

7400 Series Caterpillar 3306NA 145 h.p. JIRO Manufacturing Ltd

160SM c/w 1.809 Gear Ratio - MYCOM Gas Screw Compressor Flow Table At 1800 RPM

		DISCHARGE PRESSURE											
Pressure		80	100	120	140	160	180	200	220	240	250	260	280
0		0.327	0.321	0.308	0.292	0.281	0.269	0.257	0.245	0.232	0.218		
	53	60	66	73	80	86	93	99	105	112			
10		0.571	0.563	0.552	0.526	0.515	0.502	0.491	0.481	0.466	0.453		
	54	65	71	78	85	92	99	105	112	119			
S 20		0.815	0.807	0.796	0.76	0.749	0.737	0.725	0.714	0.701			
	55	66	75	82	90	98	104	112	119				
U 30		1.059	1.051	1.041	1.002	0.983	0.971	0.959	0.948				
	57	67	77	87	96	103	110	118					
C 40		1.302	1.294	1.284	1.248	1.229	1.205	1.193					
	56	68	78	88	98	108	116						
T 50		1.546	1.539	1.527	1.496	1.476	1.455	1.434					
	59	69	79	89	96	109	120						
I 60		*****	1.782	1.771	1.746	1.726	1.702	1.681					
	*****	70	80	91	101	111	121						
O 70		*****	2.027	2.015	1.991	1.971	1.951	1.928					
	*****	71	82	93	103	113	124						
N 80		*****	*****	2.259	2.237	2.217	2.196						
	*****	*****	84	94	104	115							

Requires more horse power than what the Caterpillar 3306NA has available:

Note: Flow table @ 100% load. Gray area can be obtained by unloading the compressor with the volume control slide valve.

- OIL PUMP IS REQUIRED FOR COMPRESSOR LUBRICATION (OIL PUMP REQUIRED IF DIFFERENTIAL FROM SUCTION TO DISCHARGE IS LESS THAN 70PSIG)
- Volume control slide valve must be used to obtain discharge pressures in this area.
- Above flow rates are calculated in mmscfd at 1800rpm
- Brake Horse Power (124 available with 1200 b.t.u fuel gas)

For More Information Contact 1-888-742-5550