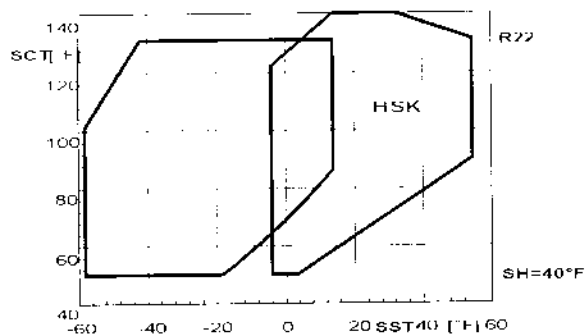


Performance Table: Semi-hermetic Screw Compressors

Compressor type	HSN5351-25	Power supply	460V-3-60Hz
Refrigerant	R22	Max. disch. gas temp. [°F]	180
Operating mode	Standard		
Suction gas superheat [°F]	20		
Liquid subcooling [°F]	15		

tc [°F]	to [°F]	-25	-15	-5	0	+5	+10	+15
110	Qo[BTU/hr]		120978	154907	174032	194735	217124	--
	P [kW]		21.9	23.8	24.8	25.9	27.0	
	I [A]		28.8	31.2	32.5	33.8	35.3	
	EER		5.52	6.52	7.02	7.52	8.03	
	mLP [lb/hr]		1780	2243	2500	2777	3073	
	mHP [lb/hr]		1780	2243	2500	2777	3073	
	Qoil[kBTU/h]		37.2	36.3	36.0	35.8	35.7	
	tcu [°F]		95.0	95.0	95.0	95.0	95.0	
	pm [psig]							
	Qsc[kBTU/h]							
120	Qo[BTU/hr]		111302	143543	161677	181287	202477	--
	P [kW]		23.6	25.5	26.5	27.6	28.7	
	I [A]		30.9	33.3	34.6	36.0	37.4	
	EER		4.72	5.63	6.10	6.57	7.04	
	mLP [lb/hr]		1714	2173	2428	2701	2993	
	mHP [lb/hr]		1714	2173	2428	2701	2993	
	Qoil[kBTU/h]		46.6	46.3	46.4	46.6	46.9	
	tcu [°F]		105.0	105.0	105.0	105.0	105.0	
	pm [psig]							
	Qsc[kBTU/h]							
130	Qo[BTU/hr]		101444	132033	149184	167704	187693	--
	P [kW]		25.3	27.2	28.3	29.4	30.6	
	I [A]		33.1	35.5	36.8	38.2	39.7	
	EER		4.00	4.85	5.28	5.71	6.14	
	mLP [lb/hr]		1639	2095	2347	2617	2905	
	mHP [lb/hr]		1639	2095	2347	2617	2905	
	Qoil[kBTU/h]		56.5	56.9	57.4	58.0	59.0	
	tcu [°F]		115.0	115.0	115.0	115.0	115.0	
	pm [psig]							
	Qsc[kBTU/h]							

Application Limits**Legend**

to [°F]	Evaporation SST
tc [°F]	Condensing SCT
Qo[BTU/hr]	Cooling capacity
P [kW]	Power input
I [A]	Current
EER	COP/EER
mLP [lb/hr]	Mass flow LP
mHP [lb/hr]	Mass flow HP
Qoil[kBTU/hr]	Oil cooler load
tcu [°F]	Liquid temperature
pm [psig]	ECO pressure
Qsc[kBTU/hr]	Sub-cooler capacity (ECO)

-- No calculation possible (see message in single point selection)