

Mbsm.pro, Compressor, LG, FMA102NAMA, inverter, 1/4 hp, LBP, F: Linear, Medium, C Generation, 10.2 cc/rev, Cuivre Wire, R600a, 220-240V, 50 / 60Hz, A-Control card

Category: Archivation,compressor
written by Lilianne | 7 April 2022



Application : LBP (Low Back Pressure)

SPECIFICATIONS

Refrigerant Model Magnet

R600a

FLC150NAMA Ferrite 220~240 50/60 330 8.7 280 7.9 8.1 8.1 8.1 8.0 38.0

FLD165NAMA Nd 220~240 50/60 350 9.4 230 8.4 8.5 8.5 8.4 8.3 37.5

FLD165NBMA Nd 220~240 50/60 350 9.4 230 8.6 8.7 8.7 8.6 8.5 37.5

FLE165NAMA Ferrite 220~240 50/60 350 9.1 240 8.2 8.2 8.2 8.1 8.0 37.5

FMA088NBMA Nd 220~240 50/60 200 9.3 120 8.4 8.5 8.5 8.6 8.6 37.5

FMA102NAMA Nd 220~240 50/60 220 9.1 150 8.3 8.4 8.4 8.5 8.4 37.5

FMA102NBMA Nd 220~240 50/60 220 9.3 150 8.4 8.5 8.5 8.6 8.5 37.5

FMC088NAMA Nd 220~240 50/60 180 8.2 180 7.6 7.7 7.7 7.6 7.5 37.5

R134a FLD090LANA Nd 100~135 50/60 370 8.6 290 8.0 8.3 8.3 8.4 8.4 39.0

* CCR (Cooling Capacity Ratio) : % Modulation comparing to maximum cooling

capacity

Note 1 : Figures in the table are subject to change without prior notice for performance improvement



Nomenclature

F L C 150 N A M A

Product type

F : Linear

Size

L : Large

M : Medium

Generation code

(A-Z)

Capacity

Displacement

(ex : 150 = 15.0cc/rev)

Operating type

Code	Operating type
V	BLDC
E	E-Control
A	A-Control

Rated voltage & frequency

M : 220-240V, 50 / 60Hz

N : 115-127V, 50 / 60Hz

Improvement order

A/B/C : Cu Wire

H/J : Al Wire

Refrigerants

L : R134a

H : R134a HBP

N : R600A

P : R290a

SPECIFICATIONS

Application : LBP (Low Back Pressure)

Refrigerant	Model	Magnet	Rate		Performance characteristic								Noise dBA
					ASHRAE	AHAM	REF condition						
			Voltage V	Frequency Hz	Capa` [W]	EER	EER						
					CCR*	CCR	CCR	CCR	CCR	CCR	CCR	CCR	
		100%	50-100%	100%	100%	90%	80%	70%	60%				
R600a	FLC150NAMA	Ferrite	220-240	50/60	330	8.7	280	7.9	8.1	8.1	8.1	8.0	38.0
	FLD165NAMA	Nd	220-240	50/60	350	9.4	230	8.4	8.5	8.5	8.4	8.3	37.5
	FLD165NBMA	Nd	220-240	50/60	350	9.4	230	8.6	8.7	8.7	8.6	8.5	37.5
	FLE165NAMA	Ferrite	220-240	50/60	350	9.1	240	8.2	8.2	8.2	8.1	8.0	37.5
	FMA088NBMA	Nd	220-240	50/60	200	9.3	120	8.4	8.5	8.5	8.6	8.6	37.5
	FMA102NAMA	Nd	220-240	50/60	220	9.1	150	8.3	8.4	8.4	8.5	8.4	37.5
	FMA102NBMA	Nd	220-240	50/60	220	9.3	150	8.4	8.5	8.5	8.6	8.5	37.5
	FMC088NAMA	Nd	220-240	50/60	180	8.2	180	7.6	7.7	7.7	7.6	7.5	37.5
R134a	FLD090LANA	Nd	100-135	50/60	370	8.6	290	8.0	8.3	8.3	8.4	8.4	39.0

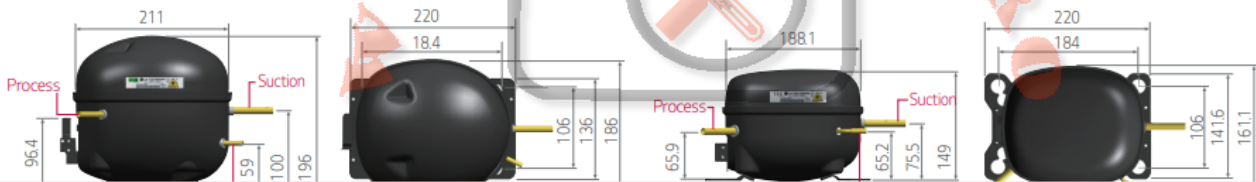
* CCR (Cooling Capacity Ratio) : % Modulation comparing to maximum cooling capacity

Note1 : Figures in the table are subject to change without prior notice for performance improvement.

Note2 :

Test condition	Evaporating temperature	Condensing temperature
ASHRAE	-23.3°C	54.4°C
AHAM	-23.3°C	40.6°C
REF Condition	-26°C	38°C

FLD



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