

CARLYLE SCROLL COMPRESSOR SPECIFICATIONS



MODEL SRH942AE

400 VOLTS, THREE PHASE, 50HZ, R-22

NOMINAL PERFORMANCE AT ASRE/T 400 VOLTS

Capacity (Btu/hr).....	79,500
EER (Btu/W-hr).....	11.8
Power(W).....	6750
Current(A).....	12.5

RATING CONDITIONS AT ASRE/T

Condensing Temp.(Deg. F).....	130
Evaporating Temp.(Deg. F).....	45
Return Gas Temp.(Deg. F).....	95
Liquid Temp.(Deg. F).....	115
Ambient Temp.(Deg. F).....	95

MOTOR

Operating Voltage Range.....	342-457
Locked Rotor Amps.....	85.0
Maximum Continuous Current.....	20.0
Rated Load Amps.....	12.8

ELECTRICAL COMPONENTS

Motor Protector Type.....	Internal
Run Capacitor Type.....	N/A

OIL

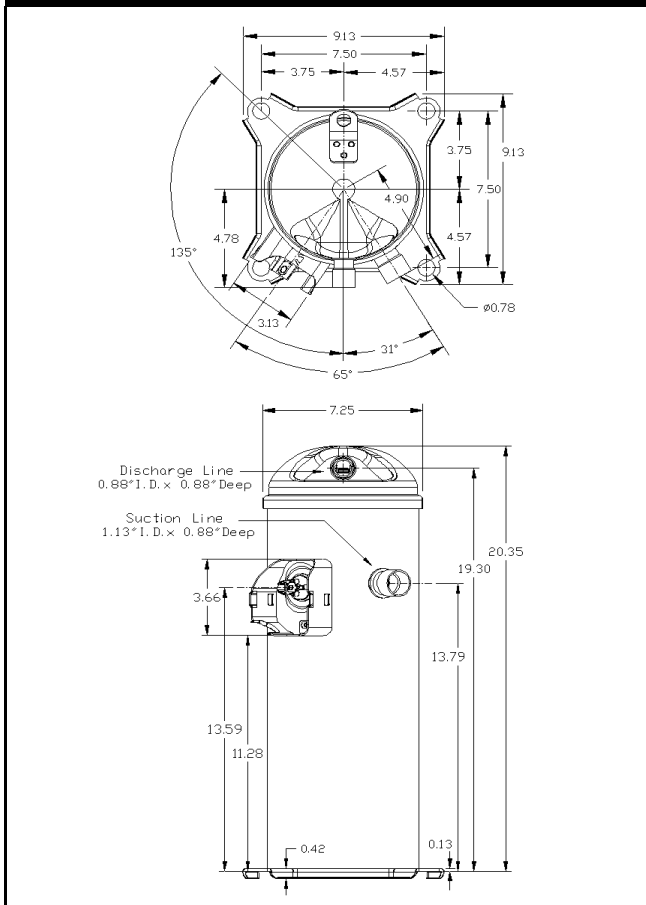
Oil Type.....	Zerol 150T w/ 3% SYN-O-AD
Initial Charge (oz).....	90
Re-Charge (oz).....	84

COMPRESSOR

Maximum Discharge Temp. (Deg. F).....	280
Displacement (cu. in / rev).....	8.00
Weight (lbs.,Wet)	97.0
UL/CSA File #.....	SA11565

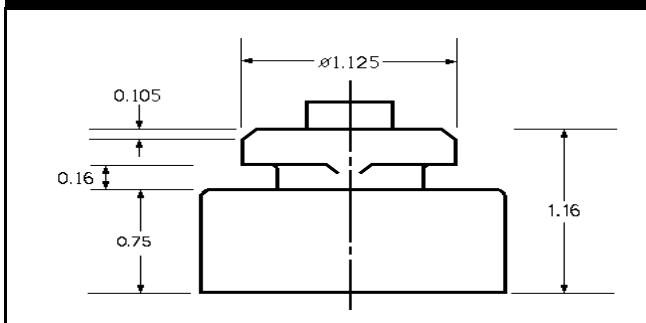
Specifications are subject to change without notice
Nominal performance value +/- 5%
Ratings generated with air over compressor

SR MODEL OUTLINE DIMENSIONS



All dimensions given in inches

ISOLATOR MOUNTING DIAGRAM



79500 Btu/hr

Carlyle Compressor Company

In the U.S.A. and Puerto Rico: 1-800-GO-CARLYLE (1-800-462-2759)

Canada: 1-800-258-1123

Mexico: 001-800-462-2759

Fax: 315-432-3274

MODEL:	SRH942AE	SUBCOOLING:	15' F	
VOLTAGE:	400/460-3-50/60	SUPERHEAT:	20' F	
REFRIGERANT:	R-22	RATING DATE:	Nov-01	

Saturated Condensing		Saturated Evaporating Temperature (Degrees F)															
Temperature (Degrees F)		-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55
80	Capacity (Btu/hr)	21280	25466	29819	34380	39189	44287	49713	55509	61714	68369	75515	83191	91439	100298	109809	120013
	Power (Watts)	3551	3566	3588	3617	3652	3692	3735	3781	3829	3878	3927	3974	4020	4062	4100	4134
	Current (Amps)	8.1	7.7	7.5	7.4	7.5	7.5	7.7	7.8	7.9	8.0	7.9	7.8	7.6	7.2	6.6	5.7
	Flow Rate (lbs/hr)	232	303	371	437	502	567	632	699	767	838	912	991	1074	1164	1260	1364
	EER (Btu/Watt-hr)	6.0	7.1	8.3	9.5	10.7	12.0	13.3	14.7	16.1	17.6	19.2	20.9	22.7	24.7	26.8	29.0
90	Capacity (Btu/hr)		23154	27483	32000	36748	41766	47095	52774	58845	65348	72323	79811	87851	96485	105753	115695
	Power (Watts)		4069	4084	4106	4132	4163	4197	4234	4272	4310	4347	4383	4417	4446	4472	4491
	Current (Amps)		9.6	9.2	8.8	8.7	8.6	8.6	8.6	8.7	8.7	8.7	8.7	8.6	8.3	7.9	7.3
	Flow Rate (lbs/hr)		276	346	415	482	550	618	688	761	836	915	1000	1089	1185	1288	1398
	EER (Btu/Watt-hr)		5.7	6.7	7.8	8.9	10.0	11.2	12.5	13.8	15.2	16.6	18.2	19.9	21.7	23.6	25.8
100	Capacity (Btu/hr)			24999	29470	34152	39087	44314	49874	55807	62154	68954	76249	84079	92484	101505	111182
	Power (Watts)			4591	4610	4634	4661	4691	4724	4757	4790	4821	4851	4878	4900	4918	4929
	Current (Amps)			10.9	10.3	9.9	9.7	9.5	9.5	9.4	9.5	9.5	9.5	9.5	9.4	9.1	8.7
	Flow Rate (lbs/hr)			322	392	461	530	600	673	748	826	909	997	1091	1192	1300	1416
	EER (Btu/Watt-hr)			5.4	6.4	7.4	8.4	9.4	10.6	11.7	13.0	14.3	15.7	17.2	18.9	20.6	22.6
110	Capacity (Btu/hr)					31343	36191	41313	46749	52541	58728	65350	72449	80065	88237	97007	106415
	Power (Watts)					5163	5193	5224	5258	5291	5324	5356	5384	5410	5430	5445	5454
	Current (Amps)					11.3	10.9	10.5	10.4	10.3	10.3	10.3	10.3	10.4	10.4	10.3	10.1
	Flow Rate (lbs/hr)					439	508	580	653	730	810	896	987	1084	1188	1300	1420
	EER (Btu/Watt-hr)					6.1	7.0	7.9	8.9	9.9	11.0	12.2	13.5	14.8	16.2	17.8	19.5
120	Capacity (Btu/hr)							38032	43341	48988	55011	61452	68351	75749	83685	92200	101335
	Power (Watts)							5803	5843	5882	5920	5957	5990	6019	6043	6062	6073
	Current (Amps)							11.7	11.4	11.2	11.1	11.1	11.2	11.3	11.4	11.4	11.4
	Flow Rate (lbs/hr)							559	632	709	790	877	969	1068	1174	1289	1413
	EER (Btu/Watt-hr)							6.6	7.4	8.3	9.3	10.3	11.4	12.6	13.8	15.2	16.7
130	Capacity (Btu/hr)									45089	50945	57201	63896	71072	78768	87026	95884
	Power (Watts)									6536	6585	6632	6675	6713	6746	6773	6792
	Current (Amps)									12.2	12.1	12.0	12.1	12.2	12.4	12.6	12.7
	Flow Rate (lbs/hr)									688	768	854	947	1047	1154	1270	1396
	EER (Btu/Watt-hr)									6.9	7.7	8.6	9.6	10.6	11.7	12.8	14.1
140	Capacity (Btu/hr)											52538	59027	65977	73429	81425	90003
	Power (Watts)											7387	7446	7499	7546	7586	7618
	Current (Amps)											13.1	13.1	13.3	13.5	13.8	14.1
	Flow Rate (lbs/hr)											831	922	1021	1128	1245	1371
	EER (Btu/Watt-hr)											7.1	7.9	8.8	9.7	10.7	11.8
150	Capacity (Btu/hr)													60404	67609	75339	83633
	Power (Watts)													8382	8449	8509	8559
	Current (Amps)													14.5	14.7	15.1	15.5
	Flow Rate (lbs/hr)													994	1100	1215	1340
	EER (Btu/Watt-hr)													7.2	8.0	8.9	9.8

* Specifications are subject to change without notice

Data Based on **400** volts