



## 26WD Series INSPIRE ULTRA 20 Hi Wall Inverter Systems



All Systems Include Electronic Expansion Valves  
All Systems Include Copper/Copper Tubing Kit

# SPECIFICATIONS | 60Hz

**26WD Series INSPIRE Ultra 20**  
**High Wall Inverter Systems**  
**Split System Cooling Unit**  
**Cooling : 3,100-36,000 Btuh (0.9 - 10.5 kW)**  
**ETL & AHRI Listed**

## INDOOR UNIT FEATURES

- ✓ WIRELESS LCD Remote Control
- ✓ AUTO setting for Cooling, Dehumidifying, Fan
- ✓ AUTO RESTART
- ✓ TIMER.
- ✓ SLEEP Mode
- ✓ AUTO SWING ( Vertical )
- ✓ TURBO Cooling Function
- ✓ LED Display
- ✓ Cleanable Cartridge Filters
- ✓ EASY CONNECT Flare Connections

## OUTDOOR UNIT FEATURES

- ✓ DC INVERTER ROTARY Compressor
- ✓ SUPER QUIET Operation
- ✓ Up to 20.0 SEER in Cooling Mode.
- ✓ High Efficiency Cooling
- ✓ LOW VOLTAGE Start Up
- ✓ SOFT START
- ✓ HIGH EFFICIENCY Coils
- ✓ DURABLE CABINET with protective coating
- ✓ SELF DIAGNOSTICS
- ✓ 3 TONS MODEL is Heat Pump

### Notes:

1. 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.
2. Ratings are based on indoor and outdoor units connected by 16 ft (5 m) of tubing.
3. Refrigerant metering device is installed in the outdoor unit as standard.
4. Flare fittings are provided for connecting indoor and outdoor units.
5. Insulation of both liquid and suction line is required.
6. Outdoor units are shipped with full operating charge.
7. For details of model number nomenclature, please refer to publication DCTNOM-50314

PHYSICAL DATA							
MODEL NO.	26WD		012 I	018 I	024 I	036J	
			24-035DWK	24-053DWI	24-070DWI	24-105DWG	
Cooling Capacity Btuh (kw)	Rated		12,000 (3.52)	18,000 (5.28)	21,400 (6.27)	33,600 (9.85)	
	Minimum		3,100 (0.91)	5,970 (1.75)	9,600 (2.81)	7,400 (2.53)	
	Maximum		13,000 (3.81)	22,350 (6.56)	25,000 (7.33)	36,000 (10.5)	
Efficiency - SEER	Btuh/w (w/w)		20.0 (5.9)	18.0 (5.3)	18.0 (5.3)	16.0 (4.7)	
Application Area	sqft (m2)		170-280 (16-26)	250-470 (23-44)	290-600 (27-55)	480-800 (45-75)	
Dehumidification Amount	Pt/h (L/h)		2.96 (140)	3.80 (180)	5.28 (2.50)	7.40 (3.50)	
Refrigerant Control	Electronic Expansion Valve @ Outdoor Unit						
Fan	Type	Cross Flow Fan					
	Speed		4	4	4	3	
	Air Flow CFM (m³/hr) - Hi		335 (570)	500 (850)	588 (1000)	824 (1400)	
	Noise Level (dbA) Hi/Lo		44/33	49/35	53/37	59/53	
	Motor (Amps)		0.20	0.32	0.24	0.47	
Motor (Watts)		20	20	60	60		
Coil Type:	Grooved Copper Tubes - Aluminum Blue Slit Fin						
Power Supply Mode	Outdoor Unit						
Electrical	Voltage	208/230-160					
	Range	min 187 - max 253					
	FLA		0.20	0.32	0.24	0.47	
Air Filter	Cleanable Cartridge Type						
Controls	LCD Wireless Remote Control						
Refrigerant Connections inches (mm)	See Outdoor Unit Data						
Drain Connections inches (mm)	5/8 (16)						
Dimensions inches (mm)	Height		10 7/8 (275)	11 3/4 (298)	12 3/8 (315)	12 7/8 (326)	
	Width		33 1/4 (845)	37 (940)	39 5/8 (1007)	53 1/8 (1350)	
	Depth		7 1/8 (180)	7 7/8 (200)	8 5/8 (219)	10 (253)	
Net Weight lbs (kgs)	22.1 (10) 28.7 (13) 30.9 (14) 44.1 (20)						
MODEL NO.	35HD		012 I	018 I	024 I	036J	
				24-035DMK	24-053DMI	24-070DMI	24-105DMG
Compressor Type	DC Inverter Rotary						
Outdoor Fan	No of Fans	1					
	Noise Level (dbA)	52 56 58 65					
Coil Type:	Grooved Copper Tubes - Aluminum Slit Fin						
Electrical	Voltage	208/230-160					
	Range (min-max)	min 187 - max 253					
	Compressor RLA		3.2	4.1	4.9	13.5	
	Power Input Nominal (W)		1,000	1,500	1,780	3,650	
	Power Input Min-Max (W)		365-1,080	300,2650	500-2,650	450,3800	
	Minimum Circuit Amps (MCA)		4.33	5.73	7.5	15.9	
Max. Fuse Amps (MOCP)		15	15	15	30		
Refrigerant R410 ( oz./kgs.)	45.9 / 1.30 49.4 / 1.40 56.5/ 1.60 91.7 / 2.60						
Refrigerant Connections inches (mm)	Type	Flare					
	Liquid		1/4 (6)	1/4 (6)	1/4 (6)	1/4 (6)	
Suction		3/8 (10)	1/2 (12)	5/8 (16)	5/8 (16)		
MAXIMUM Pipe Distance Ft. (m)	Height		33 (10)	33 (10)	33 (10)	33 (10)	
	Length		66 (20)	82 (25)	82 (25)	82 (25)	
Dimensions inches (mm)	Height		23 1/4 (590)	27 1/2 (700)	31 1/8 (790)	31 1/8 (790)	
	Width		28 (710)	37 5/8 (955)	38 5/8 (980)	38 5/8 (980)	
	Depth		12 5/8 (320)	15 5/8 (396)	16 7/8 (427)	16 7/8 (427)	
Net Weight lbs (kgs)	68.3 (31) 99.2 (45) 112.4 (51) 161.0 (73.2)						



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