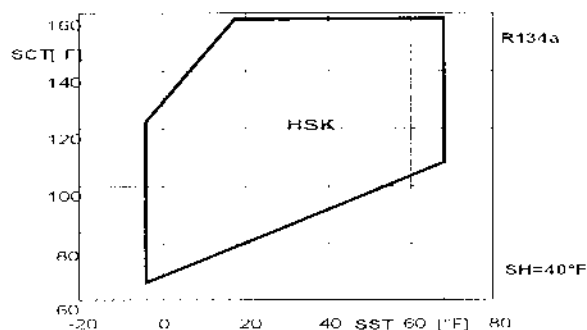


Performance Table: Semi-hermetic Screw Compressors

Compressor type	HSK6461-60	Power supply	460V-3-60Hz
Refrigerant	R134a	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
120	Qo[BTU/hr]	139505	188575	247365	317459	400589	498645	553908
	P [kW]	30.7	31.6	32.5	33.6	34.7	35.9	36.6
	I [A]	45.6	46.5	47.6	48.7	50.0	51.4	52.1
	EER	4.54	5.97	7.60	9.45	11.54	13.88	15.15
	mLP [lb/hr]	2334	3074	3934	4929	6079	7402	8135
	mHP [lb/hr]	2334	3074	3934	4929	6079	7402	8135
	Qoil[kBTU/h]	40.0	27.2	13.98	0	0	0	0
	tco [°F]	105.0	105.0	105.0	105.0	105.0	105.0	105.0
	pm [psig]							
	Qsc[kBTU/h]							
130	Qo[BTU/hr]	--	167897	223305	289325	367609	459966	512034
	P [kW]		35.4	36.4	37.5	38.6	39.8	40.4
	I [A]		50.8	51.9	53.1	54.5	55.9	56.6
	EER		4.74	6.13	7.72	9.52	11.55	12.66
	mLP [lb/hr]		2905	3763	4754	5895	7207	7933
	mHP [lb/hr]		2905	3763	4754	5895	7207	7933
	Qoil[kBTU/h]		48.6	36.3	24.0	11.80	0	0
	tco [°F]		115.0	115.0	115.0	115.0	115.0	115.0
	pm [psig]							
	Qsc[kBTU/h]							
140	Qo[BTU/hr]	--	145868	197748	259560	332877	419417	468226
	P [kW]		39.8	40.8	41.9	43.0	44.2	44.8
	I [A]		55.8	57.0	58.3	59.6	61.0	61.8
	EER		3.67	4.85	6.20	7.74	9.49	10.45
	mLP [lb/hr]		2692	3548	4534	5666	6965	7684
	mHP [lb/hr]		2692	3548	4534	5666	6965	7684
	Qoil[kBTU/h]		72.7	61.6	50.7	40.1	30.0	25.2
	tco [°F]		125.0	125.0	125.0	125.0	125.0	125.0
	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
tco [°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