

Kobelco KS28LNB Gas Screw Compressor Flow Table (530 hp)

Discharge Pressure (psig)

	80	100	120	140	160	180	200	220	240	260	280	300
0	1.615, 236	1.603, 262	1.587, 288	1.570, 315	1.553, 342	1.534, 369	1.515, 394	1.495, 421	1.475, 448	1.454, 475	1.382, 490	1.227, 490
5	2.280, 255	2.262, 291	2.243, 326	2.231, 349	2.214, 375	2.195, 401	2.175, 428	2.154, 455	2.134, 481	2.001, 490	1.799, 490	1.668, 490
10	2.916, 267	2.895, 310	2.879, 345	2.860, 380	2.847, 409	2.828, 434	2.809, 461	2.788, 488	2.434, 490	1.860, 490	2.236, 490	2.024, 490
15	3.559, 274	3.535, 319	3.514, 362	3.496, 398	3.476, 433	3.454, 468	3.385, 490	3.040, 490	2.690, 490	2.069, 490	1.484, 490	
20	4.211, 271	4.178, 327	4.155, 371	4.132, 416	4.114, 453	4.092, 488	3.695, 490	3.289, 490	2.846, 490	2.336, 490	1.777, 490	
25	4.903, 270	4.830, 326	4.798, 382	4.775, 424	4.750, 468	4.534, 490	4.117, 490	3.775, 490	3.176, 490	2.589, 490	2.048, 490	1.494, 490
30	5.568, 267	5.490, 323	5.449, 380	5.418, 436	5.395, 477	5.010, 490	4.511, 490	4.063, 490	3.465, 490	2.900, 490	2.390, 490	1.830, 490
35		6.193, 322	6.108, 378	6.070, 434	6.038, 491	5.948, 490	4.994, 490	4.427, 490	3.893, 490	3.285, 490	2.701, 490	2.144, 490
40		6.863, 319	6.813, 375	6.727, 432	6.691, 488	5.928, 490	5.475, 490	4.893, 490	4.182, 490	3.594, 490	3.022, 490	2.462, 490
45			7.487, 374	7.392, 430	7.348, 487	6.580, 490	5.860, 490	5.343, 490	4.608, 490	3.938, 490	3.346, 490	2.808, 490
50			8.160, 371	8.108, 428	8.011, 485	7.184, 490	6.465, 490	5.635, 490	5.040, 490	4.345, 490	3.746, 490	3.124, 490
55				8.787, 426	8.687, 483	7.854, 490	6.999, 490	6.272, 490	5.479, 490	4.759, 490	4.075, 490	3.487, 490
60					9.408, 481	8.515, 490	7.651, 490	6.764, 490	5.917, 490	5.182, 490	4.471, 490	3.817, 490
65					10.087, 479	9.220, 490	8.212, 490	7.487, 490	6.380, 490	5.578, 490	4.876, 490	4.195, 490
70							8.880, 490	8.012, 490	7.003, 490	6.030, 490	5.261, 490	4.584, 490
75							9.590, 490	8.646, 490	7.482, 490	6.591, 490	5.679, 490	4.942, 490
80								9.182, 490	8.122, 490	7.047, 490	6.198, 490	5.341, 490
85								9.890, 490	8.639, 490	7.661, 490	6.634, 490	5.822, 490

Flow Rate (MMscfd)
 Horse Power (max. usable = 490 hp for this application)

Operating Conditions:

- Inlet Temperature = 60 deg. F
- Ambient Pressure = 13.5 psia
- Ambient Temperature = 95 deg. F
- Specific Gravity of Gas = 0.65
- Compressor Speed = 1800 rpm
- Lube Oil Supply Temp. = 140 deg.F
- Gas Discharge Temp. = varies

Note: An oil pump (65 gpm) is required if the differential pressure is less than 85 psi.

This chart was created by Jiro Engineering using Kobelco's Oil & Gas Selection Program (Version 2.0.5)