

Mbsm.pro, Lg, compressor, LQ119NAEM, 1/3 hp, 227 w, lbp, 774 btu, r600a

Category: compressor

written by Lilianne | 30 November 2024



The **LQ119NAEM** compressor's cooling capacity can vary depending on the source. According to some references, it is rated at approximately **227 watts** for low back pressure (LBP) applications, while other sources, such as mbsm.pro, indicate a capacity of around **178 watts**. This discrepancy may arise from different testing conditions or specifications provided by various manufacturers or distributors.

Key Specifications

- **Model:** LQ119NAEM
- **Type:** Linear Compressor
- **Power Rating:** Approximately 1/3 horsepower (HP)
- **Cooling Capacity:**
 - 227 watts
 - 774 btu
- **Displacement:** 11.9 cc/rev
- **Refrigerant:** R600a (Isobutane)

- **Rated Voltage:** 220-240 V
- **Frequency:** 50 Hz
- **Evaporating Temperature:** -23.3°C
- **Condensing Temperature:** 54.4°C

Applications

The LQ119NAEM is suitable for medium to large-sized refrigerators and freezers, as well as commercial refrigeration systems. Its design allows it to operate efficiently while maintaining a low noise level.

Parameter	
Product type	Refrigeration Compressor
Series	LQ Series
Size	Large Frame
Displacement	11.9 cc/rev
Refrigerant	R600a
Improvement order	Cu Wire
Rated voltage	220-240 V
Frequency	50 Hz
Motor type	RSCR, PTC
Application	LBP, Middle & Large size refrigerator, freezer & Showcase
Evaporating temperature	-23.3°C
Condensing temperature	54.4°C
Ambient temperature	32.2°C

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Voltage/ Frequency	Model	Disp. (cc/rev)	PERFORMANCE										ELECTRICAL PARTS				Oil Charge (cc)	
			Aehrae					Gsonaf					Starting Device	Motor Protection	Capacitor			
			Capacity (-23.3°C)			Consumption Power (w)	COP (W/W)	Capacity (-25°C)			Consumption Power (w)	COP (W/W)			Type	Starting (MFVAC)		Running (MFVAC)
			kcal/h	w	Btu/h			kcal/h	w	Btu/h								
220-240/50	MF57NAEM	5.7	86	100	341	51	1.96	64	74	253	49	1.52	ePTORSOR					220
	MF62NAEM	6.2	97	113	386	57	1.99	72	84	286	54	1.55	ePTORSOR	PTIHM20MD	4TM129KFB	-	4400	220
	MF69NAEM	6.9	108	126	430	63	1.99	80	93	319	60	1.55	ePTORSOR			-		220
	MF82NAEM	8.2	136	158	539	80	1.98	101	117	400	76	1.54	ePTORSOR			-		220
	MF88NAEM	8.8	146	170	580	86	1.98	108	126	430	82	1.54	ePTORSOR			-		220
	MF98NAEM	9.8	162	188	642	95	1.98	120	139	475	90	1.54	ePTORSOR	PTIHM30MD	4TM174TFB	-	4400	220
	MF108NAEM	10.8	176	205	700	105	1.95	131	152	518	100	1.52	ePTORSOR	PTIHM30MD	4TM174TFB	-	5400	220
	MF57NAEM	5.7	86	100	341	53	1.90	64	74	253	50	1.48	PTORSOR			-		220
	MF62NAEM	6.2	97	113	386	58	1.94	72	84	286	55	1.51	PTORSOR	P220MD	4TM129KFB	-	4400	220
	MF69NAEM	6.9	108	126	430	65	1.94	80	93	319	62	1.51	PTORSOR			-		220
	MF82NAEM	8.2	136	158	539	81	1.94	101	117	400	78	1.51	PTORSOR			-		220
	MF88NAEM	8.8	146	170	580	88	1.94	108	126	430	83	1.51	PTORSOR			-		220
	MF98NAEM	9.8	162	188	642	96	1.95	120	139	475	92	1.52	PTORSOR	P330MD	4TM174TFB	-	4400	220
	MF108NAEM	10.8	176	205	700	107	1.92	131	152	518	102	1.49	PTORSOR	P330MD	4TM174TFB	-	5400	220
	MF57NAEM	5.7	86	100	341	56	1.80	64	74	253	53	1.40	PTORSOR			-		220
	MF62NAEM	6.2	97	113	386	63	1.80	72	84	286	60	1.40	PTORSOR			-		220
	MF69NAEM	6.9	108	126	430	70	1.80	80	93	319	67	1.40	PTORSOR			-		220
	MF82NAEM	8.2	136	158	539	88	1.80	101	117	400	84	1.40	PTORSOR			-		220
	MF88NAEM	8.8	146	170	580	94	1.80	108	126	430	90	1.40	PTORSOR			-		220
	MF98NAEM	9.8	162	188	642	104	1.80	120	139	475	99	1.40	PTORSOR			-		220
	MF108NAEM	10.8	176	205	700	114	1.80	131	152	518	108	1.40	PTORSOR			-		220
	LQ119NAEM	11.9	195	227	775	121	1.88	144	168	574	115	1.46	ePTORSOR	PTIHM30MD	4TM168NFB	-	5400	310
	LQ125NAEM	12.5	208	242	826	129	1.88	154	179	611	123	1.46	ePTORSOR			-		310
LQ140NAEM	14.0	228	265	905	142	1.87	169	196	669	135	1.45	ePTORSOR	PTIHM30MD	4TM265RFB	-	5400	310	
LQ119NAEM	11.9	195	227	775	122	1.86	144	168	574	116	1.45	PTORSOR	P330MD	4TM168NFB	-	5400	310	
LQ125NAEM	12.5	208	242	826	130	1.86	154	179	611	124	1.44	PTORSOR			-		310	
LQ140NAEM	14.0	228	265	905	143	1.85	169	196	670	137	1.44	PTORSOR	P330MD	4TM265RFB	-	5400	310	

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