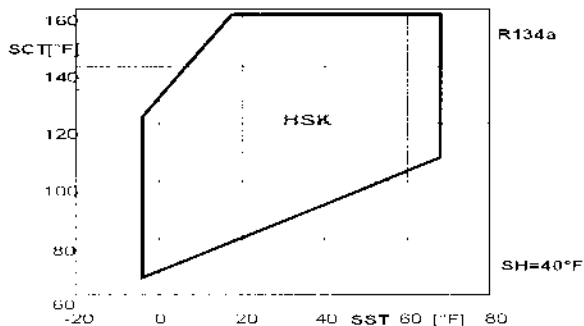


Performance Table: Semi-hermetic Screw Compressors

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
90	Qo[BTU/hr]	186074	243053	311630	393580	--	--	--
	P [kW]	21.6	22.6	23.7	24.8			
	I [A]	36.4	37.3	38.3	39.4			
	EER	8.60	10.75	13.17	15.87			
	mLP [lb/hr]	2655	3392	4257	5267			
	mHP [lb/hr]	2655	3392	4257	5267			
	Qoil[kBTU/	0	0	0	0			
	tcu [°F]	75.0	75.0	75.0	75.0			
	pm [psig]							
	Qsc[kBTU/h							
100	Qo[BTU/hr]	171406	225601	291174	369240	461872	571114	632655
	P [kW]	24.2	25.2	26.2	27.2	28.4	29.6	30.3
	I [A]	38.9	39.8	40.8	41.9	43.1	44.4	45.1
	EER	7.07	8.98	11.13	13.55	16.26	19.27	20.9
	mLP [lb/hr]	2570	3308	4171	5177	6343	7688	8434
	mHP [lb/hr]	2570	3308	4171	5177	6343	7688	8434
	Qoil[kBTU/	6.03	0	0	0	0	0	0
	tcu [°F]	85.0	85.0	85.0	85.0	85.0	85.0	85.0
	pm [psig]							
	Qsc[kBTU/h							
110	Qo[BTU/hr]	156016	207773	269879	343987	431898	535583	594005
	P [kW]	27.3	28.1	29.1	30.2	31.3	32.5	33.2
	I [A]	41.9	42.8	43.9	45.0	46.2	47.6	48.3
	EER	5.72	7.38	9.27	11.40	13.79	16.46	17.91
	mLP [lb/hr]	2466	3205	4066	5067	6225	7559	8299
	mHP [lb/hr]	2466	3205	4066	5067	6225	7559	8299
	Qoil[kBTU/	21.8	8.46	0	0	0	0	0
	tcu [°F]	95.0	95.0	95.0	95.0	95.0	95.0	95.0
	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