



31VA Series  
XFINITY ENPRO ULTRA 12  
R410A Split System Cooling



ISO 14001

ISO 9001

# SPECIFICATIONS | 60Hz

## 31VA Series

XFINITY Enpro Ultra 12

Top Discharge Outdoor Unit

R410A Split System Cooling

Cooling : 24,000-60,000 Btuh (7.0 - 17.5 kW)

### OUTDOOR UNIT FEATURES

- ROTARY Compressor for 2 & 3 Ton Models
- SCROLL Compressor for 4 & 5 Ton Models
- 24 Volt Low Voltage Control Circuit
- HIGH EFFICIENCY Coils
- Groved Copper Tubes & Hydrophilic Louvered Fins
- DURABLE CABINET with protective coating
- Sweat Service Valves
- Crank Case Heater for Compressor

#### Notes:

- Nominal capacities are based on ARI standards 210 / 240 - 89, air entering the indoor coil for cooling at 80/67 ° F (27/19 ° C) , DB/WB indoor & 95 ° F (35 ° C) ambient temperature, operating at high fan speed for 220-240 volt, 60 Hz operation.
- Ratings are based on indoor and outdoor units connected by 25 ft (7.6 m) of tubing.
- Refrigerant metering device is installed in the indoor unit as standard.
- Sweat service valves are provided for refrigerant pipe connection.
- Insulation of suction line only is required.
- Outdoor units are shipped with full operating charge.
- For details of model number nomenclature, please refer to publication DCTNOM-50314

PHYSICAL DATA								
MODEL NO.	31VA	024C	036C	048C	060C			
		24-070DLC	24-105DHC	24-140DSC	24-175DSC			
Cooling Capacity (Nominal)	Btuh (kw)	24000 (7.0)	36000 (10.5)	48000 (14.0)	60000 (17.5)			
Efficiency - SEER	Btuh/w (w/w)	12.0 (3.5)						
Compressor Type:		Rotary		Scroll				
Condenser Coil Type:		Grooved Copper Tubes - Hydrophilic louvered Fin						
O U T D O O R  U N I T	Fan	Quantity	1	1	1	1		
		Noise Level	59	60	63	63		
		Motor	HP	1/6	1/6	1/4	1/4	
E L E C T R I C A L	Electrical	Voltage	208-230/1/60					
		Range (min-max)	min 187 - max 253					
		Fan Motor	FLA	1.2	1.2	1.7	1.7	
		Compressor	RLA	10.5	15.1	22.3	25.8	
			LRA	53	64	139	139	
		Cooling Power Input Nominal (W)		2598	3442	4520	5708	
		Minimum Circuit Amps (MCA)		14.3	20.1	29.6	34	
		Max. Fuse Amps (MFA- MOCP)		20	30	50	50	
R E F R I G E R A N T	Refrigerant Connections inches (mm)	Type	Sweat					
		Liquid	3/8 (10)	3/8 (10)	3/8 (10)	1/2 (13)		
		Suction	5/8 (15.88)	3/4 (19)	7/8 (22)	7/8 (22)		
D I M E N S I O N S	Dimensions inches (mm)	Refrigerant	R410A	Oz. (Kgs)	56.4 (1.6)	67 (1.9)	77.6 (2.2)	105.8 (3.0)
		Height		24 (610)	24 3/8 (620)	28 7/8 (735)	28 7/8 (735)	
		Width		21 1/2 (546)	24 (610)	28 (710)	28 (710)	
	Depth		21 1/2 (546)	24 (610)	28 (710)	28 (710)		
	Net Weight Lbs (Kgs)		105.8 (48)	132.3 (60)	172.0 (78)	176.4 (80)		



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