

The last hammer update was 10/16/2016. After 11/17/2016 GRLWEAP 2010 users don't have to update, they have all current information.

| ID | Hammer Manufacturer | Hammer Model | Hammer Type | English Units | | | SI Units | | |
|------|---------------------|--------------|-------------|----------------------------|-------------------|-------------|------------------------|-----------------|------------|
| | | | | Energy/Power (kip-ft)/(kW) | Ram Weight (kips) | Stroke (ft) | Energy/Power (kJ)/(kW) | Ram Weight (kN) | Stroke (m) |
| 1288 | APE | 8a | ECH | 24 | 12 | 2 | 32.553 | 53.4 | 0.61 |
| 774 | APE | 20E | VIB | 59.67 | 0.15 | 38.3 | 59.67 | 0.668 | 38.3 |
| 776 | APE | 50E | VIB | 194 | 0.233 | 30 | 194 | 1.037 | 30 |
| 1285 | APE | 3-Jul | ECH | 42 | 14 | 3 | 56.967 | 62.3 | 0.914 |
| 1286 | APE | 3-Aug | ECH | 48 | 16 | 3 | 65.105 | 71.2 | 0.914 |
| 778 | APE | 100E | VIB | 194 | 0.144 | 30 | 194 | 0.642 | 30 |
| 1289 | APE | 4-Oct | ECH | 80 | 20 | 4 | 108.509 | 89 | 1.219 |
| 781 | APE | 150T | VIB | 260 | 0.17 | 30 | 260 | 0.759 | 30 |
| 784 | APE | 200T | VIB | 466 | 0.341 | 30.83 | 466 | 1.517 | 30.83 |
| 787 | APE | 400B | VIB | 738 | 0.78 | 23.33 | 738 | 3.471 | 23.33 |
| 596 | APE | 400U | ECH | 400 | 80 | 5 | 542.544 | 356 | 1.524 |
| 1280 | APE | 7.5a | ECH | 24 | 12 | 2 | 32.553 | 53.4 | 0.61 |
| 1281 | APE | 7.5b | ECH | 20.4 | 10.2 | 2 | 27.67 | 45.39 | 0.61 |
| 1282 | APE | 7.5c | ECH | 15.2 | 7.6 | 2 | 20.617 | 33.82 | 0.61 |
| 598 | APE | 750U | ECH | 750 | 120 | 6.25 | 1017.27 | 534 | 1.905 |
| 1283 | APE | 9.5a | ECH | 50.656 | 16 | 3.166 | 68.708 | 71.2 | 0.965 |
| 1284 | APE | 9.5b | ECH | 44.324 | 14 | 3.166 | 60.119 | 62.3 | 0.965 |
| 779 | APE | 100HF | VIB | 260 | 0.144 | 43 | 260 | 0.642 | 43 |
| 595 | APE | Oct-60 | ECH | 100 | 20 | 5 | 135.636 | 89 | 1.524 |
| 782 | APE | 150HF | VIB | 466 | 0.32 | 43 | 466 | 1.424 | 43 |
| 594 | APE | 15-60 | ECH | 150 | 30 | 5 | 203.454 | 133.5 | 1.524 |
| 791 | APE | 200-6 | VIB | 470 | 0.433 | 30 | 470 | 1.927 | 30 |
| 591 | APE | 5.4mT | ECH | 26 | 12 | 2.167 | 35.266 | 53.4 | 0.66 |
| 592 | APE | 7.2mT | ECH | 51.3 | 16.2 | 3.167 | 69.581 | 72.09 | 0.965 |
| 570 | APE | D 1-42 | OED | 1.317 | 0.208 | 6.333 | 1.787 | 0.926 | 1.93 |
| 569 | APE | D 8-42 | OED | 19.8 | 1.76 | 11.25 | 26.856 | 7.832 | 3.429 |
| 785 | APE | 200T HF | VIB | 738 | 0.341 | 43 | 738 | 1.517 | 43 |
| 584 | APE | D 12-42 | OED | 29.767 | 2.646 | 11.25 | 40.375 | 11.775 | 3.429 |
| 1262 | APE | D 16-32 | OED | 39.69 | 3.528 | 11.25 | 53.834 | 15.7 | 3.429 |
| 579 | APE | D 16-42 | OED | 39.69 | 3.528 | 11.25 | 53.834 | 15.7 | 3.429 |
| 580 | APE | D 16-52 | OED | 39.69 | 3.528 | 11.25 | 53.834 | 15.7 | 3.429 |
| 1263 | APE | D 19-32 | OED | 47.126 | 4.189 | 11.25 | 63.92 | 18.641 | 3.429 |
| 571 | APE | D 19-42 | OED | 47.126 | 4.189 | 11.25 | 63.92 | 18.641 | 3.429 |
| 1261 | APE | D 19-52 | OED | 47.126 | 4.189 | 11.25 | 63.92 | 18.641 | 3.429 |
| 1264 | APE | D 25-32 | OED | 62.01 | 5.512 | 11.25 | 84.108 | 24.528 | 3.429 |
| 581 | APE | D 25-42 | OED | 62.01 | 5.512 | 11.25 | 84.108 | 24.528 | 3.429 |
| 1273 | APE | D 25-52 | OED | 62.01 | 5.512 | 11.25 | 84.108 | 24.528 | 3.429 |
| 1265 | APE | D 30-32 | OED | 74.419 | 6.615 | 11.25 | 100.939 | 29.437 | 3.429 |
| 572 | APE | D 30-42 | OED | 74.419 | 6.615 | 11.25 | 100.939 | 29.437 | 3.429 |
| 1274 | APE | D 30-52 | OED | 74.419 | 6.615 | 11.25 | 100.939 | 29.437 | 3.429 |
| 585 | APE | D 36-26 | OED | 89.303 | 7.938 | 11.25 | 121.126 | 35.324 | 3.429 |
| 1266 | APE | D 36-32 | OED | 89.303 | 7.938 | 11.25 | 121.126 | 35.324 | 3.429 |
| 573 | APE | D 36-42 | OED | 89.303 | 7.938 | 11.25 | 121.126 | 35.324 | 3.429 |
| 1275 | APE | D 36-52 | OED | 89.303 | 7.938 | 11.25 | 121.126 | 35.324 | 3.429 |
| 1267 | APE | D 46-32 | OED | 114.109 | 10.143 | 11.25 | 154.773 | 45.136 | 3.429 |
| 574 | APE | D 46-42 | OED | 114.109 | 10.143 | 11.25 | 154.773 | 45.136 | 3.429 |
| 1276 | APE | D 46-52 | OED | 114.109 | 10.143 | 11.25 | 154.773 | 45.136 | 3.429 |

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|------|-----|----------|-----|---------|--------|-------|---------|---------|-------|
| 583 | APE | D 50-42 | OED | 124.031 | 11.025 | 11.25 | 168.231 | 49.061 | 3.429 |
| 1277 | APE | D 50-52 | OED | 124.031 | 11.025 | 11.25 | 168.231 | 49.061 | 3.429 |
| 1268 | APE | D 62-22 | OED | 153.799 | 13.671 | 11.25 | 208.606 | 60.836 | 3.429 |
| 575 | APE | D 62-42 | OED | 153.799 | 13.671 | 11.25 | 208.606 | 60.836 | 3.429 |
| 1278 | APE | D 62-52 | OED | 153.799 | 13.671 | 11.25 | 208.606 | 60.836 | 3.429 |
| 1272 | APE | D 70-42 | OED | 173.644 | 15.435 | 11.25 | 235.523 | 68.686 | 3.429 |
| 1279 | APE | D 70-52 | OED | 173.644 | 15.435 | 11.25 | 235.523 | 68.686 | 3.429 |
| 1269 | APE | D 80-23 | OED | 198.45 | 17.64 | 11.25 | 269.17 | 78.498 | 3.429 |
| 576 | APE | D 80-42 | OED | 198.45 | 17.64 | 11.25 | 269.17 | 78.498 | 3.429 |
| 789 | APE | Tan 400 | VIB | 1476 | 1.368 | 23.33 | 1476 | 6.088 | 23.33 |
| 790 | APE | Tan 600 | VIB | 1800 | 2.105 | 23.3 | 1800 | 9.367 | 23.3 |
| 599 | APE | D 100-13 | OED | 300.042 | 23.7 | 12.66 | 406.965 | 105.465 | 3.859 |
| 1270 | APE | D 100-32 | OED | 248.062 | 22.05 | 11.25 | 336.462 | 98.122 | 3.429 |
| 577 | APE | D 100-42 | OED | 248.062 | 22.05 | 11.25 | 336.462 | 98.122 | 3.429 |
| 1271 | APE | D 120-32 | OED | 349.692 | 27.6 | 12.67 | 474.308 | 122.82 | 3.862 |
| 582 | APE | D 125-42 | OED | 310.084 | 27.563 | 11.25 | 420.585 | 122.655 | 3.429 |
| 586 | APE | D 128-42 | OED | 317.25 | 28.2 | 11.25 | 430.305 | 125.49 | 3.429 |
| 587 | APE | D 138-42 | OED | 342 | 30.4 | 11.25 | 463.875 | 135.28 | 3.429 |
| 588 | APE | D 160-42 | OED | 396.9 | 35.28 | 11.25 | 538.339 | 156.996 | 3.429 |
| 589 | APE | D 180-42 | OED | 446.512 | 39.69 | 11.25 | 605.632 | 176.62 | 3.429 |
| 593 | APE | D 220-42 | OED | 540.814 | 48.46 | 11.16 | 733.538 | 215.647 | 3.402 |
| 590 | APE | D 225-42 | OED | 558 | 49.6 | 11.25 | 756.849 | 220.72 | 3.429 |
| 777 | APE | 100 | VIB | 194 | 0.318 | 30 | 194 | 1.415 | 30 |
| 772 | APE | 15 | VIB | 59.67 | 0.108 | 30 | 59.67 | 0.481 | 30 |
| 780 | APE | 150 | VIB | 260 | 0.144 | 30 | 260 | 0.642 | 30 |
| 773 | APE | 20 | VIB | 59.67 | 0.15 | 38.3 | 59.67 | 0.668 | 38.3 |
| 783 | APE | 200 | VIB | 466 | 0.289 | 30 | 466 | 1.284 | 30 |
| 770 | APE | 3 | VIB | 10.58 | 0.004 | 38.3 | 10.58 | 0.019 | 38.3 |
| 786 | APE | 300 | VIB | 738 | 0.342 | 25 | 738 | 1.522 | 25 |
| 775 | APE | 50 | VIB | 194 | 0.233 | 30 | 194 | 1.037 | 30 |
| 771 | APE | 6 | VIB | 10.58 | 0.009 | 38.3 | 10.58 | 0.038 | 38.3 |
| 788 | APE | 600 | VIB | 800 | 1.052 | 23.3 | 800 | 4.681 | 23.3 |
| 1287 | APE | 8 | ECH | 16 | 8 | 2 | 21.702 | 35.6 | 0.61 |
| 381 | BSP | HH3 | ECH | 26.022 | 6.611 | 3.936 | 35.295 | 29.42 | 1.2 |
| 382 | BSP | HH5 | ECH | 43.375 | 11.02 | 3.936 | 58.832 | 49.039 | 1.2 |
| 383 | BSP | HH7 | ECH | 60.782 | 15.427 | 3.94 | 82.443 | 68.65 | 1.201 |
| 384 | BSP | HH8 | ECH | 69.502 | 17.64 | 3.94 | 94.269 | 78.498 | 1.201 |
| 385 | BSP | HH9 | ECH | 78.17 | 19.84 | 3.94 | 106.026 | 88.288 | 1.201 |
| 374 | BSP | CX40 | ECH | 28.207 | 6.613 | 4.265 | 38.259 | 29.43 | 1.3 |
| 375 | BSP | CX50 | ECH | 37.609 | 8.818 | 4.265 | 51.012 | 39.24 | 1.3 |
| 376 | BSP | CX60 | ECH | 47.012 | 11.022 | 4.265 | 63.765 | 49.05 | 1.3 |

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|-----|-----|----------|-----|---------|--------|-------|---------|---------|-------|
| 377 | BSP | CX75 | ECH | 52.075 | 13.227 | 3.937 | 70.632 | 58.86 | 1.2 |
| 378 | BSP | CX85 | ECH | 60.754 | 15.431 | 3.937 | 82.404 | 68.67 | 1.2 |
| 600 | BSP | DX20 | ECH | 14.109 | 3.308 | 4.265 | 19.137 | 14.721 | 1.3 |
| 601 | BSP | DX25 | ECH | 18.089 | 4.411 | 4.101 | 24.535 | 19.628 | 1.25 |
| 602 | BSP | DX30 | ECH | 21.706 | 5.513 | 3.937 | 29.442 | 24.535 | 1.2 |
| 391 | BSP | HA30 | ECH | 260.373 | 66.135 | 3.937 | 353.16 | 294.3 | 1.2 |
| 392 | BSP | HA40 | ECH | 347.164 | 88.18 | 3.937 | 470.88 | 392.4 | 1.2 |
| 369 | BSP | SL20 | ECH | 14.108 | 3.308 | 4.265 | 19.136 | 14.72 | 1.3 |
| 370 | BSP | SL30 | ECH | 21.693 | 5.51 | 3.937 | 29.424 | 24.52 | 1.2 |
| 396 | BSP | CG180 | ECH | 131.922 | 26.454 | 4.987 | 178.934 | 117.72 | 1.52 |
| 397 | BSP | CG210 | ECH | 153.91 | 30.863 | 4.987 | 208.757 | 137.34 | 1.52 |
| 398 | BSP | CG240 | ECH | 175.897 | 35.272 | 4.987 | 238.579 | 156.96 | 1.52 |
| 399 | BSP | CG270 | ECH | 197.884 | 39.681 | 4.987 | 268.402 | 176.58 | 1.52 |
| 400 | BSP | CG300 | ECH | 219.871 | 44.09 | 4.987 | 298.224 | 196.2 | 1.52 |
| 379 | BSP | CX110 | ECH | 78.112 | 19.84 | 3.937 | 105.948 | 88.29 | 1.2 |
| 606 | BSP | CGL370 | ECH | 271.222 | 55.112 | 4.921 | 367.875 | 245.25 | 1.5 |
| 607 | BSP | CGL440 | ECH | 325.467 | 66.135 | 4.921 | 441.45 | 294.3 | 1.5 |
| 608 | BSP | CGL520 | ECH | 379.711 | 77.157 | 4.921 | 515.025 | 343.35 | 1.5 |
| 609 | BSP | CGL590 | ECH | 433.956 | 88.18 | 4.921 | 588.6 | 392.4 | 1.5 |
| 604 | BSP | LX4-SA | ECH | 23.154 | 8.822 | 2.625 | 31.405 | 39.256 | 0.8 |
| 605 | BSP | LX5-SA | ECH | 28.942 | 11.027 | 2.625 | 39.256 | 49.07 | 0.8 |
| 610 | BSP | LX7-SA | ECH | 40.519 | 15.438 | 2.625 | 54.958 | 68.697 | 0.8 |
| 386 | BSP | HH11-1.2 | ECH | 95.545 | 24.25 | 3.94 | 129.593 | 107.913 | 1.201 |
| 393 | BSP | HH11-1.5 | ECH | 119.31 | 24.25 | 4.92 | 161.827 | 107.913 | 1.5 |
| 387 | BSP | HH14-1.2 | ECH | 121.588 | 30.86 | 3.94 | 164.918 | 137.327 | 1.201 |
| 394 | BSP | HH14-1.5 | ECH | 151.831 | 30.86 | 4.92 | 205.938 | 137.327 | 1.5 |
| 388 | BSP | HH16-1.2 | ECH | 138.866 | 35.272 | 3.937 | 188.352 | 156.96 | 1.2 |
| 395 | BSP | HH16-1.5 | ECH | 173.538 | 35.272 | 4.92 | 235.38 | 156.96 | 1.5 |
| 603 | BSP | LX2.5-SA | ECH | 14.471 | 5.513 | 2.625 | 19.628 | 24.535 | 0.8 |
| 801 | DKH | PH-5 | ECH | 43.396 | 11.023 | 3.937 | 58.86 | 49.05 | 1.2 |
| 802 | DKH | PH-7 | ECH | 60.754 | 15.432 | 3.937 | 82.404 | 68.67 | 1.2 |
| 804 | DKH | PH-10 | ECH | 86.791 | 22.045 | 3.937 | 117.72 | 98.1 | 1.2 |
| 805 | DKH | PH-13 | ECH | 112.828 | 28.658 | 3.937 | 153.036 | 127.53 | 1.2 |
| 806 | DKH | PH-20 | ECH | 216.978 | 44.09 | 4.921 | 294.3 | 196.2 | 1.5 |
| 807 | DKH | PH-30 | ECH | 325.467 | 66.135 | 4.921 | 441.45 | 294.3 | 1.5 |
| 808 | DKH | PH-40 | ECH | 433.956 | 88.18 | 4.921 | 588.6 | 392.4 | 1.5 |
| 803 | DKH | PH-7S | ECH | 60.754 | 15.432 | 3.937 | 82.404 | 68.67 | 1.2 |
| 809 | DKH | DKH-713 | ECH | 112.92 | 28.66 | 3.94 | 153.161 | 127.537 | 1.201 |
| 56 | FEC | D-18 | OED | 39.7 | 3.97 | 10 | 53.847 | 17.667 | 3.048 |
| 50 | FEC | FEC 1200 | OED | 22.495 | 2.75 | 8.18 | 30.511 | 12.238 | 2.493 |
| 51 | FEC | FEC 1500 | OED | 27.093 | 3.3 | 8.21 | 36.748 | 14.685 | 2.502 |
| 52 | FEC | FEC 2500 | OED | 49.995 | 5.5 | 9.09 | 67.811 | 24.475 | 2.771 |

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| 53 | FEC | FEC 2800 | OED | 55.994 | 6.16 | 9.09 | 75.949 | 27.412 | 2.771 |
| 54 | FEC | FEC 3000 | OED | 63.03 | 6.6 | 9.55 | 85.491 | 29.37 | 2.911 |
| 55 | FEC | FEC 3400 | OED | 73.005 | 7.48 | 9.76 | 99.021 | 33.286 | 2.975 |
| 1340 | H&M | H-150 | VIB | 94 | 0.111 | 28.3 | 94 | 0.494 | 28.3 |
| 1341 | H&M | H-1700 | VIB | 165 | 0.202 | 20 | 165 | 0.899 | 20 |
| 567 | HMC | 19D | ECH | 14 | 3.5 | 4 | 18.989 | 15.575 | 1.219 |
| 560 | HMC | 28A | ECH | 28 | 7 | 4 | 37.978 | 31.15 | 1.219 |
| 561 | HMC | 28B | ECH | 21 | 7 | 3 | 28.484 | 31.15 | 0.914 |
| 568 | HMC | 38D | ECH | 28 | 7 | 4 | 37.978 | 31.15 | 1.219 |
| 720 | HMC | 3+28 | VIB | 21 | 0.108 | 26.8 | 21 | 0.483 | 26.8 |
| 721 | HMC | 3+75 | VIB | 56 | 0.108 | 36.1 | 56 | 0.483 | 36.1 |
| 1620 | HMC | TD19 | OED | 46.09 | 4.011 | 11.492 | 62.514 | 17.847 | 3.503 |
| 1621 | HMC | TD30 | OED | 69.867 | 6.611 | 10.569 | 94.764 | 29.418 | 3.221 |
| 722 | HMC | 13+200 | VIB | 149 | 0.353 | 26.7 | 149 | 1.569 | 26.7 |
| 725 | HMC | 25+220 | VIB | 164 | 0.605 | 20.9 | 164 | 2.694 | 20.9 |
| 726 | HMC | 26+335 | VIB | 242 | 0.705 | 25.6 | 242 | 3.139 | 25.6 |
| 728 | HMC | 51+335 | VIB | 242 | 1.211 | 19.5 | 242 | 5.389 | 19.5 |
| 729 | HMC | 51+535 | VIB | 377 | 1.211 | 26.4 | 377 | 5.389 | 26.4 |
| 731 | HMC | 51+740 | VIB | 485 | 1.211 | 27.5 | 485 | 5.389 | 27.5 |
| 732 | HMC | 76+740 | VIB | 485 | 1.816 | 21.7 | 485 | 8.083 | 21.7 |
| 733 | HMC | 76+800 | VIB | 597 | 1.816 | 26.1 | 597 | 8.083 | 26.1 |
| 734 | HMC | 115+800 | VIB | 597 | 1.347 | 20.4 | 597 | 5.994 | 20.4 |
| 724 | HMC | 13H+200 | VIB | 164 | 0.353 | 29.8 | 164 | 1.569 | 29.8 |
| 723 | HMC | 13S+200 | VIB | 149 | 0.353 | 26.7 | 149 | 1.569 | 26.7 |
| 727 | HMC | 26S+335 | VIB | 242 | 0.705 | 25.6 | 242 | 3.139 | 25.6 |
| 730 | HMC | 51S+535 | VIB | 377 | 1.211 | 26.4 | 377 | 5.389 | 26.4 |
| 735 | HMC | 230+1600 | VIB | 1193 | 2.694 | 20.4 | 1193 | 11.988 | 20.4 |
| 564 | HMC | 119 | ECH | 88 | 22 | 4 | 119.36 | 97.9 | 1.219 |
| 565 | HMC | 149 | ECH | 110 | 27.5 | 4 | 149.2 | 122.375 | 1.219 |
| 566 | HMC | 187 | ECH | 138 | 34.5 | 4 | 187.178 | 153.525 | 1.219 |
| 562 | HMC | 62 | ECH | 46 | 11.5 | 4 | 62.393 | 51.175 | 1.219 |
| 563 | HMC | 86 | ECH | 64 | 16 | 4 | 86.807 | 71.2 | 1.219 |
| 899 | ICE | 44B | VIB | 595 | 1.3 | 30 | 595 | 5.785 | 30 |
| 698 | ICE | 50B | VIB | 432 | 10.415 | 26.7 | 432 | 46.347 | 26.7 |
| 890 | ICE | 7RF | VIB | 154 | 0.507 | 38.3 | 154 | 2.254 | 38.3 |
| 716 | ICE | 14RF | VIB | 242 | 1.013 | 38.3 | 242 | 4.508 | 38.3 |
| 702 | ICE | 216E | VIB | 130 | 0.46 | 26.7 | 130 | 2.047 | 26.7 |
| 880 | ICE | 23RF | VIB | 384 | 0.832 | 38.3 | 384 | 3.702 | 38.3 |
| 127 | ICE | 30-S | OED | 22.5 | 3 | 7.5 | 30.518 | 13.35 | 2.286 |
| 895 | ICE | 32RF | VIB | 391 | 1.158 | 33.3 | 391 | 5.152 | 33.3 |
| 139 | ICE | 32-S | OED | 26.01 | 3 | 8.67 | 35.279 | 13.35 | 2.643 |
| 896 | ICE | 36RF | VIB | 431 | 1.302 | 33.3 | 431 | 5.794 | 33.3 |
| 128 | ICE | 40-S | OED | 40 | 4 | 10 | 54.254 | 17.8 | 3.048 |

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| 705 | ICE | 416L | VIB | 242 | 0.92 | 26.7 | 242 | 4.094 | 26.7 |
| 129 | ICE | 42-S | OED | 42.004 | 4.09 | 10.27 | 56.973 | 18.201 | 3.13 |
| 897 | ICE | 46RF | VIB | 678 | 1.66 | 38.3 | 678 | 7.387 | 38.3 |
| 130 | ICE | 60-S | OED | 59.99 | 7 | 8.57 | 81.368 | 31.15 | 2.612 |
| 898 | ICE | 64RF | VIB | 663 | 1.158 | 32.5 | 663 | 5.153 | 32.5 |
| 131 | ICE | 70-S | OED | 70 | 7 | 10 | 94.945 | 31.15 | 3.048 |
| 132 | ICE | 80-S | OED | 80 | 8 | 10 | 108.509 | 35.6 | 3.048 |
| 133 | ICE | 90-S | OED | 90 | 9 | 10 | 122.072 | 40.05 | 3.048 |
| 1512 | ICE | IP-2 | ECH | 17.358 | 4.409 | 3.937 | 23.544 | 19.62 | 1.2 |
| 1513 | ICE | IP-3 | ECH | 26.037 | 6.613 | 3.937 | 35.316 | 29.43 | 1.2 |
| 1514 | ICE | IP-5 | ECH | 43.396 | 11.022 | 3.937 | 58.86 | 49.05 | 1.2 |
| 1515 | ICE | IP-7 | ECH | 60.754 | 15.431 | 3.937 | 82.404 | 68.67 | 1.2 |
| 715 | ICE | V125 | VIB | 984 | 1.042 | 25.8 | 984 | 4.637 | 25.8 |
| 885 | ICE | V360 | VIB | 783 | 0.941 | 25 | 783 | 4.186 | 25 |
| 134 | ICE | 100-S | OED | 100 | 10 | 10 | 135.636 | 44.5 | 3.048 |
| 703 | ICE | 23-Nov | VIB | 164 | 0.46 | 31.7 | 164 | 2.047 | 31.7 |
| 135 | ICE | 120-S | OED | 120 | 12 | 10 | 162.763 | 53.4 | 3.048 |
| 713 | ICE | 1412B | VIB | 597 | 2.036 | 21 | 597 | 9.06 | 21 |
| 714 | ICE | 1412C | VIB | 470 | 2.022 | 23 | 470 | 9 | 23 |
| 717 | ICE | 14-23 | VIB | 164 | 1.165 | 35 | 164 | 5.184 | 35 |
| 136 | ICE | 200-S | OED | 100 | 20 | 5 | 135.636 | 89 | 1.524 |
| 137 | ICE | 205-S | OED | 170 | 20 | 8.5 | 230.581 | 89 | 2.591 |
| 719 | ICE | 22-30 | VIB | 250 | 0.917 | 26.9 | 250 | 4.079 | 26.9 |
| 700 | ICE | 23-28 | VIB | 21 | 0.096 | 26.7 | 21 | 0.427 | 26.7 |
| 882 | ICE | 23-40 | VIB | 30 | 0.192 | 31.8 | 30 | 0.853 | 31.8 |
| 883 | ICE | 28-35 | VIB | 261 | 1.158 | 27.3 | 261 | 5.152 | 27.3 |
| 708 | ICE | 44-30 | VIB | 242 | 1.3 | 20 | 242 | 5.785 | 20 |
| 709 | ICE | 44-50 | VIB | 377 | 1.3 | 26.7 | 377 | 5.785 | 26.7 |
| 710 | ICE | 44-65 | VIB | 485 | 1.3 | 27.5 | 485 | 5.785 | 27.5 |
| 888 | ICE | 44-70 | VIB | 585 | 0.917 | 28.1 | 585 | 4.08 | 28.1 |
| 711 | ICE | 66-65 | VIB | 485 | 1.95 | 21.7 | 485 | 8.678 | 21.7 |
| 889 | ICE | 66-70 | VIB | 585 | 0.917 | 23 | 585 | 4.08 | 23 |
| 712 | ICE | 66-80 | VIB | 597 | 1.95 | 26.7 | 597 | 8.678 | 26.7 |
| 1502 | ICE | I-8v2 | OED | 18.689 | 1.764 | 10.597 | 25.349 | 7.848 | 3.23 |
| 1516 | ICE | IP-10 | ECH | 86.782 | 22.043 | 3.937 | 117.708 | 98.09 | 1.2 |
| 1517 | ICE | IP-13 | ECH | 112.828 | 28.658 | 3.937 | 153.036 | 127.53 | 1.2 |
| 552 | ICE | 110-SH | ECH | 37.72 | 11.5 | 3.28 | 51.162 | 51.175 | 1 |
| 553 | ICE | 115-SH | ECH | 37.95 | 11.5 | 3.3 | 51.474 | 51.175 | 1.006 |
| 881 | ICE | 1412BT | VIB | 1193 | 1.667 | 21.7 | 1193 | 7.418 | 21.7 |
| 555 | ICE | 160-SH | ECH | 64 | 16 | 4 | 86.807 | 71.2 | 1.219 |
| 718 | ICE | 22-23V | VIB | 164 | 0.917 | 26.9 | 164 | 4.079 | 26.9 |
| 887 | ICE | 44-30V | VIB | 250 | 0.917 | 26 | 250 | 4.08 | 26 |
| 559 | ICE | DKH-3U | ECH | 26.004 | 6.6 | 3.94 | 35.271 | 29.37 | 1.201 |
| 1501 | ICE | I-12v2 | OED | 29.625 | 2.822 | 10.499 | 40.182 | 12.557 | 3.2 |
| 1503 | ICE | I-19v2 | OED | 46.137 | 4.012 | 11.499 | 62.578 | 17.854 | 3.505 |
| 1504 | ICE | I-30v2 | OED | 76.051 | 6.613 | 11.499 | 103.152 | 29.43 | 3.505 |
| 1505 | ICE | I-36v2 | OED | 93.734 | 7.936 | 11.811 | 127.138 | 35.316 | 3.6 |
| 1506 | ICE | I-46v2 | OED | 119.772 | 10.141 | 11.811 | 162.453 | 45.126 | 3.6 |
| 1507 | ICE | I-62v2 | OED | 172.367 | 14.594 | 11.811 | 233.791 | 64.942 | 3.6 |
| 1508 | ICE | I-80v2 | OED | 208.299 | 17.636 | 11.811 | 282.528 | 78.48 | 3.6 |
| 886 | ICE | V360 T | VIB | 1566 | 1.881 | 25 | 1566 | 8.37 | 25 |

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|------|-----|----------|-----|---------|--------|--------|---------|---------|-------|
| 140 | ICE | 120S-15 | OED | 132.45 | 15 | 8.83 | 179.65 | 66.75 | 2.691 |
| 884 | ICE | 28RF-35 | VIB | 261 | 1.158 | 27.3 | 261 | 5.152 | 27.3 |
| 891 | ICE | 66-70HS | VIB | 585 | 0.916 | 26.7 | 585 | 4.078 | 26.7 |
| 892 | ICE | 66-80HS | VIB | 597 | 0.916 | 29.2 | 597 | 4.078 | 29.2 |
| 1509 | ICE | I-100v2 | OED | 260.373 | 22.045 | 11.811 | 353.16 | 98.1 | 3.6 |
| 1510 | ICE | I-125v2 | OED | 310.097 | 27.556 | 11.253 | 420.604 | 122.625 | 3.43 |
| 360 | ICE | I-12obs | OED | 30.213 | 2.821 | 10.71 | 40.98 | 12.553 | 3.264 |
| 1520 | ICE | I-138v2 | OED | 328.624 | 30.4 | 10.81 | 445.732 | 135.28 | 3.295 |
| 1511 | ICE | I-160v2 | OED | 393.453 | 35.272 | 11.155 | 533.664 | 156.96 | 3.4 |
| 361 | ICE | I-19obs | OED | 43.242 | 4.015 | 10.77 | 58.651 | 17.867 | 3.283 |
| 1251 | ICE | I-30 V2 | OED | 71.707 | 6.615 | 10.84 | 97.26 | 29.437 | 3.304 |
| 362 | ICE | I-30obs | OED | 71.453 | 6.616 | 10.8 | 96.916 | 29.441 | 3.292 |
| 363 | ICE | I-36obs | OED | 90.675 | 7.94 | 11.42 | 122.988 | 35.333 | 3.481 |
| 364 | ICE | I-46obs | OED | 107.74 | 10.145 | 10.62 | 146.134 | 45.145 | 3.237 |
| 365 | ICE | I-62obs | OED | 164.98 | 14.6 | 11.3 | 223.772 | 64.97 | 3.444 |
| 366 | ICE | I-80obs | OED | 212.4 | 17.7 | 12 | 288.091 | 78.765 | 3.658 |
| 893 | ICE | 100c-Tdm | VIB | 1774 | 1.833 | 26.67 | 1774 | 8.157 | 26.67 |
| 368 | ICE | I-100obs | OED | 264.454 | 23.612 | 11.2 | 358.695 | 105.073 | 3.414 |
| 367 | ICE | I-8v2obs | OED | 17.6 | 1.76 | 10 | 23.872 | 7.832 | 3.048 |
| 126 | ICE | 1070 | CED | 72.6 | 10 | 7.26 | 98.472 | 44.5 | 2.213 |
| 554 | ICE | 115 | ECH | 46 | 11.5 | 4 | 62.393 | 51.175 | 1.219 |
| 556 | ICE | 160 | ECH | 64 | 16 | 4 | 86.807 | 71.2 | 1.219 |
| 120 | ICE | 180 | CED | 8.131 | 1.73 | 4.7 | 11.029 | 7.699 | 1.433 |
| 701 | ICE | 216 | VIB | 130 | 0.46 | 26.7 | 130 | 2.047 | 26.7 |
| 557 | ICE | 220 | ECH | 88 | 22 | 4 | 119.36 | 97.9 | 1.219 |
| 704 | ICE | 223 | VIB | 242 | 0.46 | 38.3 | 242 | 2.047 | 38.3 |
| 558 | ICE | 275 | ECH | 110 | 27.5 | 4 | 149.2 | 122.375 | 1.219 |
| 699 | ICE | 3117 | VIB | 235 | 1.122 | 28.3 | 235 | 4.991 | 28.3 |
| 121 | ICE | 422 | CED | 23.12 | 4 | 5.78 | 31.359 | 17.8 | 1.762 |
| 894 | ICE | 423 | VIB | 377 | 0.915 | 38.3 | 377 | 4.073 | 38.3 |
| 122 | ICE | 440 | CED | 18.56 | 4 | 4.64 | 25.174 | 17.8 | 1.414 |
| 123 | ICE | 520 | CED | 30.369 | 5.07 | 5.99 | 41.192 | 22.562 | 1.826 |
| 124 | ICE | 640 | CED | 40.62 | 6 | 6.77 | 55.095 | 26.7 | 2.063 |
| 125 | ICE | 660 | CED | 51.627 | 7.57 | 6.82 | 70.025 | 33.687 | 2.079 |
| 550 | ICE | 70 | ECH | 21 | 7 | 3 | 28.484 | 31.15 | 0.914 |
| 551 | ICE | 75 | ECH | 30 | 7.5 | 4 | 40.691 | 33.375 | 1.219 |
| 706 | ICE | 812 | VIB | 375 | 1.82 | 26.7 | 375 | 8.099 | 26.7 |
| 707 | ICE | 815 | VIB | 375 | 1.84 | 26.7 | 375 | 8.188 | 26.7 |
| 318 | IHC | S-30 | ECH | 21.698 | 3.527 | 6.152 | 29.43 | 15.696 | 1.875 |
| 320 | IHC | S-35 | ECH | 25.525 | 6.63 | 3.85 | 34.622 | 29.504 | 1.173 |
| 319 | IHC | S-40 | ECH | 28.927 | 4.85 | 5.965 | 39.236 | 21.582 | 1.818 |
| 321 | IHC | S-70 | ECH | 51.25 | 7.73 | 6.63 | 69.513 | 34.399 | 2.021 |
| 322 | IHC | S-90 | ECH | 65.902 | 9.94 | 6.63 | 89.387 | 44.233 | 2.021 |
| 323 | IHC | S-120 | ECH | 89.372 | 13.48 | 6.63 | 121.221 | 59.986 | 2.021 |
| 324 | IHC | S-150 | ECH | 110.058 | 16.6 | 6.63 | 149.278 | 73.87 | 2.021 |
| 325 | IHC | S-200 | ECH | 145.64 | 22 | 6.62 | 197.54 | 97.9 | 2.018 |
| 326 | IHC | S-280 | ECH | 205.31 | 30.06 | 6.83 | 278.474 | 133.767 | 2.082 |
| 327 | IHC | S-400 | ECH | 292.604 | 44.2 | 6.62 | 396.876 | 196.69 | 2.018 |
| 328 | IHC | S-500 | ECH | 366.086 | 55.3 | 6.62 | 496.544 | 246.085 | 2.018 |
| 329 | IHC | S-600 | ECH | 443.54 | 67 | 6.62 | 601.6 | 298.15 | 2.018 |

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|------|-----|----------|-----|----------|---------|--------|----------|----------|--------|
| 344 | IHC | S-750 | ECH | 550.791 | 83.109 | 6.627 | 747.071 | 369.837 | 2.02 |
| 345 | IHC | S-800 | ECH | 589.969 | 88.148 | 6.693 | 800.21 | 392.26 | 2.04 |
| 330 | IHC | S-900 | ECH | 658.359 | 99.45 | 6.62 | 892.972 | 442.552 | 2.018 |
| 335 | IHC | SC-30 | ECH | 21.808 | 3.76 | 5.8 | 29.579 | 16.732 | 1.768 |
| 336 | IHC | SC-40 | ECH | 29.864 | 5.51 | 5.42 | 40.507 | 24.52 | 1.652 |
| 337 | IHC | SC-50 | ECH | 36.815 | 7.29 | 5.05 | 49.934 | 32.44 | 1.539 |
| 338 | IHC | SC-60 | ECH | 44.954 | 13.3 | 3.38 | 60.974 | 59.185 | 1.03 |
| 339 | IHC | SC-75 | ECH | 54.797 | 12.15 | 4.51 | 74.324 | 54.067 | 1.375 |
| 331 | IHC | S-1200 | ECH | 891.052 | 134.6 | 6.62 | 1208.587 | 598.97 | 2.018 |
| 346 | IHC | S-1400 | ECH | 1033.839 | 147.941 | 6.988 | 1402.258 | 658.337 | 2.13 |
| 347 | IHC | S-1800 | ECH | 1340.214 | 195.641 | 6.85 | 1817.813 | 870.6 | 2.088 |
| 334 | IHC | S-2000 | ECH | 1473.969 | 222.654 | 6.62 | 1999.232 | 990.81 | 2.018 |
| 333 | IHC | S-2300 | ECH | 1681.48 | 254 | 6.62 | 2280.692 | 1130.3 | 2.018 |
| 348 | IHC | S-2500 | ECH | 1843.16 | 275.802 | 6.683 | 2499.989 | 1227.32 | 2.037 |
| 1371 | IHC | S-3000 | ECH | 2211.928 | 332.444 | 6.654 | 3000.17 | 1479.374 | 2.028 |
| 1372 | IHC | S-4000 | ECH | 2948.905 | 444.304 | 6.637 | 3999.776 | 1977.151 | 2.023 |
| 340 | IHC | SC-110 | ECH | 81.887 | 17.46 | 4.69 | 111.069 | 77.697 | 1.43 |
| 341 | IHC | SC-150 | ECH | 109.35 | 24.3 | 4.5 | 148.318 | 108.135 | 1.372 |
| 342 | IHC | SC-200 | ECH | 152.51 | 30.2 | 5.05 | 206.858 | 134.39 | 1.539 |
| 343 | IHC | SC-250 | ECH | 179.802 | 37.256 | 4.826 | 243.876 | 165.789 | 1.471 |
| 332 | IHC | S-1800-L | ECH | 1170.387 | 166 | 7.051 | 1587.466 | 738.7 | 2.149 |
| 1053 | J&M | 416B | VIB | 261 | 0.917 | 26.7 | 261 | 4.079 | 26.7 |
| 1054 | J&M | 416S | VIB | 250 | 0.917 | 26.7 | 250 | 4.079 | 26.7 |
| 1039 | J&M | 23-Nov | VIB | 164 | 0.917 | 31.7 | 164 | 4.079 | 31.7 |
| 1041 | J&M | 1412T | VIB | 1119 | 1.667 | 21.7 | 1119 | 7.417 | 21.7 |
| 1044 | J&M | 22-23 | VIB | 164 | 0.917 | 20.8 | 164 | 4.079 | 20.8 |
| 1045 | J&M | 22-30 | VIB | 261 | 0.917 | 27.5 | 261 | 4.079 | 27.5 |
| 1050 | J&M | 28-35 | VIB | 261 | 1.167 | 27.5 | 261 | 5.192 | 27.5 |
| 1056 | J&M | 44-30 | VIB | 250 | 0.917 | 20 | 250 | 4.079 | 20 |
| 1057 | J&M | 44-50 | VIB | 399 | 0.917 | 26.7 | 399 | 4.079 | 26.7 |
| 1058 | J&M | 44-65 | VIB | 552 | 0.917 | 27.5 | 552 | 4.079 | 27.5 |
| 1060 | J&M | 66-65 | VIB | 552 | 0.917 | 21.7 | 552 | 4.079 | 21.7 |
| 1061 | J&M | 66-80 | VIB | 559 | 0.917 | 26.7 | 559 | 4.079 | 26.7 |
| 1021 | J&M | 82 HIH | ECH | 32.8 | 8.2 | 4 | 44.489 | 36.49 | 1.219 |
| 1022 | J&M | 115 HIH | ECH | 46 | 11.5 | 4 | 62.393 | 51.175 | 1.219 |
| 1023 | J&M | 160 HIH | ECH | 64 | 16 | 4 | 86.807 | 71.2 | 1.219 |
| 1024 | J&M | 220 HIH | ECH | 88 | 22 | 4 | 119.36 | 97.9 | 1.219 |
| 1025 | J&M | 275 HIH | ECH | 110 | 27.5 | 4 | 149.2 | 122.375 | 1.219 |
| 1026 | J&M | 345 HIH | ECH | 138 | 34.5 | 4 | 187.178 | 153.525 | 1.219 |
| 1020 | J&M | 70B HIH | ECH | 21 | 7 | 3 | 28.484 | 31.15 | 0.914 |
| 1040 | J&M | 1412 | VIB | 559 | 1.667 | 21.7 | 559 | 7.417 | 21.7 |
| 1042 | J&M | 216 | VIB | 149 | 0.917 | 26.7 | 149 | 4.079 | 26.7 |
| 1051 | J&M | 360 | VIB | 783 | 0.942 | 21.7 | 783 | 4.19 | 21.7 |
| 1052 | J&M | 416 | VIB | 250 | 0.917 | 26.7 | 250 | 4.079 | 26.7 |
| 1055 | J&M | 815 | VIB | 429 | 0.917 | 26.7 | 429 | 4.079 | 26.7 |
| 811 | MGF | RBH 80 | VIB | 50 | 0.597 | 30 | 50 | 2.659 | 30 |
| 812 | MGF | RBH 140 | VIB | 85 | 1.04 | 26.667 | 85 | 4.628 | 26.667 |
| 813 | MGF | RBH 200 | VIB | 125 | 0.738 | 26.667 | 125 | 3.282 | 26.667 |
| 814 | MGF | RBH 320 | VIB | 200 | 0.787 | 26.667 | 200 | 3.501 | 26.667 |
| 815 | MGF | RBH 460 | VIB | 255 | 1.133 | 26.667 | 255 | 5.044 | 26.667 |

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|-----|-----|--------------|-----|--------|-------|-------|---------|--------|-------|
| 816 | MGF | RBH 1050 | VIB | 460 | 1.549 | 22.5 | 460 | 6.893 | 22.5 |
| 817 | MGF | RBH 1575 | VIB | 700 | 1.162 | 22.5 | 700 | 5.169 | 22.5 |
| 818 | MGF | RBH 2400 | VIB | 975 | 1.769 | 23.5 | 975 | 7.874 | 23.5 |
| 304 | MKT | 9B3 | ECH | 8.752 | 1.6 | 5.47 | 11.871 | 7.12 | 1.667 |
| 308 | MKT | S-5 | ECH | 16.25 | 5 | 3.25 | 22.041 | 22.25 | 0.991 |
| 312 | MKT | S-8 | ECH | 26 | 8 | 3.25 | 35.265 | 35.6 | 0.991 |
| 305 | MKT | 10B3 | ECH | 13.11 | 3 | 4.37 | 17.782 | 13.35 | 1.332 |
| 309 | MKT | 11B3 | ECH | 19.15 | 5 | 3.83 | 25.974 | 22.25 | 1.167 |
| 314 | MKT | S 10 | ECH | 32.5 | 10 | 3.25 | 44.082 | 44.5 | 0.991 |
| 315 | MKT | S 14 | ECH | 37.52 | 14 | 2.68 | 50.891 | 62.3 | 0.817 |
| 317 | MKT | S 20 | ECH | 60 | 20 | 3 | 81.382 | 89 | 0.914 |
| 750 | MKT | V-2B | VIB | 52 | 0.146 | 30 | 52 | 0.65 | 30 |
| 753 | MKT | V-30 | VIB | 448 | 1.467 | 28.33 | 448 | 6.528 | 28.33 |
| 754 | MKT | V-35 | VIB | 485 | 1.6 | 28.33 | 485 | 7.12 | 28.33 |
| 751 | MKT | V-5C | VIB | 138 | 0.433 | 28.33 | 138 | 1.927 | 28.33 |
| 152 | MKT | DA 45 | CED | 30.72 | 4 | 7.68 | 41.667 | 17.8 | 2.341 |
| 146 | MKT | DE 10 | OED | 8.8 | 1.1 | 8 | 11.936 | 4.895 | 2.438 |
| 147 | MKT | DE 20 | OED | 16 | 2 | 8 | 21.702 | 8.9 | 2.438 |
| 148 | MKT | DE 30 | OED | 22.4 | 2.8 | 8 | 30.382 | 12.46 | 2.438 |
| 154 | MKT | DE 35 | OED | 35 | 3.5 | 10 | 47.473 | 15.575 | 3.048 |
| 153 | MKT | DE 40 | OED | 32 | 4 | 8 | 43.404 | 17.8 | 2.438 |
| 155 | MKT | DE 42 | OED | 42 | 4.2 | 10 | 56.967 | 18.69 | 3.048 |
| 301 | MKT | No. 5 | ECH | 1 | 0.2 | 5 | 1.356 | 0.89 | 1.524 |
| 302 | MKT | No. 6 | ECH | 2.5 | 0.4 | 6.25 | 3.391 | 1.78 | 1.905 |
| 303 | MKT | No. 7 | ECH | 4.152 | 0.8 | 5.19 | 5.632 | 3.56 | 1.582 |
| 755 | MKT | V-140 | VIB | 1341 | 1.167 | 23.33 | 1341 | 5.193 | 23.33 |
| 752 | MKT | V-20B | VIB | 242 | 0.2 | 28.33 | 242 | 0.89 | 28.33 |
| 306 | MKT | C5-Air | ECH | 14.2 | 5 | 2.84 | 19.26 | 22.25 | 0.866 |
| 151 | MKT | DA 35B | CED | 21 | 2.8 | 7.5 | 28.484 | 12.46 | 2.286 |
| 167 | MKT | DA 35C | CED | 21 | 2.8 | 7.5 | 28.484 | 12.46 | 2.286 |
| 161 | MKT | DA 55B | CED | 38.2 | 5 | 7.64 | 51.813 | 22.25 | 2.329 |
| 168 | MKT | DA 55C | CED | 38.2 | 5 | 7.64 | 51.813 | 22.25 | 2.329 |
| 150 | MKT | DE 30B | OED | 23.8 | 2.8 | 8.5 | 32.281 | 12.46 | 2.591 |
| 159 | MKT | DE 50B | OED | 42.5 | 5 | 8.5 | 57.645 | 22.25 | 2.591 |
| 157 | MKT | DE 50C | OED | 50 | 5 | 10 | 67.818 | 22.25 | 3.048 |
| 162 | MKT | DE 70B | OED | 59.5 | 7 | 8.5 | 80.703 | 31.15 | 2.591 |
| 158 | MKT | DE 70C | OED | 70 | 7 | 10 | 94.945 | 31.15 | 3.048 |
| 142 | MKT | DE-20C | OED | 20 | 2 | 10 | 27.127 | 8.9 | 3.048 |
| 143 | MKT | DE-30C | OED | 28 | 2.8 | 10 | 37.978 | 12.46 | 3.048 |
| 144 | MKT | DE-33C | OED | 33 | 3.3 | 10 | 44.76 | 14.685 | 3.048 |
| 163 | MKT | DE-50B | OED | 50 | 5 | 10 | 67.818 | 22.25 | 3.048 |
| 164 | MKT | DE-70B | OED | 70 | 7 | 10 | 94.945 | 31.15 | 3.048 |
| 316 | MKT | MS 500 | ECH | 44 | 11 | 4 | 59.68 | 48.95 | 1.219 |
| 313 | MKT | MS-350 | ECH | 30.803 | 7.72 | 3.99 | 41.78 | 34.354 | 1.216 |
| 165 | MKT | DE-110C | OED | 110 | 11 | 10 | 149.2 | 48.95 | 3.048 |
| 166 | MKT | DE-150C | OED | 150 | 15 | 10 | 203.454 | 66.75 | 3.048 |
| 307 | MKT | C5- Steam | ECH | 16.2 | 5 | 3.24 | 21.973 | 22.25 | 0.988 |
| 311 | MKT | C826 Air | ECH | 21.2 | 8 | 2.65 | 28.755 | 35.6 | 0.808 |

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|------|-----|--------------|-----|--------|-------|-------|---------|--------|-------|
| 310 | MKT | C826 Stm | ECH | 24.4 | 8 | 3.05 | 33.095 | 35.6 | 0.93 |
| 149 | MKT | DA35B SA | OED | 23.8 | 2.8 | 8.5 | 32.281 | 12.46 | 2.591 |
| 160 | MKT | DA55B SA | OED | 40 | 5 | 8 | 54.254 | 22.25 | 2.438 |
| 145 | MKT | DE33302 0 | OED | 40 | 4 | 10 | 54.254 | 17.8 | 3.048 |
| 669 | MVE | M-12 | OED | 30.213 | 2.821 | 10.71 | 40.98 | 12.553 | 3.264 |
| 670 | MVE | M-19 | OED | 49.384 | 4.015 | 12.3 | 66.983 | 17.867 | 3.749 |
| 671 | MVE | M-30 | OED | 83.349 | 6.615 | 12.6 | 113.051 | 29.437 | 3.84 |
| 1142 | PTC | 30HP | VIB | 196 | 0.868 | 27 | 196 | 3.864 | 27 |
| 1143 | PTC | 40HD | VIB | 269 | 0.868 | 28 | 269 | 3.864 | 28 |
| 1147 | PTC | 60HD | VIB | 305 | 0.868 | 28 | 305 | 3.864 | 28 |
| 1146 | PTC | 65HD | VIB | 305 | 0.868 | 26 | 305 | 3.864 | 26 |
| 1148 | PTC | 75HD | VIB | 410 | 0.868 | 25 | 410 | 3.864 | 25 |
| 1149 | PTC | 100HD | VIB | 451 | 0.868 | 23 | 451 | 3.864 | 23 |
| 1154 | PTC | 120HD | VIB | 410 | 0.868 | 23 | 410 | 3.864 | 23 |
| 1155 | PTC | 130HD | VIB | 564 | 0.868 | 23 | 564 | 3.864 | 23 |
| 1151 | PTC | 175HD | VIB | 611 | 0.868 | 23 | 611 | 3.864 | 23 |
| 1156 | PTC | 200HD | VIB | 710 | 0.868 | 23 | 710 | 3.864 | 23 |
| 1152 | PTC | 240HD | VIB | 988 | 0.868 | 23 | 988 | 3.864 | 23 |
| 1157 | PTC | 265HD | VIB | 1080 | 0.868 | 24 | 1080 | 3.864 | 24 |
| 1144 | PTC | 50HD1 | VIB | 255 | 0.868 | 25 | 255 | 3.864 | 25 |
| 1145 | PTC | 50HD2 | VIB | 290 | 0.868 | 25 | 290 | 3.864 | 25 |
| 1150 | PTC | 100HDS | VIB | 564 | 0.868 | 23 | 564 | 3.864 | 23 |
| 1153 | PTC | 240HDS | VIB | 988 | 0.868 | 30 | 988 | 3.864 | 30 |
| 1100 | PVE | 14M | VIB | 190 | 1.013 | 28.3 | 190 | 4.508 | 28.3 |
| 1101 | PVE | 23M | VIB | 234 | 1.66 | 27.5 | 234 | 7.387 | 27.5 |
| 1102 | PVE | 25M | VIB | 294 | 0.977 | 28.3 | 294 | 4.348 | 28.3 |
| 1103 | PVE | 27M | VIB | 294 | 0.977 | 28.3 | 294 | 4.348 | 28.3 |
| 1104 | PVE | 38M | VIB | 392 | 0.92 | 28.3 | 392 | 4.094 | 28.3 |
| 1105 | PVE | 50M | VIB | 440 | 1.2 | 28.3 | 440 | 5.34 | 28.3 |
| 1106 | PVE | 52M | VIB | 564 | 0.75 | 28.3 | 564 | 3.338 | 28.3 |
| 1123 | PVE | 55M | VIB | 403 | 1.173 | 28.33 | 403 | 5.22 | 28.33 |
| 1124 | PVE | 82M | VIB | 565 | 1.758 | 28.33 | 565 | 7.823 | 28.33 |
| 1107 | PVE | 105M | VIB | 784 | 1.52 | 22.5 | 784 | 6.764 | 22.5 |
| 1108 | PVE | 110M | VIB | 784 | 0.796 | 22.5 | 784 | 3.542 | 22.5 |
| 1126 | PVE | 16VM | VIB | 335 | 0.347 | 38.33 | 335 | 1.546 | 38.33 |
| 1109 | PVE | 200M | VIB | 1130 | 1.45 | 23.3 | 1130 | 6.453 | 23.3 |
| 1127 | PVE | 20VM | VIB | 395 | 0.412 | 38.33 | 395 | 1.836 | 38.33 |
| 1128 | PVE | 24VM | VIB | 395 | 0.521 | 38.33 | 395 | 2.32 | 38.33 |
| 1129 | PVE | 28VM | VIB | 403 | 0.608 | 38.33 | 403 | 2.703 | 38.33 |
| 1125 | PVE | 300M | VIB | 1796 | 6.206 | 23.33 | 1796 | 27.617 | 23.33 |
| 1121 | PVE | 40VM | VIB | 564 | 1.45 | 33.3 | 564 | 6.453 | 33.3 |
| 1122 | PVE | 50VM | VIB | 564 | 1.2 | 30 | 564 | 5.34 | 30 |
| 1130 | PVE | 2070VM | VIB | 1130 | 1.519 | 33.33 | 1130 | 6.76 | 33.33 |
| 1114 | PVE | 2310VM | VIB | 190 | 0.72 | 38.3 | 190 | 3.204 | 38.3 |
| 1131 | PVE | 2312VM | VIB | 252 | 0.26 | 38.33 | 252 | 1.157 | 38.33 |
| 1115 | PVE | 2315VM | VIB | 234 | 1.09 | 38.3 | 234 | 4.851 | 38.3 |
| 1116 | PVE | 2316VM | VIB | 294 | 1.16 | 38.3 | 294 | 5.162 | 38.3 |
| 1117 | PVE | 2319VM | VIB | 392 | 1.37 | 38.3 | 392 | 6.097 | 38.3 |

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|------|-------|----------|-----|---------|--------|-------|---------|---------|-------|
| 1118 | PVE | 2323VM | VIB | 392 | 0.83 | 38.3 | 392 | 3.693 | 38.3 |
| 1119 | PVE | 2332VM | VIB | 564 | 1.16 | 38.3 | 564 | 5.162 | 38.3 |
| 1120 | PVE | 2335VM | VIB | 784 | 1.27 | 38.3 | 784 | 5.651 | 38.3 |
| 1132 | PVE | 2350VM | VIB | 790 | 1.085 | 38.33 | 790 | 4.828 | 38.33 |
| 1111 | PVE | 1420 | VIB | 190 | 1.01 | 33.3 | 190 | 4.494 | 33.3 |
| 1110 | PVE | 2307 | VIB | 190 | 0.47 | 38.3 | 190 | 2.091 | 38.3 |
| 1112 | PVE | 2315 | VIB | 234 | 1.09 | 38.3 | 234 | 4.851 | 38.3 |
| 1113 | PVE | 2520 | VIB | 294 | 1.81 | 33.3 | 294 | 8.054 | 33.3 |
| 1531 | SPI | D 19-42 | OED | 42.612 | 4.02 | 10.6 | 57.797 | 17.889 | 3.231 |
| 1532 | SPI | D 30-32 | OED | 72.08 | 6.8 | 10.6 | 97.766 | 30.26 | 3.231 |
| 350 | HERA | 1250 | OED | 24.85 | 2.755 | 9.02 | 33.706 | 12.26 | 2.749 |
| 351 | HERA | 1500 | OED | 29.811 | 3.305 | 9.02 | 40.435 | 14.707 | 2.749 |
| 349 | HERA | 1900 | OED | 44.414 | 4.19 | 10.6 | 60.241 | 18.646 | 3.231 |
| 352 | HERA | 2500 | OED | 49.7 | 5.51 | 9.02 | 67.411 | 24.52 | 2.749 |
| 353 | HERA | 2800 | OED | 55.699 | 6.175 | 9.02 | 75.547 | 27.479 | 2.749 |
| 354 | HERA | 3500 | OED | 69.589 | 7.715 | 9.02 | 94.388 | 34.332 | 2.749 |
| 355 | HERA | 5000 | OED | 99.446 | 11.025 | 9.02 | 134.884 | 49.061 | 2.749 |
| 356 | HERA | 5700 | OED | 113.381 | 12.57 | 9.02 | 153.786 | 55.936 | 2.749 |
| 357 | HERA | 6200 | OED | 123.303 | 13.67 | 9.02 | 167.244 | 60.832 | 2.749 |
| 358 | HERA | 7500 | OED | 149.191 | 16.54 | 9.02 | 202.356 | 73.603 | 2.749 |
| 359 | HERA | 8800 | OED | 174.988 | 19.4 | 9.02 | 237.347 | 86.33 | 2.749 |
| 507 | HPSI | 1000 | ECH | 50 | 10 | 5 | 67.818 | 44.5 | 1.524 |
| 501 | HPSI | 110 | ECH | 44 | 11 | 4 | 59.68 | 48.95 | 1.219 |
| 502 | HPSI | 150 | ECH | 60 | 15 | 4 | 81.382 | 66.75 | 1.219 |
| 503 | HPSI | 154 | ECH | 61.6 | 15.4 | 4 | 83.552 | 68.53 | 1.219 |
| 508 | HPSI | 1605 | ECH | 83 | 16.6 | 5 | 112.578 | 73.87 | 1.524 |
| 504 | HPSI | 200 | ECH | 80 | 20 | 4 | 108.509 | 89 | 1.219 |
| 512 | HPSI | 2000 | ECH | 80 | 20 | 4 | 108.509 | 89 | 1.219 |
| 509 | HPSI | 2005 | ECH | 95.1 | 19.02 | 5 | 128.99 | 84.639 | 1.524 |
| 505 | HPSI | 225 | ECH | 90 | 22.5 | 4 | 122.072 | 100.125 | 1.219 |
| 510 | HPSI | 3005 | ECH | 154.325 | 30.865 | 5 | 209.32 | 137.349 | 1.524 |
| 511 | HPSI | 3505 | ECH | 176.325 | 35.265 | 5 | 239.16 | 156.929 | 1.524 |
| 506 | HPSI | 650 | ECH | 32.5 | 6.5 | 5 | 44.082 | 28.925 | 1.524 |
| 101 | KOBE | K 13 | OED | 25.428 | 2.87 | 8.86 | 34.49 | 12.771 | 2.701 |
| 104 | KOBE | K 25 | OED | 51.519 | 5.51 | 9.35 | 69.878 | 24.52 | 2.85 |
| 107 | KOBE | K 35 | OED | 72.182 | 7.72 | 9.35 | 97.905 | 34.354 | 2.85 |
| 110 | KOBE | K 45 | OED | 92.752 | 9.92 | 9.35 | 125.805 | 44.144 | 2.85 |
| 112 | KOBE | KB 60 | OED | 130.183 | 13.23 | 9.84 | 176.575 | 58.873 | 2.999 |
| 113 | KOBE | KB 80 | OED | 173.578 | 17.64 | 9.84 | 235.434 | 78.498 | 2.999 |
| 103 | KOBE | K22-Est | OED | 45.347 | 4.85 | 9.35 | 61.508 | 21.582 | 2.85 |
| 624 | MAIT | 120 | VIB | 674 | 1.74 | 30 | 674 | 7.743 | 30 |
| 620 | MAIT | 34 | VIB | 227 | 1.23 | 33.3 | 227 | 5.474 | 33.3 |
| 621 | MAIT | 42 | VIB | 309 | 1.52 | 33.3 | 309 | 6.764 | 33.3 |
| 622 | MAIT | 54 | VIB | 450 | 0.98 | 33.3 | 450 | 4.361 | 33.3 |
| 623 | MAIT | 68 | VIB | 531 | 1.23 | 33.3 | 531 | 5.474 | 33.3 |
| 999 | Self | Drop/10t | ECH | 300 | 20 | 15 | 406.908 | 89 | 4.572 |
| 535 | BANUT | S3000 | ECH | 26.043 | 6.615 | 3.937 | 35.324 | 29.437 | 1.2 |
| 536 | BANUT | S4000 | ECH | 34.724 | 8.82 | 3.937 | 47.099 | 39.249 | 1.2 |
| 537 | BANUT | S5000 | ECH | 43.405 | 11.025 | 3.937 | 58.873 | 49.061 | 1.2 |
| 538 | BANUT | S6000 | ECH | 52.087 | 13.23 | 3.937 | 70.648 | 58.873 | 1.2 |
| 539 | BANUT | S8000 | ECH | 69.449 | 17.64 | 3.937 | 94.197 | 78.498 | 1.2 |

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|------|-------|----------|-----|---------|--------|-------|---------|---------|-------|
| 540 | BANUT | S10000 | ECH | 86.811 | 22.05 | 3.937 | 117.747 | 98.122 | 1.2 |
| 541 | BANUT | 3 Tonnes | ECH | 17.345 | 6.61 | 2.624 | 23.526 | 29.415 | 0.8 |
| 542 | BANUT | 4 Tonnes | ECH | 23.144 | 8.82 | 2.624 | 31.391 | 39.249 | 0.8 |
| 543 | BANUT | 5 Tonnes | ECH | 28.916 | 11.02 | 2.624 | 39.221 | 49.039 | 0.8 |
| 544 | BANUT | 6 Tonnes | ECH | 34.716 | 13.23 | 2.624 | 47.087 | 58.873 | 0.8 |
| 545 | BANUT | 7 Tonnes | ECH | 40.488 | 15.43 | 2.624 | 54.917 | 68.664 | 0.8 |
| 1431 | BRUCE | SGV-80 | VIB | 112.2 | 0.133 | 33.33 | 112.2 | 0.592 | 33.33 |
| 1432 | BRUCE | SGV-100 | VIB | 142.6 | 0.179 | 30 | 142.6 | 0.797 | 30 |
| 1433 | BRUCE | SGV-200 | VIB | 184.8 | 0.31 | 28.83 | 184.8 | 1.38 | 28.83 |
| 1434 | BRUCE | SGV-300 | VIB | 211.2 | 0.352 | 27.5 | 211.2 | 1.566 | 27.5 |
| 1435 | BRUCE | SGV-400 | VIB | 286 | 0.437 | 26.67 | 286 | 1.945 | 26.67 |
| 1436 | BRUCE | SGV-450 | VIB | 323.4 | 0.478 | 26.67 | 323.4 | 2.127 | 26.67 |
| 1437 | BRUCE | SGV-600 | VIB | 451.5 | 0.722 | 26.67 | 451.5 | 3.213 | 26.67 |
| 921 | BRUCE | SGH-0212 | ECH | 17.336 | 4.4 | 3.94 | 23.514 | 19.58 | 1.201 |
| 530 | BRUCE | SGH-0312 | ECH | 26.004 | 6.6 | 3.94 | 35.271 | 29.37 | 1.201 |
| 534 | BRUCE | SGH-0412 | ECH | 34.672 | 8.8 | 3.94 | 47.028 | 39.16 | 1.201 |
| 531 | BRUCE | SGH-0512 | ECH | 43.34 | 11 | 3.94 | 58.785 | 48.95 | 1.201 |
| 532 | BRUCE | SGH-0712 | ECH | 60.676 | 15.4 | 3.94 | 82.298 | 68.53 | 1.201 |
| 922 | BRUCE | SGH-0715 | ECH | 75.768 | 15.4 | 4.92 | 102.769 | 68.53 | 1.5 |
| 533 | BRUCE | SGH-1012 | ECH | 86.774 | 22.046 | 3.936 | 117.697 | 98.106 | 1.2 |
| 923 | BRUCE | SGH-1015 | ECH | 108.467 | 22.046 | 4.92 | 147.121 | 98.106 | 1.5 |
| 625 | BRUCE | SGH-1212 | ECH | 104.129 | 26.455 | 3.936 | 141.236 | 117.727 | 1.2 |
| 924 | BRUCE | SGH-1215 | ECH | 130.161 | 26.455 | 4.92 | 176.545 | 117.727 | 1.5 |
| 626 | BRUCE | SGH-1312 | ECH | 112.806 | 28.66 | 3.936 | 153.006 | 127.537 | 1.2 |
| 627 | BRUCE | SGH-1315 | ECH | 141.008 | 28.66 | 4.92 | 191.257 | 127.537 | 1.5 |
| 628 | BRUCE | SGH-1412 | ECH | 121.483 | 30.865 | 3.936 | 164.775 | 137.348 | 1.2 |
| 629 | BRUCE | SGH-1415 | ECH | 151.854 | 30.865 | 4.92 | 205.969 | 137.348 | 1.5 |
| 630 | BRUCE | SGH-1612 | ECH | 138.838 | 35.274 | 3.936 | 188.315 | 156.969 | 1.2 |
| 631 | BRUCE | SGH-1615 | ECH | 173.548 | 35.274 | 4.92 | 235.393 | 156.969 | 1.5 |
| 632 | BRUCE | SGH-1618 | ECH | 208.257 | 35.274 | 5.904 | 282.472 | 156.969 | 1.8 |

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|-----|-------|----------|-----|---------|---------|-------|---------|---------|-----|
| 633 | BRUCE | SGH-1619 | ECH | 219.827 | 35.274 | 6.232 | 298.165 | 156.969 | 1.9 |
| 634 | BRUCE | SGH-1812 | ECH | 156.193 | 39.683 | 3.936 | 211.854 | 176.59 | 1.2 |
| 635 | BRUCE | SGH-1815 | ECH | 195.241 | 39.683 | 4.92 | 264.817 | 176.59 | 1.5 |
| 636 | BRUCE | SGH-2012 | ECH | 173.548 | 44.092 | 3.936 | 235.393 | 196.211 | 1.2 |
| 637 | BRUCE | SGH-2015 | ECH | 216.935 | 44.092 | 4.92 | 294.241 | 196.211 | 1.5 |
| 638 | BRUCE | SGH-2312 | ECH | 199.58 | 50.706 | 3.936 | 270.702 | 225.643 | 1.2 |
| 639 | BRUCE | SGH-2315 | ECH | 249.475 | 50.706 | 4.92 | 338.378 | 225.643 | 1.5 |
| 925 | BRUCE | SGH-2512 | ECH | 216.935 | 55.116 | 3.936 | 294.241 | 245.264 | 1.2 |
| 926 | BRUCE | SGH-2515 | ECH | 271.168 | 55.116 | 4.92 | 367.802 | 245.264 | 1.5 |
| 640 | BRUCE | SGH-3012 | ECH | 260.322 | 66.139 | 3.936 | 353.09 | 294.317 | 1.2 |
| 641 | BRUCE | SGH-3013 | ECH | 282.015 | 66.139 | 4.264 | 382.514 | 294.317 | 1.3 |
| 642 | BRUCE | SGH-3015 | ECH | 325.402 | 66.139 | 4.92 | 441.362 | 294.317 | 1.5 |
| 927 | BRUCE | SGH-3512 | ECH | 303.708 | 77.162 | 3.936 | 411.938 | 343.37 | 1.2 |
| 928 | BRUCE | SGH-3515 | ECH | 379.636 | 77.162 | 4.92 | 514.922 | 343.37 | 1.5 |
| 643 | BRUCE | SGH-4012 | ECH | 347.095 | 88.185 | 3.936 | 470.786 | 392.422 | 1.2 |
| 929 | BRUCE | SGH-4015 | ECH | 433.869 | 88.185 | 4.92 | 588.483 | 392.422 | 1.5 |
| 644 | BRUCE | SGH-4212 | ECH | 364.45 | 92.594 | 3.936 | 494.326 | 412.043 | 1.2 |
| 930 | BRUCE | SGH-4215 | ECH | 455.563 | 92.594 | 4.92 | 617.907 | 412.043 | 1.5 |
| 931 | BRUCE | SGH-4512 | ECH | 390.482 | 99.208 | 3.936 | 529.635 | 441.475 | 1.2 |
| 932 | BRUCE | SGH-4515 | ECH | 488.103 | 99.208 | 4.92 | 662.043 | 441.475 | 1.5 |
| 933 | BRUCE | SGH-4712 | ECH | 407.837 | 103.617 | 3.936 | 553.174 | 461.096 | 1.2 |
| 934 | BRUCE | SGH-4715 | ECH | 509.796 | 103.617 | 4.92 | 691.467 | 461.096 | 1.5 |
| 935 | BRUCE | SGH-4719 | ECH | 645.742 | 103.617 | 6.232 | 875.858 | 461.096 | 1.9 |
| 645 | BRUCE | SGH-5012 | ECH | 433.869 | 110.231 | 3.936 | 588.483 | 490.528 | 1.2 |
| 936 | BRUCE | SGH-5015 | ECH | 542.337 | 110.231 | 4.92 | 735.604 | 490.528 | 1.5 |
| 937 | BRUCE | SGH-5715 | ECH | 618.263 | 125.663 | 4.92 | 838.588 | 559.202 | 1.5 |

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|------|-------|--------------|-----|----------|---------|-------|----------|----------|-------|
| 938 | BRUCE | SGH-6015 | ECH | 650.804 | 132.277 | 4.92 | 882.724 | 588.634 | 1.5 |
| 939 | BRUCE | SGH-7015 | ECH | 759.271 | 154.323 | 4.92 | 1029.845 | 686.739 | 1.5 |
| 940 | BRUCE | SGH-8015 | ECH | 867.738 | 176.37 | 4.92 | 1176.966 | 784.845 | 1.5 |
| 1438 | BRUCE | SGV-1000 | VIB | 569.1 | 1.032 | 25 | 569.1 | 4.592 | 25 |
| 1401 | FAMBO | HR250 | ECH | 1.806 | 0.551 | 3.281 | 2.45 | 2.45 | 1 |
| 1403 | FAMBO | HR500 | ECH | 4.344 | 1.103 | 3.937 | 5.892 | 4.91 | 1.2 |
| 1404 | FAMBO | HR1000 | ECH | 8.679 | 2.204 | 3.937 | 11.772 | 9.81 | 1.2 |
| 1405 | FAMBO | HR1500 | ECH | 13.023 | 3.308 | 3.937 | 17.664 | 14.72 | 1.2 |
| 1406 | FAMBO | HR2000 | ECH | 17.358 | 4.409 | 3.937 | 23.544 | 19.62 | 1.2 |
| 1407 | FAMBO | HR2750 | ECH | 23.87 | 6.063 | 3.937 | 32.376 | 26.98 | 1.2 |
| 1408 | FAMBO | HR3000 | ECH | 26.037 | 6.613 | 3.937 | 35.316 | 29.43 | 1.2 |
| 1409 | FAMBO | HR4000 | ECH | 34.716 | 8.818 | 3.937 | 47.088 | 39.24 | 1.2 |
| 1410 | FAMBO | HR5000 | ECH | 43.396 | 11.022 | 3.937 | 58.86 | 49.05 | 1.2 |
| 1411 | FAMBO | HR7000 | ECH | 60.754 | 15.431 | 3.937 | 82.404 | 68.67 | 1.2 |
| 1412 | FAMBO | HR8000 | ECH | 69.451 | 17.64 | 3.937 | 94.2 | 78.5 | 1.2 |
| 1413 | FAMBO | HR10000 | ECH | 86.791 | 22.045 | 3.937 | 117.72 | 98.1 | 1.2 |
| 1402 | FAMBO | HR500ak k | ECH | 3.62 | 1.103 | 3.281 | 4.91 | 4.91 | 1 |
| 271 | MENCK | MH 68 | ECH | 49.176 | 7.72 | 6.37 | 66.701 | 34.354 | 1.942 |
| 272 | MENCK | MH 96 | ECH | 69.426 | 11.02 | 6.3 | 94.167 | 49.039 | 1.92 |
| 273 | MENCK | MH 145 | ECH | 104.8 | 16.53 | 6.34 | 142.147 | 73.559 | 1.932 |
| 449 | MENCK | MHF3-3 | ECH | 24.764 | 7.054 | 3.51 | 33.589 | 31.392 | 1.07 |
| 450 | MENCK | MHF3-4 | ECH | 30.956 | 8.818 | 3.51 | 41.987 | 39.24 | 1.07 |
| 451 | MENCK | MHF3-5 | ECH | 38.694 | 11.022 | 3.51 | 52.483 | 49.05 | 1.07 |
| 452 | MENCK | MHF3-6 | ECH | 46.433 | 13.227 | 3.51 | 62.98 | 58.86 | 1.07 |
| 453 | MENCK | MHF3-7 | ECH | 54.172 | 15.431 | 3.51 | 73.477 | 68.67 | 1.07 |
| 441 | MENCK | MHF5-5 | ECH | 38.694 | 11.022 | 3.51 | 52.483 | 49.05 | 1.07 |
| 442 | MENCK | MHF5-6 | ECH | 46.433 | 13.227 | 3.51 | 62.98 | 58.86 | 1.07 |
| 443 | MENCK | MHF5-7 | ECH | 54.172 | 15.431 | 3.51 | 73.477 | 68.67 | 1.07 |
| 444 | MENCK | MHF5-8 | ECH | 61.911 | 17.636 | 3.51 | 83.974 | 78.48 | 1.07 |
| 445 | MENCK | MHF5-9 | ECH | 69.65 | 19.84 | 3.51 | 94.47 | 88.29 | 1.07 |
| 446 | MENCK | MHF5-10 | ECH | 77.389 | 22.045 | 3.51 | 104.967 | 98.1 | 1.07 |
| 447 | MENCK | MHF5-11 | ECH | 85.128 | 24.249 | 3.51 | 115.464 | 107.91 | 1.07 |
| 448 | MENCK | MHF5-12 | ECH | 92.866 | 26.454 | 3.51 | 125.96 | 117.72 | 1.07 |
| 274 | MENCK | MHU 195 | ECH | 143.738 | 21.361 | 6.729 | 194.96 | 95.056 | 2.051 |
| 275 | MENCK | MHU 220 | ECH | 162.167 | 24.838 | 6.529 | 219.957 | 110.531 | 1.99 |
| 276 | MENCK | MHU 400 | ECH | 294.824 | 51.087 | 5.771 | 399.887 | 227.338 | 1.759 |
| 277 | MENCK | MHU 600 | ECH | 442.281 | 75.522 | 5.856 | 599.892 | 336.074 | 1.785 |
| 300 | MENCK | MBS1250 0 | ECH | 1581.829 | 275.58 | 5.74 | 2145.53 | 1226.331 | 1.75 |
| 456 | MENCK | MHF 5- 14 | ECH | 108.344 | 30.863 | 3.51 | 146.954 | 137.34 | 1.07 |

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|------|-------|----------|-----|----------|---------|-------|----------|----------|-------|
| 454 | MENCK | MHF10-15 | ECH | 124.734 | 33.06 | 3.773 | 169.185 | 147.117 | 1.15 |
| 455 | MENCK | MHF10-20 | ECH | 166.275 | 44.07 | 3.773 | 225.528 | 196.111 | 1.15 |
| 278 | MENCK | MHU 1000 | ECH | 737.381 | 126.98 | 5.807 | 1000.155 | 565.059 | 1.77 |
| 270 | MENCK | MHU 100C | ECH | 73.71 | 11.1 | 6.64 | 99.978 | 49.396 | 2.024 |
| 475 | MENCK | MHU 135T | ECH | 110.589 | 17.987 | 6.148 | 149.999 | 80.042 | 1.874 |
| 473 | MENCK | MHU 150S | ECH | 110.589 | 17.987 | 6.148 | 149.999 | 80.042 | 1.874 |
| 279 | MENCK | MHU 1700 | ECH | 1253.241 | 207.152 | 6.05 | 1699.846 | 921.825 | 1.844 |
| 461 | MENCK | MHU 200T | ECH | 162.241 | 26.745 | 6.066 | 220.057 | 119.014 | 1.849 |
| 280 | MENCK | MHU 2100 | ECH | 1548.291 | 257.177 | 6.02 | 2100.04 | 1144.436 | 1.835 |
| 1321 | MENCK | MHU 240U | ECH | 221.198 | 35.729 | 6.191 | 300.024 | 158.995 | 1.887 |
| 460 | MENCK | MHU 270T | ECH | 221.198 | 35.729 | 6.191 | 300.024 | 158.995 | 1.887 |
| 281 | MENCK | MHU 3000 | ECH | 2211.896 | 370.228 | 5.974 | 3000.128 | 1647.517 | 1.821 |
| 459 | MENCK | MHU 300S | ECH | 221.198 | 35.729 | 6.191 | 300.024 | 158.995 | 1.887 |
| 1323 | MENCK | MHU 360U | ECH | 324.365 | 52.449 | 6.184 | 439.955 | 233.398 | 1.885 |
| 462 | MENCK | MHU 400T | ECH | 324.365 | 52.449 | 6.184 | 439.955 | 233.398 | 1.885 |
| 1322 | MENCK | MHU 440S | ECH | 324.365 | 52.449 | 6.184 | 439.955 | 233.398 | 1.885 |
| 1325 | MENCK | MHU 450U | ECH | 404.059 | 65.958 | 6.126 | 548.049 | 293.513 | 1.867 |
| 463 | MENCK | MHU 500T | ECH | 405.529 | 65.958 | 6.148 | 550.043 | 293.513 | 1.874 |
| 1327 | MENCK | MHU 540U | ECH | 485.169 | 80.393 | 6.035 | 658.064 | 357.747 | 1.839 |
| 1324 | MENCK | MHU 550S | ECH | 404.059 | 65.958 | 6.126 | 548.049 | 293.513 | 1.867 |
| 466 | MENCK | MHU 600B | ECH | 457.032 | 65.958 | 6.929 | 619.899 | 293.513 | 2.112 |
| 467 | MENCK | MHU 600T | ECH | 486.628 | 80.393 | 6.053 | 660.043 | 357.747 | 1.845 |
| 1329 | MENCK | MHU 650U | ECH | 588.193 | 99.931 | 5.886 | 797.801 | 444.692 | 1.794 |
| 1326 | MENCK | MHU 660S | ECH | 485.169 | 80.393 | 6.035 | 658.064 | 357.747 | 1.839 |
| 464 | MENCK | MHU 700T | ECH | 567.722 | 92.883 | 6.112 | 770.036 | 413.331 | 1.863 |
| 1328 | MENCK | MHU 720T | ECH | 588.193 | 99.931 | 5.886 | 797.801 | 444.692 | 1.794 |

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|------|-------|--------------|-----|----------|---------|-------|----------|----------|-------|
| 476 | MENCK | MHU 750T | ECH | 604.568 | 99.931 | 6.05 | 820.012 | 444.692 | 1.844 |
| 468 | MENCK | MHU 800S | ECH | 604.568 | 99.931 | 6.05 | 820.012 | 444.692 | 1.844 |
| 1332 | MENCK | MHU 810U | ECH | 736.482 | 126.98 | 5.8 | 998.934 | 565.059 | 1.768 |
| 465 | MENCK | MHU 840S | ECH | 619.223 | 92.883 | 6.667 | 839.889 | 413.331 | 2.032 |
| 1331 | MENCK | MHU 900T | ECH | 736.482 | 126.98 | 5.8 | 998.934 | 565.059 | 1.768 |
| 1330 | MENCK | MHU100 0S | ECH | 736.482 | 126.98 | 5.8 | 998.934 | 565.059 | 1.768 |
| 477 | MENCK | MHU110 0T | ECH | 899.66 | 145.705 | 6.175 | 1220.262 | 648.386 | 1.882 |
| 469 | MENCK | MHU120 0S | ECH | 884.84 | 145.705 | 6.073 | 1200.162 | 648.386 | 1.851 |
| 457 | MENCK | MHU135 T* | ECH | 110.589 | 17.987 | 6.148 | 149.999 | 80.042 | 1.874 |
| 1336 | MENCK | MHU140 0B | ECH | 1032.075 | 145.705 | 7.083 | 1399.865 | 648.386 | 2.159 |
| 470 | MENCK | MHU150 0S | ECH | 1106.07 | 178.944 | 6.181 | 1500.229 | 796.3 | 1.884 |
| 478 | MENCK | MHU150 S* | ECH | 110.589 | 17.987 | 6.148 | 149.999 | 80.042 | 1.874 |
| 1333 | MENCK | MHU170 0S | ECH | 1272.947 | 207.152 | 6.145 | 1726.575 | 921.825 | 1.873 |
| 471 | MENCK | MHU170 0T | ECH | 1400.86 | 227.36 | 6.161 | 1900.07 | 1011.752 | 1.878 |
| 472 | MENCK | MHU190 0S | ECH | 1400.86 | 227.36 | 6.161 | 1900.07 | 1011.752 | 1.878 |
| 1334 | MENCK | MHU210 0S | ECH | 1573.921 | 257.177 | 6.12 | 2134.803 | 1144.436 | 1.865 |
| 474 | MENCK | MHU270 0S | ECH | 1990.188 | 318.765 | 6.243 | 2699.411 | 1418.503 | 1.903 |
| 1335 | MENCK | MHU300 0S | ECH | 2216.558 | 370.228 | 5.987 | 3006.45 | 1647.517 | 1.825 |
| 1337 | MENCK | MHU350 0S | ECH | 2582.428 | 385.845 | 6.693 | 3502.702 | 1717.011 | 2.04 |
| 479 | MENCK | MHU600 B* | ECH | 457.032 | 65.958 | 6.929 | 619.899 | 293.513 | 2.112 |
| 282 | MENCK | MRBS 500 | ECH | 45.072 | 11.02 | 4.09 | 61.134 | 49.039 | 1.247 |
| 283 | MENCK | MRBS 750 | ECH | 67.773 | 16.53 | 4.1 | 91.925 | 73.559 | 1.25 |
| 285 | MENCK | MRBS 850 | ECH | 93.283 | 18.96 | 4.92 | 126.526 | 84.372 | 1.5 |
| 286 | MENCK | MRBS11 00 | ECH | 123.433 | 24.25 | 5.09 | 167.419 | 107.913 | 1.551 |
| 287 | MENCK | MRBS15 02 | ECH | 135.587 | 33.07 | 4.1 | 183.905 | 147.161 | 1.25 |
| 288 | MENCK | MRBS18 00 | ECH | 189.814 | 38.58 | 4.92 | 257.456 | 171.681 | 1.5 |

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|------|--------|----------|-----|---------|--------|-------|----------|---------|-------|
| 289 | MENCK | MRBS2500 | ECH | 262.113 | 63.93 | 4.1 | 355.52 | 284.489 | 1.25 |
| 290 | MENCK | MRBS2502 | ECH | 225.951 | 55.11 | 4.1 | 306.471 | 245.24 | 1.25 |
| 291 | MENCK | MRBS2504 | ECH | 225.951 | 55.11 | 4.1 | 306.471 | 245.24 | 1.25 |
| 292 | MENCK | MRBS3000 | ECH | 325.36 | 66.13 | 4.92 | 441.305 | 294.278 | 1.5 |
| 293 | MENCK | MRBS3900 | ECH | 513.343 | 86.86 | 5.91 | 696.277 | 386.527 | 1.801 |
| 294 | MENCK | MRBS4600 | ECH | 498.937 | 101.41 | 4.92 | 676.738 | 451.275 | 1.5 |
| 295 | MENCK | MRBS5000 | ECH | 542.332 | 110.23 | 4.92 | 735.597 | 490.524 | 1.5 |
| 296 | MENCK | MRBS6000 | ECH | 759.23 | 132.27 | 5.74 | 1029.789 | 588.602 | 1.75 |
| 297 | MENCK | MRBS7000 | ECH | 631.4 | 154 | 4.1 | 856.406 | 685.3 | 1.25 |
| 298 | MENCK | MRBS8000 | ECH | 867.74 | 176.37 | 4.92 | 1176.968 | 784.846 | 1.5 |
| 299 | MENCK | MRBS8800 | ECH | 954.529 | 194.01 | 4.92 | 1294.685 | 863.344 | 1.5 |
| 521 | DAWSON | HPH1200 | ECH | 8.717 | 2.3 | 3.79 | 11.823 | 10.235 | 1.155 |
| 522 | DAWSON | HPH1800 | ECH | 13.721 | 3.3 | 4.158 | 18.611 | 14.685 | 1.267 |
| 523 | DAWSON | HPH2400 | ECH | 17.316 | 4.189 | 4.134 | 23.486 | 18.64 | 1.26 |
| 525 | DAWSON | HPH4500 | ECH | 32.56 | 7.716 | 4.22 | 44.163 | 34.336 | 1.286 |
| 524 | DAWSON | HPH6500 | ECH | 46.979 | 10.25 | 4.583 | 63.721 | 45.613 | 1.397 |
| 526 | DAWSON | HPH9000 | ECH | 66.303 | 10.471 | 6.332 | 89.93 | 46.596 | 1.93 |
| 1601 | DELMAG | D 2 | OED | 1.784 | 0.494 | 3.609 | 2.42 | 2.2 | 1.1 |
| 1602 | DELMAG | D 4 | OED | 3.603 | 0.838 | 4.298 | 4.886 | 3.73 | 1.31 |
| 1 | DELMAG | D 5 | OED | 10.505 | 1.1 | 9.55 | 14.249 | 4.895 | 2.911 |
| 3 | DELMAG | D 12 | OED | 22.605 | 2.75 | 8.22 | 30.661 | 12.238 | 2.505 |
| 4 | DELMAG | D 15 | OED | 27.093 | 3.3 | 8.21 | 36.748 | 14.685 | 2.502 |
| 6 | DELMAG | D 22 | OED | 40.606 | 4.91 | 8.27 | 55.076 | 21.849 | 2.521 |
| 11 | DELMAG | D 30 | OED | 59.73 | 6.6 | 9.05 | 81.015 | 29.37 | 2.758 |
| 16 | DELMAG | D 36 | OED | 83.82 | 7.93 | 10.57 | 113.69 | 35.288 | 3.222 |
| 21 | DELMAG | D 44 | OED | 90.155 | 9.5 | 9.49 | 122.283 | 42.275 | 2.893 |
| 22 | DELMAG | D 46 | OED | 107.078 | 10.14 | 10.56 | 145.237 | 45.123 | 3.219 |
| 27 | DELMAG | D 55 | OED | 125.004 | 11.86 | 10.54 | 169.551 | 52.777 | 3.213 |
| 47 | DELMAG | D 5-42 | OED | 10.56 | 1.1 | 9.6 | 14.323 | 4.895 | 2.926 |
| 36 | DELMAG | D 6-32 | OED | 13.524 | 1.322 | 10.23 | 18.343 | 5.883 | 3.118 |
| 1603 | DELMAG | D 8-12 | OED | 20.099 | 1.76 | 11.42 | 27.262 | 7.832 | 3.481 |
| 2 | DELMAG | D 8-22 | OED | 20.099 | 1.76 | 11.42 | 27.262 | 7.832 | 3.481 |
| 37 | DELMAG | D 12-32 | OED | 31.33 | 2.82 | 11.11 | 42.495 | 12.549 | 3.386 |
| 38 | DELMAG | D 12-42 | OED | 33.304 | 2.82 | 11.81 | 45.172 | 12.549 | 3.6 |
| 1604 | DELMAG | D 12-52 | OED | 33.981 | 2.82 | 12.05 | 46.09 | 12.549 | 3.673 |

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|------|--------|---------|-----|---------|--------|--------|----------|---------|-------|
| 39 | DELMAG | D 14-42 | OED | 34.501 | 3.086 | 11.18 | 46.796 | 13.733 | 3.408 |
| 5 | DELMAG | D 16-32 | OED | 40.198 | 3.52 | 11.42 | 54.523 | 15.664 | 3.481 |
| 1605 | DELMAG | D 16-52 | OED | 40.198 | 3.52 | 11.42 | 54.523 | 15.664 | 3.481 |
| 40 | DELMAG | D 19-32 | OED | 42.44 | 4 | 10.61 | 57.564 | 17.8 | 3.234 |
| 41 | DELMAG | D 19-42 | OED | 43.24 | 4 | 10.81 | 58.649 | 17.8 | 3.295 |
| 35 | DELMAG | D 19-52 | OED | 43.2 | 4 | 10.8 | 58.595 | 17.8 | 3.292 |
| 46 | DELMAG | D 21-42 | OED | 55.745 | 4.63 | 12.04 | 75.611 | 20.604 | 3.67 |
| 7 | DELMAG | D 22-02 | OED | 48.5 | 4.85 | 10 | 65.783 | 21.582 | 3.048 |
| 8 | DELMAG | D 22-13 | OED | 48.5 | 4.85 | 10 | 65.783 | 21.582 | 3.048 |
| 9 | DELMAG | D 22-23 | OED | 51.216 | 4.85 | 10.56 | 69.467 | 21.582 | 3.219 |
| 10 | DELMAG | D 25-32 | OED | 66.34 | 5.51 | 12.04 | 89.981 | 24.52 | 3.67 |
| 1606 | DELMAG | D 25-52 | OED | 66.34 | 5.51 | 12.04 | 89.981 | 24.52 | 3.67 |
| 12 | DELMAG | D 30-02 | OED | 66.198 | 6.6 | 10.03 | 89.788 | 29.37 | 3.057 |
| 13 | DELMAG | D 30-13 | OED | 66.198 | 6.6 | 10.03 | 89.788 | 29.37 | 3.057 |
| 14 | DELMAG | D 30-23 | OED | 73.788 | 6.6 | 11.18 | 100.083 | 29.37 | 3.408 |
| 15 | DELMAG | D 30-32 | OED | 75.438 | 6.6 | 11.43 | 102.321 | 29.37 | 3.484 |
| 1607 | DELMAG | D 30-52 | OED | 75.438 | 6.6 | 11.43 | 102.321 | 29.37 | 3.484 |
| 17 | DELMAG | D 36-02 | OED | 83.82 | 7.93 | 10.57 | 113.69 | 35.288 | 3.222 |
| 18 | DELMAG | D 36-13 | OED | 83.82 | 7.93 | 10.57 | 113.69 | 35.288 | 3.222 |
| 19 | DELMAG | D 36-23 | OED | 88.499 | 7.93 | 11.16 | 120.036 | 35.288 | 3.402 |
| 20 | DELMAG | D 36-32 | OED | 90.561 | 7.93 | 11.42 | 122.833 | 35.288 | 3.481 |
| 23 | DELMAG | D 46-02 | OED | 107.078 | 10.14 | 10.56 | 145.237 | 45.123 | 3.219 |
| 24 | DELMAG | D 46-13 | OED | 96.533 | 10.14 | 9.52 | 130.933 | 45.123 | 2.902 |
| 25 | DELMAG | D 46-23 | OED | 107.078 | 10.14 | 10.56 | 145.237 | 45.123 | 3.219 |
| 26 | DELMAG | D 46-32 | OED | 122.187 | 10.14 | 12.05 | 165.73 | 45.123 | 3.673 |
| 28 | DELMAG | D 62-02 | OED | 152.446 | 13.66 | 11.16 | 206.771 | 60.787 | 3.402 |
| 29 | DELMAG | D 62-12 | OED | 152.446 | 13.66 | 11.16 | 206.771 | 60.787 | 3.402 |
| 30 | DELMAG | D 62-22 | OED | 164.603 | 13.66 | 12.05 | 223.261 | 60.787 | 3.673 |
| 31 | DELMAG | D 80-12 | OED | 186.243 | 17.62 | 10.57 | 252.613 | 78.409 | 3.222 |
| 32 | DELMAG | D 80-23 | OED | 212.497 | 17.62 | 12.06 | 288.223 | 78.409 | 3.676 |
| 33 | DELMAG | D100-13 | OED | 265.675 | 22.066 | 12.04 | 360.35 | 98.194 | 3.67 |
| 43 | DELMAG | D120-42 | OED | 301.794 | 26.45 | 11.41 | 409.342 | 117.703 | 3.478 |
| 45 | DELMAG | D125-42 | OED | 313.633 | 27.56 | 11.38 | 425.399 | 122.642 | 3.469 |
| 1611 | DELMAG | D138-32 | OED | 339.511 | 30.436 | 11.155 | 460.499 | 135.441 | 3.4 |
| 44 | DELMAG | D150-42 | OED | 377.329 | 33.07 | 11.41 | 511.794 | 147.161 | 3.478 |
| 48 | DELMAG | D160-32 | OED | 393.453 | 35.272 | 11.155 | 533.664 | 156.96 | 3.4 |
| 1612 | DELMAG | D180-32 | OED | 442.638 | 39.681 | 11.155 | 600.376 | 176.58 | 3.4 |
| 42 | DELMAG | D200-42 | OED | 492.044 | 44.09 | 11.16 | 667.389 | 196.201 | 3.402 |
| 49 | DELMAG | D260-32 | OED | 639.362 | 57.317 | 11.155 | 867.204 | 255.06 | 3.4 |
| 1613 | DELMAG | D300-32 | OED | 737.727 | 66.135 | 11.155 | 1000.624 | 294.3 | 3.4 |
| 1614 | DELMAG | D400-32 | OED | 983.637 | 88.18 | 11.155 | 1334.166 | 392.4 | 3.4 |
| 850 | PILECO | D8-22 | OED | 18.656 | 1.76 | 10.6 | 25.304 | 7.832 | 3.231 |
| 851 | PILECO | D12-42 | OED | 29.892 | 2.82 | 10.6 | 40.544 | 12.549 | 3.231 |
| 852 | PILECO | D19-42 | OED | 42.506 | 4.01 | 10.6 | 57.653 | 17.845 | 3.231 |
| 853 | PILECO | D25-32 | OED | 58.406 | 5.51 | 10.6 | 79.22 | 24.52 | 3.231 |
| 854 | PILECO | D30-32 | OED | 70.066 | 6.61 | 10.6 | 95.035 | 29.415 | 3.231 |
| 855 | PILECO | D36-32 | OED | 84.164 | 7.94 | 10.6 | 114.157 | 35.333 | 3.231 |
| 856 | PILECO | D46-32 | OED | 107.484 | 10.14 | 10.6 | 145.787 | 45.123 | 3.231 |
| 857 | PILECO | D62-22 | OED | 161.306 | 13.67 | 11.8 | 218.789 | 60.832 | 3.597 |
| 858 | PILECO | D80-23 | OED | 197.568 | 17.64 | 11.2 | 267.973 | 78.498 | 3.414 |
| 859 | PILECO | D100-13 | OED | 246.848 | 22.04 | 11.2 | 334.815 | 98.078 | 3.414 |

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|-----|--------|----------|-----|----------|--------|--------|----------|---------|-------|
| 860 | PILECO | D125-32 | OED | 308.672 | 27.56 | 11.2 | 418.67 | 122.642 | 3.414 |
| 863 | PILECO | D138-32 | OED | 340.608 | 30.411 | 11.2 | 461.988 | 135.331 | 3.414 |
| 866 | PILECO | D160-32 | OED | 395.08 | 35.275 | 11.2 | 535.871 | 156.974 | 3.414 |
| 864 | PILECO | D180-32 | OED | 444.273 | 39.667 | 11.2 | 602.593 | 176.519 | 3.414 |
| 861 | PILECO | D225-22 | OED | 555.344 | 49.584 | 11.2 | 753.247 | 220.65 | 3.414 |
| 862 | PILECO | D250-22 | OED | 617.057 | 55.094 | 11.2 | 836.952 | 245.17 | 3.414 |
| 865 | PILECO | D280-22 | OED | 688.545 | 61.726 | 11.155 | 933.915 | 274.68 | 3.4 |
| 867 | PILECO | D400-12 | OED | 810.098 | 88.15 | 9.19 | 1098.785 | 392.268 | 2.801 |
| 868 | PILECO | D600-12 | OED | 1215.102 | 132.22 | 9.19 | 1648.115 | 588.379 | 2.801 |
| 869 | PILECO | D800-22 | OED | 1620.197 | 176.3 | 9.19 | 2197.57 | 784.535 | 2.801 |
| 204 | VULCAN | VUL 01 | ECH | 15 | 5 | 3 | 20.345 | 22.25 | 0.914 |
| 205 | VULCAN | VUL 02 | ECH | 7.26 | 3 | 2.42 | 9.847 | 13.35 | 0.738 |
| 206 | VULCAN | VUL 06 | ECH | 19.5 | 6.5 | 3 | 26.449 | 28.925 | 0.914 |
| 207 | VULCAN | VUL 08 | ECH | 26 | 8 | 3.25 | 35.265 | 35.6 | 0.991 |
| 208 | VULCAN | VUL 010 | ECH | 32.5 | 10 | 3.25 | 44.082 | 44.5 | 0.991 |
| 209 | VULCAN | VUL 012 | ECH | 39 | 12 | 3.25 | 52.898 | 53.4 | 0.991 |
| 210 | VULCAN | VUL 014 | ECH | 42 | 14 | 3 | 56.967 | 62.3 | 0.914 |
| 211 | VULCAN | VUL 016 | ECH | 48.75 | 16.25 | 3 | 66.123 | 72.313 | 0.914 |
| 212 | VULCAN | VUL 020 | ECH | 60 | 20 | 3 | 81.382 | 89 | 0.914 |
| 213 | VULCAN | VUL 030 | ECH | 90 | 30 | 3 | 122.072 | 133.5 | 0.914 |
| 214 | VULCAN | VUL 040 | ECH | 120 | 40 | 3 | 162.763 | 178 | 0.914 |
| 215 | VULCAN | VUL 060 | ECH | 180 | 60 | 3 | 244.145 | 267 | 0.914 |
| 220 | VULCAN | VUL 30C | ECH | 7.26 | 3 | 2.42 | 9.847 | 13.35 | 0.738 |
| 231 | VULCAN | VUL 320 | ECH | 60 | 20 | 3 | 81.382 | 89 | 0.914 |
| 232 | VULCAN | VUL 330 | ECH | 90 | 30 | 3 | 122.072 | 133.5 | 0.914 |
| 233 | VULCAN | VUL 340 | ECH | 120 | 40 | 3 | 162.763 | 178 | 0.914 |
| 234 | VULCAN | VUL 360 | ECH | 180 | 60 | 3 | 244.145 | 267 | 0.914 |
| 235 | VULCAN | VUL 505 | ECH | 25 | 5 | 5 | 33.909 | 22.25 | 1.524 |
| 236 | VULCAN | VUL 506 | ECH | 32.5 | 6.5 | 5 | 44.082 | 28.925 | 1.524 |
| 237 | VULCAN | VUL 508 | ECH | 40 | 8 | 5 | 54.254 | 35.6 | 1.524 |
| 221 | VULCAN | VUL 50C | ECH | 15.1 | 5 | 3.02 | 20.481 | 22.25 | 0.92 |
| 238 | VULCAN | VUL 510 | ECH | 50 | 10 | 5 | 67.818 | 44.5 | 1.524 |
| 239 | VULCAN | VUL 512 | ECH | 60 | 12 | 5 | 81.382 | 53.4 | 1.524 |
| 240 | VULCAN | VUL 520 | ECH | 100 | 20 | 5 | 135.636 | 89 | 1.524 |
| 241 | VULCAN | VUL 530 | ECH | 150 | 30 | 5 | 203.454 | 133.5 | 1.524 |
| 242 | VULCAN | VUL 540 | ECH | 200.001 | 40.9 | 4.89 | 271.273 | 182.005 | 1.49 |
| 243 | VULCAN | VUL 560 | ECH | 300 | 62.5 | 4.8 | 406.908 | 278.125 | 1.463 |
| 222 | VULCAN | VUL 65C | ECH | 19.175 | 6.5 | 2.95 | 26.008 | 28.925 | 0.899 |
| 224 | VULCAN | VUL 80C | ECH | 24.48 | 8 | 3.06 | 33.204 | 35.6 | 0.933 |
| 225 | VULCAN | VUL 85C | ECH | 25.986 | 8.52 | 3.05 | 35.246 | 37.914 | 0.93 |
| 226 | VULCAN | VUL 100C | ECH | 32.9 | 10 | 3.29 | 44.624 | 44.5 | 1.003 |
| 227 | VULCAN | VUL 140C | ECH | 35.98 | 14 | 2.57 | 48.802 | 62.3 | 0.783 |
| 228 | VULCAN | VUL 200C | ECH | 50.2 | 20 | 2.51 | 68.089 | 89 | 0.765 |
| 245 | VULCAN | VUL 3100 | ECH | 300 | 100 | 3 | 406.908 | 445 | 0.914 |
| 229 | VULCAN | VUL 400C | ECH | 113.6 | 40 | 2.84 | 154.082 | 178 | 0.866 |
| 246 | VULCAN | VUL 5100 | ECH | 500 | 100 | 5 | 678.18 | 445 | 1.524 |

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|-----|---------|----------|-----|---------|--------|-------|----------|--------|-------|
| 247 | VULCAN | VUL 5150 | ECH | 750 | 150 | 5 | 1017.27 | 667.5 | 1.524 |
| 230 | VULCAN | VUL 600C | ECH | 179.16 | 60 | 2.986 | 243.005 | 267 | 0.91 |
| 248 | VULCAN | VUL 6300 | ECH | 1800 | 300 | 6 | 2441.448 | 1335 | 1.829 |
| 223 | VULCAN | VUL 65CA | ECH | 19.565 | 6.5 | 3.01 | 26.537 | 28.925 | 0.917 |
| 171 | CONMACO | C 50 | ECH | 15 | 5 | 3 | 20.345 | 22.25 | 0.914 |
| 172 | CONMACO | C 65 | ECH | 19.5 | 6.5 | 3 | 26.449 | 28.925 | 0.914 |
| 175 | CONMACO | C 80 | ECH | 26 | 8 | 3.25 | 35.265 | 35.6 | 0.991 |
| 176 | CONMACO | C 100 | ECH | 32.5 | 10 | 3.25 | 44.082 | 44.5 | 0.991 |
| 177 | CONMACO | C 115 | ECH | 37.375 | 11.5 | 3.25 | 50.694 | 51.175 | 0.991 |
| 182 | CONMACO | C 140 | ECH | 42 | 14 | 3 | 56.967 | 62.3 | 0.914 |
| 183 | CONMACO | C 160 | ECH | 48.75 | 16.25 | 3 | 66.123 | 72.313 | 0.914 |
| 184 | CONMACO | C 200 | ECH | 60 | 20 | 3 | 81.382 | 89 | 0.914 |
| 185 | CONMACO | C 300 | ECH | 90 | 30 | 3 | 122.072 | 133.5 | 0.914 |
| 173 | CONMACO | C 550 | ECH | 25 | 5 | 5 | 33.909 | 22.25 | 1.524 |
| 174 | CONMACO | C 565 | ECH | 32.5 | 6.5 | 5 | 44.082 | 28.925 | 1.524 |
| 196 | CONMACO | C 1750 | ECH | 1050 | 175 | 6 | 1424.178 | 778.75 | 1.829 |
| 192 | CONMACO | C 50E5 | ECH | 25 | 5 | 5 | 33.909 | 22.25 | 1.524 |
| 186 | CONMACO | C 5200 | ECH | 100 | 20 | 5 | 135.636 | 89 | 1.524 |
| 187 | CONMACO | C 5300 | ECH | 150 | 30 | 5 | 203.454 | 133.5 | 1.524 |
| 188 | CONMACO | C 5450 | ECH | 225 | 45 | 5 | 305.181 | 200.25 | 1.524 |
| 189 | CONMACO | C 5700 | ECH | 350 | 70 | 5 | 474.726 | 311.5 | 1.524 |
| 193 | CONMACO | C 65E5 | ECH | 32.5 | 6.5 | 5 | 44.082 | 28.925 | 1.524 |
| 190 | CONMACO | C 6850 | ECH | 510 | 85 | 6 | 691.744 | 378.25 | 1.829 |
| 178 | CONMACO | C 80E5 | ECH | 40 | 8 | 5 | 54.254 | 35.6 | 1.524 |
| 179 | CONMACO | C 100E5 | ECH | 50 | 10 | 5 | 67.818 | 44.5 | 1.524 |
| 180 | CONMACO | C 115E5 | ECH | 57.5 | 11.5 | 5 | 77.991 | 51.175 | 1.524 |
| 181 | CONMACO | C 125E5 | ECH | 62.5 | 12.5 | 5 | 84.773 | 55.625 | 1.524 |
| 194 | CONMACO | C 200E5 | ECH | 100 | 20 | 5 | 135.636 | 89 | 1.524 |
| 195 | CONMACO | C 300E5 | ECH | 150 | 30 | 5 | 203.454 | 133.5 | 1.524 |
| 191 | CONMACO | C 160 ** | ECH | 51.78 | 17.26 | 3 | 70.232 | 76.807 | 0.914 |
| 90 | HITACHI | HNC65 | ECH | 56.419 | 14.33 | 3.937 | 76.524 | 63.77 | 1.2 |
| 91 | HITACHI | HNC80 | ECH | 69.433 | 17.636 | 3.937 | 94.176 | 78.48 | 1.2 |
| 92 | HITACHI | HNC100 | ECH | 86.791 | 22.045 | 3.937 | 117.72 | 98.1 | 1.2 |
| 93 | HITACHI | HNC125 | ECH | 108.493 | 27.557 | 3.937 | 147.156 | 122.63 | 1.2 |
| 481 | JUNTTAN | HHK3A | ECH | 26.048 | 6.616 | 3.937 | 35.33 | 29.442 | 1.2 |
| 482 | JUNTTAN | HHK4A | ECH | 34.73 | 8.822 | 3.937 | 47.107 | 39.256 | 1.2 |
| 483 | JUNTTAN | HHK5A | ECH | 43.413 | 11.027 | 3.937 | 58.884 | 49.07 | 1.2 |
| 951 | JUNTTAN | HHK5S | ECH | 54.266 | 11.027 | 4.921 | 73.604 | 49.07 | 1.5 |
| 484 | JUNTTAN | HHK6A | ECH | 52.095 | 13.232 | 3.937 | 70.66 | 58.884 | 1.2 |
| 485 | JUNTTAN | HHK7A | ECH | 60.754 | 15.431 | 3.937 | 82.404 | 68.67 | 1.2 |
| 952 | JUNTTAN | HHK7S | ECH | 75.973 | 15.438 | 4.921 | 103.046 | 68.697 | 1.5 |
| 491 | JUNTTAN | HHK9A | ECH | 78.143 | 19.848 | 3.937 | 105.99 | 88.325 | 1.2 |
| 953 | JUNTTAN | HHK9S | ECH | 97.679 | 19.848 | 4.921 | 132.488 | 88.325 | 1.5 |
| 961 | JUNTTAN | HHU5A | ECH | 54.266 | 11.027 | 4.921 | 73.604 | 49.07 | 1.5 |
| 962 | JUNTTAN | HHU7A | ECH | 75.942 | 15.431 | 4.921 | 103.005 | 68.67 | 1.5 |
| 963 | JUNTTAN | HHU9A | ECH | 97.64 | 19.84 | 4.921 | 132.435 | 88.29 | 1.5 |
| 486 | JUNTTAN | HHK10A | ECH | 86.826 | 22.054 | 3.937 | 117.767 | 98.139 | 1.2 |
| 949 | JUNTTAN | HHK10S | ECH | 108.494 | 22.046 | 4.921 | 147.157 | 98.105 | 1.5 |

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|-----|---------|----------|-----|---------|--------|-------|---------|---------|-------|
| 487 | JUNTTAN | HHK12A | ECH | 104.191 | 26.465 | 3.937 | 141.32 | 117.767 | 1.2 |
| 954 | JUNTTAN | HHK12S | ECH | 130.239 | 26.465 | 4.921 | 176.651 | 117.767 | 1.5 |
| 488 | JUNTTAN | HHK14A | ECH | 121.556 | 30.875 | 3.937 | 164.874 | 137.395 | 1.2 |
| 955 | JUNTTAN | HHK14S | ECH | 151.945 | 30.875 | 4.921 | 206.092 | 137.395 | 1.5 |
| 494 | JUNTTAN | HHK16A | ECH | 138.921 | 35.286 | 3.937 | 188.427 | 157.023 | 1.2 |
| 956 | JUNTTAN | HHK16S | ECH | 173.652 | 35.286 | 4.921 | 235.534 | 157.023 | 1.5 |
| 495 | JUNTTAN | HHK18A | ECH | 156.286 | 39.697 | 3.937 | 211.981 | 176.651 | 1.2 |
| 957 | JUNTTAN | HHK18S | ECH | 195.358 | 39.697 | 4.921 | 264.976 | 176.651 | 1.5 |
| 496 | JUNTTAN | HHK20A | ECH | 173.652 | 44.108 | 3.937 | 235.534 | 196.278 | 1.2 |
| 958 | JUNTTAN | HHK20S | ECH | 217.065 | 44.108 | 4.921 | 294.418 | 196.278 | 1.5 |
| 959 | JUNTTAN | HHK25S | ECH | 271.222 | 55.112 | 4.921 | 367.875 | 245.25 | 1.5 |
| 950 | JUNTTAN | HHK28S | ECH | 303.784 | 61.729 | 4.921 | 412.041 | 274.694 | 1.5 |
| 960 | JUNTTAN | HHK36S | ECH | 390.56 | 79.362 | 4.921 | 529.74 | 353.16 | 1.5 |
| 498 | JUNTTAN | HHK3AL | ECH | 17.365 | 6.616 | 2.625 | 23.553 | 29.442 | 0.8 |
| 499 | JUNTTAN | HHK4AL | ECH | 23.154 | 8.822 | 2.625 | 31.405 | 39.256 | 0.8 |
| 497 | JUNTTAN | HHK4SL | ECH | 43.396 | 8.818 | 4.921 | 58.86 | 39.24 | 1.5 |
| 500 | JUNTTAN | HHK5AL | ECH | 28.942 | 11.027 | 2.625 | 39.256 | 49.07 | 0.8 |
| 964 | JUNTTAN | HHU12A | ECH | 130.187 | 26.454 | 4.921 | 176.58 | 117.72 | 1.5 |
| 965 | JUNTTAN | HHU14A | ECH | 151.884 | 30.863 | 4.921 | 206.01 | 137.34 | 1.5 |
| 966 | JUNTTAN | HHU16A | ECH | 173.582 | 35.272 | 4.921 | 235.44 | 156.96 | 1.5 |
| 968 | JUNTTAN | SHK100-3 | ECH | 26.905 | 6.613 | 4.068 | 36.493 | 29.43 | 1.24 |
| 969 | JUNTTAN | SHK100-3 | ECH | 35.888 | 8.822 | 4.068 | 48.677 | 39.256 | 1.24 |
| 970 | JUNTTAN | SHK100-3 | ECH | 44.842 | 11.022 | 4.068 | 60.822 | 49.05 | 1.24 |
| 971 | JUNTTAN | SHK100-3 | ECH | 53.815 | 13.228 | 4.068 | 72.992 | 58.865 | 1.24 |
| 977 | JUNTTAN | SHK100-5 | ECH | 44.844 | 11.023 | 4.068 | 60.825 | 49.052 | 1.24 |
| 978 | JUNTTAN | SHK100-5 | ECH | 53.815 | 13.228 | 4.068 | 72.992 | 58.865 | 1.24 |
| 972 | JUNTTAN | SHK110-5 | ECH | 44.976 | 11.022 | 4.08 | 61.004 | 49.05 | 1.244 |
| 973 | JUNTTAN | SHK110-5 | ECH | 53.824 | 13.228 | 4.069 | 73.005 | 58.865 | 1.24 |
| 974 | JUNTTAN | SHK110-5 | ECH | 65.622 | 15.431 | 4.253 | 89.007 | 68.67 | 1.296 |
| 975 | JUNTTAN | SHK110-5 | ECH | 77.421 | 17.637 | 4.39 | 105.011 | 78.485 | 1.338 |
| 976 | JUNTTAN | SHK110-5 | ECH | 87.741 | 19.842 | 4.422 | 119.009 | 88.297 | 1.348 |
| 979 | JUNTTAN | SHK110-7 | ECH | 65.632 | 15.432 | 4.253 | 89.021 | 68.672 | 1.296 |
| 980 | JUNTTAN | SHK110-7 | ECH | 77.43 | 17.637 | 4.39 | 105.023 | 78.485 | 1.338 |
| 981 | JUNTTAN | SHK110-7 | ECH | 87.741 | 19.842 | 4.422 | 119.009 | 88.297 | 1.348 |
| 900 | Mueller | MS16HF | VIB | 219 | 1.16 | 39.2 | 219 | 5.162 | 39.2 |
| 901 | Mueller | MS25H2 | VIB | 218 | 0.904 | 28 | 218 | 4.023 | 28 |
| 902 | Mueller | MS25H3 | VIB | 218 | 0.904 | 28 | 218 | 4.023 | 28 |
| 903 | Mueller | MS50H2 | VIB | 419 | 1.2 | 27 | 419 | 5.34 | 27 |

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|------|----------|--------------|-----|--------|--------|-------|---------|--------|-------|
| 904 | Mueller | MS50H3 | VIB | 419 | 1.2 | 27 | 419 | 5.34 | 27 |
| 905 | Mueller | MS25HH F | VIB | 274 | 0.583 | 27.3 | 274 | 2.595 | 27.3 |
| 906 | Mueller | MS50HH F | VIB | 562 | 1.166 | 27.3 | 562 | 5.191 | 27.3 |
| 907 | Mueller | MS100H HF | VIB | 750 | 2.333 | 24.9 | 750 | 10.382 | 24.9 |
| 910 | Mueller | MS- 10HFV | VIB | 203 | 0.387 | 39.3 | 203 | 1.721 | 39.3 |
| 908 | Mueller | MS120H HF | VIB | 895 | 2.304 | 25.6 | 895 | 10.252 | 25.6 |
| 911 | Mueller | MS- 16HFV | VIB | 294 | 0.526 | 39.2 | 294 | 2.343 | 39.2 |
| 909 | Mueller | MS200H HF | VIB | 837 | 4.253 | 22.9 | 837 | 18.924 | 22.9 |
| 912 | Mueller | MS- 24HFV | VIB | 720 | 0.847 | 39.2 | 720 | 3.767 | 39.2 |
| 913 | Mueller | MS- 32HFV | VIB | 551 | 1.053 | 39.6 | 551 | 4.686 | 39.6 |
| 914 | Mueller | MS- 48HFV | VIB | 823 | 1.693 | 39.2 | 823 | 7.534 | 39.2 |
| 915 | Mueller | MS- 62HFV | VIB | 735 | 1.823 | 35 | 735 | 8.112 | 35 |
| 1134 | Pilemer | DKH-3U | ECH | 26.004 | 6.6 | 3.94 | 35.271 | 29.37 | 1.201 |
| 1135 | Pilemer | DKH 10L | ECH | 86.791 | 22.045 | 3.937 | 117.72 | 98.1 | 1.2 |
| 255 | RAYMOND | R 0 | ECH | 24.375 | 7.5 | 3.25 | 33.061 | 33.375 | 0.991 |
| 251 | RAYMOND | R 1 | ECH | 15 | 5 | 3 | 20.345 | 22.25 | 0.914 |
| 252 | RAYMOND | R 1S | ECH | 19.5 | 6.5 | 3 | 26.449 | 28.925 | 0.914 |
| 258 | RAYMOND | R 2/0 | ECH | 32.5 | 10 | 3.25 | 44.082 | 44.5 | 0.991 |
| 259 | RAYMOND | R 3/0 | ECH | 40.625 | 12.5 | 3.25 | 55.102 | 55.625 | 0.991 |
| 263 | RAYMOND | R 30X | ECH | 75 | 30 | 2.5 | 101.727 | 133.5 | 0.762 |
| 261 | RAYMOND | R 4/0 | ECH | 48.75 | 15 | 3.25 | 66.123 | 66.75 | 0.991 |
| 265 | RAYMOND | R 40X | ECH | 100 | 40 | 2.5 | 135.636 | 178 | 0.762 |
| 262 | RAYMOND | R 5/0 | ECH | 56.875 | 17.5 | 3.25 | 77.143 | 77.875 | 0.991 |
| 266 | RAYMOND | R 60X | ECH | 150 | 60 | 2.5 | 203.454 | 267 | 0.762 |
| 253 | RAYMOND | R 65C | ECH | 19.5 | 6.5 | 3 | 26.449 | 28.925 | 0.914 |
| 264 | RAYMOND | R 8/0 | ECH | 81.25 | 25 | 3.25 | 110.204 | 111.25 | 0.991 |
| 256 | RAYMOND | R 80C | ECH | 24.48 | 8 | 3.06 | 33.204 | 35.6 | 0.933 |
| 260 | RAYMOND | R 150C | ECH | 48.75 | 15 | 3.25 | 66.123 | 66.75 | 0.991 |
| 254 | RAYMOND | R 65CH | ECH | 19.5 | 6.5 | 3 | 26.449 | 28.925 | 0.914 |
| 257 | RAYMOND | R 80CH | ECH | 24.48 | 8 | 3.06 | 33.204 | 35.6 | 0.933 |
| 514 | UDDCOMB | H2H | ECH | 16.618 | 4.404 | 3.773 | 22.54 | 19.6 | 1.15 |
| 515 | UDDCOMB | H3H | ECH | 24.882 | 6.6 | 3.77 | 33.749 | 29.37 | 1.149 |
| 516 | UDDCOMB | H4H | ECH | 33.176 | 8.8 | 3.77 | 44.999 | 39.16 | 1.149 |
| 517 | UDDCOMB | H5H | ECH | 41.47 | 11 | 3.77 | 56.248 | 48.95 | 1.149 |
| 518 | UDDCOMB | H6H | ECH | 49.764 | 13.2 | 3.77 | 67.498 | 58.74 | 1.149 |
| 519 | UDDCOMB | H8H | ECH | 82.192 | 17.6 | 4.67 | 111.482 | 78.32 | 1.423 |
| 520 | UDDCOMB | H10H | ECH | 86.877 | 22.05 | 3.94 | 117.836 | 98.122 | 1.201 |
| 401 | BERMINGH | B23 | CED | 22.988 | 2.8 | 8.21 | 31.18 | 12.46 | 2.502 |
| 434 | BERMINGH | B-9 | OED | 21 | 2 | 10.5 | 28.484 | 8.9 | 3.2 |
| 402 | BERMINGH | B200 | OED | 18 | 2 | 9 | 24.414 | 8.9 | 2.743 |
| 406 | BERMINGH | B-21 | OED | 53.245 | 4.63 | 11.5 | 72.219 | 20.604 | 3.505 |

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|------|-----------|----------|-----|---------|--------|-------|---------|--------|-------|
| 403 | BERMINGH | B225 | OED | 29.25 | 3 | 9.75 | 39.674 | 13.35 | 2.972 |
| 404 | BERMINGH | B300 | OED | 40.313 | 3.75 | 10.75 | 54.678 | 16.688 | 3.277 |
| 435 | BERMINGH | B-32 | OED | 81.075 | 7.05 | 11.5 | 109.967 | 31.373 | 3.505 |
| 405 | BERMINGH | B400 | OED | 53.75 | 5 | 10.75 | 72.904 | 22.25 | 3.277 |
| 436 | BERMINGH | B-64 | OED | 166.498 | 14.11 | 11.8 | 225.831 | 62.789 | 3.597 |
| 422 | BERMINGH | B2005 | OED | 18 | 2 | 9 | 24.414 | 8.9 | 2.743 |
| 414 | BERMINGH | B23 5 | CED | 22.988 | 2.8 | 8.21 | 31.18 | 12.46 | 2.502 |
| 424 | BERMINGH | B2505 | OED | 35.4 | 3 | 11.8 | 48.015 | 13.35 | 3.597 |
| 425 | BERMINGH | B3005 | OED | 35.4 | 3 | 11.8 | 48.015 | 13.35 | 3.597 |
| 416 | BERMINGH | B3505 | OED | 47.2 | 4 | 11.8 | 64.02 | 17.8 | 3.597 |
| 417 | BERMINGH | B4005 | OED | 59 | 5 | 11.8 | 80.025 | 22.25 | 3.597 |
| 418 | BERMINGH | B4505 | OED | 77.88 | 6.6 | 11.8 | 105.633 | 29.37 | 3.597 |
| 419 | BERMINGH | B5005 | OED | 92.04 | 7.8 | 11.8 | 124.839 | 34.71 | 3.597 |
| 420 | BERMINGH | B5505 | OED | 108.56 | 9.2 | 11.8 | 147.246 | 40.94 | 3.597 |
| 431 | BERMINGH | B6005 | OED | 160.952 | 13.64 | 11.8 | 218.309 | 60.698 | 3.597 |
| 433 | BERMINGH | B6505 | OED | 202.86 | 17.64 | 11.5 | 275.151 | 78.498 | 3.505 |
| 415 | BERMINGH | B250 5 | OED | 26.25 | 2.5 | 10.5 | 35.604 | 11.125 | 3.2 |
| 410 | BERMINGH | B300 M | OED | 40.313 | 3.75 | 10.75 | 54.678 | 16.688 | 3.277 |
| 411 | BERMINGH | B400 M | OED | 53.75 | 5 | 10.75 | 72.904 | 22.25 | 3.277 |
| 421 | BERMINGH | B550 C | OED | 88 | 11 | 8 | 119.36 | 48.95 | 2.438 |
| 432 | BERMINGH | B6505 C | OED | 253 | 22 | 11.5 | 343.159 | 97.9 | 3.505 |
| 412 | BERMINGH | B400 4.8 | OED | 43.2 | 4.8 | 9 | 58.595 | 21.36 | 2.743 |
| 413 | BERMINGH | B400 5.0 | OED | 45 | 5 | 9 | 61.036 | 22.25 | 2.743 |
| 437 | BERMINGH | B-6505HD | OED | 220.5 | 22.05 | 10 | 299.077 | 98.122 | 3.048 |
| 1001 | DFI-Corp | HHA250-4 | ECH | 25.181 | 5.51 | 4.57 | 34.154 | 24.52 | 1.393 |
| 1002 | DFI-Corp | HHA300-4 | ECH | 28.753 | 6.61 | 4.35 | 39 | 29.415 | 1.326 |
| 1003 | DFI-Corp | HHA325-4 | ECH | 30.358 | 7.16 | 4.24 | 41.177 | 31.862 | 1.292 |
| 1004 | DFI-Corp | HHA350-4 | ECH | 31.801 | 7.7 | 4.13 | 43.134 | 34.265 | 1.259 |
| 1005 | DFI-Corp | HHA400-6 | ECH | 51.92 | 8.8 | 5.9 | 70.422 | 39.16 | 1.798 |
| 1006 | DFI-Corp | HHA450-6 | ECH | 57.04 | 9.92 | 5.75 | 77.367 | 44.144 | 1.753 |
| 1007 | DFI-Corp | HHB500-6 | ECH | 66.66 | 11 | 6.06 | 90.415 | 48.95 | 1.847 |
| 1008 | DFI-Corp | HHB600-6 | ECH | 77.88 | 13.2 | 5.9 | 105.633 | 58.74 | 1.798 |
| 372 | FAIRCHLD | F-32 | ECH | 32.55 | 10.85 | 3 | 44.15 | 48.283 | 0.914 |
| 371 | FAIRCHLD | F-45 | ECH | 45 | 15 | 3 | 61.036 | 66.75 | 0.914 |
| 998 | HYPOTHET | EX 4 | OED | 23.375 | 2.75 | 8.5 | 31.705 | 12.238 | 2.591 |
| 1630 | LB Foster | 4150 | VIB | 335 | 0.534 | 25 | 335 | 2.376 | 25 |
| 1201 | Liebherr | H 50/3 | ECH | 28.974 | 6.6 | 4.39 | 39.299 | 29.37 | 1.338 |
| 1202 | Liebherr | H 50/4 | ECH | 35.024 | 8.8 | 3.98 | 47.505 | 39.16 | 1.213 |
| 1203 | Liebherr | H 85/5 | ECH | 43.34 | 11 | 3.94 | 58.785 | 48.95 | 1.201 |
| 1204 | Liebherr | H 85/7 | ECH | 60.158 | 15.425 | 3.9 | 81.595 | 68.641 | 1.189 |
| 1205 | Liebherr | H 110/7 | ECH | 60.158 | 15.425 | 3.9 | 81.595 | 68.641 | 1.189 |
| 1206 | Liebherr | H 110/9 | ECH | 78.011 | 19.85 | 3.93 | 105.81 | 88.333 | 1.198 |
| 81 | LINKBELT | LB 180 | CED | 8.096 | 1.73 | 4.68 | 10.982 | 7.699 | 1.426 |

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|-----|----------|--------------|-----|---------|--------|-------|---------|---------|-------|
| 82 | LINKBELT | LB 312 | CED | 15.015 | 3.86 | 3.89 | 20.366 | 17.177 | 1.186 |
| 83 | LINKBELT | LB 440 | CED | 18.2 | 4 | 4.55 | 24.686 | 17.8 | 1.387 |
| 84 | LINKBELT | LB 520 | CED | 26.313 | 5.07 | 5.19 | 35.69 | 22.562 | 1.582 |
| 85 | LINKBELT | LB 660 | CED | 51.627 | 7.57 | 6.82 | 70.025 | 33.687 | 2.079 |
| 458 | MENCK-UW | MHU500 T* | ECH | 368.741 | 65.958 | 5.591 | 500.146 | 293.513 | 1.704 |
| 61 | MITSUBIS | M 14 | OED | 25.245 | 2.97 | 8.5 | 34.241 | 13.217 | 2.591 |
| 63 | MITSUBIS | M 23 | OED | 43.01 | 5.06 | 8.5 | 58.337 | 22.517 | 2.591 |
| 65 | MITSUBIS | M 33 | OED | 61.71 | 7.26 | 8.5 | 83.701 | 32.307 | 2.591 |
| 67 | MITSUBIS | M 43 | OED | 80.41 | 9.46 | 8.5 | 109.065 | 42.097 | 2.591 |
| 62 | MITSUBIS | MH 15 | OED | 28.135 | 3.31 | 8.5 | 38.161 | 14.729 | 2.591 |
| 64 | MITSUBIS | MH 25 | OED | 46.835 | 5.51 | 8.5 | 63.525 | 24.52 | 2.591 |
| 66 | MITSUBIS | MH 35 | OED | 65.62 | 7.72 | 8.5 | 89.004 | 34.354 | 2.591 |
| 68 | MITSUBIS | MH 45 | OED | 85.425 | 10.05 | 8.5 | 115.867 | 44.723 | 2.591 |
| 70 | MITSUBIS | MH 72B | OED | 135.15 | 15.9 | 8.5 | 183.312 | 70.755 | 2.591 |
| 71 | MITSUBIS | MH 80B | OED | 149.6 | 17.6 | 8.5 | 202.911 | 78.32 | 2.591 |
| 656 | Pilemast | 24-750 | ECH | 1.5 | 0.75 | 2 | 2.035 | 3.338 | 0.61 |
| 657 | Pilemast | 24-900 | ECH | 1.8 | 0.9 | 2 | 2.441 | 4.005 | 0.61 |
| 658 | Pilemast | 24-2000 | ECH | 4 | 2 | 2 | 5.425 | 8.9 | 0.61 |
| 659 | Pilemast | 24-2500 | ECH | 5 | 2.5 | 2 | 6.782 | 11.125 | 0.61 |
| 660 | Pilemast | 36-3000 | ECH | 9 | 3 | 3 | 12.207 | 13.35 | 0.914 |
| 661 | Pilemast | 36-5000 | ECH | 15 | 5 | 3 | 20.345 | 22.25 | 0.914 |
| 650 | Twinwood | V20B | ECH | 35.584 | 9.038 | 3.937 | 48.265 | 40.221 | 1.2 |
| 651 | Twinwood | V100D | ECH | 87.659 | 22.265 | 3.937 | 118.897 | 99.081 | 1.2 |
| 652 | Twinwood | V160B | ECH | 140.582 | 35.708 | 3.937 | 190.68 | 158.9 | 1.2 |
| 653 | Twinwood | V400A | ECH | 263.841 | 67.016 | 3.937 | 357.864 | 298.22 | 1.2 |