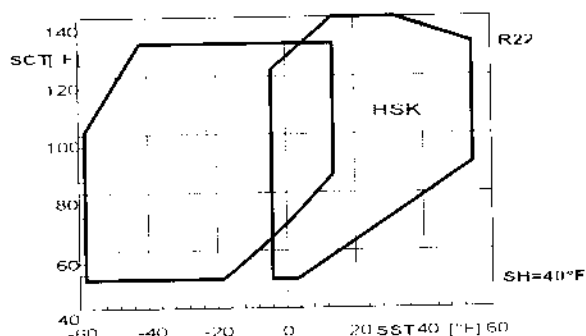


Performance Table: Semi-hermetic Screw Compressors

Compressor type	HSN5341-20	Power supply	460V-3-60Hz
Refrigerant	R22	Max. disch. gas temp. [°F]	180
Operating mode	Standard		
Suction gas superheat [°F]	20		
Liquid subcooling [°F]	15		

tc [°F]	to [°F]	-55	-45	-35	-25	-15	-5	0
90	Qo[BTU/hr]	31809	47113	65104	86413	111680	141565	158454
	P [kW]	12.00	12.58	13.43	14.55	15.89	17.43	18.27
	I [A]	19.90	20.5	21.3	22.5	24.0	25.7	26.7
	EER	2.65	3.75	4.85	5.94	7.03	8.12	8.67
	mLP [lb/hr]	460	669	909	1188	1512	1888	2098
	mHP [lb/hr]	460	669	909	1188	1512	1888	2098
	Qoil[kBTU/h]	28.2	25.1	22.7	20.8	19.20	17.85	17.22
	tco [°F]	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	pm [psig]							
	Qsc[kBTU/h]							
100	Qo[BTU/hr]	27465	42363	59725	80172	104331	132843	148939
	P [kW]	13.17	13.81	14.71	15.85	17.22	18.80	19.67
	I [A]	21.1	21.7	22.7	23.9	25.5	27.4	28.4
	EER	2.09	3.07	4.06	5.06	6.06	7.07	7.57
	mLP [lb/hr]	415	628	870	1149	1471	1844	2052
	mHP [lb/hr]	415	628	870	1149	1471	1844	2052
	Qoil[kBTU/h]	33.8	31.0	28.9	27.3	26.1	25.3	24.9
	tco [°F]	85.0	85.0	85.0	85.0	85.0	85.0	85.0
	pm [psig]							
	Qsc[kBTU/h]							
105	Qo[BTU/hr]	25143	39873	56942	76971	100582	128408	144106
	P [kW]	13.69	14.41	15.36	16.53	17.91	19.50	20.4
	I [A]	21.6	22.4	23.4	24.7	26.3	28.2	29.3
	EER	1.84	2.77	3.71	4.66	5.62	6.59	7.08
	mLP [lb/hr]	388	605	848	1127	1448	1820	2027
	mHP [lb/hr]	388	605	848	1127	1448	1820	2027
	Qoil[kBTU/h]	36.5	34.0	32.1	30.7	29.8	29.1	28.9
	tco [°F]	90.0	90.0	90.0	90.0	90.0	90.0	90.0
	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/h]	Oil cooler load
tco [°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. 20°F and liquid sub-cooling 15°F