

Mbsm.pro, Fn Series, Compressor, FN75H, Refrigerator, 1/6HP, R134A, 130W

Category: compressor

written by Lilianne | 26 February 2022



3.Specification

Series	Model	Displacement(cm)	Capacity(w)	Input power(w)	C.O.P	Current(A)	Cooling Type	Motor Type	HP
FN Series 220V-50/60HZ	FN43	4.3	96	103	0.93	0.82	ST	RSIR	1/6-
	FN51	5.1	115	1.07	0.85	ST	RSIR	1/6	
	FN57	5.7	127	1.09	0.97	ST	RSIR	1/6+	
	FN66	6.6	148	1.06	1.1	ST	RSIR	1/5	
	FN77	7.7	176	1.05	1.2	ST	RSIR	1/4-	
	FN86	8.6	180	1.08	1.3	ST	RSIR	1/4+	
	FN91	9.1	195	1.10	1.4	ST/OC	RSIR	1/3	
	FN110	11.0	240	1.1	1.6	ST/OC	RSIR	1/2	
FN Series 240V/50HZ	FN43M	4.3	98	104	0.94	0.83	ST	RSIR	1/6-
	FN51M	5.1	120	1.1	0.84	ST	RSIR	1/6	
	FN57M	5.7	140	1.11	0.96	ST	RSIR	1/6+	
	FN66M	6.6	158	1.08	1.05	ST	RSIR	1/5	
	FN77M	7.7	180	1.1	1.25	ST	RSIR	1/4-	
	FN86M	8.6	190	1.15	1.3	ST	RSIR	1/4+	
	FN91M	9.1	210	1.15	1.32	ST/OC	RSIR	1/3	
	FN110M	11.0	260	1.18	1.35	ST/OC	RSIR	1/2	
FN Series 115V/60HZ	FN43U6	4.3	110	96	1.15	0.8	ST	RSIR	1/6-
	FN51U6	5.1	140	1.15	0.92	ST	RSIR	1/6	
	FN57U6	5.7	154	1.18	1.02	ST	RSIR	1/6+	
	FN66U6	6.6	182	1.2	1.15	ST	RSIR	1/5	
	FN77U6	7.7	205	1.2	1.15	ST	RSIR	1/4-	
	FN86U6	8.6	216	1.18	1.28	ST	RSIR	1/4+	

FN91U6	9.1	237	201	1.18	1.3	ST/OC	RSIR	1/3
FN110U6	11.0	290	242	1.2	1.35	ST/OC	RSIR	1/2
FN Series 110V/60HZ	FN43T6	4.3	122	111	1.1	0.85	ST	RSIR 1/6-
FN51T6	5.1	145	125	1.16	0.93	ST	RSIR	1/6
FN57T6	5.7	155	131	1.18	1.03	ST	RSIR	1/6+
FN66T6	6.6	185	154	1.2	1.25	ST	RSIR	1/5
FN77T6	7.7	210	175	1.2	1.25	ST	RSIR	1/4-
FN86T6	8.6	220	186	1.18	1.3	ST	RSIR	1/4+
FN91T6	9.1	240	196	1.22	1.4	ST/OC	RSIR	1/3
FN110T6	11.0	193	240	1.22	1.35	ST/OC	RSIR	1/2

Product Description

FN Series Refrigerator Compressor 1/6HP R134A 130W

AC Compressor: R134A Hermetic LBP Piston Reciprocating Compressor

Model: FN75H

Power Supply: 220~240V/50Hz

Displacement: 5.7CC

Cooling Capacity: 133W

Rated Power: 125W

Nominal Power: 1/6HP

COP: 1.04 W/W

Motor Type: RSIR

Starting relay: PTC

Cooling Type: S

Application: LBP

Certification: CE

1X20'FCL: 1920PCS

Application:

LBP: Low back pressure; Refrigerator, Freezer, Wine cooler

MBP: Medium Back Pressure; Air-conditioner, vending machine

HBP: High Back Pressure; Air-conditioner, ice maker

LBP ASHRAE Test Condition:

Evaporation Temperature: -23.3 °C

Condensing Temperature: 54.4 °C

Subcooling Temperature: 32.2 °C

Ambient Temperature: 32.2 °C

MBP ASHRAE Test condition:

Evaporation Temperature: -5 °C

Condensing Temperature: 54.4 °C

Ambient Temperature: 35 °C

Subcooling Temperature: 46.1

Suction Temperature: 35 °C

HBP ASHRAE Test condition:

Evaporation Temperature: 7.2 °C

Condensing Temperature: 54.4 °C

Ambient Temperature: 35 °C

Subcooling Temperature: 46.1 °C

Suction Temperature: 35 °C

Parameter Variation Range:

Cooling Capacity: $\geq 95\%$

Input Power: $\leq 115\%$

Current: $\leq 110\%$

COP: $\geq 95\%$

Cooling Type:

S: Natural cooling

F1: Fan cooling, 200mm fan diameter, 1.5m/s air speed

F2: Fan cooling, 200mm fan diameter, 3m/s air speed

Model	Displ. (cm ³)	Motor	Cooling	Capacity (W)	Input Power (W)	Rated Current (A)	COP (W/W)	VOL/FRE V/Hz
FN43H	4.3	RSIR	S	120	100	0.85	1.2	220/50
FN57H	5.7	RSIR	S	138	114	0.9	1.22	220/50
FN66H	6.6	RSIR	S	165	135	1.15	1.23	220/50
FN77H	7.7	RSIR	S	190	154	1.3	1.24	220/50
FN91H	9.1	RSIR	S/F	212	180	1.4	1.26	220/50
FN110H	11	RSIR	F	284	230	1.6	1.23	220/50
FN128H	12.8	RSIR	F	320	256	2	1.25	220/50
FN142H	14	CSIR	F	348	276	2.2	1.26	220/50

Test Conditions:

1Evaporating Temp.= -23.3 -10F

2Ambient Temp.=32.290F

3Condensing Temp.=54.4130F

4Suction Temp.=32.290F

Tolerance of performance data:

1Capacity $\geq 95\%$

2Input Power $\leq 115\%$

3Current $\leq 110\%$

4COP $\geq 93\%$

Cooling Type:

SStatic Cooling

FFan Cooling

HR134a Refrigerant

LLBP

The compressor is the same with refrigeration implement which usually include refrigerator, refrigeration deepfreeze, kitchen refrigeration, display case, revelation tank, dehumidify appliance etc. The main feature: light compact, high efficiency, good reliability, low noise vibratio



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