



HSN 5351-25

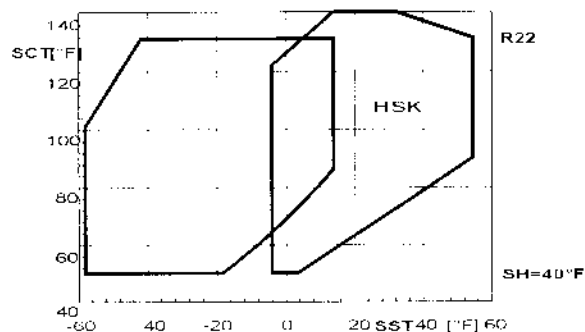
Version 2.2 – © 2000, BITZER Germany
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Performance Table: Semi-hermetic Screw Compressors

Compressor type	HSN5351-25	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]	-25	-15	-5	0	+5	+10	+15
90	Qo[BTU/hr]		139599	176956	198067	220948	245714	--
	P [kW]		18.69	20.5	21.5	22.5	23.6	
	I [A]		24.8	27.0	28.3	29.6	31.0	
	EER		7.47	8.63	9.21	9.81	10.40	
	mLP [lb/hr]		1889	2360	2622	2905	3208	
	mHP [lb/hr]		1889	2360	2622	2905	3208	
	Qoil[kBTU/h]		20.0	17.94	16.94	15.95	14.95	
	tcu [°F]		75.0	75.0	75.0	75.0	75.0	
	pm [psig]							
	Qsc[kBTU/h]							
100	Qo[BTU/hr]		130413	166053	186173	207970	231553	--
	P [kW]		20.3	22.1	23.1	24.2	25.3	
	I [A]		26.7	29.1	30.4	31.7	33.1	
	EER		6.44	7.51	8.05	8.59	9.14	
	mLP [lb/hr]		1839	2305	2565	2845	3145	
	mHP [lb/hr]		1839	2305	2565	2845	3145	
	Qoil[kBTU/h]		28.3	26.9	26.2	25.7	25.2	
	tcu [°F]		85.0	85.0	85.0	85.0	85.0	
	pm [psig]							
	Qsc[kBTU/h]							
105	Qo[BTU/hr]		125726	160509	180132	201382	224369	--
	P [kW]		21.1	22.9	24.0	25.0	26.2	
	I [A]		27.8	30.1	31.4	32.8	34.2	
	EER		5.97	7.00	7.52	8.04	8.57	
	mLP [lb/hr]		1810	2275	2534	2812	3110	
	mHP [lb/hr]		1810	2275	2534	2812	3110	
	Qoil[kBTU/h]		32.7	31.5	31.1	30.7	30.4	
	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)