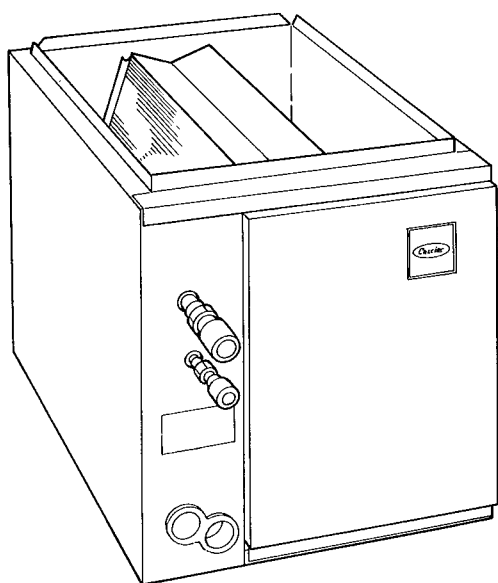
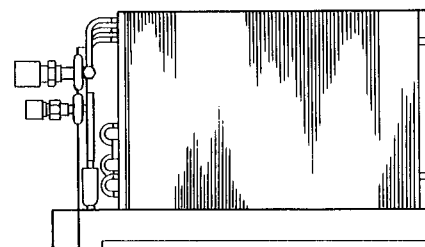
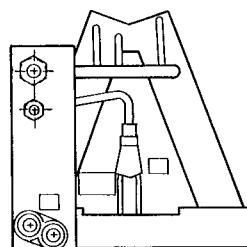


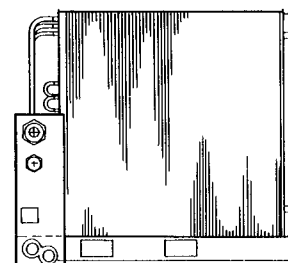
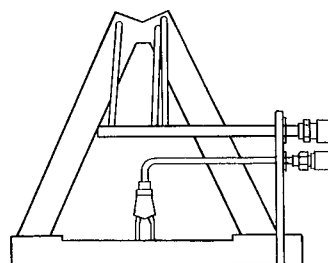
Application Data



MODEL 28RD



MODEL 28RN (018,024,130,036,042)



MODEL 28RN (142,148,060)

COMBINATION RATINGS*

OUTDOOR UNIT 38ED	INDOOR COIL 28RD,RN	ARI		RE- QUIRED PISTON SIZE	FACTORY- INSTALLED PISTON
		TC	SEER w/LLS†		
018	018	16.5	9.95	52	49
	024	17.2	10.35	52	61
024	024	24.2	10.60	65	61
	030	24.4	10.70	65	70
030	030	29.0	10.45	70	70‡
	036	29.4	10.55	70	76
036	036	33.4	11.25	73	76
	042	34.2	11.45	73	82
042	042	39.5	10.10	80	82
	048	40.5	10.35	80	80‡
048	048	45.0	9.75	86	80
	060	47.0	10.00	86	98
060	060	58.0	9.25	96	98

OUTDOOR UNIT 38EH	INDOOR COIL 28RD,RN	TC	ARI		RE- QUIRED PISTON SIZE	FACTORY- INSTALLED PISTON
			w/LLS or TDR	w/o LLS or TDR		
015	015	14.0	9.10	9.75	46	46‡
	018	14.2	9.25	9.90	46	49
018	018	17.5	9.50	9.10	49	49‡
	024	17.6	9.50	9.20	49	61
024	024	23.6	9.50	9.00	61	61‡
	030	24.6	9.50	9.20	61	70
030	030	30.2	9.10	8.60	70	70‡
	036	30.6	9.20	8.70	70	76
036	036	34.0	9.50	9.10	76	76‡
	042/142	34.6	9.55	9.15	76	82
042	042/142	41.0	—	9.00	82	82‡
	048/148	41.5	—	9.00	82	80
048	048/148	46.5	9.50	9.15	80	80‡
	060	48.5	9.75	9.40	80	98
060	060	58.0	9.00	—	98	98‡

OUTDOOR UNIT 38EN	INDOOR COIL 28RD,RN	TC	ARI		RE- QUIRED PISTON SIZE	FACTORY- INSTALLED PISTON
			w/LLS or TDR	w/o LLS or TDR		
015	015	14.3	8.25	7.90	46	46‡
	018	14.4	8.25	7.90	46	49
018	018	17.7	8.70	8.35	52	49
	024	18.4	9.10	8.80	52	61
024	024	23.0	8.40	8.20	57	61
	030	23.2	8.85	8.65	57	70
030	030	29.6	8.40	8.75	63	70
	036	29.8	8.85	8.45	63	76
036	036	34.6	8.25	7.95	67	76
	042/142	35.2	8.35	8.05	67	82
042	042/142	42.0	8.45	8.10	78	82
	048/148	43.0	8.60	8.25	78	80
048	048/148	48.0	8.20	8.00	86	80
	060	49.0	8.30	8.00	86	98
060	060	59.0	8.00	7.80	93	98

OUTDOOR UNIT 38ES	INDOOR COIL 28RD,RN	TC	ARI		RE- QUIRED PISTON SIZE	FACTORY- INSTALLED PISTON
			w/LLS or TDR	w/o LLS or TDR		
018	018	18.0	9.80	9.60	49	49
	024	18.2	10.00	9.70	49	61
024	024	23.0	10.00	9.60	63	61
	030	23.2	10.65	10.20	63	70
030	030	28.0	10.35	9.65	67	70
	036	28.2	10.55	9.90	67	76
036	036	35.0	9.80	9.60	73	76
	042/142	36.0	10.00	9.80	73	82
042	042/142	41.0	9.70	9.50	76	82
	048/148	42.0	10.00	9.60	76	80
048	048/148	46.5	9.70	9.50	82	80
	060	48.0	10.00	9.60	82	98

*All cooling ratings shown are at 80 F db, 67 F wb indoor and 95 F outdoor.
All heating ratings are at 70 F db indoor and 47 F db/43 F wb for hi-temp,
and 17 F db/15 F wb for lo-temp.

†LLS standard with 38ED

‡No change required in this factory-installed piston

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

COMBINATION RATINGS* (cont)

HEAT PUMP 38QH	28RD,RN COIL	ARI STANDARD RATING								INDOOR		OUTDOOR
		Cooling			Heating				HSPF	Required Piston Size	Factory- Installed Piston	Required Piston Size
		TC	SEER		Hi-Temp		Lo-Temp					
			w/LLS or TDR	w/o LLS or TDR	TC	C.O.P	TC	C O.P				
015	015	14.0	10.00	9.50	14.8	2.90	8.2	1.90	6.80	46	46↓	35
	018	14.2	10.00	9.50	14.8	2.94	8.2	1.94	6.85	46	49	
018	018	17.2	9.00	8.35	18.8	2.82	10.3	1.90	6.80	52	49	42
	024	18.0	9.30	8.85	19.6	2.94	10.5	1.92	6.89	52	61	
024	024	23.0	9.60	9.90	23.8	3.00	12.9	2.00	6.65	61	61†	52
	030	23.4	9.75	9.10	23.8	3.00	12.9	2.00	6.65	61	70	
030	030	30.2	9.40	9.00	30.6	2.84	17.6	1.90	6.65	67	70	59
	036	30.6	9.50	9.00	30.8	2.90	17.7	1.90	6.65	67	76	
036	036	34.2	9.40	8.75	34.6	2.90	20.6	1.96	6.70	73	76	61
	042/142	35.0	9.50	8.90	35.2	2.96	20.8	2.00	6.85	73	82	
042	042/142	40.5	9.40	9.00	43.0	2.94	26.0	1.98	6.95	80	82	73
	048/148	41.5	9.50	9.10	43.0	2.96	26.4	2.00	7.00	80	80†	
048	048/148	47.5	9.20	9.00	46.0	2.80	26.8	1.90	6.65	82	80	73
	060	49.0	9.30	9.00	47.0	3.00	27.4	1.90	6.80	82	98	
060	060	56.5	10.25	9.65	56.5	3.16	33.0	2.14	7.45	93	98	78

HEAT PUMP 38QN	28RD,RN COIL	ARI STANDARD RATING								INDOOR		OUTDOOR
		Cooling			Heating				HSPF	Required Piston Size	Factory- Installed Piston	Required Piston Size
		TC	SEER		Hi-Temp		Lo-Temp					
			w/LLS or TDR	w/o LLS or TDR	TC	C O.P	TC	C O.P				
015	015	13.7	9.00	8.50	13.0	2.70	7.7	1.80	6.30	46	46 ¹	35
	018	13.7	9.00	8.50	13.0	2.70	7.7	1.80	6.30	46	49	
018	018	16.1	8.05	7.70	16.1	2.60	8.7	1.70	5.80	49	49 ⁺	35
	024	16.8	8.20	8.00	16.5	2.64	8.9	1.74	6.00	49	61	
024	024	22.6	8.65	8.00	24.4	2.76	12.8	1.80	6.45	61	61 ¹	46
	030	23.0	8.65	8.00	24.6	2.80	13.0	1.80	6.50	61	70	
030	030	27.7	8.00	7.45	29.0	2.60	16.6	1.80	6.15	63	70	55
	036	28.2	8.00	7.55	29.6	2.60	17.0	1.82	6.25	63	76	
036	036	33.8	8.15	7.80	38.0	2.60	22.2	1.99	6.10	73	76	61
	042/142	35.0	8.25	7.85	39.0	2.68	22.6	1.98	6.25	73	82	
042	042/142	40.5	8.35	7.95	44.0	2.74	25.8	2.00	6.40	73	82	67
	048/148	41.5	8.50	8.05	45.0	2.84	26.2	2.04	6.55	73	80	
048	048/148	46.5	8.20	7.85	48.0	2.66	28.4	1.86	6.35	84	80	67
	060	48.5	8.35	8.00	50.0	2.80	28.2	1.94	6.65	84	98	
060	060	55.5	8.20	7.80	56.0	2.80	33.6	2.00	6.60	96	98	80

HEAT PUMP 38QS	28RD,RN COIL	ARI STANDARD RATING								INDOOR		OUTDOOR
		Cooling			Heating				HSPF	Required Piston Size	Factory- Installed Piston	Required Piston Size
		TC	SEER		Hi-Temp		Lo-Temp					
			w/LLS or TDR	w/o LLS or TDR	TC	C O P	TC	C.O P				
018	018 024	15.9 16.7	9.60 10.00	9.00 9.30	18.1 18.5	2.86 3.00	9.8 10.0	1.84 1.90	6.70 6.90	52 52	49 61	40
024	024 030	23.4 23.8	10.20 10.20	10.00 10.00	23.6 23.6	2.90 3.00	12.9 12.9	1.90 2.00	6.80 6.80	61 61	61† 70	55
030	030 036	27.6 28.2	10.20 10.20	10.00 10.00	27.8 28.2	2.80 2.90	14.8 15.0	1.86 1.90	6.30 6.50	67 67	70 76	57
036	036 042/142	32.6 33.6	10.20 10.20	9.75 10.00	33.0 33.4	2.80 2.90	19.5 19.7	1.70 1.90	6.20 6.50	78 78	76 82	61
042	042/142 048/148	39.0 40.5	10.00 10.00	9.50 9.75	37.8 38.0	2.80 2.90	21.4 21.8	1.86 1.90	6.70 6.85	78 78	82 80	70

HEAT PUMP 38SQ	28RD,RN COIL	ARI STANDARD RATING								INDOOR		OUTDOOR
		Cooling			Heating				HSPF	Required Piston Size	Factory- Installed Piston	Required Piston Size
		TC	SEER		Hi-Temp		Lo-Temp					
			w/LLS or TDR	w/o LLS or TDR	TC	C.O.P.	TC	C.O.P.				
024	024 030	24.2	10.00	9.65	24.6	2.86	14.6	2.00	7.20	61	61†	52
		24.4	10.00	9.75	24.6	2.90	14.8	2.00	7.25	61	70	
030	030 036	27.2	9.00	9.00	28.2	2.68	17.2	1.96	6.80	67	70	57
		27.6	9.15	9.00	28.4	2.74	19.4	1.96	6.85	67	76	
036	036 042/142	32.4	9.70	9.40	32.6	2.90	19.4	1.96	7.40	73	76	65
		33.2	10.00	9.60	33.0	3.00	19.6	2.00	7.60	73	82	
042	042/142 048/148	38.5	10.00	9.60	42.0	3.00	23.8	2.10	7.60	78	82	70
		40.0	10.00	9.80	42.5	3.10	24.2	2.10	7.80	78	80	
048	048/148 060	43.5	10.00	9.85	42.5	3.00	25.0	2.00	7.50	84	80	73
		45.5	10.20	10.00	43.5	3.00	25.6	2.10	7.65	84	98	

LEGEND

C.O.P. — Coefficient of Performance
LLS — Liquid Line Solenoid
SEER — Seasonal Energy Efficiency Rating (Btuh/watt); based on ARI conditions
TC — Total Capacity (1000 Btuh)
TDR — Time-Delay Relay
HSPF — Heating Seasonal Performance Factor

* All cooling ratings shown are 80 F db/67 F wb indoor and 95 F outdoor
 All heating ratings are at 70 F db indoor and 47 F db/43 F wb for hi-temp, and 17 F db/15 F wb for lo-temp
 †No change required in this factory-installed piston



FURNACE/INDOOR COIL WIDTH MATCHUPS

FURNACE MODEL 58	FURNACE WIDTH (in)	28RD INDOOR COIL WIDTH (in) — CASED												28RN INDOOR COIL WIDTH (in) — UNCASED									
		015	018	024	030	130	036	136	042	142	048	148	060	018	024	130	036	042	142	148	060		
		14	14	14	14	17	17	21	21	24	21	24	31	12½	12½	15½	15½	19½	22½	22½	29½		
DH 040-100CC 035-100BC*	14				X		O							X	X	O	O						
060-100CC 055-100CC*	14				X		O							X	X	O	O						
080-100CC 070-100CC*	17							O									O			O			
100-100CC 090-100CC*	17							O									O			O			
100-100DC 090-100DC*	21									X	O	O								O	O		
120-100CC 110-100CC*	24										X	O								X	O		
DHB 040-100BC	14	X	X	X										X	X								
055-100BC	14	X	X	X										X	X								
055-100CC	14				X											O	O						
075-100BC	17					X	X	O								X	X			O			
075-100CC	17								O									O		O			
095-100CC	17																			O			
095-100DC	21									X	O	O								O	O		
115-100CC	24										X	O								X	O		
DP/DR 050-BA	14	X	X	X										X	X								
075-AA/BA	17					X	X	O								X	X			O			
100-AA/BA	17								O	O								O	O	O			
125-AA/BA	21								X	O	X	O					X	O		O	O		
150-BA	24										X	O							X		O		
DRC 045-100CB	17					X	X	O								X	X	O					
065-100CB	17								O										O				
080-100CB	21								X	O	X	O					X	O		O	O		
095-100DB	24										X	O								X	O		
GP/GS 050-200	14	X	X	X										X	X								
050-300	14				X	O	O									O	O						
075-200	14	X	X	X										X	X								
075-300	14				X	O	O									O	O						
100-200	17					X	X									X	X						
100-300	21								X	O	X							X	O				
125-200	21							X										X	X				
125-300	21								X	O	X							X	O				
125-400	24											X	O							X	O		
150-200	24									X		X	O							X	O		
150-300	24										X	O								X	O		
175-300	31											X									X		
200-100CA†	31											X									X		
GSC 030-100BB	14	X	X	X										X	X								
045-100CB	14				X	O	O									O	O						
065-100CB	17					X	X	O								X	X						
080-100CB	21								X	O	X	O						X	O	O	O		
095-100DB	24											X	O							X	O		
SS 040-110CC	14				X	O	O									O	O						
060-110CC	14				X	O	O									O	O						
080-110BC	17					X	X									X	X						
100-110BC	17					X	X									X	X						
080-110CC	21								X	O	X							X	O	O	O		
100-110CC	21								X	O	X							X	O	O	O		
120-110BC	21								X	O	X							X					
100-110DC	24											X	O						X	X	O		
120-110CC	24											X	O						X	X	O		
140-110BC	24												O						X	X	O		
SSB 040-100BC	14	X	X	X										X	X								
060-100BC	14	X	X	X																			
040-100CC	14				X	O	O									O	O						
060-100CC	14				X	O	O									O	O						
080-100BC	17					X	X									X	X						
095-100BC	17					X	X									X	X						
080-100CC	21								X	O	X							X	O	O	O		
095-100CC	21								X	O	X							X	O	O	O		
120-100BC	21								X	O	X							X		O	O		
095-100BC	24											X	O						X	X	O		
120-100CC	24											X	O						X	X	O		
130-100BC	24											X	O						X	X	O		
SX 040-120BC	17					X										X							
040-130CC	17					X	X									X	X						
060-130CC	17					X	X									X	X						
080-130BC	17					X	X									X	X						
100-130CC	21								X	O	X							X	O	O	O		
120-130CC	24											X	O						X	X	O		

O — Approved furnace/coil combination (coil wider than furnace)

X — Approved furnace/coil combination (coil/furnace size match)

*California only

†GS only

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