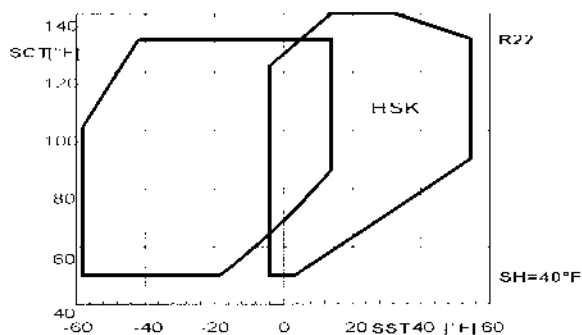


Performance Table: Semi-hermetic Screw Compressors

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
90	Qo[BTU/hr]	147747	186291	231334	283667	344137	413662	452129
	P [kW]	17.40	18.55	19.82	21.2	22.7	24.3	25.1
	I [A]	23.2	24.6	26.2	27.9	29.8	31.8	32.8
	EER	8.49	10.04	11.67	13.38	15.17	17.04	18.01
	mLP [lb/hr]	1956	2433	2981	3610	4329	5146	5595
	mHP [lb/hr]	1956	2433	2981	3610	4329	5146	5595
	Qoil[kBTU/h]	17.31	13.54	9.66	5.65	1.47	0	0
	tcu [°F]	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	pm [psig]							
	Qsc[kBTU/h]							
100	Qo[BTU/hr]	138422	175443	218656	268821	326758	393349	430186
	P [kW]	19.32	20.5	21.9	23.3	25.0	26.6	27.5
	I [A]	25.6	27.1	28.8	30.6	32.6	34.8	35.9
	EER	7.17	8.55	10.00	11.51	13.10	14.76	15.63
	mLP [lb/hr]	1907	2383	2929	3555	4269	5080	5526
	mHP [lb/hr]	1907	2383	2929	3555	4269	5080	5526
	Qoil[kBTU/h]	26.7	23.5	20.5	17.45	14.39	11.21	9.54
	tcu [°F]	85.0	85.0	85.0	85.0	85.0	85.0	85.0
	pm [psig]							
	Qsc[kBTU/h]							
105	Qo[BTU/hr]	133485	169685	211907	260900	317466	382469	418424
	P [kW]	20.4	21.6	22.9	24.5	26.1	27.8	28.7
	I [A]	26.9	28.4	30.1	32.0	34.1	36.3	37.4
	EER	6.55	7.86	9.24	10.67	12.17	13.74	14.56
	mLP [lb/hr]	1878	2352	2897	3519	4230	5036	5479
	mHP [lb/hr]	1878	2352	2897	3519	4230	5036	5479
	Qoil[kBTU/h]	32.0	29.1	26.3	23.7	21.2	18.65	17.33
	tcu [°F]	90.0	90.0	90.0	90.0	90.0	90.0	90.0
	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