 PRODUCT DRAWING	Supersedes: 50.40-PA1 (1291) Form 50.40-PA1 (199) REFRIGERANT STORAGE/RECYCLING SYSTEM MODELS RSR-1100V, -1600V, -2212, -2222, -3436 & -3445 UNIT DIMENSIONS	
YORK INTERNATIONAL CORPORATION P.O. Box 1592, York, PA 17405		
CONTRACTOR _____ ORDER NO. _____ YORK CONTRACT NO. _____ YORK ORDER NO. _____	PURCHASER _____ JOB NAME _____ LOCATION _____ ENGINEER _____	
<input type="checkbox"/> REFERENCE DATE _____	<input type="checkbox"/> APPROVAL DATE _____	<input type="checkbox"/> CONSTRUCTION DATE _____

SPECIFICATIONS

Self-contained Refrigerant Storage/Recycling System with refrigerant compressor, oil separator, storage receiver, water cooled condenser, and necessary valves to remove and distill refrigerants. Units are furnished with:

- Dual relief and 3-way transfer valves
- (2) 1-1/2" diameter sight glasses located at 80% full level
- (2) 1/2" x 8' refrigerant hoses
- 3/4 inch hose bib and NPT water connections

TABLE 1 – GENERAL SPECIFICATIONS

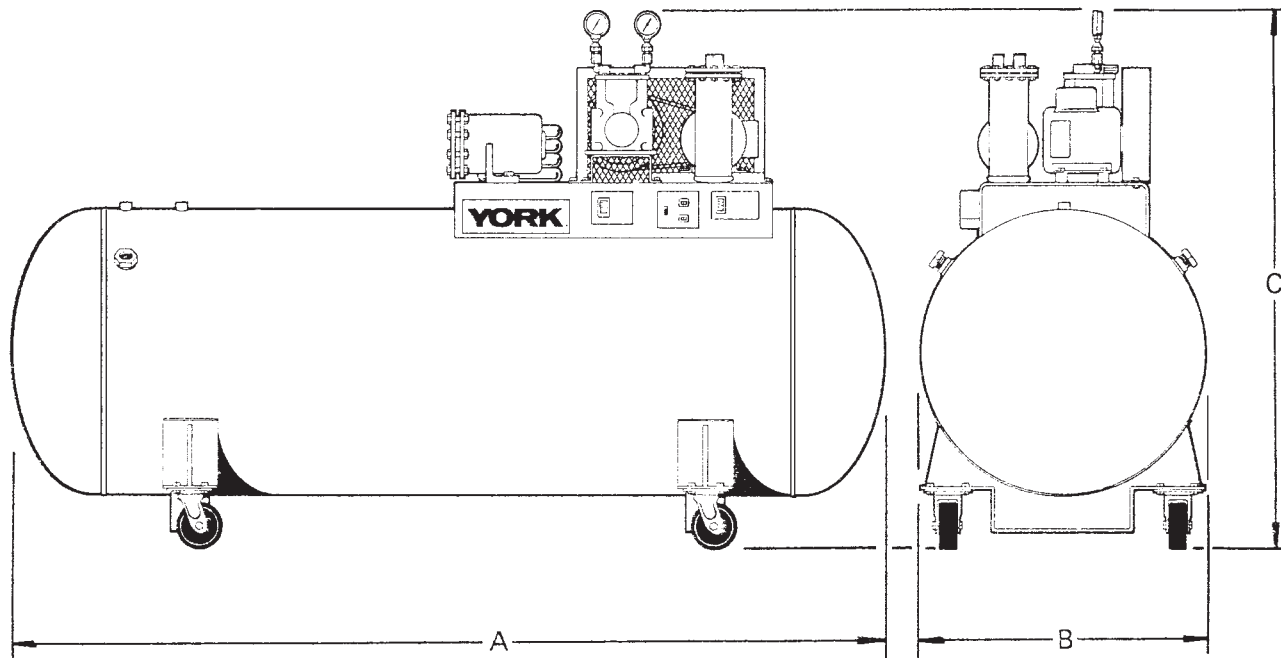
MODEL	SHIPPING WEIGHT (lbs)	COMPRESSOR POWER (HP)	INPUT POWER (V-P-Hz)	COMPRESSOR MOTOR (FLA)	DESIGN WORKING PRESSURE (PSI)
RSR1100V	700	1.0	115-1-60	13.4	50
		1.5	115-1-50	22.3	
RSR1100V114		2.0	115-1-60	20.0	
		2.0	115-1-50	N/A	
RSR1600V	850	1.0	115-1-60	13.4	50
		1.5	115-1-50	22.3	
RSR1600V114		2.0	115-1-60	20.0	
		2.0	115-1-50	N/A	
RSR2212	1325	1.5	115-1-60 115-1-50	12.0 14.0	300
RSR2222	1600	1.5	115-1-60 115-1-50	14.8 17.2	
RSR3436	3200	10.0	208-3-60	27.3	
			230-3-60	24.7	
RSR3445	4200		460-3-60	12.3	
			380-3-50	15.2	

NOTES: 1. Single phase motors can be rewired for 208 and 230 volts
 2. Voltage must be specified on order.

TABLE 2 – RECOVERY RATE AND REFRIGERANT CAPACITY

MODEL	FINAL VACUUM (IN. HG)	VAPOR RECOVERY RATE (LB/MIN)	LIQUID RECOVERY RATE (LB/MIN)	REFRIGERANT CAPACITY 80% FULL AT 90°F	
RSR-1100V	29.2	2.28	42.00	CFC-11	1053
				HCFC-123	1041
RSR-1600V	29.2	2.28	42.00	CFC-11	1500
				HCFC-123	1476
RSR-1100V114	29.2	2.28	42.00	CFC-114	1038
RSR-1600V114	29.2	2.28	42.00	CFC-114	1473
RSR-2212	17.19	3.50	58.00	CFC-12	1240
				CFC-500	970
				CFC-502	1170
RSR-2222	17.19	3.50	58.0	CFC-12	2166
				CFC-500	1937
				CFC-502	2044
				HCFC-22	1126
				HFC-134a	1140
				HCFC-22	1966
				HFC-134a	1992

**DIMENSIONS
MODELS RSR-1100V, -1600V, -2212, -2222**



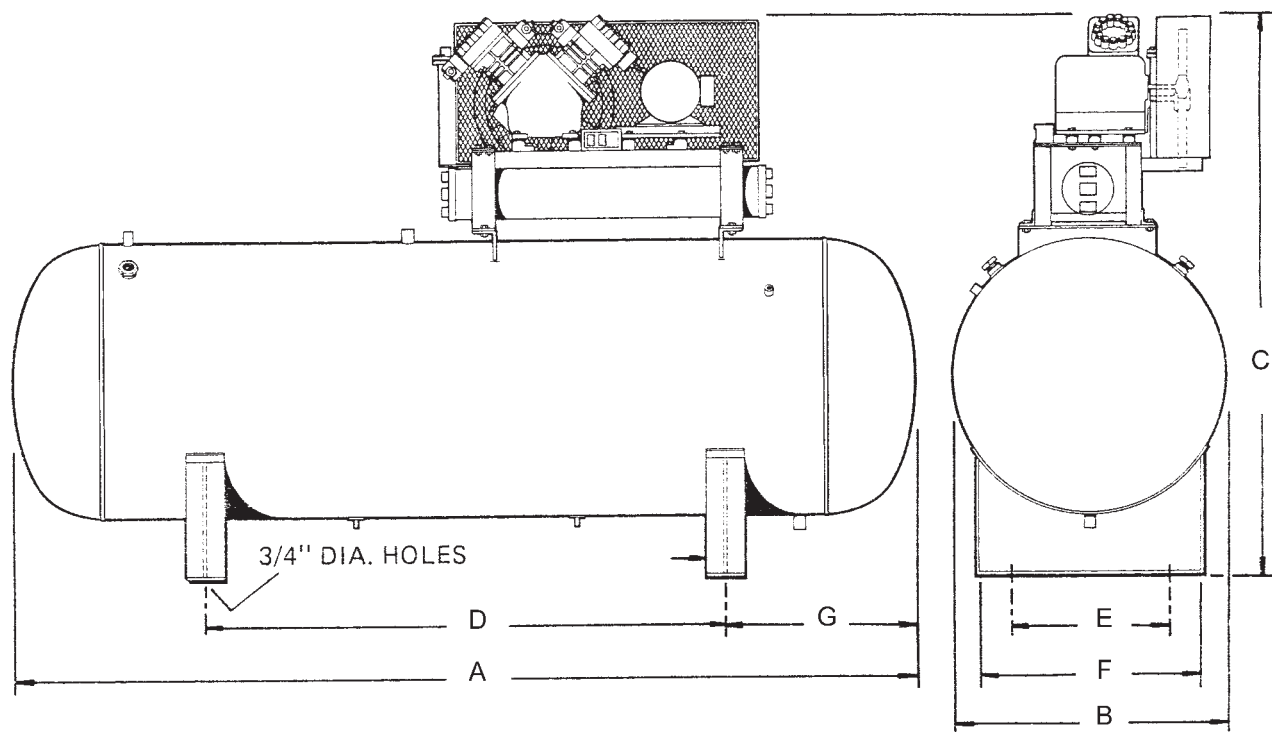
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MODEL	A	B	C	RELIEF VALVES		
				NO.	SIZE	SETTING
RSR-1100V	61"	24"	53"	2	1-1/4" FNPT	50 PSI
RSR-1600V	84"	24"	53-1/8"	2	1-1/4" FNPT	50 PSI
RSR-2212	84"	24"	53-1/8"	2	5/8" FLARE	300 PSI
RSR-2222	93-1/4"	30"	60-1/8"	2	3/4" FNPT	300 PSI

TABLE 3 – RECOVERY RATE AND REFRIGERANT CAPACITY

MODEL	FINAL VACUUM (IN. HG)	VAPOR RECOVERY RATE (LB/MIN)	LIQUID RECOVERY RATE (LB/MIN)	REFRIGERANT CAPACITY 80% FULL AT 90°F	
				CFC-12	HCFC-22
RSR-3436	17.2	11.00	241.5	3976	3612
				3503	3657
				3752	
RSR-3445	17.2	11.00	241.5	4993	4535
				4399	4591
				4712	

**DIMENSIONS
MODELS RSR-3436 AND -3445**



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MODEL	A	B	C*	D	E	F	G	RELIEF VALVES		
								NO.s	SIZE	SETTING
RSR-3436	119"	36"	77"	69"	20"	30"	25"	2	1" FNPT	300 PSI
RSR-3445	112"	42"	90"	64"	30"	40"	24"	2	1" FNPT	300 PSI

* Wheels add 13" to overall height dimension "C".

OPERATIONS

	TO REMOVE LIQUID FROM CHILLER	TO REMOVE GAS FROM CHILLER	TO REMOVE OIL FROM REFRIGERANT	TO RECHARGE CHILLER	
				STEP 1 GAS OFF	STEP 2 LIQUID CHARGE
RSR SYSTEM					
VALVE 1	OPEN	CLOSED	OPEN	OPEN	CLOSED
VALVE 2	CLOSED	OPEN	CLOSED	1 & 4	OPEN
VALVE 3	OPEN	CLOSED	OPEN	OR	CLOSED
VALVE 4	CLOSED	OPEN	CLOSED	2 & 3	OPEN
VALVE 5	OPEN	CLOSED	CLOSED	CLOSED	OPEN
COMPRESSOR	ON	ON	ON	OFF	ON
WATER TO CONDENSER	OFF	ON	OFF	OFF	OFF
CHILLER					
VALVE 6	OPEN	CLOSED	CLOSED	CLOSED	OPEN
VALVE 7	OPEN	OPEN	OPEN	OPEN	OPEN
CHILLER WATER PUMP	OFF	ON	ON	ON	OFF
CONDENSER WATER PUMP	OFF	OFF	EITHER ONE ON	OFF	OFF

RSR SYSTEM FLOW DIAGRAM

