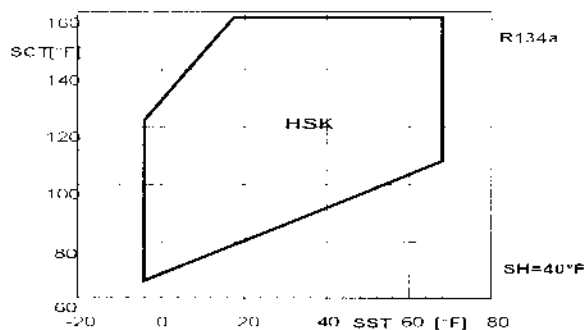


Performance Table: Semi-hermetic Screw Compressors

Compressor type	HSK5341-30	Power supply	230V-3-60Hz
Refrigerant	R134a	Max. disch. gas temp [°F]	180
Operating mode	Standard		
Suction gas superheat [°F]	20		
Liquid subcooling [°F]	15.00		

tc [°F]	to [°F]	0	+10	+20	+30	+40	+45	+55
110	Qo[BTU/hr]	75171	101048	131277	166794	208553	232084	285101
	P [kW]	13.16	13.93	14.68	15.41	16.12	16.47	17.16
	I [A]	36.4	38.2	39.9	41.6	43.3	44.2	45.8
	EER	5.71	7.26	8.94	10.83	12.94	14.09	16.61
	mLP [lb/hr]	1188	1559	1978	2457	3006	3310	3983
	mHP [lb/hr]	1188	1559	1978	2457	3006	3310	3983
	Qoil[kBTU/h]	10.56	4.94	0	0	0	0	0
	tcu [°F]	95.0	95.0	95.0	95.0	95.0	95.0	95.0
	pm [psig]							
120	Qo[BTU/hr]	66848	91501	120269	154028	193689	216029	266353
	P [kW]	14.72	15.56	16.39	17.20	17.99	18.38	19.15
	I [A]	40.0	42.0	44.0	45.9	47.9	48.8	50.7
	EER	4.54	5.88	7.34	8.96	10.77	11.75	13.91
	mLP [lb/hr]	1118	1492	1913	2392	2939	3242	3912
	mHP [lb/hr]	1118	1492	1913	2392	2939	3242	3912
	Qoil[kBTU/h]	19.16	14.01	8.75	3.34	0	0	0
	tcu [°F]	105.0	105.0	105.0	105.0	105.0	105.0	105.0
	pm [psig]							
130	Qo[BTU/hr]	--	81167	108410	140336	177805	198900	246410
	P [kW]		17.76	18.64	19.52	20.4	20.8	21.7
	I [A]		47.3	49.5	51.6	53.8	54.9	57.0
	EER		4.57	5.82	7.19	8.72	9.55	11.37
	mLP [lb/hr]		1404	1827	2306	2852	3153	3818
	mHP [lb/hr]		1404	1827	2306	2852	3153	3818
	Qoil[kBTU/h]		25.6	20.9	16.24	11.56	9.24	4.66
	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