1.42	1.65	5.64	
	MSA151G-L1B	RSCR	220-50	125	145	496	96	1.30	1.51	5.17	ST
			220-60	152	177	603	114	1.33	1.55	5.29	
	MSA162G-L1B	RSCR	220-50	151	176	599	119	1.27	1.48	5.04	ST
			220-60	187	217	742	140	1.34	1.55	5.30	
	MSS170G-L1U	RSCR	220-50	178	207	707	124	1.44	1.67	5.70	ST
			220-60	222	258	881	151	1.47	1.71	5.84	
MK183G-L2U	RSCR	220-50	203	236	806	149	1.36	1.58	5.41	FC	
		220-60	258	300	1024	179	1.44	1.68	5.72		
MK190G-L2U	RSCR	220-50	225	262	893	168	1.34	1.56	5.32	FC	
		220-60	285	331	1131	200	1.43	1.66	5.66		
AC 220-240V-50Hz	CD124Q-L1Z2	RSIR	220-50	43	50	171	57	0.75	0.88	2.99	ST
	CD130Q-L1Z2	RSIR	220-50	58	67	230	65	0.89	1.04	3.54	ST
	CD130Q-S1ZA	RSIR	220-50	58	67	230	74	0.78	0.91	3.11	ST
	CD137Q-S1U2	RSCR	220-50	72	84	286	80	0.90	1.05	3.57	ST
	SD137Q-L1ZB	RSIR	220-50	75	87	298	86	0.87	1.01	3.46	ST
	SD137Q-L1UB	RSCR	220-50	75	87	298	80	0.94	1.09	3.72	ST
	SD143Q-L1U2	RSCR	220-50	95	110	377	99	0.96	1.12	3.81	ST
	MSA143Q-S1Z	RSIR	220-50	96	112	381	83	1.16	1.34	4.59	ST
	SD152Q-L1UB	RSCR	220-50	120	140	476	104	1.15	1.34	4.58	ST
	MD152Q-L1U2	RSCR	220-50	118	137	468	98	1.20	1.40	4.78	ST
	SD162Q-L1UB	RSCR	220-50	146	170	580	125	1.17	1.36	4.64	ST

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Samsung, Compressor, MSV488A-L1R, Bldc, Inverter, Samsung Inverter, R600a, 1/6Hp, Ipm 8.82CC, 115/220V, Stai ( MSV488AL1R, TT1 )

Category: compressor

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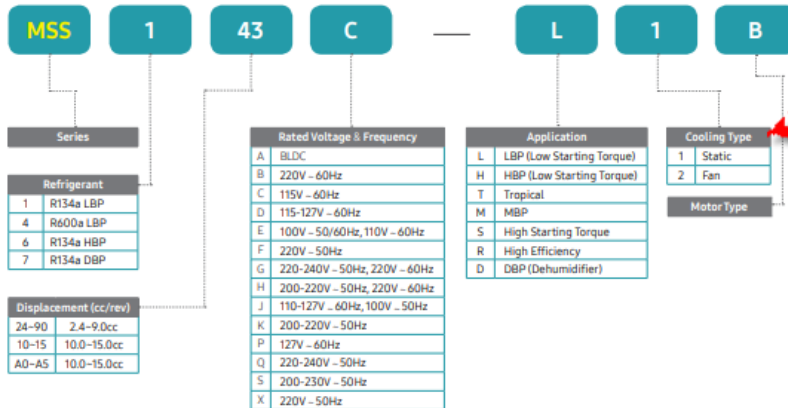


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### 1) Compressor model identification

Ver. 01 Series | CD, MSS, MSA, MSE, ENV, MSV



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Mbsm\_dot\_pro\_private\_PDF\_compressor-catalogue-2015-1Télécharger

Mbsm\_dot\_pro\_private\_PDF\_SAMSUNG-Compressor-Catalogue-2018Télécharger

**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 : R134a (LBP) 4 : R600a (LBP) 6 : R134a (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



### 2) Serial number

- ① Model code
- ② Production line
- ③ Year : 05 → Y, 06 → L, 07 → P, 08 → Q, 09 → S, 10 → Z, 11 → B, 12 → C, 13 → D, 14 → F, 15 → G
- ④ Month : 1 → Jan, 2 → Feb, ... A → Oct, B → Nov, C → Dec
- ⑤ Serial number

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SAMSUNG



DIGITAL  
INVERTER  
TECHNOLOGY

10 YEAR - ON THE COMPRESSOR  
WARRANTY

**ADVISORY**

This equipment contains flammable refrigerant

For more information on the use of flammable refrigerant in domestic refrigerators, visit <http://www.spring.gov.sg/safety>

DA88-C0826A REV10.01

ENERGY EFFICIENCY RATING

Low



Annual Energy Cost	Annual Energy Consumption
\$104	384 kWh

Samsung  
RT22FARADSA

Refrigerator-freezer  
Capacity: 234 L

Based on compliance with SEC 12142  
Based on 23°C ambient temperature and 12 hours daily usage  
Please consult your local authority and retailer for  
For more information, visit [www.mca.gov.sg](http://www.mca.gov.sg)  
MCA-SAM-RT12142

**SAMSUNG**

S/N : 51734DAG500342P

MODEL :	RT22FARADSA
RATED VOLTAGE :	230-240 V~
RATED FREQUENCY :	50 Hz
RATED CURRENT :	1.5 A
DEFROSTING INPUT :	(FREEZER : 130 W)
CLIMATIC CLASS OF THE APPLIANCE :	T
INSULATION CLASS OF MOTOR COMPRESSOR WINDING :	130(B)
RATED MAXIMUM INPUT OF LAMP :	(REFRIGERATOR : LED 0.9 W)
NAME OF REFRIGERANT :	R-600a
MASS OF REFRIGERANT :	46 g
NAME OF INSULATION BLOWING GAS :	CYCLOPENTANE
MADE BY SAMSUNG	



**SAFETY  
MARK**

1 2 1 8 1 4 - 1 1



RT22FARADSA/SS REV(0.01)



## WARNING / 警告



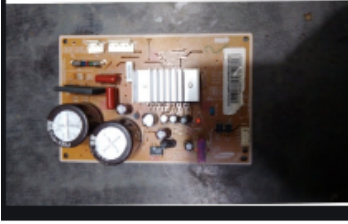
Iso-butane

### Risk of fire or explosion! Flammable refrigerant used.

- Place in well ventilated area to prevent accumulation of refrigerant.
- Repair and disposal must be carried out by trained service personnel.
- No naked flame during servicing or repair.

含有易燃冷却剂! 可导致燃烧或爆炸!  
为防止燃烧或者爆炸, 请注意以下事项:  
1. 在通风处, 以防止冷却剂的累积  
2. 修理或处理必须由专业人员进行  
3. 修理或处理时禁止明火

**inverter PCB testing**    **5V . 12V . 15V.**  
**IPM tasting**



RT22FARADSA/SS

230 V /50 Hz

MSV488AL1R/TT1

BF3, 1.5m

Serial No.

51734DAG500342P



Embraco, Compressor, Fridge,  
Refrigerator, 1/5HP, LBP, 1/6++,mbp  
R134a, FFI7.5HAK, 220-240V/50HZ

Category: compressor

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 **Embraco** FFI 7.5HAK



CE

THERMALLY PROTECTED

14.5/14 LRA

R 134a

1.8H

**220V~**  
**50-60Hz**



JOINVILLE-SC  
MADE IN BRAZIL



513200370 FAB 1 04/APR/01 F01NDMB6



Embraco, Compressor, Fridge, Refrigerator, 1/4HP LBP, R134a, FFI7.5HAK, 220-240V/50HZ

**L76CZ1, Donper, R134A, 220W, 220-240V/50-60HZ, 1Phase, 1/4 Hp, (+BIg = 1/3-Hp), compressor, Hermetic, refrigerator, RSIR, oil 250 ML**

Category: compressor

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Model	Application	Power supply	Refrigerat ion capacity	Power	Cylinder volume	Refrigerant	Motor	COP:	Weight	Working current
K230CZ1	Refrigerator	220v~240v /50Hz	230W	220W	8.3cm <sup>3</sup>	R134a	RSIR	1.3WW	9.7 ± 0.4kg	1.35A
K270CZ1	Refrigerator	220v~240v /50Hz	270W	220W	9.5cm <sup>3</sup>	R134a	RSIR	1.3WW	9.8 ± 0.4kg	1.5A
K325CZ1	Refrigerator	220v~240v /50Hz	325W	235W	11.4cm <sup>3</sup>	R134a	CSIR	1.3WW	9.9 ± 0.4kg	1.6A
K375CZ1	Refrigerator	220v~240v /50Hz	375W	310W	12.7cm <sup>3</sup>	R134a	CSIR	1.3WW	9.9 ± 0.4kg	2.1A
L58CZ1	Refrigerator	220v~240v /50Hz	150W	120W	5.8cm <sup>3</sup>	R134a	RSIR	1.3WW	7.8 ± 0.4kg	0.85A
L65CZ1	Refrigerator(2 00L~320L)	220v~240v /50Hz	170W	136W	6.5cm <sup>3</sup>	R134a	:RSIR	1.25W/ W	8.2 ± 0.4kg	1.15A
L72CZ1	Refrigerator(2 00L~370L)	220v~240v /50Hz	195W	150W	7.2cm <sup>3</sup>	R134a	RSIR	1.3WW	9.1 ± 0.4kg	1.04A
L76CZ1	Refrigerator(2 80L~360L)	220v~240v /50Hz	220W	170W	7.6cm <sup>3</sup>	R134a	RSIR	1.32W/ W	8.9 ± 0.4kg	1.4A
NE5165CZ	Refrigerator(1 000L~2000L)	220v~240v /50Hz	850W	380W	9cm <sup>3</sup>	R134a	RSIR	2.1WW	11 ± 0.5kg	2.3A
NE6188CZ	Refrigerator(1 000L~2000L)	220v~240v /50Hz	860W	410W	12.1cm <sup>3</sup>	R134a	CSIR	2.0WW	11 ± 0.5kg	2.6A
NE6210CZ	Refrigerator(1 000L~2000L)	220v~240v /50Hz	1050W	500W	14.2cm <sup>3</sup>	R134a	CSIR	2.1WW	11.2 ± 0.5kg	3.5A

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L76CZ1, Donper, R134A, refrigerator, RSIR, 220W, 1/4 Hp, (+BIg), (1/3- HP), compressor, High Pressure, High Pressure ,

**Compressor ,WS85YG, 220 to 240V/50Hz, 1/8HP ,RSCR , R600**

Category: Technologie,Tester ok



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Compressor ,WS85YG, 220 to 240V/50Hz, 1/8HP ,RSCR , R600

Ideal Zanussi Comfort refrigerator ,  
340 L , 17 Feet , Compresseur Cubigel  
,Compresseur ,GL90AA ,R-134a ,1/4HP  
,230V,non frost

Category: Non classé,Technologie,Tester ok  
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Ideal Zanussi Comfort refrigerator , 340 L , 17 Feet , Compresseur Cubigel  
,Compresseur ,GL90AA ,R-134a ,1/4HP ,230V,non frost

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Compressor ,DANFOSS , 2123  
104L,coolant R404a/R507,SC18CL  
,220-240V 50Hz, LBP/MBP  
(csr),hermetic ,13,7kg ,5/8HP  
(Big),781W

Category: Tester ok

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Compressor ,DANFOSS , 2123 104L,coolant R404a/R507,SC18CL 220-240V 50Hz, LBP/MBP (csr),hermetic ,13,7kg ,5/8HP (Big),781W

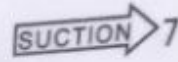
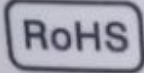
Mbsm.pro, Donpers Compressor, LBP,  
Fridge Freezer, Ice Making Commercial  
Refrigeration, Compressor, D25DZ1  
(1/5 hp, 177 w), S43CZ1 (1/7 hp),  
S50CZ1, L58CZ1 (1/5 Hp), L65CZ1 (1/5  
hp++), L72CZ1 (1/4 hp), L76CZ

Category: Technologie, Tester ok  
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L58CZ1

220-240V~50Hz 1PH  
THERMALLY PROTECTED



<http://www.donper.com>



201120003251202363

R134a

SYS12200901

BCD-270 (M)



027002201212000064

Donpers Compressor, LBP, 1/4 Hp ,Fridge Freezer, Ice Making Commercial Refrigeration, Compressor, D25DZ1, S43CZ1, S50CZ1, L58CZ1 L65CZ1, L72CZ1, L76CZ ,195 w

## FN91q20g , 1/4Hp , Electrostar , R12 Refrigerator Compressors , 220V/50-60Hz , 1Phase ,for Refrigerator/Freezer

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FN91q20g , 1/4Hp , Electrostar , R12 Refrigerator Compressors , 220V/50-60Hz , 1Phase ,for Refrigerator/Freezer

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# QBH57C10GPX, 1/6HP ,RSIR, Reciprocating Fixed Speed, Compressors, R134a, LBP ,PANASONIC SMALL REFRIGERATOR

Category: Solutions,Tester ok  
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PictureS Mbsm Dot Pro : [www.mbsm.pro](http://www.mbsm.pro)

QBH57C10GPX, 1/6HP ,RSIR, Reciprocating Fixed Speed, Compressors, R134a, LBP  
,PANASONIC SMALL REFRIGERATOR