

S530 Series 530 hp JIRO Enerflex

Kobelco 28LNB @1800 RPM

DISCHARGE PRESSURE (psig)

Suction Pressure psig	80		100		120		140		160		180		200		220		240		260		280	
	0	1.611, 236 3.65, 100%	1.599, 261 5, 100%	1.583, 288 5, 100%	1.566, 315 5, 100%	1.549, 342 5, 100%	1.530, 367 5, 100%	1.511, 394 5, 100%	1.491, 421 5, 100%	1.471, 448 5, 100%	1.450, 475 5, 100%	1.379, 490 5, 98.6%										
5	2.273, 255 3.65, 100%	2.255, 290 3.65, 100%	2.237, 326 3.65, 100%	2.225, 349 5, 100%	2.208, 375 5, 100%	2.189, 401 5, 100%	2.170, 428 5, 100%	2.149, 455 5, 100%	2.128, 481 5, 100%	2.004, 490 5, 98%	1.820, 490 5, 94.8%											
10	2.907, 267 2.90, 100%	2.887, 310 2.9, 100%	2.871, 345 3.65, 100%	2.851, 380 3.65, 100%	2.839, 409 5, 100%	2.821, 434 5, 100%	2.801, 461 5, 100%	2.781, 488 5, 100%	2.427, 490 5, 95%	1.879, 490 5, 77.2%	2.230, 490 5, 92.6%											
15	3.547, 274 2.2, 100%	3.524, 319 2.9, 100%	3.503, 362 2.9, 100%	3.486, 398 3.65, 100%	3.466, 433 3.65, 100%	3.445, 468 3.65, 100%	3.375, 490 5, 99.3%	3.302, 490 5, 95.4%	2.682, 490 5, 91.4%	2.064, 490 5, 62.4%	1.480, 490 5, 28.4%											
20	4.196, 271 2.2, 100%	4.164, 327 2.2, 100%	4.142, 371 2.9, 100%	4.119, 414 2.9, 100%	4.102, 452 3.65, 100%	4.081, 488 3.65, 100%	3.685, 490 3.65, 96.2%	3.280, 490 3.65, 92.8%	2.838, 490 5, 80.9%	2.330, 490 5, 56.3%	1.780, 490 5, 29.3%											
25	4.858, 270 2.2, 100%	4.812, 326 2.2, 100%	4.782, 382 2.2, 100%	4.760, 424 2.9, 100%	4.736, 468 2.9, 100%	4.520, 490 3.65, 98.2%	4.105, 490 3.65, 94.8%	3.704, 490 3.65, 91.4%	3.168, 490 3.65, 76.2%	2.582, 490 3.65, 51.6%	2.042, 490 5, 28.4%											
30	5.564, 267 2.2, 100%	5.469, 323 2.2, 100%	5.430, 380 2.2, 100%	5.400, 436 2.2, 100%	5.378, 476 2.9, 100%	4.995, 490 2.9, 97.2%	4.497, 490 2.9, 93.6%	4.051, 490 3.65, 90.2%	3.445, 490 3.65, 70.6%	2.891, 490 3.65, 49.8%	2.383, 490 3.65, 31%											
35		6.188, 322 2.2, 100%	6.085, 378 2.2, 100%	6.049, 434 2.2, 100%	6.018, 491 2.2, 100%	5.499, 490 2.9, 96.6%	4.979, 490 2.9, 93.1%	4.433, 490 2.9, 89.1%	3.858, 490 3.65, 70.1%	3.275, 490 3.65, 50.9%	2.700, 490 3.65, 31.8%											
40		6.856, 319 2.2, 100%	6.750, 375 2.2, 100%	6.703, 432 2.2, 100%	6.668, 488 2.2, 100%	5.928, 490 2.2, 95.6%	5.458, 490 2.9, 92.8%	4.878, 490 2.9, 88.1%	4.169, 490 2.9, 67.1%	3.584, 490 3.65, 49.9%	3.013, 490 3.65, 32.4%											
45			7.480, 374 2.2, 100%	7.364, 430 2.2, 100%	7.322, 487 2.2, 100%	6.577, 490 2.2, 95.9%	5.841, 490 2.2, 92%	5.326, 490 2.9, 87.3%	4.594, 490 2.9, 67.5%	3.926, 490 2.9, 49.4%	3.336, 490 3.65, 33.1%											
50			8.152, 371 2.2, 100%	8.037, 428 2.2, 100%	7.982, 484 2.2, 100%	7.159, 490 2.2, 95.9%	6.444, 490 2.2, 92.4%	5.778, 490 2.9, 86.6%	5.025, 490 2.9, 67.9%	4.332, 490 2.9, 50.7%	3.735, 490 2.9, 35.8%											
55				8.778, 426 2.2, 100%	8.649, 483 2.2, 100%	7.825, 490 2.2, 96.3%	7.001, 490 2.2, 92.5%	6.251, 490 2.2, 86.6%	5.461, 490 2.9, 68.4%	4.774, 490 2.9, 52%	4.062, 490 2.9, 36.2%											
60					9.402, 481 2.2, 100%	8.483, 490 2.2, 96.5%	7.624, 490 2.2, 92.9%	6.740, 490 2.2, 86.8%	5.897, 490 2.2, 68.9%	5.165, 490 2.9, 53.2%	4.457, 490 2.9, 38%											
65					10.080, 479 2.2, 100%	9.138, 490 2.2, 96.7%	8.201, 490 2.2, 93%	7.460, 490 2.2, 90%	6.539, 490 2.2, 69.7%	5.559, 490 2.2, 53.8%	4.861, 490 2.9, 39.7%											
70							8.846, 490 2.2, 93.3%	7.983, 490 2.2, 90.1%	6.978, 490 2.2, 73.4%	6.010, 490 2.2, 55.3%	5.244, 490 2.2, 40.9%											
75							9.500, 490 2.2, 93.6%	8.613, 490 2.2, 90.5%	7.455, 490 2.2, 74%	6.568, 490 2.2, 58.5%	5.660, 490 2.2, 42.4%											
80									9.138, 490 2.2, 90.6%	8.092, 490 2.2, 77.2%	7.022, 490 2.2, 59.5%	6.177, 490 2.2, 45.5%										

Flow mmscfd
Horse Power
Vi
Turn Valve

Conditions based on 60°F Inlet Temp. & 13.5 psi Amb. Pressure and 95°F Amb. Temp.
Flow rates based on 1800RPM, S.G. of Gas 0.65