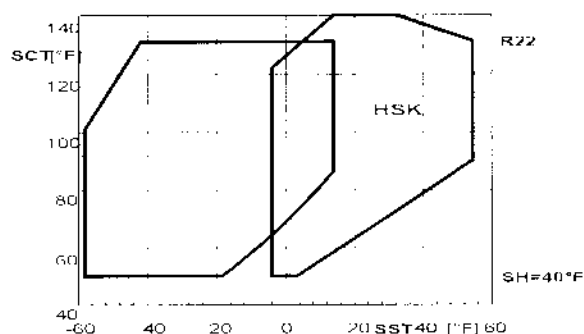


Performance Table: Semi-hermetic Screw Compressors

Compressor type	HSK5341-30	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]	0	+10	+20	+30	+40	+50	+55
110	Qo[BTU/hr]	128394	163732	204919	252684	307813	371152	406184
	P [kW]	21.5	22.7	24.1	25.6	27.3	29.1	30.0
	I [A]	28.3	29.8	31.6	33.5	35.6	37.8	39.0
	EER	5.96	7.21	8.51	9.87	11.29	12.77	13.54
	mLP [lb/hr]	1845	2317	2859	3479	4184	4985	5425
	mHP [lb/hr]	1845	2317	2859	3479	4184	4985	5425
	Qoil[kBTU/h]	37.6	34.9	32.6	30.4	28.4	26.5	25.5
	tcu [°F]	95.0	95.0	95.0	95.0	95.0	95.0	95.0
	pm [psig]							
	Qsc[kBTU/h]							
120	Qo[BTU/hr]	117833	151341	190321	235473	287546	347346	380414
	P [kW]	24.1	25.3	26.6	28.2	29.9	31.8	32.8
	I [A]	31.5	33.0	34.8	36.7	38.8	41.2	42.4
	EER	4.90	5.99	7.14	8.36	9.62	10.93	11.61
	mLP [lb/hr]	1769	2237	2772	3382	4075	4862	5293
	mHP [lb/hr]	1769	2237	2772	3382	4075	4862	5293
	Qoil[kBTU/h]	50.0	48.0	46.3	45.1	44.2	43.8	43.7
	tcu [°F]	105.0	105.0	105.0	105.0	105.0	105.0	105.0
	pm [psig]							
	Qsc[kBTU/h]							
130	Qo[BTU/hr]	--	138460	175065	217407	266197	322196	353155
	P [kW]		28.2	29.7	31.2	33.0	35.0	36.1
	I [A]		36.8	38.5	40.5	42.7	45.2	46.6
	EER		4.91	5.90	6.96	8.06	9.20	9.77
	mLP [lb/hr]		2143	2668	3265	3943	4710	5131
	mHP [lb/hr]		2143	2668	3265	3943	4710	5131
	Qoil[kBTU/h]		62.9	62.3	62.2	62.7	64.0	64.9
	tcu [°F]		115.0	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)

* with suction gas superh. 20°F and liquid sub-cooling 15°F