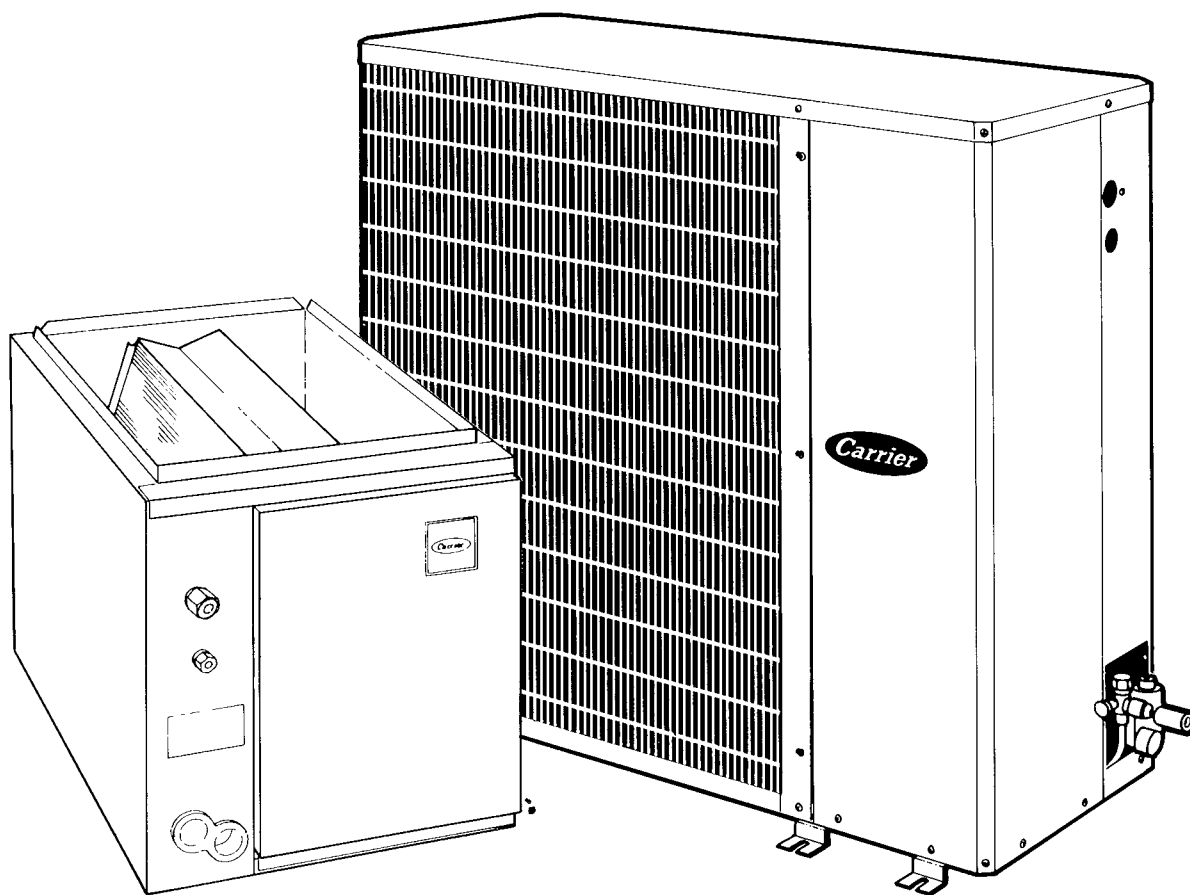




38HD

**OLYMPIA SERIES
10.0 SEER 1 1/2 TO 5 TONS
AIR COOLED
CONDENSING UNITS**



**ADVANCE PRODUCT DATA
38HD/28RD-RN COMBINATION RATINGS**

38HD OLYMPIA SERIES — THE DIFFERENCE

Unmatched application flexibility and customer satisfaction.

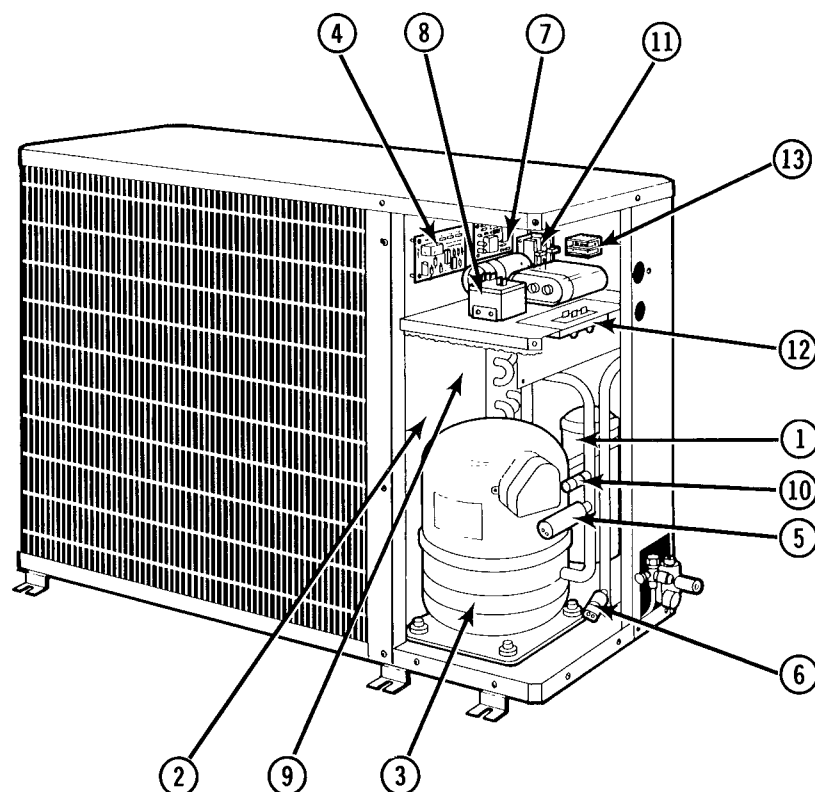
The trendsetting 38HD Olympia Series is designed by Carrier Corporation's Commercial Division to be the quietest, most compact, high-performance condensing units in the world.

An exclusive Carrier technological breakthrough in aerodynamics and heat transfer reduces 38HD product size to a fraction of current industry standards. This breakthrough also allows the 38HD to set new standards for quiet operation with ratings down to an ultra low 6.8 Bels.

The combination of compactness and quietness, provide a unique opportunity for the Carrier dealer/contractor to satisfy their most discerning customers. The 38HD offers unobtrusive air conditioning that can be totally integrated with structure and surroundings.

It is the product of choice where space is at a premium and proximity to neighbors demands ultra quiet operation.

The 38HD is the ultimate product for those who demand the best. And it is exclusively offered by Carrier Corporation.



- ① **Accumulator** achieves high reliability under demanding Commercial Duty and safeguards the compressor against severe stress or loss of lubrication, lengthening the life of the unit.
- ② **Acoustic Lining** for compressor compartment ensures quiet operation.
- ③ **Crankcase Heater** prevents refrigerant dilution of oil.
- ④ **Time Guard** prevents compressor from restarting for at least 5 minutes after shutdown by t'stat. Prevents short cycling caused by t'stat jiggling.
- ⑤ **High-Pressure Switch** protects the compressor should abnormally high discharge pressure occur.
- ⑥ **Low-Pressure Switch** protects compressor when abnormally low suction pressure occurs.
- ⑦ **Lock Out** prevents unit from running if a safety device is activated.
- ⑧ **Start Capacitor And Relay** assure dependable start up under demanding low voltage conditions.
- ⑨ **Isolated Compressor/Control Area** behind single access panel, allows unit to be run checked without loss of head pressure control.
- ⑩ **Discharge And Suction Pressure Gauge Ports** allow the serviceman to monitor the exact operating conditions.
- ⑪ **3-Pole Contactor** is a safety feature to prevent injury to the service people.
- ⑫ **Low Voltage Terminal Block**
- ⑬ **High Voltage Terminal Block**

38HD/28RD-RN 10.0 SEER COMBINATION RATINGS

PRELIMINARY

38HD/28RD/RN SINGLE PHASE MATCHED SEER RATINGS												
38HD 28RD/RN	018 024		024 030		030 043		036 043		048 049		060 061	
MODELS	CAP	SEER	CAP	SEER	CAP	SEER	CAP	SEER	CAP	SEER	CAP	SEER
WITHOUT LLS					31,800	10.33	39,000	10.78	49,000	10.25		
WITH LLS	19,000	10.20	24,300	10.16	31,800	10.75	39,000	11.27	49,000	10.70	59,000	10.15

38HD/28RD/RN THREE PHASE MATCHED EER RATINGS									
38HD 28RD/RN				036 043		048 049		060 061	
MODELS				CAP	EER	CAP	EER	CAP	EER
WITHOUT LLS				39,000	10.37	49,000	9.70	59,000	9.25

38HD PRELIMINARY SPECIFICATIONS

OUTDOOR UNIT		38HD018	38HD024	38HD030	38HD036		38HD048		38HD060	
POWER SUPPLY		1 ϕ 208/230-60	1 ϕ 208/230-60	1 ϕ 208/230-60	1 ϕ	3 ϕ 208/230-60	1 ϕ	3 ϕ 208/230-60	1 ϕ	3 ϕ 208/230-60
VOLTAGE RANGE		187-254								
MAX FUSE		15	20	25	30	20	40	30	60	40
MCA		11.1	13.6	17.6	21.8	13.7	27.3	20.5	39.6	25.7
FAN MOTOR FLA		.60		.70	1.2					
COMPRESSOR	RLA	8.4	10.4	13.5	16.5	10.0	20.9	15.4	30.7	23.6
	FLA	52	60	65	82	67.5	127.0	98.5	135	105
DIMENSIONS	W (in)	36-7/8				44-5/8				
	D (in)	14-1/2				17-1/8				
	H (in)	24-0				36-0				
WEIGHT	(lb)	155	160	175	240	226	244	235	244	235
SOUND RATINGS	BELS	6.8				7.0			7.2	

FURNACE COIL		28RD/RN024	28RD/RN030	28RD/RN043	28RD/RN043	28RD/RN049	28RD/RN061
FACTORY INSTALLED ACCURATOR PISTON		61	70	78	78	86	93
REQUIRED 38HD/28RD ACCURATOR PISTON		59	61	70	73	86	88
NOMINAL CFM		600	800	1000	1200	1600	2000
WET COIL DP	(in. wg)	.140	.184	.140	.160	.210	.170
EVAPORATOR COIL				ENHANCED	ENHANCED	ENHANCED	ENHANCED
FACE AREA		2.6	3.6	4.8	4.8	5.3	7.2
FIN/INCH		14	16	12	12	13	16
ROWS		3	3	3	3	3	3

38HD OLYMPIA SERIES — UNMATCHED APPLICATION FLEXIBILITY

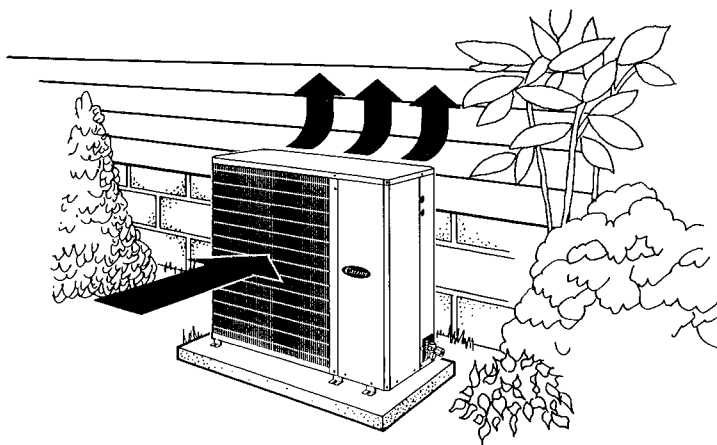
THE GOOD NEIGHBOR PRODUCT

The soft flow, rear discharge air flow configuration, and the ultra low sound performance allow the 38HD to be installed with the coil side (air discharge side) against the exterior wall of the conditioned structure.

Required clearances are:

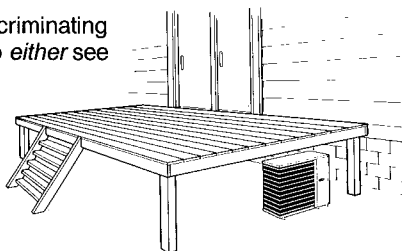
- 6" minimum clearance from coil (rear) side to wall. Having coil side 6" from wall provides maximum coil protection against vandals and the elements.
- 8" minimum required on fan intake (front) side.
- 24" minimum on service access side.

38HD is a good neighbor. With low velocity air discharge quietly directed against the structure, plants and neighbors are never disturbed.



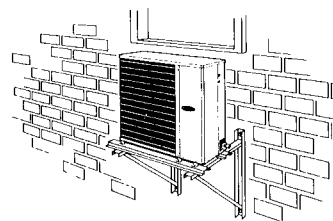
INSTALL UNDER A DECK

Only you can satisfy those discriminating customers who do not want to *either* see or hear their air conditioners.



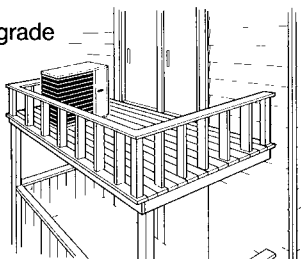
RACK MOUNT ON A REAR OR SIDE WALL

On those jobs with no room at all. Maximum exterior projection is only 20" to 23" including the required 6" rear clearance.



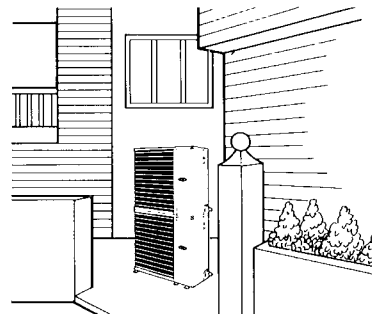
INSTALL ON A BALCONY

Where there is neither roof nor grade level access



STACK THE 38HD'S TO DOUBLE CAPACITY

Industry exclusive. Only you can set up to 10 tons of air conditioning on a footprint only 5 square foot by stacking two 38HD units on top of each other, using our accessory stacking kit.



The remarkable 38HD Condensing Units are designed to be the most compact, quietest, high performance condensing units in the world, providing the Carrier Dealer/Contractor with unmatched exclusive opportunities for customer satisfaction.

We're not satisfied until you are...



Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.