



Diamond Imperial

Maximum efficiency

- Ducted indoor unit, the perfect and effective solution for residential and light commercial applications
- One indoor unit instead of a few split units
- Humidity reduction during summertime
- Various operating options:
 - From the wall-mounted weekly display (currently in development phase)
 - By wireless remote controller
 - Through Tac 777 central control system
- High Static Pressure

- Turbo jet
- Low noise level
- Auto restart
- 175V
- Low voltage start up
- Sleep mode function
- Intelligent defrosting
- Self-Diagnosis
- I feel
- Three time zones



- Auto restart (after power failure)
- Electro-mechanical dampers to maintain the various temperatures in different rooms for individual convenience (zone control)
- Thermistor control for anti-ice and de-frost
- Electric heater to increase heating (optional)
- Drain pump (optional)
- Extended piping length (up to 50 m) and piping height (up to 30m)
 - for specific models
- V-shape coil to increase efficiency
- Two drainage methods

Model	50Hz	ANG 28H	ANG 32H/323H	ANG 36H/363H	ANG 423H	ANG463H	ANG543H
Capacity							
Cooling	Btu/h	27,500	31,700	34,600	41,700	44,800	54,000
	Kcal/h (Watt)	6,940 (8,060)	8,000 (9,290)	8,730 (10,140)	10,530 (12,220)	11,310 (13,130)	13,630 (15,830)
Heating	Btu/h	29,000	33,000	36,000	44,000	49,000	58,000
	Kcal (Watt)	7,320 (8,500)	8,330 (9,670)	9,070 (10,550)	11,100 (12,900)	12,370 (14,360)	14,640 (17,000)
Power consumption cooling	Watt	2,870	3,380	3,760	4,490	5,030	6,060
Power consumption heating	Watt	2,740	3,210	3,500	4,440	4,750	5,630
Operating current cooling/heating	Amp. -1ph	13.0/12.2	15.0/14.7	16.9/15.9			
	-3ph		6.9/5.6/5.6 / 6.2/5.1/5.1	8.0/5.4/5.4 / 7.2/4.6/4.6	11/1/6.6/6.6 / 10.0/6.1/6.1	12.0/7.6/7.6 / 11.1/6.3/6.3	15.1/8.4/8.4 / 13.2/7.4/7.4
COP	Cool	2.81	2.75	2.70	2.72	2.61	2.61
COP	Heat	3.10	3.01	3/01	2.91	3.02	3.02
Moisture removal	L/H	2.7	3.2	3.8	3.6	3.7	4.0
Power supply	V ,Hz, Ph	220/240V, 50Hz, 1ph	220/240V, 50Hz, 1ph or 380/415V, 50Hz, 3ph	220/240V, 50Hz, 1ph or 380/415V, 50Hz, 3ph	380/415V, 50Hz, 3ph	380/415V, 50Hz, 3ph	380/415V, 50Hz, 3ph
Maximum piping length	mm(inch)	30 (98)	30 (98)	30 (98)	50 (163)	50 (163)	50 (163)
Maximum height difference*	m (ft.)	20(66)	20(66)	20(66)	30(98)	30(98)	30(98)
Indoor unit	50HZ						
Dimensions LxHxD	mm	650x385x670	650x385x670	650x385x670	860x385x670	960x385x670	960x385x670
	inch	25 19/32x15 5/32x26 3/8	25 19/32x15 5/32x26 3/8	25 19/32x15 5/32x26 3/8	33 55/64x15 5/32x26 3/8	37 51/64x15 5/32x26 3/8	37 51/64x15 5/32x26 3/8
Air flow (Turbo/High/Low)	M ³ /h	1,565/1,445/1,240	1,565/1,445/1,240	2,000/1,445/1,240	2,970/2,720/2,410/2,040	2,630/2,350/2,070	3,690/3,400/2,980/2,550
	cfm	920/850/730	920/850/730	1,180/850/730	1,750/1,600/1,420/1,200	1,550/1,380/1,220	2,170/2,000/1,750/1,500
Noise level (Turbo/High/Low)	dB(A)	36/32/30	36/32/30	36/32/30	38/37/34	38/37/34	38/37/34
Max. static pressure H ₂ O	mm (inch)	7.5(0.3)	7.5(0.3)	10(0.4)	10. (0.4)	12.5(0.5)	12.5(0.5)
Net weight	Kg. (Lb.)	34(75)	34(75)	34(75)	42(92.4)	47,(103.4)	47,(103.4)
Outdoor unit	50HZ						
Dimensions LxHxD	mm	1,100x640x320	1,100x640x320	1,140x640x400	1,140x640x400	1,140x856x400	1,100x1,280x320
	inch	43 5/16x25 3/16x12 19/32	43 5/16x25 3/16x12 19/32	44 7/8x25 3/16x15 3/4	44 7/8x33 5/8x15 3/4	44 7/8x33 5/8x15 3/4	43 5/16x50x3/8x12 19/32
Air flow (Turbo/High/Low)	M ³ /h	3,910/2,550	3,910/2,550	3,910/2,550	3,910/2,550	3,910/2,550	7,820/5,100
	cfm	2,300/1,500	2,300/1,500	2,300/1,500	2,300/1,500	2,300/1,500	4,600/3,000
Noise level (Turbo/High/Low)	dB(A)	54/51	54/51	54/51	54/51	54/51	56/53
Net weight	Kg. (Lb.)	72(158)	75(165)	90(198)	90 (198)	90 (198)	110 (242)
Fittings	Type	Flare	Flare	Flare	Flare	Flare	Flare

Specifications and performance data are subject to change without prior notice.

New product