TCL AIR CONDITIONER

LIGHT COMMERCIAL

High Efficiency and Energy Saving

Full DC Design

DC inverter compressor and motor ensures increased energy savings and reliability of the system.

Smart Defrosting

Precision defrost sensor accurately determines defrost cycle duration allowing the system to provide heat when you need it most.

Wide Temperature Operation

Standard base pan heater ensures reliable heating operation down from -13°F to 75°F and cooling from 5°F to 136°F.

Refrigerant Leakage Alarm

If a refrigerant leak occurs, the unit will shut down to prevent further damage to the system.

Single Zone Universal Outdoor - Elite 20 Series

MODEL NUMBER			H09SEH19XAC	H12SEH19XAC	H18SEH19XAC	H24SEH19XAC
System Type			Heat Pump			
SYSTEM PERFORMANCE			SEE INDIVIDUAL INDOOR UNIT SPECIFICATION			
ELECTRICAL						
Power Supply			208 -230V / 1Ph / 60Hz			
Voltage Range (Min - Max)		V	165 - 265			
Rated Current	Cooling	A	3.4	4.8	7	9.4
	Heating	A	3.4	4.8	6.8	8.2
Min. Circuit Ampacity - MCA		A	10	11	12	17
Max. Circuit Breaker (MOPA)		A	15	15	20	25
Max. FUSE Size		A	15	15	20	25
Main Power Wire Size		AWG	Per Local Code			
Connection Wiring		AWG	16AWG*4 Stranded, unshielded, TC-ER Type			
Commiunication Protocal Btwn. IDU & ODU			Current Loop			
REFRIGERANT PIPING						
Refrigerant Type / Charged		oz	R454b / 23.28	R454b / 30.34	R454b / 35.27	R454b / 45.15
Pre-Charge Length Total		ft (m)	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)
Additional Charge		oz/ft	0.11	0.11	0.11	0.11
Design Pressure		PSIG	725	725	725	725
Line Set Size (Liquid - Gas)		in	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2
Line Set Length (Min - Max)		ft (m)	10 - 65 (3 - 20)	10 - 65 (3 - 20)	10 - 82 (3 - 25)	10 - 98 (3 - 30)
Max. Lineset Elevation		ft (m)	33 (10)	33 (10)	50 (15)	65 (20)
OUTDOOR UNIT DATA						
Refrigerant Type			R454b			
Throttle Type			Capillary			
Compressor & Motor Type			INVERTER, DC			
Air Flow		CFM	1,120	1,120	1,430	1,950
Sound Pressure Level		dB(A)	54	55	55	58
Cooling Temperature Range		°F (°C)	5 - 122 (-15 - 50)	5 - 122 (-15 - 50)	5 - 122 (-15 - 50)	5 - 122 (-15 - 50)
Heating Temperature Range		°F (°C)	-4 - 86 (-20 - 30)	-4 - 86 (-20 - 30)	-4 - 86 (-20 - 30)	-4 - 86 (-20 - 30)
External Dimensions (W × H × D)		in	28 3/16 ×11 7/16 × 19 5/8	28 3/16 ×11 7/16 × 19 5/8	30 11/16 × 13 3/4 × 23 13/16	33 1/4 ×14 15/16 × 27 1/2
		mm	715 × 290 × 498	715 × 290 × 498	780 × 349 × 605	845 × 380 × 699
Package Dimensions (W × H × D)		in	33 × 13 5/16 × 21 5/8	33 × 13 5/16 × 21 5/8	35 7/16 × 15 15/16 × 25 13/16	37 13/16 × 16 15/16 × 29 1/2
		mm	838 × 338 × 550	838 × 338 × 550	900 × 405 × 655	960 × 430 × 750
Weight (Net / Gross)		lbs	48.9 / 53.4	55.1 / 59.5	69.9 / 76.5	88.2 / 94.8
		kgs	22.2 / 24.2	25 / 27	31.7 / 34.7	40 / 43
LIMITED WARRANTY			**5 Years Parts, 7 Years Compressor Limited Warranty**			

Single Zone Universal Outdoor - BreezeIN 24 Series

MODEL NUMBER			H09SBH23XPC	H12SBH23XPC	H18SBH22XPC	H24SBH20XPC
System Type			Heat Pump			
SYSTEM PERFORMANCE			SEE INDIVIDUAL INDOOR UNIT SPECIFICATION			
ELECTRICAL						
Power Supply			208-230V / 1Ph / 60Hz			
Voltage Range (Min - Max)		V	165-265			
Rated Current	Coolin	A	3	4.2	6.2	8.3
	Heatin	A	3.3	4	6.1	9
Min. Circuit Ampacity - MCA		A	10	10	12	17
Max. Circuit Breaker (MOPA)		A	15	15	20	30
Max. FUSE Size		A	15	15	20	30
Main Power Wire Size		AWG	Per Local Code			
Connection Wiring		AWG	16AWG*4 Stranded, unshielded, TC-ER Type			
Commiunication Protocal Btwn. IDU & ODU			Current Loop			
REFRIGERANT PIPING						
Refrigerant Type / Charged		oz	R454b / 25.04	R454b / 35.27	R454b / 45.5	R454b / 55.03
Pre-Charge Length Total		ft (m)	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)
Additional Charge		oz/ft	0.11	0.11	0.11	0.11
Design Pressure		PSIG	725	725	725	725
Line Set Size (Liquid - Gas)		in	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	1/4 - 5/8
Line Set Length (Min - Max)		ft (m)	10 ~ 65 (3 ~ 20)	10 ~ 65 (3 ~ 20)	10 ~ 82 (3 ~ 25)	10 ~ 98 (3 ~ 30)
Max. Line Set Elevation		ft (m)	33 (10)	33 (10)	50 (15)	65 (20)
OUTDOOR UNIT DATA						
Refrigerant Type			R454b			
Throttle Type			Capillary			
Compressor & Motor Type			INVERTER, DC			
Air Flow		CFM	1,170	1,170	1,890	2,100
Sound Pressure Level		dB(A)	51	53	54.1	59
Cooling Temperature Range		°F (°C)	5 ~ 133 (-15 ~ 55)	5 ~ 133 (-15 ~ 55)	5 ~ 133 (-15 ~ 55)	5 ~ 133 (-15 ~ 55)
Heating Temperature Range		°F (°C)	-13 ~ 86 (-25 ~ 30)	-13 ~ 86 (-25 ~ 30)	-13 ~ 86 (-25 ~ 30)	-13 ~ 86 (-25 ~ 30)
External Dimensions (W × H × D)		in	31 7/8 × 21 5/8 × 12	31 7/8 × 21 5/8 × 12	36 1/2 x 27 1/2 x 14 15/16	38 1/2 × 31 5/8 × 16 9/16
		mm	810 × 549 × 305	810 × 549 × 305	927x699x380	978 × 803 ×421
Package Dimensions (W × H × D)		in	33 9/16 × 23 5/8 × 14 1/8	33 9/16 × 23 5/8 × 14 1/8	37 13/16 × 28 13/16 × 16	40 1/4 × 32 7/8 × 18 7/8
		mm	852×600 ×358	852×600 ×358	960 ×732 ×430	1022×835×480
Weight (Net / Gross)		lbs	52.7 / 59.7	58.4 / 69.4	86 / 93	105.8 / 120.2
		kgs	23.9 / 27.1	26.5 / 31.5	39 / 42.2	48 / 54.5
LIMITED WARRANTY			**5 Years Parts, 7 Years Compressor Limited Warranty**			

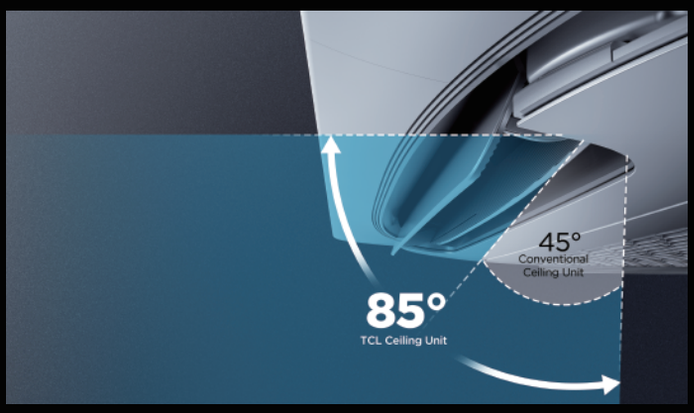
TCL AIR CONDITIONER

CASSETTE

360° Round Flow

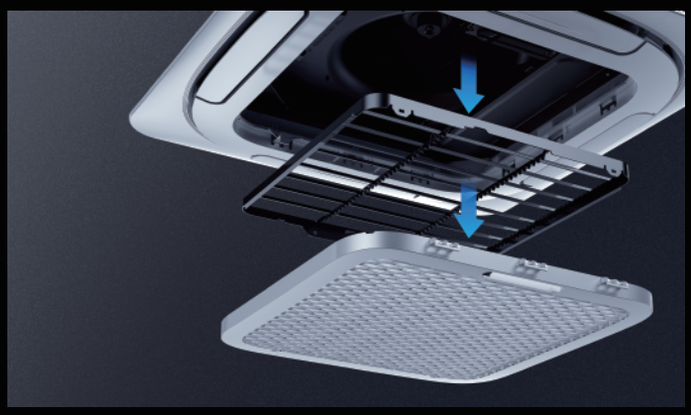
Wide Range of Swing Angle

Vertical louvers adjust from 0-85 degrees, allowing proper airflow to the room.



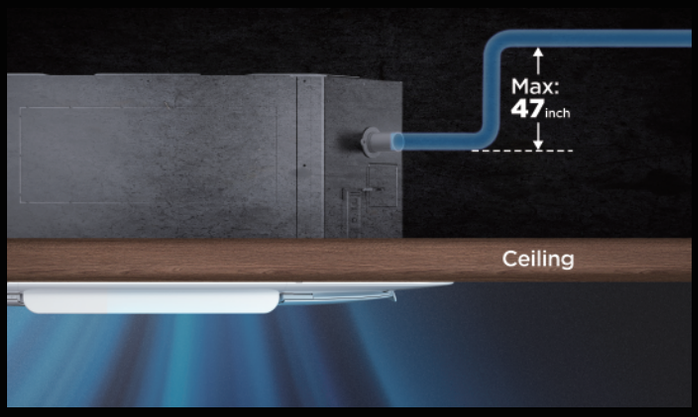
Easy to Clean filter

Easily accessible filter allows for quick maintenance and efficient operation.



47 Inch Lift Pump

Built in pump provides up to 47inch of lift for proper condensate drainage.



Water-filled Protection

Condensate overflow protection shuts down the system to stop water damage before it occurs.

Light Commerial Cassette System - Single Zone (with BreezeIN 24 Series ODU)

MODEL NUMBER - IDU			H09CSHU1XAE	H12CSHU1XAE	H18CSHU1XAE	H24CSHU1XAE
MODEL NUMBER - ODU			**H09SBH23XPC**	**H12SBH23XPC**	**H18SBH22XPC**	**H24SBH20XPC**
System Type			Heat Pump			
SYSTEM PERFORMANCE						
AHRI Certificate			215570370	215570372	215570374	215570376
Cooling at 95°F (35°C)	Capacity (Min - Max)	BTU/h	9,500(2,000-10,400)	12,000(2,000-13,600)	1,6000(6,000-19,400)	23,000(7,500-25,200)
	Rated Input Power	W	750	1,030	1,365	2,000
	Rated Current	A	4.9	6.3	6.3	11.3
	SEER2 / EER2		22 /12	21 / 11.7	20 / 11.7	22 / 11.7
Heating at 47°F (8.3°C)	Capacity (Min - Max)	BTU/h	10000(2,500-12,500)	12000(3,100-12,700)	18000(4,000-18,000)	25000(8,700-28,300)
	Rated Input Power	W	720	1,030	1,640	1,960
	Rated Current	A	4.7	4.7	7.6	11.7
	HSPF2 / COP		10/ 4.2	10 / 3.8	8.5 / 3.2	10 / 3.35
Heating at 17°F (-8.3°C)	Rated Capacity	BTU/H	6,300	7,800	11,000	15,300
Heating at 5°F (-15°C)	Max. Capacity	BTU/h	7,800	9,200	13,400	19,200
	COP		1.95	1.90	1.76	2.00
ENERGY STAR® Certified			YES	YES	YES	YES
Ambient Temperature Range	Cooling	°F (°C)	5 - 133 (-15 - 55)	5 - 133 (-15 - 55)	5 - 133 (-15 - 55)	5 - 133 (-15 - 55)
	Heating	°F (°C)	-13 - 86 (-25 - 30)	-13 - 86 (-25 - 30)	-13 - 86 (-25 - 30)	-13 - 86 (-25 - 30)
ELECTRICAL						
Power Supply			208 -230V / 1Ph / 60Hz			
Voltage Range (Min - Max)			165 - 265			
Min. Circuit Ampacity - MCA		A	10	10	11	15
Max. Circuit Breaker (MOCP)		A	15	15	17	20
Max. FUSE Size		A	15	15	17	20
Main Power Wire Size		AWG	Per Local Code			
Connection Wiring		AWG	16AWG*4 Stranded, unshielded, TC-ER Type			
REFRIGERANT PIPING						
Refrigerant Type / Charged		oz	R454b / 25.04	R454b / 35.27	R454b / 45.5	R454b / 55.03
Pre-Charge Length Total		ft (m)	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)
Additional Charge		oz/ft	0.11	0.11	0.11	0.11
Design Pressure		PSIG	600	600	600	600
Line Set Sized (Liquid - Gas)		in	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8
Line Set Length (Min - Max)		ft (m)	16 - 50 (5 - 15)	16 - 50 (5 - 15)	16 - 65 (5 - 20)	16 - 65 (5 - 20)
Max. Pipe Elevation		ft (m)	33 (10)	33 (10)	49 (15)	49 (15)
INDOOR UNIT DATA						
Indoor Motor Type			DC			
Thermostat type			Wireless Remote Controller with Wi-Fi® & Voice Control			
Air Flow (Tu/Hi/Mi/Lo/Mu)		CFM	329/300/270/217/194	360/320/260/200/190	423/394/335/282/252	836/765/630/530/482
Sound Pressure Level (Tu/Hi/Mi/Lo/Mu)		dB(A)	43/41/37/33/32	45/43/39/35/32	48/46/42/39/37	51/48/44/40/37
External Dimensions (W x H x D)		in	22 7/16 × 9 5/8 × 22 7/16	22 7/16 × 9 5/8 × 22 7/16	22 7/16 × 9 5/8 × 22 7/16	33 1/16 × 10 1/16 × 33 1/16
		mm	570 × 245 × 570	570 × 245 × 570	570 × 245 × 570	840 × 255 × 840
Package Dimensions (W x H x D)		in	28 1/4 × 11 7/8 × 25 7/8	28 1/4 × 11 7/8 × 25 7/8	28 1/4 × 11 7/8 × 25 7/8	36 7/8 × 11 7/16 × 36 7/8
		mm	718 × 301 × 657	718 × 301 × 657	718 × 301 × 657	935 × 290 × 935
Weight (Net / Gross)		lbs	32 / 38.6	32 / 38.6	32 / 38.6	51.8 / 60.6
		kgs	14.5 / 17.5	14.5 / 17.5	14.5 / 17.5	23.5 / 27.5
OUTDOOR UNIT DATA						
Compressor Type			Inverter			
Motor Type			DC			
Throttle type			Capillary			
Air Flow (Max.)		CFM	1,170	1,170	1,890	2,100
Sound Pressure Level		dB(A)	54	56	59	61
External Dimensions (W x H x D)		in	31 7/8 × 21 5/8 × 12	31 7/8 × 21 5/8 × 12	36 1/2 x 27 1/2 x 14 15/16	38 1/2 × 31 5/8 × 16 9/16
		mm	810 × 549 × 305	810 × 549 × 305	927x699x380	978×803 ×421
Package Dimensions (W x H x D)		in	33 9/16 × 23 5/8 × 14 1/8	33 9/16 × 23 5/8 × 14 1/8	37 13/16 × 28 13/16 × 16 15/16	40 1/4 × 32 7/8 × 18 7/8
		mm	852×600 ×358	852×600 ×358	960 ×732 ×430	1022×835×480
Weight (Net / Gross)		lbs	52.7 / 59.7	58.4 / 69.4	86 / 93	104.7 / 125.7
		kgs	23.9 / 27.1	26.5 / 31.5	39 / 42.2	47.5 / 57
PANEL ACCESSORY DATA（Packed Separately)			**Cassette Panel 01**	**Cassette Panel 01**	**Cassette Panel 01**	**Cassette Panel 02**
External Dimensions (W x H x D)		in	25 9/16 × 2 3/8× 25 9/16	25 9/16 × 2 3/8× 25 9/16	25 9/16 × 2 3/8× 25 9/16	37 3/8 × 2 7/8 × 37 3/8
		mm	650 × 60 × 650	650 × 60 × 650	650 × 60 × 650	950 × 73 × 950
Package Dimensions (W x H x D)		in	28 15/16 × 4 5/16 × 28 15/16	28 15/16 × 4 5/16 × 28 15/16	28 15/16 × 4 5/16 × 28 15/16	41 9/16 × 3 9/16 × 41 9/16
		mm	735 × 110 × 735	735 × 110 × 735	735 × 110 × 735	1055 × 90 × 1055
Weight (Net / Gross)		lbs	6 / 9.5	6 / 9.5	6 / 9.5	13.2 / 19.8
		kgs	2.7 / 4.3	2.7 / 4.3	2.7 / 4.3	6 / 9
LIMITED WARRANTY			**5 Years Parts, 7 Years Compressor - Residential**			

TCL AIR CONDITIONER

DUCT

9.65 inch Super Slim

Fresh Air Intake

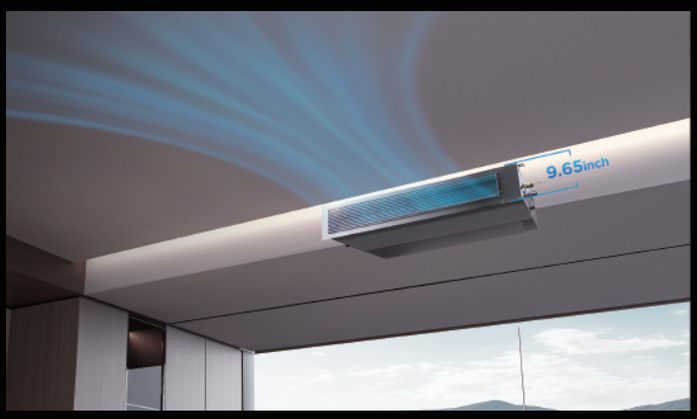
Up to 15% fresh air volume.

Quiet Operation

High efficiency DC fan motor and optimized air duct design enables 35dB quiet operation.

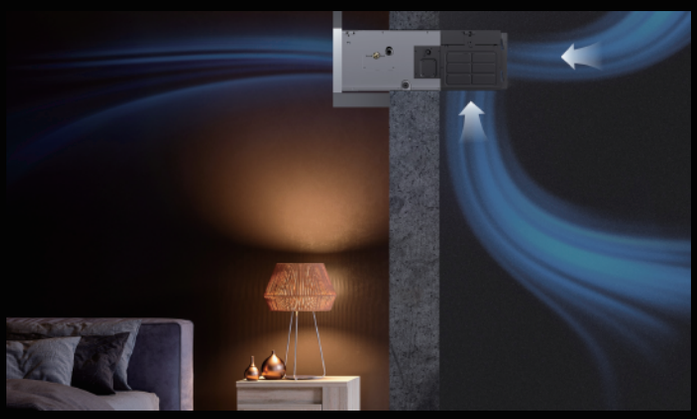
9.65 Inch Ultra-thin Design

The ultra-thin body of 9.65 inch greatly saves the installation area and can match a variety of decoration styles.



Flexible Return Air Intake

Standard built return air box can be mounted for horizontal or bottom return.



Light Commerial Slim Duct System - Single Zone (with BreezeIN 24 Series ODU)

MODEL NUMBER - IDU			H09DTHU1XAE	H12DTHU1XAE	H18DTHU1XAE	H24DTHU1XAE
MODEL NUMBER - ODU			**H09SBH23XPC**	**H12SBH23XPC**	**H18SBH22XPC**	**H24SBH20XPC**
System Type			Heat Pump			
SYSTEM PERFORMANCE						
AHRI Certificate			215570371	215570373	215570375	215570377
Cooling at 95°F (35°C)	Capacity (Min - Max)	BTU/h	9,500 (2,000 - 10,400)	11,000 (2,000 - 12,300)	17,000 (6,000 - 19,400)	22,000 (7,550 - 24,600)
	Rated Input Power	W	750	940	1,450	1,870
	Rated Current	A	4.9	6.2	6.4	11.2
	SEER2 / EER2		20.5 / 12.5	19 / 11.7	21 / 11.7	19 / 11.7
Heating at 47°F (8.3°C)	Capacity (Min - Max)	BTU/h	10,000 (2,500 - 12,300)	12,000 (3,100 - 12,300)	18,000 (4,000 - 21,400)	25,000 (8,700 - 28,500)
	Rated Input Power	W	800	1,030	1,805	2,030
	Rated Current	A	5.2	5.2	8.3	13.3
	HSPF2 / COP		9.5 / 3.7	8.1 / 3.5	8.1 / 2.9	9.5 / 3.45
Heating at 17°F (-8.3°C)	Rated Capacity	BTU/H	6,100	7,500	11,000	15,100
Heating at 5°F (-15°C)	Max. Capacity	BTU/h	7,600	8,900	13,400	19,300
	COP		1.85	1.80	1.78	2.00
ENERGY STAR® Certified			YES	YES	YES	YES
Ambient Temperature Range	Cooling	°F (°C)	5 - 133 (-15 - 55)	5 - 133 (-15 - 55)	5 - 133 (-15 - 55)	5 - 133 (-15 - 55)
	Heating	°F (°C)	-13 - 86 (-25 - 30)	-13 - 86 (-25 - 30)	-13 - 86 (-25 - 30)	-13 - 86 (-25 - 30)
ELECTRICAL						
Power Supply			208-230V / 1Ph / 60Hz			
Voltage Range (Min - Max)			165 - 265			
Min. Circuit Ampacity - MCA		A	10	10	11	15
Max. Circuit Breaker (MOCP)		A	15	15	17	20
Max. FUSE Size		A	15	15	17	20
Main Power Wire Size		AWG	Per Local Code			
Connection Wiring		AWG	16AWG*4 Stranded, unshielded, TC-ER Type			
REFRIGERANT PIPING						
Refrigerant Type / Charged		oz	R454b / 25.04	R454b / 35.27	R454b / 45.5	R454b / 55.03
Pre-Charge Length Total		ft (m)	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)
Additional Charge		oz/ft	0.11	0.11	0.11	0.11
Design Pressure		PSIG	600	600	600	600
Line Set Sized (Liquid - Gas)		in	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8
Line Set Length (Min - Max)		ft (m)	16 - 50 (5 - 15)	16 - 50 (5 - 15)	16 - 65 (5 - 20)	16 - 65 (5 - 20)
Max. Pipe Elevation		ft (m)	33 (10)	33 (10)	49 (15)	49 (15)
INDOOR UNIT DATA						
Indoor Motor Type			DC			
Thermostat type			Programmable Wired Controller with Wi-Fi® & Voice Control			
Air Flow (Tu/Hi/Mi/Lo/Mu)		CFM	335/305/276/182/182	360/330/270/210/180	500/426/370/300/247	741/623/558/529/470
Sound Pressure Level (Tu/Hi/Mi/Lo/Mu)		dB(A)	42/39/34/28/28	44/41/35/33/32	48/44/41/36/33	51/49/46/39/34
External Dimensions (W x H x D)		in	27 9/16 × 7 7/8 × 19 3/10	27 9/16 × 7 7/8 × 19 3/10	36 1/4 ×7 7/8 × 19 3/10	43 5/16 ×7 7/8 × 19 3/10
		mm	700 × 200 × 490	700 × 200 × 490	920 × 200 × 490	1100 × 200 × 490
Package Dimensions (W x H x D)		in	35 7/16 × 9 13/16 × 21 7/8	35 7/16 × 9 13/16 × 21 7/8	44 1/8 × 9 13/16 × 21 7/8	50 13/16 × 9 5/8 × 22 1/4
		mm	900 × 250 × 555	900 × 250 × 555	1120 × 250 × 555	1290 × 245 × 565
Weight (Net / Gross)		lbs	33.1 / 40.8	33.1 / 40.8	39.7 / 46.3	50.7 / 58.4
		kgs	15 / 18.5	15 / 18.5	18 / 21	23 / 26.5
OUTDOOR UNIT DATA						
Compressor Type			Inverter			
Motor Type			DC			
Throttle type			Capillary			
Air Flow (Max.)		CFM	1,170	1,170	1,890	2,100
Sound Pressure Level		dB(A)	54	56	59	61
External Dimensions (W x H x D)		in	31 7/8 × 21 5/8 × 12	31 7/8 × 21 5/8 × 12	36 1/2 × 27 1/2 × 14 15/16	38 1/2 × 31 5/8 × 16 9/16
		mm	810 × 549 × 305	810 × 549 × 305	927× 699 × 380	978×803 ×421
Package Dimensions (W x H x D)		in	33 9/16 × 23 5/8 × 14 1/8	33 9/16 × 23 5/8 × 14 1/8	37 13/16 × 28 13/16 × 16 15/16	40 1/4 × 32 7/8 × 18 7/8
		mm	852×600 ×358	852×600 ×358	960 ×732 ×430	1022×835×480
Weight (Net / Gross)		lbs	52.7 / 59.7	58.4 / 69.4	86 / 93	104.7 / 125.7
		kgs	23.9 / 27.1	26.5 / 31.5	39 / 42.2	47.5 / 57
LIMITED WARRANTY			**5 Years Parts, 7 Years Compressor - Residential**			

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