



# NNCP144JN

## 12 RT/42 kW



The YANMAR Variable Refrigerant Flow (VRF) natural gas heat pump system provides a flexible way to efficiently heat and cool many different types of buildings. By using natural gas to power a YANMAR gas engine, YANMAR's VRF system is able to reduce electrical costs by 90% and lower average operating costs by 30% over a standard electric system.



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Model		NNCP144JN	
Capacity	Cooling	Nominal Tons	12
		KW	42
	Heating	BTU	156,000
		kW	46
	Low Temp/ Cold Temp Heating	BTU	164,000
		kW	48
Outdoor Unit	Number of Pipes	#	2
Indoor Unit (IDU) Connections	IDU Total Capacity	%Min - %Max	60-160
	Max Number of Connectable IDU	#	24
Electrical	Power Supply Voltage (Frequency)	V (HZ)	208/230/240 (60) Single Phase
	Operating Current for Cooling/Heating	A/A	3.98/3.53
	Power Consumption for Cooling/Heating	kW/kW	0.89/0.79
Fuel Consumption HHV	Natural Gas for Cooling	BTU/Hr. (kW)	119,000 (34.9)
	Natural Gas for Heating	BTU/Hr. (kW)	117,000 (34.3)
Sound Level	Normal/Quiet Mode	dB(A)	57/54
Fans	Number of Units	#	2
	Rated Air Flow	cfm (m3 / min)	12,713 (360)
Pipe Size Data	Refrigerant Suction Line	in. (mm.)	1.125 (28.6)
	Refrigerant Liquid Line	in. (mm.)	.5 (12.7)
	Natural Gas Fuel Pipe Thread & Size	NPT	3/4
Dimensions	Height	in. (mm.)	85.44 (2,170.1)
	Width	in. (mm.)	66.56 (1,690.7)
	Depth	in. (mm.)	31.5 (800.1)
	Weight	lb. (kg.)	1,896 (860)
Refrigerant	Type	-	R410(A)
	Charge	lb. (kg.)	26 (11.8)
Operating Range	Cooling	°F (°C)	14 to 115 (-10 to 46.1)
	Heating	°F (°C)	-4 to 95 (-20 to 35)
Standard Limited Warranty	Condensing Unit*	Years/Hours	5/20,000 Parts** 1/4,000 Labor 7/28,000 Compressor
	Fan Coil Unit and Indoor Accessories	-	1 Year Parts

\* Provided that all scheduled maintenance is completed according to the VRF Condensing Unit's limited warranty statement. Offerings based on year or hours, whichever comes first.

\*\* Excludes compressor

NOTE: Due to YANMAR's ongoing commitment to quality, specifications, ratings and dimensions subject to change without notice. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be in accordance with current specifications, ratings and dimensions and be performed by a qualified installer and servicing agency.