



38ARZ007-012, 38ARS008-012, 38ARD012 UNITS — ENGLISH

38AR007-012

UNIT SIZE 38AR	Z007	Z008	Z012	S008	S009	S012	D012
NOMINAL CAPACITY (tons)	5.0	7.0	9.3	6.8	8.5	8.7	8.7
OPERATING WEIGHT (lb)							
Aluminum-Fin Coils (Standard)	300	383	430	550	575	575	475
Copper-Fin Coils (Optional)	352	484	531	651	676	676	576
REFRIGERANT TYPE*				R-22			
Operating Charge, Typical (lb)†	12	20	22	20	24	24	11/Circuit
Shipping Charge (lb)				2			
COMPRESSOR		Scroll			Reciprocating		Scroll
Qty...Model	1...SR_68	1...SR_94	1...ZR125	1...06DA818	1...06DA824	1...06DH824	2...SR_60
Oil Charge (oz)	88	90	110	88	128	128	72 (ea)
No. Cylinders		N/A		4	6	6	N/A
Speed (rpm)		2900			1450		2900
CONDENSER FANS							
Qty...Rpm	2...700	2...920			2...920		2...920
Diameter (in.)		22			22		22
Nominal HP	1/8	1/4			1/4		1/4
Nominal Airflow (cfm total)	5000	5800			5800		5800
Watts (total)	330	505			505		505
CONDENSER COIL (Qty)		2			2		2
Face Area (sq ft total)		29.2			29.2		29.2
Rows...Fins/in.	1...17	2...17			2...17		2...17
Storage Capacity (lb)**	17.3	34.2			34.2		17.1 (ea)
CONTROLS							
Pressurestat Settings (psig)							
High Open		428 ± 10			428 ± 10		428 ± 10
Close		320 ± 20			320 ± 20		320 ± 20
Low Open		27 ± 3			27 ± 3		27 ± 3
Close		44 ± 5			44 ± 5		44 ± 5
PRESSURE RELIEF							
Location				Suction Line			
Temperature (F)				200			
PIPING CONNECTIONS (in. ODM)							
Qty...Suction	1...1 ¹ / ₈	1...1 ¹ / ₈	1...1 ³ / ₈	1...1 ¹ / ₈	1...1 ³ / ₈	1...1 ³ / ₈	2...1 ¹ / ₈
Qty...Liquid	1...3 ³ / ₈	1...3 ³ / ₈	1...1 ¹ / ₂	1...3 ³ / ₈	1...1 ¹ / ₂	1...1 ¹ / ₂	2...3 ³ / ₈

*Unit is factory-supplied with holding charge only.
 †Typical operating charge with 25 ft of interconnecting piping.
 **Storage capacity of condenser coil with coil 80% full of liquid R-22 at 95 F.

NOTE: Unit 38ARS012 has one step of unloading. Full load is at 100% of capacity, and one step of unloading is 67% capacity. Unit 38ARS012 has the following unloader settings: load is 70 ± 1 psig and unload is 60 ± 2 psig.