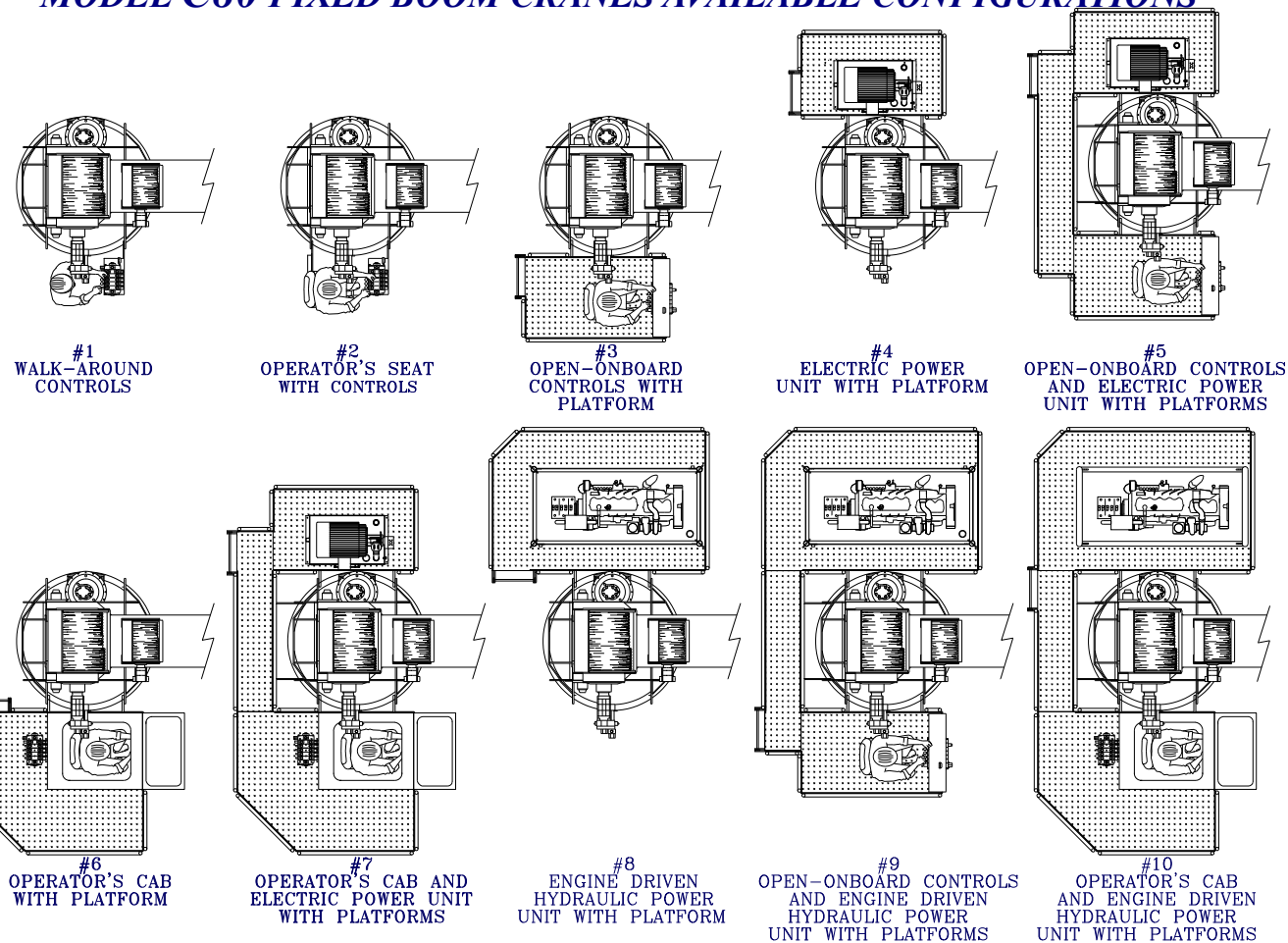


# EBI CRANES

## MODEL C80 FIXED BOOM CRANES AVAILABLE CONFIGURATIONS



TAIL SWING CHART @ 0° BOOM ANGLE \*

| CONFIGURATION | MAXIMUM TAIL SWING | CONFIGURATION | MAXIMUM TAIL SWING | CONFIGURATION | MAXIMUM TAIL SWING | CONFIGURATION                                                         | MAXIMUM TAIL SWING |
|---------------|--------------------|---------------|--------------------|---------------|--------------------|-----------------------------------------------------------------------|--------------------|
| 1             | 4'-10" Radius      | 4             | 7'-4" Radius       | 7             | 9'-3" Radius       | 10                                                                    | 9'-8" Radius       |
| 2             | 5'-4" Radius       | 5             | 7'-4" Radius       | 8             | 9'-8" Radius       | *TAIL SWING VALUES MAY BE EXCEEDED DEPENDING UPON WINCH MOUNT OPTIONS |                    |
| 3             | 7'-4" Radius       | 6             | 9'-3" Radius       | 9             | 9'-8" Radius       |                                                                       |                    |

### ELEVATING BOATS LLC

Corporate/EBI Liftboats, LLC. - 124 Finish Line Lane - Houma, LA 70360

Phone: (985) 868-9655 Fax: (985) 868-9656

EBI Cranes, LLC. - 900 St. Bernard Pkwy. - Braithwaite, LA 70040

Phone: (504) 682-5245 Fax: (504) 682-5296

EBI Machining, LLC. - 40495 West I-55 Service Road - Ponchatoula, LA 70454

Phone: (985) 386-2053 Fax: (985) 386-2084

Email: [postmaster@ebi-inc.com](mailto:postmaster@ebi-inc.com)



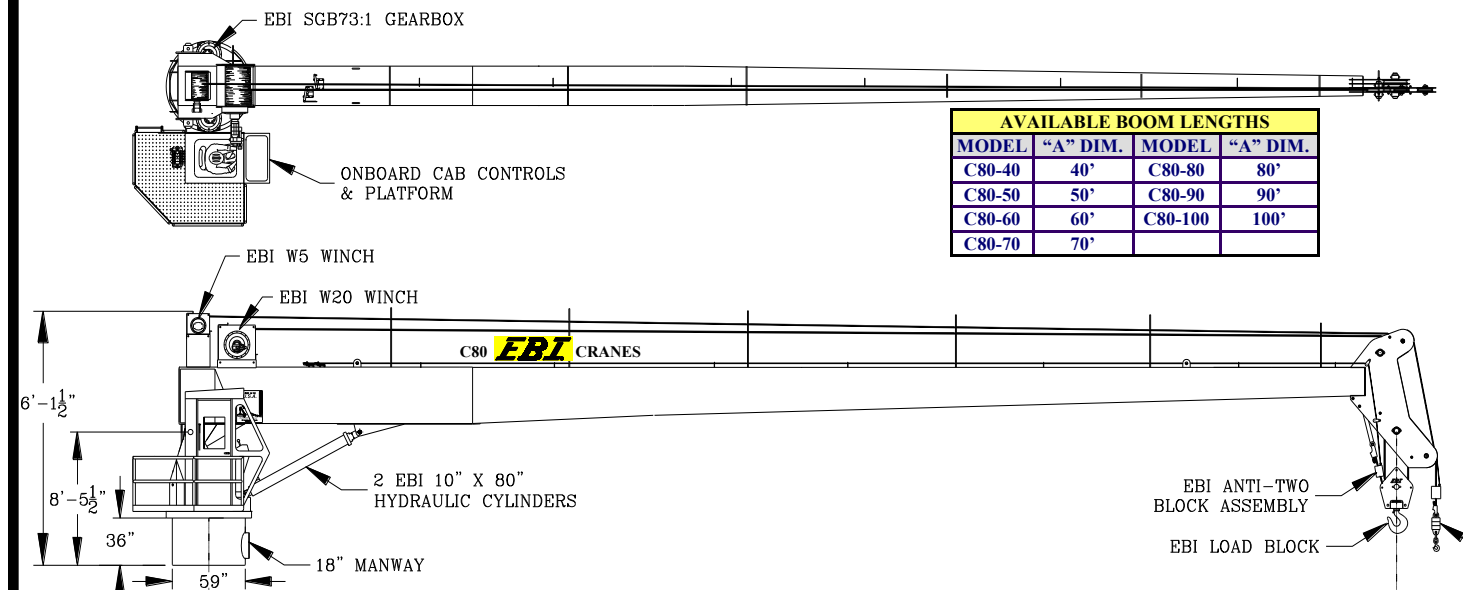
Website: [www.ebi-inc.com](http://www.ebi-inc.com)



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# EBI CRANES

## MODEL C80 FIXED BOOM CRANES



### STANDARD EQUIPMENT:

EBI CRANES ARE LICENSED MONOGRAM CRANES UNDER API-2C SPECIFICATIONS.

EBI CRANES MEET OSHA REQUIREMENTS.

PLANETARY SWING MECHANISM WITH ADJUSTABLE MOUNT, HIGH TORQUE MOTOR AND AUTOMATIC SPRING APPLIED BRAKES.

DOUBLE HYDRAULIC SWIVEL FOR CONTINUOUS ROTATION.

INDUCTION HARDENED CHROME PLATED CYLINDER RODS.

18" I.D. MANWAY WITH BOLTED COVER.

THREE COLOR, SAFE LOAD INDICATOR GAUGE.

LOAD LINE WINCH: 2 SPEED MOTOR.

THREE COAT MARINE PAINT SYSTEM.

ANTI-FRICTION BEARINGS IN THE SHEAVES.

BRONZE BUSHINGS ON ALL PIVOTING POINTS.

LOAD TEST AT TWICE API OFFBOARD LOAD BEFORE SHIPPING.

EBI PRODUCTS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATIONS.

### OPTIONAL EQUIPMENT:

EBI CRANES TO MEET ABS AND USCG REQUIREMENTS.

CRANE CONTROL LOCATIONS

- PEDESTAL MOUNTED WALKAROUND
- REMOTELY LOCATED - CAB MOUNTED JOY STICK TYPE
- VARIOUS PLATFORM CONFIGURATIONS

SOLAR/BATTERY POWERED BOOM BEACONS.

BOOM LIGHTING.

COMPLETE HYDRAULIC SAFETY SYSTEM DETECTING THE MOMENT INDUCED BY LOAD ON THE CRANE TO HELP PREVENT OVERLOAD CONDITION.

POWER UNITS CAN BE CRANE MOUNTED OR REMOTELY LOCATED.

POWER UNITS: ELECTRIC MOTOR, AIR MOTOR, OR DIESEL ENGINE (DETROIT DIESEL, CUMMINS, CATERPILLAR, DEUTZ AIR COOLED, ETC.).

DIESEL ENGINE STARTER SYSTEMS: ELECTRIC, AIR OR HYDRAULIC.

AIR/HYDRAULIC OIL HEAT EXCHANGER.

17-4 PH STAINLESS STEEL, HEAT TREATED, CHROME PLATED CYLINDER RODS.

17-4 HH1150 STAINLESS STEEL, HEAT TREATED PINS.

FAST LINE WINCH DESIGNED FOR PERSONNEL HANDLING. WINCH CAPACITY IS 5000 LB. LINE PULL. (1000 LB. FOR PERSONNEL)

ANTI-TWO BLOCK SYSTEM.

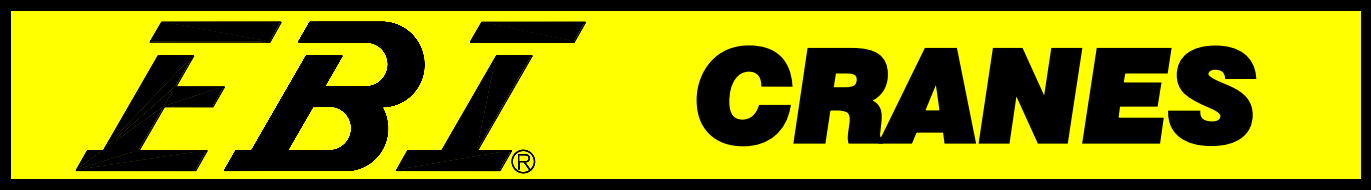
EMERGENCY LOAD LOWERING SYSTEM.

## EBI Cranes, LLC.



900 St. Bernard Pkwy. Braithwaite, LA 70040  
Phone: (504) 682-5245 Fax (985) 386-2084  
Email: [cranes@ebi-inc.com](mailto:cranes@ebi-inc.com) Website: [www.ebi-inc.com](http://www.ebi-inc.com)  
1-800-843-2895

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MODEL C80 FIXED BOOM CRANES

(U.S. CUSTOMARY UNITS)

LOAD CHARTS FOR VARIABLE BOOM LENGTHS AVAILABLE UPON REQUEST.

| MODEL C80-60 API LOAD CHART |                         |                            |                           |                |                         |                            |                           |                |                         |                            |                           | BASIC CRANE WEIGHT: 32,820 LBS.                                                                                                                           |
|-----------------------------|-------------------------|----------------------------|---------------------------|----------------|-------------------------|----------------------------|---------------------------|----------------|-------------------------|----------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH<br>(FT.)              | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(LBS.) | ONBOARD<br>LOAD<br>(LBS.) | REACH<br>(FT.) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(LBS.) | ONBOARD<br>LOAD<br>(LBS.) | REACH<br>(FT.) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(LBS.) | ONBOARD<br>LOAD<br>(LBS.) | API PEDESTAL REACTIONS<br>(REACTIONS @ 3 X OFFBOARD RATED LOAD)<br>(OTM = OVERTURNING MOMENT)                                                             |
| 10                          | 77.5                    | 72600                      | 96750                     | 30             | 57.3                    | 35750                      | 53625                     | 50             | 31.5                    | 24450                      | 36675                     | MAXIMUM OTM =4,108,067 FT. LBS.<br>CORRESPONDING AXIAL FORCE = 96,320 LBS.<br>MAXIMUM AXIAL FORCE = 246,620 LBS.<br>CORRESPONDING OTM =2,270,019 FT. LBS. |
| 15                          | 72.5                    | 62500                      | 85500                     | 35             | 51.5                    | 31800                      | 47700                     | 55             | 21.5                    | 22500                      | 33750                     |                                                                                                                                                           |
| 20                          | 67.5                    | 49500                      | 74250                     | 40             | 45.5                    | 28750                      | 43125                     | 60             | 0.0                     | 19950                      | 29925                     |                                                                                                                                                           |
| 25                          | 62.5                    | 41000                      | 61500                     | 45             | 39.0                    | 26400                      | 39600                     |                |                         |                            |                           |                                                                                                                                                           |

| MODEL C80-70 API LOAD CHART |                         |                            |                           |                |                         |                            |                           |                |                         |                            |                           | BASIC CRANE WEIGHT: 35,320 LBS.                                                                                                                           |
|-----------------------------|-------------------------|----------------------------|---------------------------|----------------|-------------------------|----------------------------|---------------------------|----------------|-------------------------|----------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH<br>(FT.)              | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(LBS.) | ONBOARD<br>LOAD<br>(LBS.) | REACH<br>(FT.) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(LBS.) | ONBOARD<br>LOAD<br>(LBS.) | REACH<br>(FT.) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(LBS.) | ONBOARD<br>LOAD<br>(LBS.) | API PEDESTAL REACTIONS<br>(REACTIONS @ 3 X OFFBOARD RATED LOAD)<br>(OTM = OVERTURNING MOMENT)                                                             |
| 10                          | 78.5                    | 68500                      | 96750                     | 35             | 57.5                    | 29000                      | 43500                     | 60             | 29.0                    | 19100                      | 28650                     | MAXIMUM OTM =4,080,067 FT. LBS.<br>CORRESPONDING AXIAL FORCE = 85,920 LBS.<br>MAXIMUM AXIAL FORCE = 236,820 LBS.<br>CORRESPONDING OTM =2,167,673 FT. LBS. |
| 15                          | 75.0                    | 58500                      | 82500                     | 40             | 52.5                    | 26150                      | 39225                     | 65             | 20.0                    | 18200                      | 27300                     |                                                                                                                                                           |
| 20                          | 70.5                    | 44500                      | 66750                     | 45             | 47.5                    | 23850                      | 35775                     | 70             | 0.0                     | 15100                      | 22650                     |                                                                                                                                                           |
| 25                          | 66.5                    | 38450                      | 57675                     | 50             | 42.0                    | 21900                      | 32850                     |                |                         |                            |                           |                                                                                                                                                           |
| 30                          | 62.0                    | 33500                      | 50250                     | 55             | 36.0                    | 20750                      | 31125                     |                |                         |                            |                           |                                                                                                                                                           |

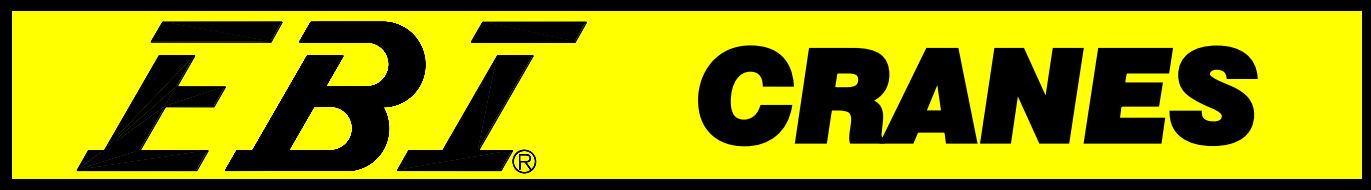
| MODEL C80-80 API LOAD CHART |                         |                            |                           |                |                         |                            |                           |                |                         |                            |                           | BASIC CRANE WEIGHT: 37,820 LBS.                                                                                                                           |
|-----------------------------|-------------------------|----------------------------|---------------------------|----------------|-------------------------|----------------------------|---------------------------|----------------|-------------------------|----------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH<br>(FT.)              | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(LBS.) | ONBOARD<br>LOAD<br>(LBS.) | REACH<br>(FT.) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(LBS.) | ONBOARD<br>LOAD<br>(LBS.) | REACH<br>(FT.) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(LBS.) | ONBOARD<br>LOAD<br>(LBS.) | API PEDESTAL REACTIONS<br>(REACTIONS @ 3 X OFFBOARD RATED LOAD)<br>(OTM = OVERTURNING MOMENT)                                                             |
| 10                          | 81.0                    | 63375                      | 95063                     | 35             | 63.0                    | 25125                      | 37688                     | 60             | 40.0                    | 16725                      | 25088                     | MAXIMUM OTM =3,887,800 FT. LBS.<br>CORRESPONDING AXIAL FORCE = 75,820 LBS.<br>MAXIMUM AXIAL FORCE = 223,945 LBS.<br>CORRESPONDING OTM =2,024,075 FT. LBS. |
| 15                          | 78.0                    | 50350                      | 75525                     | 40             | 59.0                    | 22750                      | 34125                     | 65             | 34.0                    | 15700                      | 23550                     |                                                                                                                                                           |
| 20                          | 74.0                    | 38250                      | 57375                     | 45             | 54.0                    | 20500                      | 30750                     | 70             | 27.0                    | 14750                      | 22125                     |                                                                                                                                                           |
| 25                          | 70.5                    | 32450                      | 48675                     | 50             | 51.0                    | 19125                      | 28688                     | 75             | 20.0                    | 14000                      | 21000                     |                                                                                                                                                           |
| 30                          | 67.0                    | 28450                      | 42675                     | 55             | 45.0                    | 17750                      | 26625                     | 80             | 0.0                     | 12000                      | 18300                     |                                                                                                                                                           |

| MODEL C80-90 API LOAD CHART |                         |                            |                           |                |                         |                            |                           |                |                         |                            |                           | BASIC CRANE WEIGHT: 40,320 LBS.                                                                                                                            |
|-----------------------------|-------------------------|----------------------------|---------------------------|----------------|-------------------------|----------------------------|---------------------------|----------------|-------------------------|----------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH<br>(FT.)              | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(LBS.) | ONBOARD<br>LOAD<br>(LBS.) | REACH<br>(FT.) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(LBS.) | ONBOARD<br>LOAD<br>(LBS.) | REACH<br>(FT.) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(LBS.) | ONBOARD<br>LOAD<br>(LBS.) | API PEDESTAL REACTIONS<br>(REACTIONS @ 3 X OFFBOARD RATED LOAD)<br>(OTM = OVERTURNING MOMENT)                                                              |
| 10                          | 81.3                    | 61500                      | 92500                     | 40             | 61.5                    | 28850                      | 43275                     | 70             | 37.3                    | 14900                      | 22350                     | MAXIMUM OTM =3,993,696 FT. LBS.<br>CORRESPONDING AXIAL FORCE = 112,820 LBS.<br>MAXIMUM AXIAL FORCE = 220,820 LBS.<br>CORRESPONDING OTM =2,002,334 FT. LBS. |
| 15                          | 78.2                    | 48500                      | 87500                     | 45             | 58.0                    | 25500                      | 38250                     | 75             | 30.0                    | 13500                      | 20250                     |                                                                                                                                                            |
| 20                          | 75.0                    | 41700                      | 62250                     | 50             | 54.5                    | 22250                      | 33375                     | 80             | 25.5                    | 12100                      | 18150                     |                                                                                                                                                            |
| 25                          | 71.8                    | 36500                      | 54750                     | 55             | 50.5                    | 19750                      | 29625                     | 85             | 17.8                    | 11750                      | 17625                     |                                                                                                                                                            |
| 30                          | 68.5                    | 32800                      | 50400                     | 60             | 46.3                    | 17400                      | 26100                     | 90             | 0.0                     | 10500                      | 15750                     |                                                                                                                                                            |
| 35                          | 65.0                    | 33600                      | 49200                     | 65             | 42.0                    | 16100                      | 24150                     |                |                         |                            |                           |                                                                                                                                                            |

| MODEL C80-100 API LOAD CHART |                         |                            |                           |                |                         |                            |                           |                |                         |                            |                           | BASIC CRANE WEIGHT: 42,820 LBS.                                                                                                                           |
|------------------------------|-------------------------|----------------------------|---------------------------|----------------|-------------------------|----------------------------|---------------------------|----------------|-------------------------|----------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH<br>(FT.)               | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(LBS.) | ONBOARD<br>LOAD<br>(LBS.) | REACH<br>(FT.) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(LBS.) | ONBOARD<br>LOAD<br>(LBS.) | REACH<br>(FT.) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(LBS.) | ONBOARD<br>LOAD<br>(LBS.) | API PEDESTAL REACTIONS<br>(REACTIONS @ 3 X OFFBOARD RATED LOAD)<br>(OTM = OVERTURNING MOMENT)                                                             |
| 10                           | 82.5                    | 56500                      | 84750                     | 45             | 61.5                    | 19400                      | 29100                     | 80             | 35.5                    | 10125                      | 15188                     | MAXIMUM OTM =3,537,306 FT. LBS.<br>CORRESPONDING AXIAL FORCE = 63,420 LBS.<br>MAXIMUM AXIAL FORCE = 208,320 LBS.<br>CORRESPONDING OTM =1,858,830 FT. LBS. |
| 15                           | 79.5                    | 46500                      | 69750                     | 50             | 58.3                    | 16525                      | 24788                     | 85             | 30.0                    | 9400                       | 14100                     |                                                                                                                                                           |
| 20                           | 76.5                    | 39250                      | 58875                     | 55             | 55.0                    | 15000                      | 22500                     | 90             | 24.5                    | 8750                       | 13125                     |                                                                                                                                                           |
| 25                           | 73.5                    | 34500                      | 51750                     | 60             | 51.5                    | 13750                      | 20625                     | 95             | 17.0                    | 8200                       | 12300                     |                                                                                                                                                           |
| 30                           | 70.5                    | 28500                      | 42750                     | 65             | 47.5                    | 12700                      | 19050                     | 100            | 0.0                     | 7500                       | 11250                     |                                                                                                                                                           |
| 35                           | 67.5                    | 23500                      | 35250                     | 70             | 44.0                    | 11750                      | 17625                     |                |                         |                            |                           |                                                                                                                                                           |
| 40                           | 64.5                    | 21500                      | 32250                     | 75             | 40.0                    | 10900                      | 16350                     |                |                         |                            |                           |                                                                                                                                                           |

IN ACCORDANCE WITH API-2C, VALUES SHOWN ARE ACTUAL HOOK LOAD (WEIGHT OF BLOCK AND HOOK EXCLUDED).  
LOAD LINE BLOCK WEIGHT IS 1500 LBS.  
LOAD LINE (6 PART LINE): 1" 19X7 EIPS IWRC; 84,400 LB. BREAKING STRENGTH; 16,880 LB. WORKING STRENGTH.  
FAST LINE BLOCK WEIGHT IS 100 LBS.  
FAST LINE (1 PART LINE): 9/16" 19X7 EIPS IWRC; 25,000 LB. BREAKING STRENGTH; 5,000 LB. WORKING STRENGTH.  
ONBOARD LOAD = 1.5 X OFFBOARD LOAD.  
PEDESTAL REACTIONS ARE BASED ON THREE TIMES THE OFFBOARD LOAD PLUS DEAD LOAD

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MODEL C80 FIXED BOOM CRANES

(INTERNATIONAL METRIC UNITS)

LOAD CHARTS FOR VARIABLE BOOM LENGTHS AVAILABLE UPON REQUEST.

| MODEL C80-60 API LOAD CHART (18.3 METERS) |                         |                            |                           |                   |                         |                            |                           |                   |                         |                            |                           | BASIC CRANE WEIGHT: 14,887 KGS.                                                                                                                   |
|-------------------------------------------|-------------------------|----------------------------|---------------------------|-------------------|-------------------------|----------------------------|---------------------------|-------------------|-------------------------|----------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH<br>(METERS)                         | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(KGS.) | ONBOARD<br>LOAD<br>(KGS.) | REACH<br>(METERS) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(KGS.) | ONBOARD<br>LOAD<br>(KGS.) | REACH<br>(METERS) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(KGS.) | ONBOARD<br>LOAD<br>(KGS.) | API PEDESTAL REACTIONS<br>(REACTIONS @ 3 X OFFBOARD RATED LOAD)<br>(OTM = OVERTURNING MOMENT)                                                     |
| 3.0                                       | 77.5                    | 32931                      | 43885                     | 9.1               | 57.3                    | 16216                      | 24324                     | 15.2              | 31.5                    | 11090                      | 16636                     | MAXIMUM OTM = 568 TON METERS<br>CORRESPONDING AXIAL FORCE = 43,690 KGS.<br>MAXIMUM AXIAL FORCE =111,865 KGS.<br>CORRESPONDING OTM =314 TON METERS |
| 4.6                                       | 72.5                    | 28350                      | 38782                     | 10.7              | 51.5                    | 14424                      | 21636                     | 16.8              | 21.5                    | 10206                      | 15309                     |                                                                                                                                                   |
| 6.1                                       | 67.5                    | 22453                      | 33679                     | 12.2              | 45.5                    | 13041                      | 19561                     | 18.3              | 0.0                     | 9049                       | 13574                     |                                                                                                                                                   |
| 7.6                                       | 62.5                    | 18597                      | 27896                     | 13.7              | 39.0                    | 11975                      | 17962                     |                   |                         |                            |                           |                                                                                                                                                   |

| MODEL C80-70 API LOAD CHART (21.3 METERS) |                         |                            |                           |                   |                         |                            |                           |                   |                         |                            |                           | BASIC CRANE WEIGHT: 16,021 KGS.                                                                                                                    |
|-------------------------------------------|-------------------------|----------------------------|---------------------------|-------------------|-------------------------|----------------------------|---------------------------|-------------------|-------------------------|----------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH<br>(METERS)                         | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(KGS.) | ONBOARD<br>LOAD<br>(KGS.) | REACH<br>(METERS) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(KGS.) | ONBOARD<br>LOAD<br>(KGS.) | REACH<br>(METERS) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(KGS.) | ONBOARD<br>LOAD<br>(KGS.) | API PEDESTAL REACTIONS<br>(REACTIONS @ 3 X OFFBOARD RATED LOAD)<br>(OTM = OVERTURNING MOMENT)                                                      |
| 3.0                                       | 81.3                    | 31071                      | 43885                     | 10.7              | 65.0                    | 13154                      | 19731                     | 18.3              | 46.3                    | 8664                       | 12995                     | MAXIMUM OTM = 564 TON METERS<br>CORRESPONDING AXIAL FORCE = 38,973 KGS.<br>MAXIMUM AXIAL FORCE = 107,420 KGS.<br>CORRESPONDING OTM =300 TON METERS |
| 4.6                                       | 78.2                    | 26535                      | 37421                     | 12.2              | 61.5                    | 11861                      | 17792                     | 19.8              | 42.0                    | 8255                       | 12383                     |                                                                                                                                                    |
| 6.1                                       | 75.0                    | 20185                      | 30277                     | 13.7              | 58.0                    | 10818                      | 16227                     | 21.3              | 37.3                    | 6849                       | 10274                     |                                                                                                                                                    |
| 7.6                                       | 71.8                    | 17441                      | 26161                     | 15.2              | 54.5                    | 9934                       | 14901                     |                   |                         |                            |                           |                                                                                                                                                    |
| 9.1                                       | 68.5                    | 15195                      | 22793                     | 16.8              | 50.5                    | 9412                       | 14118                     |                   |                         |                            |                           |                                                                                                                                                    |

| MODEL C80-80 API LOAD CHART (24.4 METERS) |                         |                            |                           |                   |                         |                            |                           |                   |                         |                            |                           | BASIC CRANE WEIGHT: 17,155 KGS.                                                                                                                    |
|-------------------------------------------|-------------------------|----------------------------|---------------------------|-------------------|-------------------------|----------------------------|---------------------------|-------------------|-------------------------|----------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH<br>(METERS)                         | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(KGS.) | ONBOARD<br>LOAD<br>(KGS.) | REACH<br>(METERS) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(KGS.) | ONBOARD<br>LOAD<br>(KGS.) | REACH<br>(METERS) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(KGS.) | ONBOARD<br>LOAD<br>(KGS.) | API PEDESTAL REACTIONS<br>(REACTIONS @ 3 X OFFBOARD RATED LOAD)<br>(OTM = OVERTURNING MOMENT)                                                      |
| 3.0                                       | 81.0                    | 28746                      | 43120                     | 10.7              | 63.0                    | 11397                      | 17095                     | 18.3              | 40.0                    | 7586                       | 11380                     | MAXIMUM OTM = 538 TON METERS<br>CORRESPONDING AXIAL FORCE = 34,391 KGS.<br>MAXIMUM AXIAL FORCE = 101,580 KGS.<br>CORRESPONDING OTM =280 TON METERS |
| 4.6                                       | 78.0                    | 22838                      | 34258                     | 12.2              | 59.0                    | 10319                      | 15479                     | 19.8              | 34.0                    | 7121                       | 10682                     |                                                                                                                                                    |
| 6.1                                       | 74.0                    | 17350                      | 26025                     | 13.7              | 54.0                    | 9299                       | 13948                     | 21.3              | 27.0                    | 6690                       | 10036                     |                                                                                                                                                    |
| 7.6                                       | 70.5                    | 14719                      | 22079                     | 15.2              | 51.0                    | 8675                       | 13012                     | 22.9              | 20.0                    | 6350                       | 9525                      |                                                                                                                                                    |
| 9.1                                       | 67.0                    | 12905                      | 19357                     | 16.8              | 45.0                    | 8051                       | 12077                     | 24.4              | 0.0                     | 5534                       | 8301                      |                                                                                                                                                    |

| MODEL C80-90 API LOAD CHART (27.4 METERS) |                         |                            |                           |                   |                         |                            |                           |                   |                         |                            |                           | BASIC CRANE WEIGHT: 18,289 KGS.                                                                                                                    |
|-------------------------------------------|-------------------------|----------------------------|---------------------------|-------------------|-------------------------|----------------------------|---------------------------|-------------------|-------------------------|----------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH<br>(METERS)                         | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(KGS.) | ONBOARD<br>LOAD<br>(KGS.) | REACH<br>(METERS) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(KGS.) | ONBOARD<br>LOAD<br>(KGS.) | REACH<br>(METERS) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(KGS.) | ONBOARD<br>LOAD<br>(KGS.) | API PEDESTAL REACTIONS<br>(REACTIONS @ 3 X OFFBOARD RATED LOAD)<br>(OTM = OVERTURNING MOMENT)                                                      |
| 3.0                                       | 81.3                    | 27896                      | 41957                     | 12.2              | 61.5                    | 13086                      | 19629                     | 21.3              | 37.3                    | 6759                       | 10138                     | MAXIMUM OTM = 552 TON METERS<br>CORRESPONDING AXIAL FORCE = 51,174 KGS.<br>MAXIMUM AXIAL FORCE = 100,162 KGS.<br>CORRESPONDING OTM =277 TON METERS |
| 4.6                                       | 78.2                    | 21999                      | 39689                     | 13.7              | 58.0                    | 11567                      | 17350                     | 22.9              | 30.0                    | 6124                       | 9185                      |                                                                                                                                                    |
| 6.1                                       | 75.0                    | 18915                      | 28261                     | 15.2              | 54.5                    | 10092                      | 15139                     | 24.4              | 25.5                    | 5488                       | 8233                      |                                                                                                                                                    |
| 7.6                                       | 71.8                    | 16556                      | 24834                     | 16.8              | 50.5                    | 8958                       | 13438                     | 25.9              | 17.8                    | 5330                       | 7995                      |                                                                                                                                                    |
| 9.1                                       | 68.5                    | 14878                      | 22861                     | 18.3              | 46.3                    | 7893                       | 11839                     | 27.4              | 0.0                     | 4763                       | 7144                      |                                                                                                                                                    |
| 10.7                                      | 65.0                    | 15241                      | 22317                     | 19.8              | 42.0                    | 7303                       | 10954                     |                   |                         |                            |                           |                                                                                                                                                    |

| MODEL C80-100 API LOAD CHART (30.5 METERS) |                         |                            |                           |                   |                         |                            |                           |                   |                         |                            |                           | BASIC CRANE WEIGHT: 19,423 KGS.                                                                                                                    |
|--------------------------------------------|-------------------------|----------------------------|---------------------------|-------------------|-------------------------|----------------------------|---------------------------|-------------------|-------------------------|----------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH<br>(METERS)                          | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(KGS.) | ONBOARD<br>LOAD<br>(KGS.) | REACH<br>(METERS) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(KGS.) | ONBOARD<br>LOAD<br>(KGS.) | REACH<br>(METERS) | BOOM<br>ANGLE<br>(DEG.) | OFFBOARD<br>LOAD<br>(KGS.) | ONBOARD<br>LOAD<br>(KGS.) | API PEDESTAL REACTIONS<br>(REACTIONS @ 3 X OFFBOARD RATED LOAD)<br>(OTM = OVERTURNING MOMENT)                                                      |
| 3.0                                        | 82.5                    | 25628                      | 38442                     | 13.7              | 61.5                    | 8800                       | 13200                     | 24.4              | 35.5                    | 4593                       | 6889                      | MAXIMUM OTM = 489 TON METERS<br>CORRESPONDING AXIAL FORCE = 28,767 KGS.<br>MAXIMUM AXIAL FORCE = 94,492 KGS.<br>CORRESPONDING OTM = 257 TON METERS |
| 4.6                                        | 79.5                    | 21092                      | 31638                     | 15.2              | 58.3                    | 7496                       | 11243                     | 25.9              | 30.0                    | 4264                       | 6396                      |                                                                                                                                                    |
| 6.1                                        | 76.5                    | 17804                      | 26705                     | 16.8              | 55.0                    | 6804                       | 10206                     | 27.4              | 24.5                    | 3969                       | 5953                      |                                                                                                                                                    |
| 7.6                                        | 73.5                    | 15649                      | 23473                     | 18.3              | 51.5                    | 6237                       | 9355                      | 29.0              | 17.0                    | 3719                       | 5579                      |                                                                                                                                                    |
| 9.1                                        | 70.5                    | 12927                      | 19391                     | 19.8              | 47.5                    | 5761                       | 8641                      | 30.5              | 0.0                     | 3402                       | 5103                      |                                                                                                                                                    |
| 10.7                                       | 67.5                    | 10659                      | 15989                     | 21.3              | 44.0                    | 5330                       | 7995                      |                   |                         |                            |                           |                                                                                                                                                    |
| 12.2                                       | 64.5                    | 9752                       | 14628                     | 22.9              | 40.0                    | 4944                       | 7416                      |                   |                         |                            |                           |                                                                                                                                                    |

IN ACCORDANCE WITH API-2C, VALUES SHOWN ARE ACTUAL HOOK LOAD (WEIGHT OF BLOCK AND HOOK EXCLUDED).  
LOAD LINE BLOCK WEIGHT IS 681 KGS.  
LOAD LINE (6 PART LINE): 1" 19X7 EIPS IWRC; 38,294 KGS. BREAKING STRENGTH; 7,659 KGS. WORKING STRENGTH.  
FAST LINE BLOCK WEIGHT IS 45.4 KGS.  
FAST LINE (1 PART LINE): 9/16" 19X7 EIPS IWRC; 11,340 KGS. BREAKING STRENGTH; 2,268 KGS. WORKING STRENGTH.  
ONBOARD LOAD = 1.5 X OFFBOARD LOAD.  
PEDESTAL REACTIONS ARE BASED ON THREE TIMES THE OFFBOARD LOAD PLUS DEAD LOAD

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