

**20000 Series 20 HP Rotary Vane Compressor**

Select RPM

1760

Select S.G

0.65

**Performance at 87 psig discharge Pressure - speed 1760**

Intake Pressure (psig)	-0.5	0	1	2	3	4	5	6	7	8	9	10	S.G
Power (BPH)	10	10	10.3	10.4	10.6	10.6	10.9	11	11.1	11.3	11.4	11.5	
Flow (scfd)	51764.3	53364.92	56566.2	59768.3	63575.1	66828.9	71068.6	74269.8	77472	80673.2	83875.4	87076.6	0.65

**Performance at 116 psig discharge Pressure - speed 1760**

Intake Pressure (psig)	-0.5	0	1	2	3	4	5	6	7	8	9	10	S.G
Shaft Power (BPH)	11.15	11.2	11.3	11.5	11.6	11.7	12	12.1	12.3	12.4	12.6	12.7	
Flow (scfd)	50744.3	52313.54	55452	58590.5	62322.5	65512.6	69668.3	72806.8	75945.2	79083.7	82222.2	85361.5	0.65

**Performance at 145 psig discharge Pressure - speed 1760**

Intake Pressure (psig)	-0.5	0	1	2	3	4	5	6	7	8	9	10	S.G
Shaft Power (BPH)	12.2	12.3	12.5	12.6	12.8	12.9	13.2	13.4	13.5	13.7	13.9	14	
Flow (scfd)	49744.2	51282.46	54359.1	57435.7	61094.8	64221.2	68294.8	71372.3	74448.9	77525.5	80602.2	83678.8	0.65

Max rpm:2100, 0 psig = 13.7 psia @2500 ft

This curve is estimated and based on manufacturer curve generated for natural gas of sp. gravity 0.6. This curve is made as a guideline only. For vacuum pressure application there is the possibility of introducing open air oxygen to natural gas which may be potential source for explosion.