



HSK 5351-30

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All data subject to change.

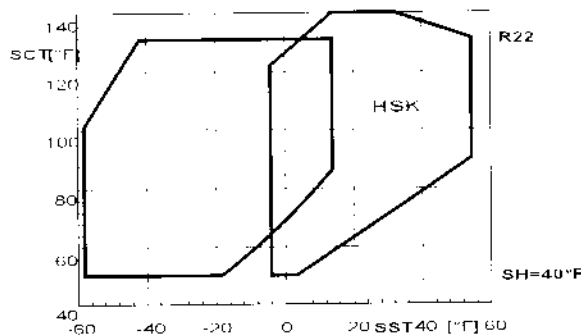
7/6/2001

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

Compressor type	<b>HSK5341-30</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]	-20	-10	0	+10	+20	+30	+40
90	Qo[BTU/hr]	--	--	147747	186291	231334	283667	344137
	P [kW]			17.40	18.55	19.82	21.2	22.7
	I [A]			23.2	24.6	26.2	27.9	29.8
	EER			8.49	10.04	11.67	13.38	15.17
	mLP [lb/hr]			1956	2433	2981	3610	4329
	mHP [lb/hr]			1956	2433	2981	3610	4329
	Qoil[kBTU/h]			17.31	13.54	9.66	5.65	1.47
	tcu [°F]			75.0	75.0	75.0	75.0	75.0
	pm [psig]							
	Qsc[kBTU/h]							
100	Qo[BTU/hr]	--	--	138422	175443	218656	268821	326758
	P [kW]			19.32	20.5	21.9	23.3	25.0
	I [A]			25.6	27.1	28.8	30.6	32.6
	EER			7.17	8.55	10.00	11.51	13.10
	mLP [lb/hr]			1907	2383	2929	3555	4269
	mHP [lb/hr]			1907	2383	2929	3555	4269
	Qoil[kBTU/h]			26.7	23.5	20.5	17.45	14.39
	tcu [°F]			85.0	85.0	85.0	85.0	85.0
	pm [psig]							
	Qsc[kBTU/h]							
105	Qo[BTU/hr]	--	--	133485	169685	211907	260900	317466
	P [kW]			20.4	21.6	22.9	24.5	26.1
	I [A]			26.9	28.4	30.1	32.0	34.1
	EER			6.55	7.86	9.24	10.67	12.17
	mLP [lb/hr]			1878	2352	2897	3519	4230
	mHP [lb/hr]			1878	2352	2897	3519	4230
	Qoil[kBTU/h]			32.0	29.1	26.3	23.7	21.2
	tcu [°F]			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/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