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HSN 5341 - 20 LOW TEMP R-22

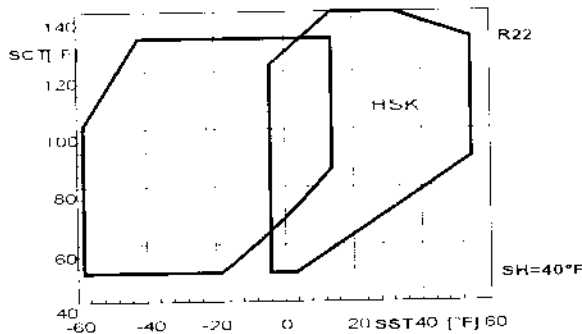
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**Performance Table: Semi-hermetic Screw Compressors**

Compressor type	<b>HSN5341-20</b>	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
110	Qo[BTU/hr]	--	37292	54089	73713	96783	123926	139225
	P [kW]		14.99	16.02	17.22	18.62	20.2	21.1
	I [A]		23.0	24.1	25.5	27.2	29.1	30.2
	EER		2.49	3.38	4.28	5.20	6.13	6.61
	mLP [lb/hr]		578	824	1103	1424	1794	2000
	mHP [lb/hr]		578	824	1103	1424	1794	2000
	Qoil[kBTU/h]		36.9	35.4	34.3	33.5	33.1	33.1
	tcu [°F]		95.0	95.0	95.0	95.0	95.0	95.0
	pm [psig]							
	Qsc[kBTU/h]							
120	Qo[BTU/hr]	--	31821	48154	67021	89042	114834	129341
	P [kW]		16.04	17.30	18.62	20.1	21.7	22.5
	I [A]		24.1	25.6	27.2	28.9	30.9	32.0
	EER		1.98	2.78	3.60	4.44	5.30	5.74
	mLP [lb/hr]		518	769	1050	1371	1738	1942
	mHP [lb/hr]		518	769	1050	1371	1738	1942
	Qoil[kBTU/h]		42.7	42.0	41.6	41.3	41.4	41.6
	tcu [°F]		105.0	105.0	105.0	105.0	105.0	105.0
	pm [psig]							
	Qsc[kBTU/h]							
130	Qo[BTU/hr]	--	--	41935	60131	81156	105626	119347
	P [kW]			18.51	20.0	21.5	23.2	24.0
	I [A]			27.0	28.9	30.8	32.8	34.0
	EER			2.27	3.00	3.77	4.56	4.97
	mLP [lb/hr]			704	990	1311	1676	1878
	mHP [lb/hr]			704	990	1311	1676	1878
	Qoil[kBTU/h]			48.7	49.1	49.5	50.2	50.7
	tcu [°F]			115.0	115.0	115.0	115.0	115.0
	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