

S325 Series hp Enerflex

Kobelco KS23LNB Gas Screw Compressor Flow Table - Caterpillar G3406 TA Driver

Discharge Pressure (psig)

Pressure	Discharge Pressure (psig)												
	85	100	120	140	160	180	200	220	240	260	280	300	
0	0.965	0.957	0.947	0.936	0.925	0.913	0.900	0.887	0.875	0.845	0.754	0.674	
	147	159	176	191	208	224	240	256	273	285	285	285	
10	1.757	1.747	1.736	1.723	1.715	1.703	1.690	1.515	1.262	0.765	1.261	1.103	
	169	188	209	231	248	264	281	285	285	285	285	285	
20	2.539	2.528	2.511	2.495	2.484	2.337	2.060	1.762	1.498	1.113	x	x	
	173	199	226	251	275	285	285	285	285	285	x	x	
30	3.356	3.344	3.300	3.278	3.199	2.853	2.547	2.233	1.864	1.438	x	x	
	219	211	231	266	285	285	285	285	285	285	x	x	
40	x	4.141	4.127	4.078	3.881	3.427	3.102	2.667	2.291	1.919	x	x	
	x	258	248	263	285	285	285	285	285	285	x	x	
50	x	x	4.733	4.903	4.689	4.166	3.668	3.184	2.747	2.362	1.953	x	
	x	x	285	285	285	285	285	285	285	285	285	x	
60	x	x	x	4.947	5.082	4.932	4.387	3.823	3.250	2.804	2.417	x	
	x	x	x	285	285	285	285	285	285	285	285	x	
70	x	x	x	x	5.120	5.279	5.190	4.519	3.877	3.354	2.838	x	
	x	x	x	x	285	285	285	285	285	285	285	x	
80	x	x	x	x	x	5.195	5.382	5.267	4.521	3.962	3.382	2.906	
	x	x	x	x	x	285	285	285	285	285	285	285	
85	x	x	x	x	x	x	4.985	5.154	4.911	4.229	3.364	3.150	
	x	x	x	x	x	x	285	285	285	285	285	285	

-Flow Rate in MMScfd -2% (Vi ratio) Slide Valve Position %

-Brake Horsepower Required - 285 HP Available +4%

X -Not Usable

-Oil Pump 35 GPM Required For Differential Pressure Below 80 PSI

80 - 100 % Of Full Load

60 - 80 % Of Full Load

40 - 60 % Of Full Load

20 - 40 % Of Full Load

Operating Conditions : Ambient Temperature 95 deg.F; Inlet Temperature 60 deg.F; Discharge Temperature 185 deg.F; Oil Supply Temp. 140 deg.F, Elevation 2500 feet; SG = 0.65; RPM=1800

This chart is created by Jiro Engineering using Kobelco sizing program Version 2.0.5 and is for reference only. Please call Jiro Engineering for final sizing.