



# Ducted Blower Split Systems



## R410A High Static Ducted Type - FBHN100HBV1X / FBHN125HBY1C

MODEL		INDOOR UNIT		FBHN100HBV1X	FBHN125HBY1C
		OUTDOOR UNIT		RVN100HMHY1C	RVN125HMHY1C
TOTAL COOLING CAPACITY			Btu/hr	100,000	125,000
			W	29,308	36,635
TOTAL INPUT POWER			W	10,000	11,350
TOTAL RUNNING CURRENT - 3Ø			A	17.1	19.7
EER			Btu/hr/w	10.00	11.01
POWER SOURCE			V/Ph/Hz	380-415/3/50	
REFRIGERANT CONTROL (EXPANSION DEVICE)				INDOOR TXV + CAPTUBE	
CONTROL	OPERATION			WITHOUT CONTROLLER	
INDOOR FAN	AIR FLOW	HIGH	l/s / CFM	1416 / 3000	1770 / 3750
	TYPE			CENTRIFUGAL	
	QUANTITY			2	1
	MATERIAL			METAL	
	DRIVE			DIRECT	BELT DRIVEN
	DIAMETER		mm/in	254 / 10	381 / 15
	LENGTH		mm/in	203 / 8	381 / 15
	EXTERNAL STATIC PRESSURE (WITHOUT FILTER)		Pa / in.wg.	175 / 0.7	200 / 0.8
SOUND PRESSURE LEVEL			dBA	55	53
OUTDOOR FAN	AIR FLOW		l/s / CFM	3021 / 6400	3257 / 6900
	TYPE			PROPELLER	
	QUANTITY			1	
	MATERIAL			PLASTIC	
	DRIVE			DIRECT	
	DIAMETER		mm/in	681 / 26.8	681 / 26.8
SOUND PRESSURE LEVEL			dBA	65	65
INDOOR FAN MOTOR	TYPE			INDUCTION	
	QUANTITY			2	1
	INDEX OF PROTECTION (IP)			IP20	IP55
	INSULATION GRADE			F	
	POWER SOURCE		V/Ph/Hz	220-240/1/50	380-415/3/50
	RATED INPUT POWER		W	1350	1060
	RATED RUNNING CURRENT		A	5.76	2.46
	MOTOR OUTPUT		W	360 X 2	1500
POLES			4	4	
OUTDOOR FAN MOTOR	TYPE			INDUCTION	
	QUANTITY			1	
	INDEX OF PROTECTION (IP)			IP55	
	INSULATION GRADE			F	
	POWER SOURCE		V/Ph/Hz	220-240/1/50	
	RATED INPUT POWER		W	750	820
	RATED RUNNING CURRENT		A	3.28	3.59
	MOTOR OUTPUT		W	580	680
POLES			6		
CONDENSATE DRAIN SIZE		mm/in	34 / 1.34		
PIPE CONNECTION	TYPE			BRAZED	
	SIZE	LIQUID	mm/in	12.70 / ½	
		GAS	mm/in	25.40 / 1.0	28.58 / 1 ¼
REFRIGERANT CHARGE			kg/lb	3.40 / 7.5	4.80 / 10.6

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.

3) NOMINAL COOLING CAPACITY ARE BASED ON THE CONDITIONS BELOW :

COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR

4) SOUND PRESSURE LEVELS ARE MEASURED IN SOUND ROOM. SOMEHOW DURING ACTUAL OPERATION,

THE SOUND PRESSURE LEVEL WILL BE HIGHER AS A RESULT OF AMBIENT CONDITION.

5) FOR DIFFERENT INDOOR/OUTDOOR AIR THROW, KINDLY REFER TO OUR NETWORK DEVELOPMENT EXECUTIVES/REPRESENTATIVES.

## R410A High Static Ducted Type - FBHN100HBV1X / FBHN125HBY1C (Cont'd)

MODEL		INDOOR UNIT		FBHN100HBV1X	FBHN125HBY1C
		OUTDOOR UNIT		RVN100HMHY1C	RVN125HMHY1C
INDOOR COIL	TUBE	MATERIAL		INNER GROOVE	
		DIAMETER	mm/in	7 / 0.28	7 / 0.28
	FIN	MATERIAL		ALUMINIUM	
		FACE AREA	m <sup>2</sup> /ft <sup>2</sup>	0.6 / 6.45	0.94 / 10.1
		ROW		3	3
		FIN PER INCH		18	18
OUTDOOR COIL	TUBE	MATERIAL		ALUMINIUM	
	FIN	MATERIAL		ALUMINIUM	
		FACE AREA	m <sup>2</sup> /ft <sup>2</sup>	1.41 / 15.18	1.61 / 17.33
		ROW		1	
		FIN PER INCH		21	
COMPRESSOR	TYPE			SCROLL	
	OIL TYPE			POE	
	OIL AMOUNT		cm <sup>3</sup> / fl.oz.	2513 / 85	3253.1 / 110
	INSULATION GRADE			B	
	POWER SOURCE		V/Ph/Hz	380-415/3/50	
	RATED INPUT POWER		W	7900	9470
	RATED RUNNING CURRENT		A	14.10	16.0
	LOCKED ROTOR AMP.		A	139	144
INDOOR UNIT	UNIT DIMENSION	HEIGHT	mm/in	553 / 21.8	776 / 30.6
		WIDTH	mm/in	1402 / 55.2	1540 / 60.6
		DEPTH	mm/in	605 / 23.8	850 / 33.5
	PACKING DIMENSION	HEIGHT	mm/in	700 / 27.6	920 / 36.2
		WIDTH	mm/in	1522 / 59.9	1783 / 70.2
		DEPTH	mm/in	880 / 34.6	1184 / 46.6
	WEIGHT		kg/lb	84 / 185.2	159 / 351
OUTDOOR UNIT	UNIT DIMENSION	HEIGHT	mm/in	1067 / 42.0	1067 / 42.0
		WIDTH	mm/in	880 / 34.6	980 / 38.6
		DEPTH	mm/in	880 / 34.6	980 / 38.6
	PACKING DIMENSION	HEIGHT	mm/in	1231 / 48.5	1231 / 48.5
		WIDTH	mm/in	1030 / 40.6	1130 / 44.5
		DEPTH	mm/in	1058 / 41.7	1158 / 45.6
	WEIGHT		kg/lb	135 / 298	157 / 346
CASING	MATERIAL			ELECTRO GALVANIZED MILD STEEL	
AIR QUALITY	FILTER	TYPE		FILTER (OPTIONAL)	
		QUANTITY		2	2
		RAIL SIZE	LENGTH	mm/in	618 / 24.3
			WIDTH	mm/in	437 / 17.2
			THICKNESS	mm/in	46 / 1.8

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