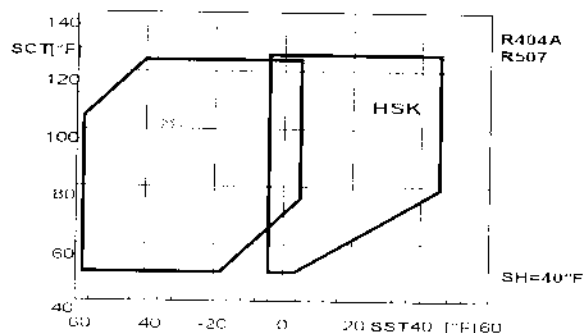


Performance Table: Semi-hermetic Screw Compressors

Compressor type	HSK5341-30	Power supply	230V-3-60Hz
Refrigerant	R404A	Max. disch. gas temp. [°F]	180
Operating mode	Standard		
Suction gas superheat [°F]	40		
Liquid subcooling [°F]	15		

tc [°F]	to [°F]	0	+10	+20	+25	+30	+35	+40
90	Qo[BTU/hr]	161903	204350	254105	282079	312317	344975	380216
	P [kW]	20.5	21.3	21.6	21.6	21.5	21.3	21.0
	I [A]	54.0	56.0	56.8	56.8	56.5	56.0	55.3
	EER	7.91	9.61	11.77	13.07	14.55	16.22	18.13
	mLP [lb/hr]	2672	3285	3984	4369	4780	5219	5688
	mHP [lb/hr]	2672	3285	3984	4369	4780	5219	5688
	Qoil[kBTU/h]	1.41	0	0	0	0	0	0
	tcu [°F]	74.7	74.7	74.7	74.7	74.7	74.7	74.7
	pm [psig]							
	Qsc[kBTU/h]							
100	Qo[BTU/hr]	147137	187159	233963	260261	288688	319400	352561
	P [kW]	22.2	23.4	24.2	24.4	24.6	24.7	24.8
	I [A]	58.4	61.3	63.3	64.0	64.4	64.8	65.0
	EER	6.62	8.00	9.68	10.66	11.73	12.91	14.20
	mLP [lb/hr]	2597	3212	3910	4293	4702	5139	5605
	mHP [lb/hr]	2597	3212	3910	4293	4702	5139	5605
	Qoil[kBTU/h]	12.23	6.28	0	0	0	0	0
	tcu [°F]	84.7	84.7	84.7	84.7	84.7	84.7	84.7
	pm [psig]							
	Qsc[kBTU/h]							
105	Qo[BTU/hr]	139316	178128	223419	248843	276317	305995	338039
	P [kW]	23.1	24.5	25.5	25.9	26.2	26.5	26.8
	I [A]	60.7	64.1	66.6	67.6	68.5	69.3	69.9
	EER	6.02	7.27	8.77	9.61	10.54	11.54	12.62
	mLP [lb/hr]	2551	3168	3865	4247	4655	5090	5554
	mHP [lb/hr]	2551	3168	3865	4247	4655	5090	5554
	Qoil[kBTU/h]	18.06	13.04	7.04	3.78	0	0	0
	tcu [°F]	89.7	89.7	89.7	89.7	89.7	89.7	89.7
	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/h]	Oil cooler load
tcu [°F]	Liquid temperature
pm [psig]	ECO pressure
Qsc[kBTU/h]	Sub-cooler capacity (ECO)

-- No calculation possible (see message in single point selection)

* with suction gas superh 40°F and liquid sub-cooling 15°F