

PUMPING UNIT

API B Series Pumping Unit

Pumping unit is one common type of power equipment on the ground used in rod oil extraction. As the conventional walking beam pumping units, B series pumping units that PPGL provides conform to API SPEC. 11E and other relative API standards.

B Series Pumping Unit Technical Features:

- High reliability, simple operation, easy maintenance.
- Gear reducer is herring-bone gearing, work smoothly and reliably.
- The Complete machine with light weight, it's convenient
- for installation and transportation.



API B Series Pumping Unit

Technical Specification of B Series Pumping Unit

| No | Pumping Unit Type | Polished Rod Capacity (lbs) | Stroke Length (in) | Rated Torque (in.lbs) |
|----|-------------------|-----------------------------|--------------------|-----------------------|
| 1 | B-80D-119-64 | 11,900 | 64 54 | 80,000 |
| 2 | B-80D-76-64 | 7,600 | 64 54 | 80,000 |
| 3 | B-80D-133-54 | 13,300 | 54 41 | 80,000 |
| 4 | B-80-119-64 | 11,900 | 54 41 | 80,000 |
| 5 | B-80D-76-54 | 7,600 | 54 41 | 80,000 |
| 6 | B-80D-109-48 | 10,900 | 48 35 | 80,000 |
| 7 | B-57D-109-54 | 10,900 | 54 41 | 57,000 |
| 8 | B-57D-89-54 | 8,900 | 54 41 | 57,000 |
| 9 | B-57D-76-54 | 7,600 | 54 41 | 57,000 |
| 10 | B-57D-109-48 | 10,900 | 48 35 | 57,000 |
| 11 | B-57D-89-48 | 8,900 | 48 35 | 57,000 |
| 12 | B-40D-89-48 | 8,900 | 48 35 | 40,000 |
| 13 | B-40D-76-42 | 7,600 | 42 29 | 40,000 |
| 14 | B-25D-67-36 | 6,700 | 36 27 | 25,000 |
| 15 | B-16D-53-30 | 5,300 | 30 23 | 16,000 |

API C Series Pumping Unit

API C series pumping unit is a kind of conventional walking beam pumping unit, it's the ground power equipment used in sucker rod oil extraction.

API C series pumping units conform to API SPEC. 11E and the relative standards, acquired the authorization to use official API monogram.

C Series Pumping Units Technical Features:

- Strength of critical parts is calculated with the finite element analysis, high reliability, simple operation, easy maintenance, long servicing life.
- Gear reducer is herring-bone gearing, working smoothly and reliably.
- Modularized design, it has high degree of standardization, commonality and seriating with the spare parts.



API C Series Pumping Unit

Technical Specification of C Series Pumping Unit

| No | Pumping Unit Type | Polished Rod Capacity (lbs) | Stroke Length (in) | Rated Torque (in.lbs) |
|----|-------------------|-----------------------------|--------------------|-----------------------|
| 1 | C-912D-470-240 | 47,000 | 240 211 181 | 912,000 |
| 2 | C-912D-427-216 | 42,700 | 216 185 155 | 912,000 |
| 3 | C-912D-427-192 | 42,700 | 192 165 138 | 912,000 |
| 4 | C-912D-305-192 | 30,500 | 192 165 138 | 912,000 |
| 5 | C-912D-365-168 | 36,500 | 168 144 121 | 912,000 |
| 6 | C-912D-305-168 | 30,500 | 168 144 121 | 912,000 |
| 7 | C-912D-427-144 | 42,700 | 144 123 102 | 912,000 |
| 8 | C-640D-305-192 | 30,500 | 192 165 138 | 640,000 |
| 9 | C-640D-305-168 | 30,500 | 168 144 121 | 640,000 |
| 10 | C-640D-365-144 | 36,500 | 144 23 102 | 640,000 |
| 11 | C-640D-305-144 | 30,500 | 144 123 102 | 640,000 |
| 12 | C-640D-256-144 | 25,600 | 144 123 102 | 640,000 |
| 13 | C-640D-305-120 | 30,500 | 120 102 84 | 640,000 |
| 14 | C-456D-305-168 | 30,500 | 168 144 121 | 456,000 |
| 15 | C-456D-305-144 | 30,500 | 144 123 102 | 456,000 |
| 16 | C-456D-256-144 | 25,600 | 144 123 102 | 456,000 |
| 17 | C-456D-365-120 | 36,500 | 120 102 84 | 456,000 |
| 18 | C-456D-305-120 | 30,500 | 120 102 84 | 456,000 |
| 19 | C-456D-256-120 | 25,600 | 120 102 84 | 456,000 |
| 20 | C-320D-256-144 | 25,600 | 144 123 102 | 320,000 |
| 21 | C-320D-256-120 | 25,600 | 120 102 84 | 320,000 |
| 22 | C-320D-213-120 | 21,300 | 120 102 84 | 320,000 |
| 23 | C-320D-305-100 | 30,500 | 100 85 70 | 320,000 |

| | | | | |
|----|----------------|--------|------------|---------|
| 24 | C-320D-256-100 | 25,600 | 100 85 70 | 320,000 |
| 25 | C-320D-213-86 | 21,300 | 86 71 56 | 320,000 |
| 26 | C-228D-213-120 | 21,300 | 120 102 84 | 228,000 |
| 27 | C-228D-173-100 | 17,300 | 100 86 72 | 228,000 |
| 28 | C-228D-246-86 | 24,600 | 86 71 56 | 228,000 |
| 29 | C-228D-213-86 | 21,300 | 86 71 56 | 228,000 |
| 30 | C-228D-200-74 | 20,000 | 74 64 54 | 228,000 |
| 31 | C-228D-173-74 | 17,300 | 74 64 54 | 228,000 |
| 32 | C-160D-173-86 | 17,300 | 86 74 62 | 160,000 |
| 33 | C-160D-200-74 | 20,000 | 74 64 54 | 160,000 |
| 34 | C-160D-173-74 | 17,300 | 74 64 54 | 160,000 |
| 35 | C-160D-143-74 | 14,300 | 74 64 54 | 160,000 |
| 36 | C-160D-173-64 | 17,300 | 64 54 44 | 160,000 |
| 37 | C-114D-119-86 | 11,900 | 86 72 59 | 114,000 |
| 38 | C-114D-143-74 | 14,300 | 74 62 51 | 114,000 |
| 39 | C-114D-173-64 | 17,300 | 64 54 44 | 114,000 |
| 40 | C-114D-143-64 | 14,300 | 64 52 40 | 114,000 |
| 41 | C-114D-133-54 | 13,300 | 54 45 36 | 114,000 |
| 42 | C-80D-119-64 | 11,900 | 64 53 42 | 80,000 |
| 43 | C-80D-133-54 | 13,300 | 54 45 36 | 80,000 |
| 44 | C-80D-119-54 | 11,900 | 54 45 36 | 80,000 |
| 45 | C-80D-133-48 | 13,300 | 48 40 32 | 80,000 |
| 46 | C-80D-109-48 | 10,900 | 48 37 25 | 80,000 |
| 47 | C-57D-76-54 | 7,600 | 54 41 28 | 57,000 |
| 48 | C-57D-109-48 | 10,900 | 48 37 25 | 57,000 |
| 49 | C-57D-95-48 | 9,500 | 48 37 25 | 57,000 |
| 50 | C-57D-89-42 | 8,900 | 42 33 23 | 57,000 |
| 51 | C-57D-76-42 | 7,600 | 42 33 23 | 57,000 |
| 52 | C-40D-76-48 | 7,600 | 48 37 27 | 40,000 |
| 53 | C-40D-89-42 | 8,900 | 42 33 23 | 40,000 |
| 54 | C-40D-76-42 | 7,600 | 42 33 23 | 40,000 |
| 55 | C-40D-89-36 | 8,900 | 36 28 20 | 40,000 |
| 56 | C-25D-67-36 | 6,700 | 36 28 20 | 25,000 |
| 57 | C-25D-56-36 | 5,600 | 36 28 20 | 25,000 |
| 58 | C-25D-53-30 | 5,300 | 30 20 | 25,000 |

API F Series Pumping Unit

API F Series pumping unit is a new kind of non-beam energy saving pumping unit.

The products conform to API SPEC. 11E and other relative API standard, acquired the authorization to use official API monogram.

F Series Pumping Units Technical Features:

- Abnormally design of crank arm make it balanced completely.
- Use roller and belt to form flexible drive, improve impulsive load and prolong service life of gear reducer.
- Gear Reducer is herring-bone gearing, work smoothly and reliably.
- Small cubage, light weight, the complete machine can be folded totally, it's convenient for installation and transportation.



API F Series Pumping Unit

Technical Specifications of F Series Pumping Unit

| No | Pumping Unit Type | Polished Rod Capacity (lbs) | Stroke Length (in) | Rated Torque (in.lbs) |
|----|-------------------|-----------------------------|--------------------|-----------------------|
| 1 | F-320D-256-120 | 25,600 | 120 102 85 | 320,000 |
| 2 | F-320D-256-100 | 25,600 | 100 85 70 | 320,000 |
| 3 | F-320D-246-86 | 24,600 | 86 71 56 | 320,000 |
| 4 | F-228D-256-100 | 25,600 | 86 71 56 | 320,000 |
| 5 | F-228D-213-86 | 21,300 | 86 71 56 | 228,000 |
| 6 | F-228D-246-86 | 24,600 | 86 71 56 | 228,000 |
| 7 | F-228D-246-74 | 24,600 | 74 64 53 | 228,000 |
| 8 | F-160D-173-86 | 17,300 | 86 74 62 | 160,000 |
| 9 | F-160D-200-74 | 20,000 | 74 64 53 | 160,000 |
| 10 | F-160D-173-74 | 17,300 | 74 64 53 | 160,000 |
| 11 | F-114D-173-64 | 17,300 | 64 54 44 | 114,000 |
| 12 | F-114D-143-54 | 14,300 | 54 44 34 | 114,000 |
| 13 | F-114D-109-54 | 10,900 | 54 43 32 | 114,000 |

API R Series Pumping Unit

API R Series pumping unit is a new type energy saving walking beam pumping units, it's a new type of power equipment on the ground used in sucker rod oil extraction.

R series pumping units conform to API SPEC.11E and other relative API standards, acquired the authorization to use official API monogram.

R Series Pumping Unit Technical Features:

- High Reliability, simple operation and long run life.
- Use phase angle in crank arm to reduce the peak value of max torque in gear reducer.
- Improve power performance by increase the extreme location angle.
- Reduce motive power, save energy obviously.
- Gear reducer is herring-bone gearing, work smoothly and reliably.



API R Series Pumping Unit

Technical Specification of R Series Pumping Unit

| No | Type | Polished Rod Capacity (lbs) | Stroke Length (in) | Rated Torque (in.lbs) |
|----|----------------|-----------------------------|--------------------|-----------------------|
| 1 | R-912D-365-192 | 36,500 | 192 159 127 | 912,000 |
| 2 | R-912D-305-192 | 30,500 | 192 159 127 | 912,000 |
| 3 | R-912D-365-168 | 36,500 | 168 139 111 | 912,000 |
| 4 | R-912D-305-168 | 30,500 | 168 139 111 | 912,000 |
| 5 | R-640D-305-192 | 30,500 | 192 159 127 | 640,000 |
| 6 | R-640D-365-168 | 36,500 | 168 139 111 | 640,000 |
| 7 | R-640D-305-168 | 30,500 | 168 139 111 | 640,000 |
| 8 | R-456D-305-168 | 30,500 | 168 139 111 | 456,000 |
| 9 | R-456D-305-144 | 30,500 | 144 119 95 | 456,000 |
| 10 | R-456D-305-120 | 30,500 | 120 99 80 | 456,000 |
| 11 | R-320D-256-144 | 25,600 | 144 119 95 | 320,000 |
| 12 | R-320D-256-120 | 25,600 | 120 99 80 | 320,000 |
| 13 | R-320D-256-100 | 25,600 | 100 83 67 | 320,000 |
| 14 | R-228D-256-100 | 25,600 | 100 83 67 | 228,000 |
| 15 | R-228D-246-86 | 24,600 | 86 72 59 | 228,000 |