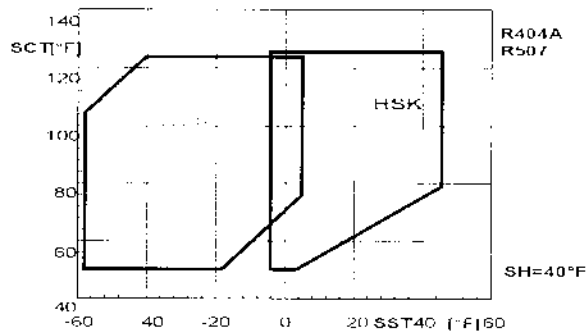


## Performance Table: Semi-hermetic Screw Compressors

Compressor type	<b>HSK5341-30</b>	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
90	Qo[BTU/hr]	161903	204350	254105	312317	380216	418209	--
	P [kW]	20.5	21.3	21.6	21.5	21.0	20.6	
	I [A]	54.0	56.0	56.8	56.5	55.3	54.3	
	EER	7.91	9.61	11.77	14.55	18.13	20.3	
	mLP [lb/hr]	2672	3285	3984	4780	5688	6188	
	mHP [lb/hr]	2672	3285	3984	4780	5688	6188	
	Qoil[kBTU/	1.41	0	0	0	0	0	
	tcu [°F]	74.7	74.7	74.7	74.7	74.7	74.7	
	pm [psig]							
	Qsc[kBTU/h							
	100	Qo[BTU/hr]	147137	187159	233963	288688	352561	388341
P [kW]		22.2	23.4	24.2	24.6	24.8	24.9	
I [A]		58.4	61.3	63.3	64.4	65.0	65.1	
EER		6.62	8.00	9.68	11.73	14.20	15.62	
mLP [lb/hr]		2597	3212	3910	4702	5605	6102	
mHP [lb/hr]		2597	3212	3910	4702	5605	6102	
Qoil[kBTU/		12.23	6.28	0	0	0	0	
tcu [°F]		84.7	84.7	84.7	84.7	84.7	84.7	
pm [psig]								
Qsc[kBTU/h								
105		Qo[BTU/hr]	139316	178128	223419	276317	338039	372620
	P [kW]	23.1	24.5	25.5	26.2	26.8	27.0	
	I [A]	60.7	64.1	66.6	68.5	69.9	70.6	
	EER	6.02	7.27	8.77	10.54	12.62	13.78	
	mLP [lb/hr]	2551	3168	3865	4655	5554	6048	
	mHP [lb/hr]	2551	3168	3865	4655	5554	6048	
	Qoil[kBTU/	18.06	13.04	7.04	0	0	0	
	tcu [°F]	89.7	89.7	89.7	89.7	89.7	89.7	
	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