

S400 Series Enerflex

Kobelco KS23LLNB Gas Screw Compressor Flow Table - Waukesha F18GL Driver

Discharge Pressure (psig)

Pressure		85	100	120	140	160	180	200	220	240	250
		0	1.155 179	1.144 193	1.129 213	1.120 233	1.095 253	1.076 274	1.057 292	1.038 313	0.959 333
S	10	2.113 204	2.098 227	2.081 254	2.061 279	2.050 302	2.031 322	2.012 342	1.992 362	1.779 370	1.585 370
	20	3.065 209	3.042 239	3.015 279	2.996 304	2.977 334	2.956 359	2.759 370	2.409 370	2.087 370	1.848 370
U	30	4.064 240	4.033 239	3.973 279	3.941 318	3.913 358	3.736 370	3.332 370	2.985 370	2.557 370	2.287 370
	40	x x	5.029 320	4.977 279	4.909 318	4.873 358	4.475 370	3.950 370	3.646 370	3.104 370	2.816 370
C	50	x x	x x	5.895 370	5.966 358	5.861 358	5.364 370	4.826 370	4.248 370	3.596 370	3.381 370
		60	x x	x x	6.129 370	6.337 370	6.341 370	5.679 370	5.088 370	4.423 370	4.030 370
I	70	x x	x x	x x	x x	6.407 370	6.558 370	6.560 370	5.899 370	5.179 370	4.767 370
	80	x x	x x	x x	x x	x 370	6.557 370	6.760 370	6.829 370	5.987 370	5.516 370
O	85	x x	x x	x x	x x	x x	x x	6.293 370	6.476 370	6.397 370	5.977 370

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

-Brake Horsepower Required - 370 HP Available +4%

X -Not Usable

-Oil Pump 50 GPM Required For Differential Pressure Below 80 PSI

90 - 100 % Of Full Load

80 - 90 % Of Full Load

70 - 80 % Of Full Load

60 - 70 % 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.