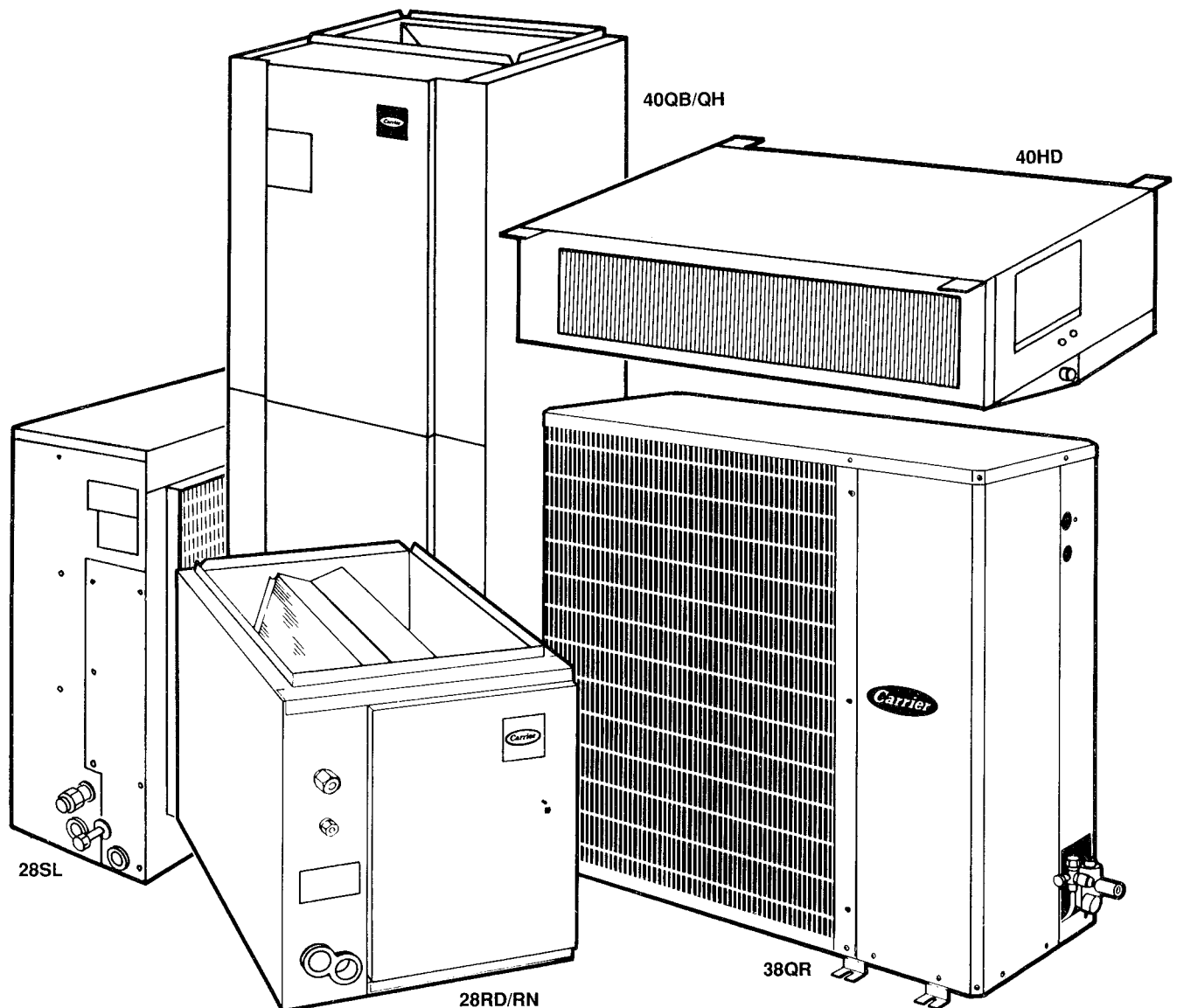




HEATING & COOLING

38QR

OLYMPIA SERIES 10.0 SEER 3 TO 5 TONS AIR COOLED HEAT PUMP



ADVANCE PRODUCT DATA 38QR COMBINATION RATINGS

38QR OLYMPIA SERIES — THE DIFFERENCE

Unmatched application flexibility and customer satisfaction.

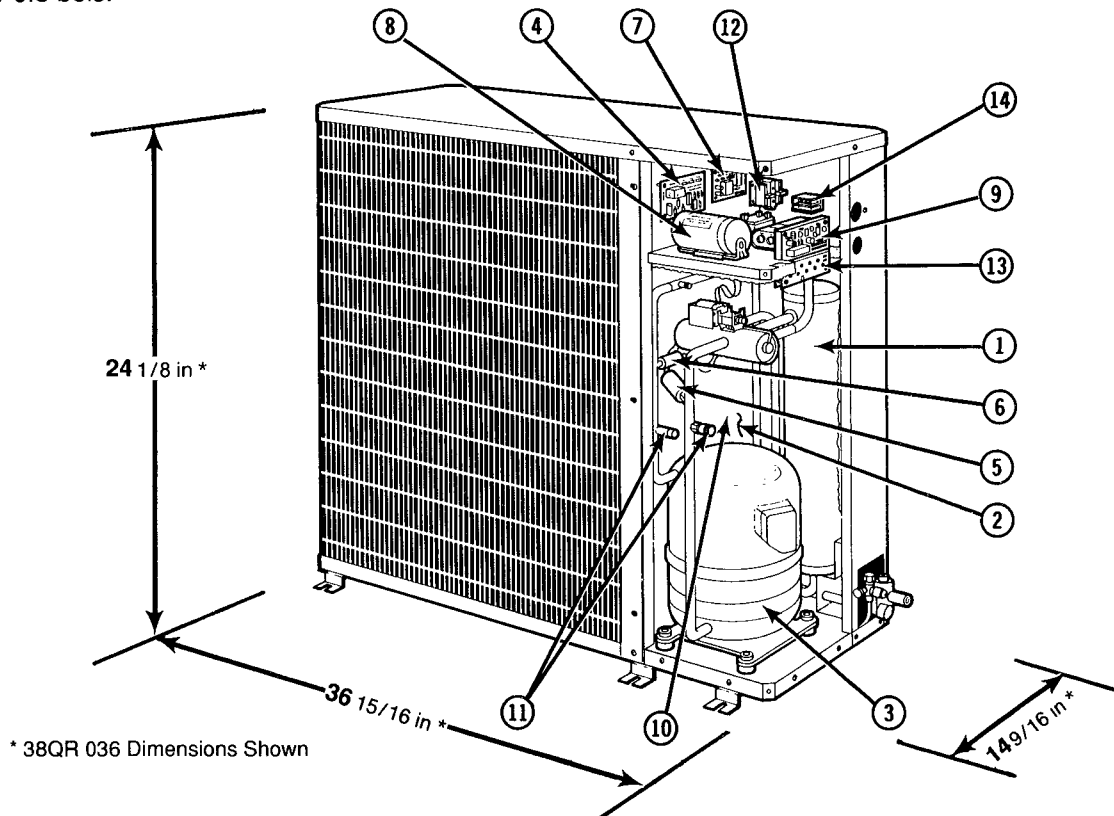
The trendsetting 38QR Olympia Series is designed by Carrier Corporation's Commercial Division to be the quietest, most compact, high-performance line of heat pumps in the world.

An exclusive Carrier technological breakthrough in aeroacoustics and heat transfer reduces 38QR product size to a fraction of current industry standards. This breakthrough also allows the 38QR 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 38QR 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 38QR 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 II®** circuit prevents compressor from restarting for at least 5 minutes after shutdown by thermostat. Prevents short cycling caused by thermostat jiggling. (Optional)
- 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 **Time Temperature Solid State Defrost Board** for increased reliability.
- ⑩ **Isolated Compressor/Control Area** behind single access panel, allows unit to be run checked without loss of condenser air flow
- ⑪ **Discharge And Suction Pressure Gauge Ports** allow the serviceman to monitor the exact operating conditions.
- ⑫ **3-Pole Contactor** is a safety feature to prevent injury to the service people.
- ⑬ **Low Voltage Terminal Block**
- ⑭ **High Voltage Terminal Block**

38QR COMBINATION RATINGS

OUT-DOOR UNIT 38QR	INDOOR UNIT	ARI STANDARD RATINGS									SOUND RATING (Bels)
		Cfm	Cooling			Heating					
			TC	Seasonal Efficiency Without LLS	Seasonal Efficiency With LLS	Hi-Temp		Lo-Temp		Seasonal Efficiency HSPF	
						TC	COP		COP		
036 208/230-1	40QB/QH043	1200	35,800	-	9.8	35,200	3.0	20,400	2.10	6.75	6.8
	40HD036	1200	37,600	10.00	-	36,000	3.1	20,000	2.20	7.00	6.8
	28RD/RN043	1200	36,200	-	10.00	35,000	3.0	20,200	2.10	6.75	6.8
	28RD/RN143	1200	36,000	-	10.00	35,000	3.0	20,200	2.10	6.75	6.8
036 208/230-3 460-3	40QB/QH043	1200	35,400	-	9.8	34,800	3.0	20,000	2.10	6.75	6.8
	40HD036	1200	37,200	10.0	-	34,600	3.1	18,600	2.20	7.00	6.8
	28RD/RN043	1200	35,800	-	10.00	34,600	3.0	19,800	2.10	6.75	6.8
	28RD/RN143	1200	35,600	-	10.00	34,600	3.0	19,800	2.10	6.75	6.8
048 208/230-1	40QB/QH049	1600	48,000	-	9.6	49,000	3.00	30,200	2.20	7.30	7.2
	40QB/QH063	1600	49,000	-	10.00	49,500	2.95	31,200	2.00	7.10	7.2
	40HD048	1600	48,000	10.2	-	48,500	3.10	27,600	2.30	7.50	7.2
	28RD049	1600	47,500	10.10	10.20	47,500	3.00	29,600	2.10	7.30	7.2
	28RD/RN057	1600	48,000	10.20	10.30	48,000	2.90	29,400	2.00	7.20	7.2
	28RD/RN061	1600	49,000	10.30	10.40	48,000	3.00	29,600	2.20	7.30	7.2
	28SL061	1600	49,000	10.20	10.30	48,000	3.00	29,800	2.20	7.30	7.2
048 208/230-1 460-3	40QB/QH049	1600	47,000	-	9.6	48,000	3.00	29,200	2.20	7.30	7.2
	40QB/QH063	1600	48,000	-	10.00	48,500	2.95	30,200	2.00	7.10	7.2
	40HD048	1600	47,000	10.2	-	47,500	3.10	26,600	2.30	7.50	7.2
	28RD049	1600	46,500	10.1	10.2	47,000	3.00	29,100	2.10	7.30	7.2
	28RD/RN057	1600	47,000	10.2	10.3	47,000	2.90	28,400	2.00	7.20	7.2
	28RD/RN061	1600	48,000	10.3	10.4	47,000	3.00	28,600	2.20	7.30	7.2
	28SL061	1600	48,000	10.2	10.3	47,000	3.00	28,800	2.20	7.30	7.2
060 208/230-1	40QB/QH063	2000	59,000	-	9.8	59,000	3.00	35,200	2.20	7.40	7.4
	40QB064	2000	60,000	-	10.10	59,000	3.10	35,400	2.30	7.40	7.4
	28RD/RN060	2000	59,000	-	10.1	57,500	3.05	35,400	2.20	7.40	7.4
	28RD/RN061	2000	59,500	10.0	10.2	57,500	3.00	34,200	2.15	7.40	7.4
	28SL061	2000	60,000	10.0	10.2	57,500	3.00	34,600	2.15	7.40	7.4
060 208/230-3 460-3	40QB/QH063	2000	59,000	-	9.8	59,000	3.00	35,200	2.20	7.40	7.4
	40QB064	2000	60,000	-	10.1	59,000	3.10	35,400	2.30	7.40	7.4
	28RD/RN060	2000	59,000	-	10.1	57,500	3.05	35,400	2.20	7.40	7.4
	28RD/RN061	2000	59,500	10.0	10.2	57,500	3.00	34,200	2.15	7.40	7.4
	28RD/RN061	2000	60,000	10.0	10.1	57,500	3.00	34,600	2.15	7.40	7.4

COP — Coefficient of Performance
HSPF — Heating Seasonal Performance Factor

LLS — Liquid Line Solenoid
TC — Total Capacity (Btu/h)



38QR SPECIFICATIONS

OUTDOOR UNIT		38QR036			38QR048			38QR060		
POWER SUPPLY	Phase Volts-Hz	1	3	3	1	3	3	1	3	3
		208/230-60	208/230-60	460-60	208/203-60	208/230-60	460-60	208/230-60	208/230-60	460-60
VOLTAGE RANGE		187-253		414-506	187-253		414-506	187-253		414-506
MAX FUSE	(Amps)	40	25	15	60	50	20	60	45	20
MCA		25	16	8	39	29	15	42	27	15
FAN MOTOR	FLA	70		40	1 45		80	1 50		80
COMPRESSOR	RLA	19 4	12 0	5 8	29 4	21 7	10 8	31 7	20 4	10 8
	LRA	82	67 5	33 8	127 0	98 5	49 3	135	105	55 0
OPER. WEIGHT	(lb)	192	188		257	248		277	268	
DIMENSIONS	W (in.)	36-15/16			44-9/16					
	D (in.)	14-9/16			17-1/16					
	H (in.)	24-1/8			36-1/8					
CONN. (in.)	LIQUID	3/8								
	VAPOR	3/4						7/8		

FLA — Full Load Amps
LRA — Locked Rotor Amps

MCA — Minimum Circuit Amps
RLA — Rated Load Amps

38QR OLYMPIA SERIES HEAT PUMP — THE FACTS

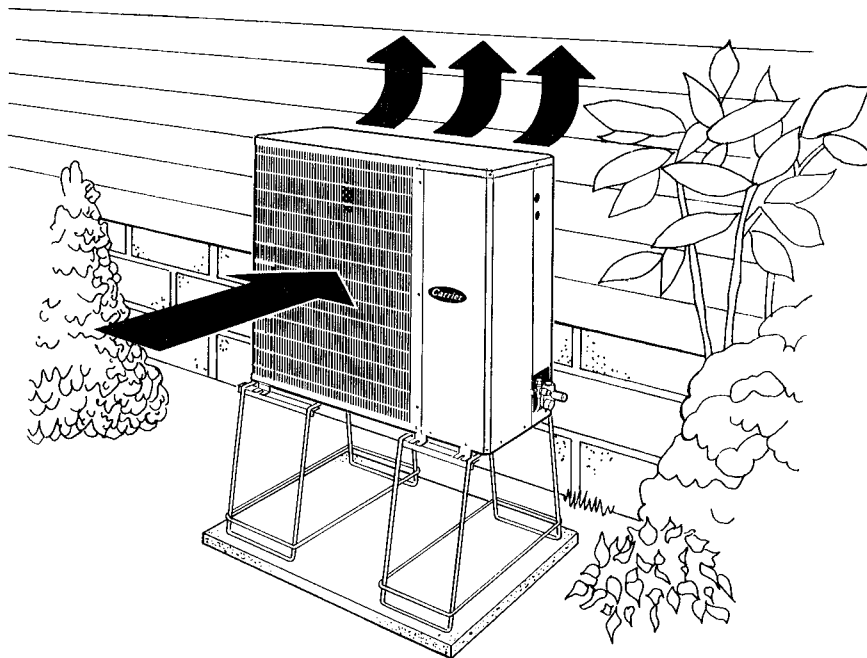
THE GOOD NEIGHBOR PRODUCT

The 38QR is a good neighbor. Low velocity air is discharged quietly against the structure, plants and neighbors are never disturbed.

Required clearances are:

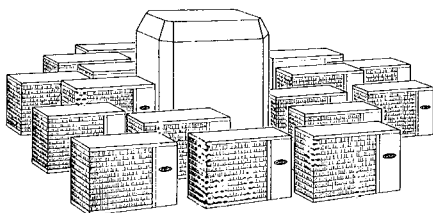
- 6" minimum clearance from coil (rear) side to wall. Placing coil side 6" from wall provides maximum coil protection against vandals and the elements.
- 8" minimum required on fan intake (front) side.
- 24" minimum on service access side.

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



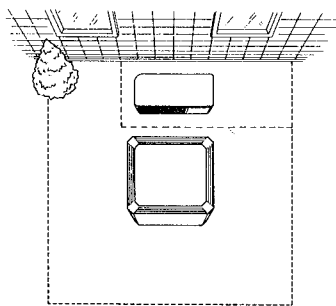
STEALTH QUIET — 6.8 BELS

So quiet it would require up to sixteen 38QR036 Olympia heat pumps to produce as much noise as a competitive unit rated at 8.0 bels.



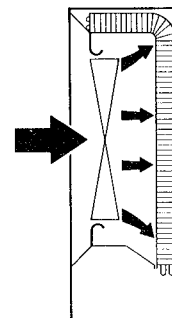
SPACE SAVER —

Only 18 sq ft of clear space is required to install a 5-ton unit, rather than the 75 sq ft required by many competitors



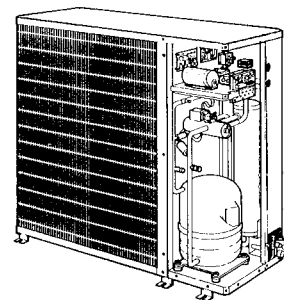
UNMATCHED DEFROST CAPABILITY —

Thanks to the unique design, compressor can provide up to 30% more heating duty as defrost time is dramatically reduced.



SERVICEMAN'S DELIGHT —

Totally isolated compressor and control compartment with a full complement of gage ports provides unmatched serviceability



The remarkable 38QR heat pumps are designed to be the most compact, quietest, high performance heat pumps in the world, providing the Carrier Dealer/Contractor with unmatched exclusive opportunities for customer satisfaction.

We're not satisfied until you are...

