

# Kobelco KS19LNB Gas Screw Compressor Flow Table (250 hp)

Discharge Pressure (psig)

Suction Pressure (psig)	Discharge Pressure (psig)														
	70	100	125	150	175	200	225	250	275	300	325	350			
0	0.480, 70	0.471, 83	0.462, 94	0.453, 105	0.443, 115	0.432, 126	0.421, 137	0.410, 148	0.398, 158						
5	0.697, 75	0.687, 93	0.679, 105	0.670, 115	0.569, 126	0.248, 137	0.637, 148	0.625, 158	0.613, 169	0.599, 180	0.586, 190	0.572, 200			
10	0.901, 79	0.890, 99	0.879, 113	0.868, 127	0.862, 137	0.850, 148	0.839, 158	0.827, 169	0.815, 180	0.801, 190	0.788, 201	0.774, 212			
15	1.108, 79	1.092, 102	1.083, 119	1.071, 133	1.059, 148	1.053, 158	1.042, 169	1.030, 185	1.017, 190	1.004, 201	0.991, 212	0.982, 220			
20	1.320, 78	1.297, 105	1.285, 122	1.275, 139	1.263, 153	1.251, 168	1.238, 181	1.233, 190	1.220, 201	1.207, 212	1.159, 220	0.995, 220			
25	1.544, 78	1.505, 105	1.489, 127	1.477, 143	1.468, 160	1.455, 173	1.442, 188	1.429, 202	1.424, 212	1.378, 220	1.227, 220	1.068, 220			
30		1.717, 103	1.697, 126	1.683, 146	1.669, 164	1.660, 180	1.647, 195	1.633, 208	1.590, 220	1.427, 220	1.309, 220	1.127, 220			
35		1.944, 103	1.907, 126	1.888, 149	1.876, 166	1.861, 184	1.852, 200	1.838, 215	1.730, 220	1.546, 220	1.378, 220	1.203, 220			
40		0.160, 103	2.120, 125	2.098, 148	2.080, 170	2.068, 186	2.053, 204	2.044, 220	1.862, 220	1.700, 220	1.525, 220	1.267, 220			
45			2.337, 125	2.309, 148	2.289, 170	2.276, 190	2.266, 208	2.181, 220	1.985, 220	1.820, 220	1.616, 220	1.384, 220			
50				2.523, 146	2.500, 169	2.480, 192	2.468, 211	2.353, 220	2.131, 220	1.940, 220	1.736, 220	1.487, 220			
55				2.712, 169	2.712, 189	2.691, 192	2.672, 245	2.524, 220	2.298, 220	2.083, 220	1.839, 220	1.591, 223			
60				2.927, 169	2.927, 189	2.903, 190	2.882, 213	2.656, 220	2.449, 220	2.232, 220	1.957, 220	1.712, 220			
65				3.146, 168	3.117, 190	3.094, 213	2.860, 220	2.617, 220	2.398, 220	2.116, 220	1.826, 220				
70				3.383, 168	3.333, 190	3.307, 212	3.074, 220	2.755, 220	2.529, 200	2.227, 220	1.980, 220				
75					3.551, 189	3.522, 212	3.272, 220	2.957, 220	2.660, 220	2.371, 220	2.076, 220				
80					3.791, 189	3.739, 212	3.485, 220	3.135, 220	2.874, 220	2.493, 220	2.230, 220				
85							3.704, 220	3.359, 220	3.037, 220	2.697, 220	2.322, 220				

Gas Flow Rate (MMscfd)  
Horse Power (max. usable = 220 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: Discharge Pressures between 350 psig and 375 psig may be available in some cases. Contact Jiro Engineering for Confirmation.  
This chart was created by Jiro Engineering using Kobelco's Oil and Gas Selection Program (Version 2.0.5)