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HSN 5341 - 20 MEDIUM TEMP R-404A

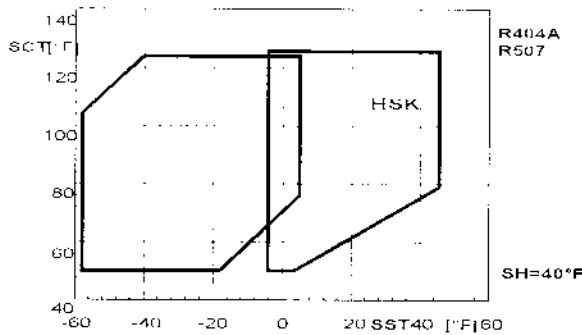
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Performance Table: Semi-hermetic Screw Compressors

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	+30	+40	+45	+50
110	Qo[BTU/hr]	131153	168786	212564	263603	323104	356434	--
	P [kW]	24.1	25.6	26.8	27.8	28.7	29.2	
	I [A]	63.0	67.0	70.0	72.5	74.7	75.9	
	EER	5.45	6.59	7.92	9.48	11.25	12.22	
	mLP [lb/hr]	2496	3117	3814	4602	5496	5988	
	mHP [lb/hr]	2496	3117	3814	4602	5496	5988	
	Qoil[kBTU/h]	24.2	20.1	15.22	9.96	4.82	2.45	
	tcu [°F]	94.7	94.7	94.7	94.7	94.7	94.7	
	pm [psig]							
	Qsc[kBTU/h]							
120	Qo[BTU/hr]	113580	149028	189858	237159	292076	322773	--
	P [kW]	25.9	27.9	29.5	30.8	32.1	32.9	
	I [A]	67.7	72.7	76.7	80.0	83.3	85.1	
	EER	4.38	5.34	6.44	7.69	9.09	9.82	
	mLP [lb/hr]	2355	2990	3692	4477	5361	5846	
	mHP [lb/hr]	2355	2990	3692	4477	5361	5846	
	Qoil[kBTU/h]	37.4	35.2	32.3	29.3	27.0	26.2	
	tcu [°F]	104.8	104.8	104.8	104.8	104.8	104.8	
	pm [psig]							
	Qsc[kBTU/h]							
130	Qo[BTU/hr]	--	--	--	--	--	--	--
	P [kW]							
	I [A]							
	EER							
	mLP [lb/hr]							
	mHP [lb/hr]							
	Qoil[kBTU/h]							
	tcu [°F]							
	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 40°F and liquid sub-cooling 15°F