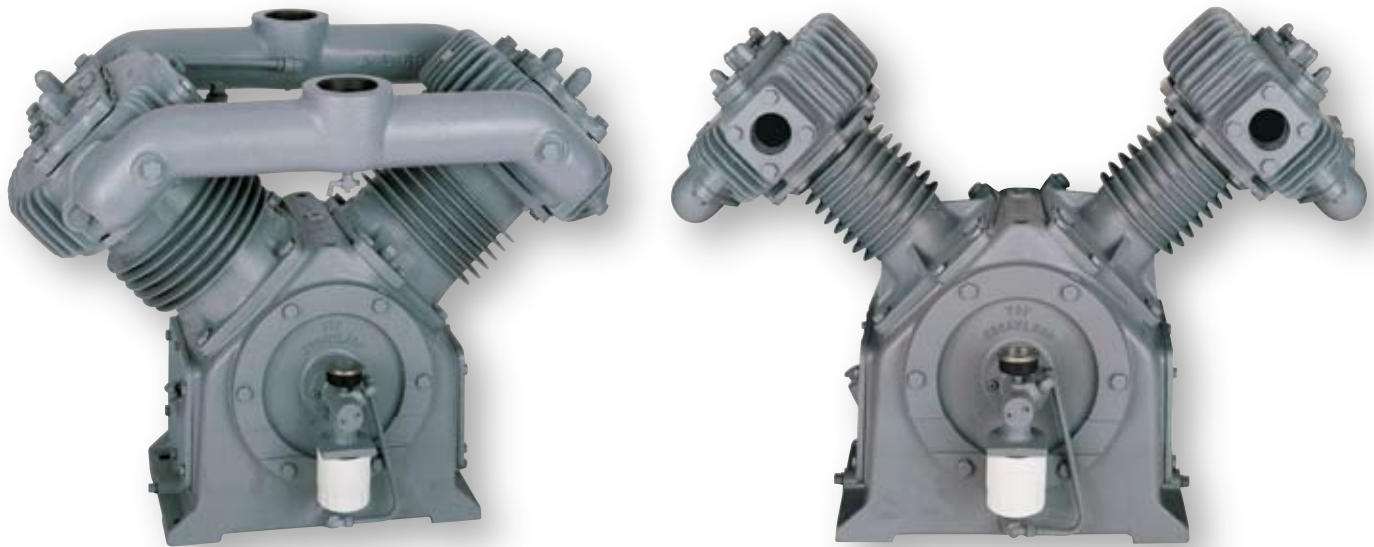


Reciprocating Gas Compressors

A Series Natural Gas



ANPEAA-GD, ANPHAA-GD

Ideal for use in natural gas gathering applications.

- Concentric Ring Type Valves
- AISI 420 Stainless Steel Valves
- Drive Sheave with Turbo Fins
- No Exposed Brass or Copper Components
- Viton O'Rings
- Threaded Crankcase Vent Connection
- Counter Balanced Crankshaft
- Cast Iron Construction
- Factory Fill with AEON 500

| Specifications | ANPHAA-GD | ANPEAA-GD |
|------------------------|---|---|
| Compressor HP Range | 40 Max | 40 Max |
| Rotation (drive end) | Clockwise | Clockwise |
| Valves | Plain | Plain |
| Bore & Stroke (inches) | 7 ⁷ / ₈ & 7 ⁷ / ₈ x 4 ¹ / ₂ | 4 ¹ / ₄ & 4 ¹ / ₄ x 4 ¹ / ₂ |
| Speed Range (RPM) | 550-1000 | 550-1000 |
| Number Cylinders | 2 | 2 |
| Weight (pounds) | 750 | 600 |
| Dimensions (inches) | L 40.3 W 28.78 H 29.9 | L 33.9 W 24.34 H 26.8 |
| Maximum Pressure | 60 PSIG | 250 PSIG |

ANPHAA Performance @ 968 RPM

| MSCFD | DISCHARGE PSIG | | | | | | | | | | | |
|--------------|----------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | |
| SUCTION PSIG | -10 | 70.4 | 66.3 | 62.3 | 58.5 | | | | | | | |
| | -5 | 180.1 | 172.7 | 165.5 | 158.4 | 150.7 | 146.5 | 142.3 | 138.2 | 134.2 | 130.2 | 126.3 |
| | 0 | 292.7 | 284.8 | 277.2 | 269.6 | 262.3 | 255.0 | 247.9 | 240.8 | 233.8 | 226.8 | 222.5 |
| | 5 | 406.0 | 397.8 | 389.8 | 381.9 | 374.2 | 366.6 | 359.2 | 351.8 | 344.5 | 337.3 | 330.2 |
| | 10 | | 511.3 | 502.9 | 494.8 | 486.8 | 479.0 | 471.3 | 463.7 | 456.1 | 448.7 | 441.3 |
| | 15 | | | | 608.1 | 599.9 | 591.9 | 583.9 | 576.1 | 568.3 | 560.7 | 553.1 |
| | 20 | | | | | 713.3 | 705.0 | 696.9 | 688.9 | 681.0 | 673.2 | 665.4 |
| | 25 | | | | | | 818.5 | 810.2 | 802.0 | 793.9 | 786.0 | 778.1 |
| | 30 | | | | | | | 923.7 | 915.4 | 907.2 | 899.0 | 891.0 |
| | 35 | | | | | | | | 1028.9 | 1020.6 | 1012.3 | 1004.1 |
| 40 | | | | | | | | | | 1125.8 | 1117.5 | |
| 45 | | | | | | | | | | | 1231.0 | |

| BHP | DISCHARGE PSIG | | | | | | | | | | | |
|--------------|----------------|------|------|------|------|------|------|------|------|------|------|------|
| | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | |
| SUCTION PSIG | -10 | 9.1 | 10.1 | 11.1 | 12.0 | | | | | | | |
| | -5 | 12.7 | 14.3 | 15.5 | 16.5 | 17.3 | 18.4 | 19.5 | 20.5 | 21.5 | 22.5 | 23.4 |
| | 0 | 12.5 | 15.5 | 18.0 | 20.0 | 21.6 | 22.9 | 24.0 | 25.0 | 25.9 | 26.7 | 27.8 |
| | 5 | 10.4 | 14.5 | 17.8 | 20.7 | 23.3 | 25.5 | 27.3 | 28.9 | 30.2 | 31.3 | 32.4 |
| | 10 | | 11.7 | 16.2 | 19.8 | 23.0 | 25.9 | 28.5 | 30.9 | 32.9 | 34.6 | 36.1 |
| | 15 | | | | 17.9 | 21.7 | 25.1 | 28.2 | 31.1 | 33.8 | 36.2 | 38.3 |
| | 20 | | | | | 19.4 | 23.5 | 27.0 | 30.3 | 33.4 | 36.3 | 39.0 |
| | 25 | | | | | | 20.9 | 25.2 | 28.9 | 32.3 | 35.5 | 38.6 |
| | 30 | | | | | | | 22.2 | 26.8 | 30.7 | 34.3 | 37.6 |
| | 35 | | | | | | | | 23.4 | 28.4 | 32.5 | 36.1 |
| 40 | | | | | | | | | | 29.8 | 34.1 | |
| 45 | | | | | | | | | | | 31.2 | |

ANPEAA Performance @ 968 RPM

| MSCFD | DISCHARGE PSIG | | | | | | | | | |
|--------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | |
| SUCTION PSIG | 0 | 57.6 | 46.1 | 36.1 | | | | | | |
| | 10 | 123.8 | 108.2 | 92.8 | | | | | | |
| | 20 | 191.3 | 174.7 | 158.9 | 82.1 | 71.9 | 61.9 | 52.3 | | |
| | 30 | 259.3 | 242.1 | 225.6 | 209.7 | 194.3 | 179.3 | 164.9 | 154.2 | 143.7 |
| | 40 | | 310.0 | 292.9 | 276.5 | 260.6 | 245.0 | 229.8 | 214.9 | 200.9 |
| | 50 | | 378.2 | 360.7 | 343.8 | 327.4 | 311.4 | 295.8 | 280.5 | 265.4 |
| | 60 | | 446.7 | 428.8 | 411.5 | 394.7 | 378.3 | 362.3 | 346.6 | 331.2 |
| | 70 | | | 497.1 | 479.4 | 462.3 | 445.6 | 429.2 | 413.2 | 397.5 |
| | 80 | | | 565.6 | 547.6 | 530.1 | 513.1 | 496.5 | 480.1 | 464.1 |
| | 90 | | | | 616.0 | 598.2 | 580.9 | 564.0 | 547.4 | 531.0 |
| 100 | | | | 684.5 | 666.5 | 648.9 | 631.7 | 614.8 | 598.3 | |

| BHP | DISCHARGE PSIG | | | | | | | | | |
|--------------|----------------|-----|------|------|------|------|------|------|------|------|
| | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | |
| SUCTION PSIG | 0 | 6.4 | 6.8 | 6.8 | | | | | | |
| | 10 | 8.9 | 10.2 | 10.7 | 11.2 | 11.5 | 11.4 | 11.0 | | |
| | 20 | 9.4 | 12.4 | 14.0 | 14.7 | 15.1 | 15.7 | 16.0 | 16.1 | 16.0 |
| | 30 | 8.8 | 13.0 | 15.9 | 17.6 | 18.5 | 19.1 | 19.5 | 20.0 | 20.4 |
| | 40 | | 12.7 | 16.6 | 19.4 | 21.1 | 22.3 | 23.0 | 23.5 | 23.9 |
| | 50 | | 11.9 | 16.5 | 20.1 | 22.8 | 24.7 | 25.9 | 26.8 | 27.4 |
| | 60 | | 10.1 | 15.9 | 20.1 | 23.6 | 26.2 | 28.2 | 29.5 | 30.5 |
| | 70 | | | 14.9 | 19.7 | 23.7 | 27.1 | 29.7 | 31.6 | 33.1 |
| | 80 | | | 13.1 | 19.0 | 23.5 | 27.3 | 30.5 | 33.1 | 35.1 |
| | 90 | | | | 17.9 | 22.9 | 27.1 | 30.8 | 34.0 | 36.5 |
| 100 | | | | 16.1 | 22.0 | 26.7 | 30.7 | 34.3 | 37.4 | |

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