



# CDL Vertical Multistage Centrifugal Pump



## Product Overview

CDL vertical multistage non self-priming centrifugal pump, driven by a standard electric motor. The shaft of motor directly connects with the pump shaft through a coupling. This kind of pump can be equipped with an intelligent protector to effectively prevent it from dry-running, out of phase and overload.

## Application

- Water supply
- Industrial boosting
- Industrial liquid conveying
- Water treatment
- Irrigation

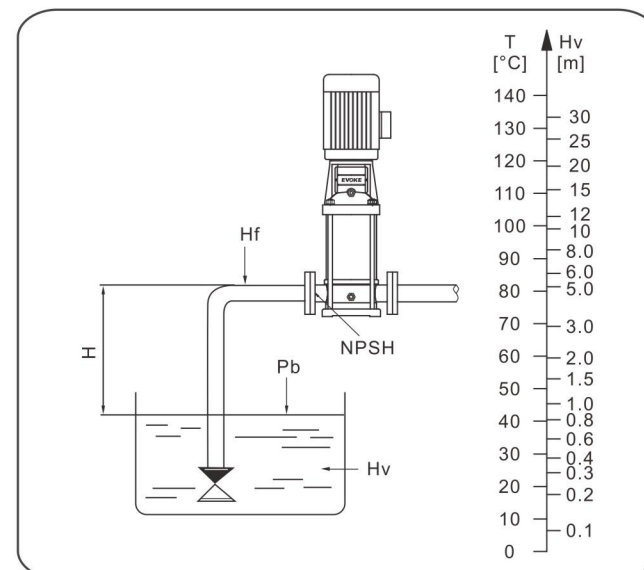
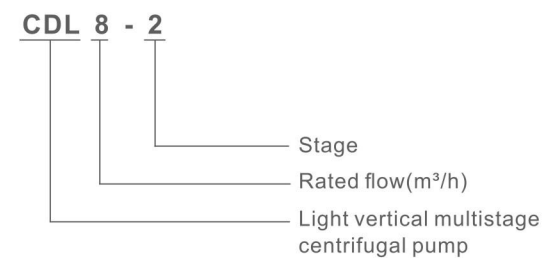
## Liquid Temperature

- Normal temperature type: -15°C~70°C
- Hot water type: -15°C~120°C
- Environmental temperature: ≤40°C

## Motor

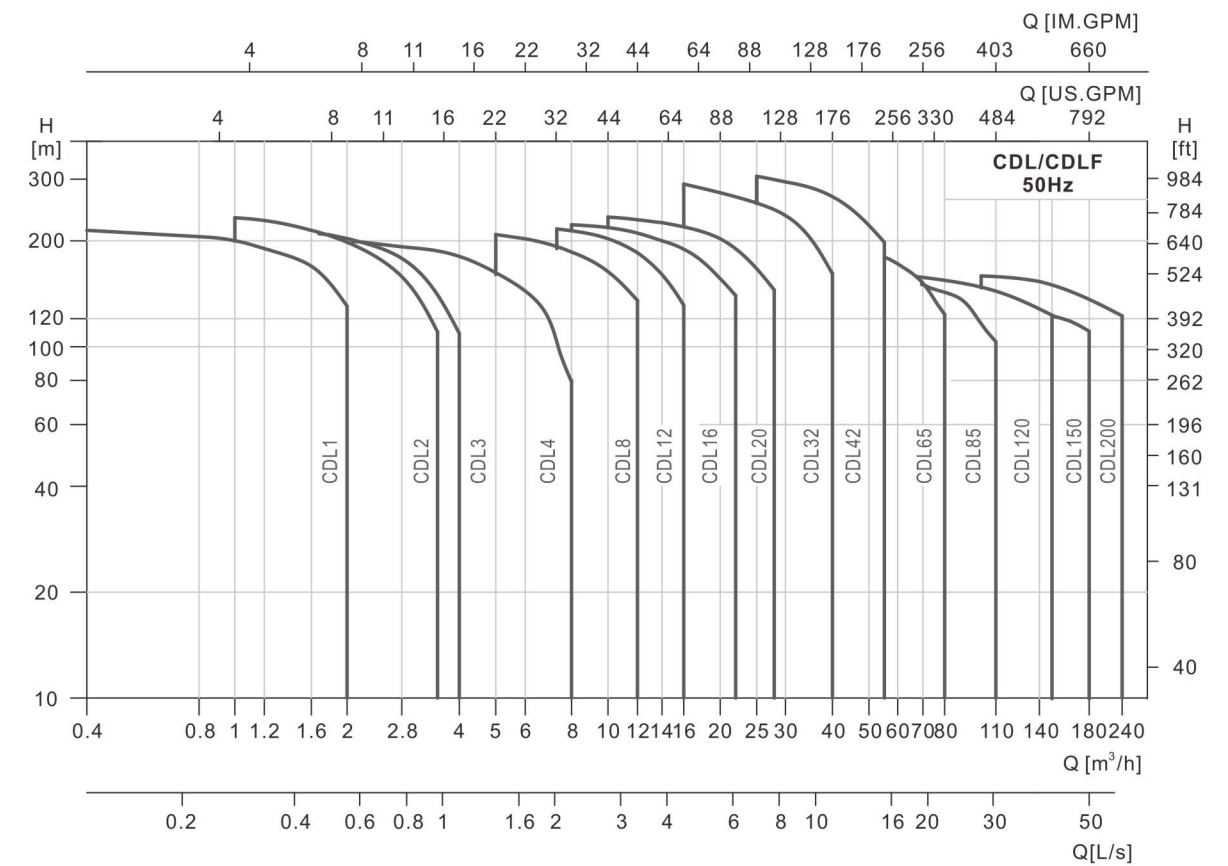
Full-enclosed air-blast two-pole standard motor  
 Protection level: IP55  
 Insulation class: F  
 Standard voltage: 50Hz: 1x220-230/240V  
 3x200-220/346-380V  
 3x220-240/380-415V  
 3x380-415V

## Model Definition



Check and ensure that the pump is not at cavitation state.

## Performance Curve



## Product Range

| Description            | CDL1      | CDL2      | CDL3     | CDL4     | CDL8     | CDL12   | CDL16   | CDL20    | CDL32    | CDL42    | CDL65    | CDL85     | CDL120    | CDL150 | CDL200    |
|------------------------|-----------|-----------|----------|----------|----------|---------|---------|----------|----------|----------|----------|-----------|-----------|--------|-----------|
| Rated flow [m³/h]      | 1         | 2         | 3        | 4        | 8        | 12      | 16      | 20       | 32       | 42       | 65       | 85        | 120       | 150    | 200       |
| Rated flow [L/s]       | 0.28      | 0.56      | 0.83     | 1.1      | 2.2      | 3.3     | 4.4     | 5.6      | 8.9      | 11.7     | 18       | 24        | 33        | 41.6   | 55.6      |
| Flow range [m³/h]      | 0.4-2     | 1-3.5     | 1.2-4    | 1.5-7    | 5-12     | 7-16    | 8-22    | 10-28    | 16-40    | 25-55    | 30-80    | 50-110    | 60-150    | 80-180 | 100-240   |
| Flow range [L/s]       | 0.11-0.56 | 0.28-0.97 | 0.33-1.1 | 0.42-1.9 | 1.4-3.3  | 1.9-4.4 | 2.2-6.1 | 2.8-7.8  | 4.4-11.1 | 6.9-15.3 | 8.3-22.2 | 13.8-30.5 | 16.7-41.7 | 22-50  | 27.8-66.7 |
| Max.pressure [bar]     | 21        | 23        | 22       | 21       | 21       | 22      | 22      | 23       | 29       | 30       | 22       | 17        | 16        | 16     | 16        |
| Motor power [kW]       | 0.37-2.2  | 0.37-3    | 0.37-3   | 0.37-4   | 0.75-7.5 | 1.5-11  | 2.2-15  | 1.1-18.5 | 1.5-30   | 3.0-45   | 4.0-45   | 5.5-45    | 11-75     | 11-75  | 18.5-110  |
| Temperature range [°C] | -15~+120  |           |          |          |          |         |         |          |          |          |          |           |           |        |           |
| Max. efficiency [%]    | 44        | 46        | 54       | 57       | 62       | 63      | 66      | 69       | 73       | 75       | 76       | 77        | 74        | 73     | 79        |
| Type                   | ●         |           |          |          |          |         |         |          |          |          |          |           |           |        |           |
| CDL                    | ●         |           |          |          |          |         |         |          |          |          |          |           |           |        |           |
| CDL pipe connection    |           |           |          |          |          |         |         |          |          |          |          |           |           |        |           |
| DIN flange             | DN25      | DN25      | DN25     | DN32     | DN40     | DN50    | DN50    | DN50     | DN65     | DN80     | DN100    | DN100     | DN125     | DN125  | DN150     |
| Oval flange            | G1        | G1        | G1       | G1¼      | G1½      |         |         |          |          |          |          |           |           |        |           |

**CDL1 Performance Table**

| Model   | Driving motor |      | Q (m³/h) | 0.4 | 0.6  | 0.8  | 1.0  | 1.2  | 1.4  | 1.6 | 1.8 | 2.0 |
|---------|---------------|------|----------|-----|------|------|------|------|------|-----|-----|-----|
|         | (kW)          | (HP) |          |     |      |      |      |      |      |     |     |     |
| CDL1-2  | 0.37          | 0.5  | H (m)    | 13  | 12.5 | 12   | 11.5 | 11   | 10.5 | 10  | 9.5 | 9   |
| CDL1-3  | 0.37          | 0.5  |          | 19  | 18   | 17.5 | 17   | 16.5 | 16   | 15  | 14  | 12  |
| CDL1-4  | 0.37          | 0.5  |          | 24  | 23.5 | 23   | 22.5 | 21.5 | 21   | 19  | 18  | 16  |
| CDL1-5  | 0.37          | 0.5  |          | 30  | 29.6 | 29   | 28   | 27   | 26   | 24  | 22  | 20  |
| CDL1-6  | 0.37          | 0.5  |          | 36  | 35.5 | 35   | 33.5 | 33   | 31   | 28  | 26  | 23  |
| CDL1-7  | 0.37          | 0.5  |          | 42  | 41   | 40.5 | 39   | 38   | 36   | 33  | 30  | 27  |
| CDL1-8  | 0.55          | 0.75 |          | 48  | 47   | 46   | 45   | 43   | 41   | 38  | 34  | 30  |
| CDL1-9  | 0.55          | 0.75 |          | 54  | 53   | 52   | 51   | 49   | 46   | 43  | 39  | 33  |
| CDL1-10 | 0.55          | 0.75 |          | 60  | 59   | 58   | 57   | 54   | 51   | 48  | 43  | 36  |
| CDL1-11 | 0.55          | 0.75 |          | 66  | 65   | 63   | 61   | 59   | 56   | 52  | 47  | 40  |
| CDL1-12 | 0.75          | 1    |          | 72  | 71   | 69   | 67   | 64   | 61   | 57  | 51  | 44  |
| CDL1-13 | 0.75          | 1    |          | 78  | 77   | 75   | 73   | 69   | 66   | 62  | 55  | 47  |
| CDL1-15 | 0.75          | 1    |          | 89  | 88   | 86   | 84   | 79   | 76   | 71  | 63  | 55  |
| CDL1-17 | 1.1           | 1.5  |          | 101 | 99   | 97   | 95   | 89   | 86   | 80  | 71  | 62  |
| CDL1-19 | 1.1           | 1.5  |          | 113 | 110  | 108  | 106  | 99   | 96   | 89  | 79  | 69  |
| CDL1-21 | 1.1           | 1.5  |          | 124 | 122  | 120  | 117  | 110  | 106  | 98  | 87  | 75  |
| CDL1-23 | 1.1           | 1.5  | 137      | 133 | 131  | 128  | 121  | 116  | 107  | 96  | 82  |     |
| CDL1-25 | 1.5           | 2    | 149      | 145 | 143  | 139  | 131  | 126  | 116  | 104 | 89  |     |
| CDL1-27 | 1.5           | 2    | 161      | 157 | 155  | 150  | 141  | 136  | 125  | 112 | 95  |     |
| CDL1-30 | 1.5           | 2    | 178      | 175 | 171  | 166  | 157  | 150  | 139  | 124 | 106 |     |
| CDL1-33 | 2.2           | 3    | 196      | 192 | 188  | 183  | 173  | 165  | 154  | 137 | 118 |     |
| CDL1-36 | 2.2           | 3    | 214      | 210 | 205  | 200  | 190  | 181  | 169  | 151 | 130 |     |

**CDL3 Performance Table**

| Model   | Driving motor |      | Q (m³/h) | 1.2  | 1.6  | 2.0  | 2.4  | 2.8 | 3.0 | 3.2 | 3.6 | 4.0 |
|---------|---------------|------|----------|------|------|------|------|-----|-----|-----|-----|-----|
|         | (kW)          | (HP) |          |      |      |      |      |     |     |     |     |     |
| CDL3-2  | 0.37          | 0.5  | H (m)    | 12.5 | 11.5 | 11   | 10.5 | 10  | 9   | 8   | 7   | 6   |
| CDL3-3  | 0.37          | 0.5  |          | 19   | 18.5 | 17.5 | 16.5 | 15  | 14  | 13  | 11  | 9   |
| CDL3-4  | 0.37          | 0.5  |          | 25   | 24   | 23   | 21.5 | 20  | 19  | 18  | 15  | 12  |
| CDL3-5  | 0.37          | 0.5  |          | 31   | 30   | 29   | 27   | 25  | 23  | 22  | 19  | 16  |
| CDL3-6  | 0.55          | 0.75 |          | 36   | 35   | 34   | 32   | 30  | 28  | 27  | 23  | 19  |
| CDL3-7  | 0.55          | 0.75 |          | 43   | 41   | 39   | 37   | 34  | 32  | 31  | 27  | 22  |
| CDL3-8  | 0.75          | 1    |          | 49   | 47   | 45   | 43   | 39  | 37  | 35  | 31  | 25  |
| CDL3-9  | 0.75          | 1    |          | 55   | 53   | 51   | 48   | 45  | 42  | 40  | 35  | 28  |
| CDL3-10 | 0.75          | 1    |          | 61   | 59   | 57   | 54   | 50  | 47  | 45  | 39  | 31  |
| CDL3-11 | 1.1           | 1.5  |          | 67   | 64   | 61   | 58   | 54  | 51  | 49  | 42  | 34  |
| CDL3-12 | 1.1           | 1.5  |          | 73   | 70   | 67   | 63   | 58  | 55  | 52  | 45  | 37  |
| CDL3-13 | 1.1           | 1.5  |          | 78   | 76   | 73   | 69   | 64  | 60  | 57  | 49  | 40  |
| CDL3-15 | 1.1           | 1.5  |          | 90   | 88   | 84   | 79   | 73  | 69  | 66  | 57  | 46  |
| CDL3-17 | 1.5           | 2    |          | 103  | 100  | 96   | 90   | 83  | 79  | 75  | 64  | 52  |
| CDL3-19 | 1.5           | 2    |          | 115  | 112  | 107  | 100  | 92  | 88  | 83  | 72  | 58  |
| CDL3-21 | 2.2           | 3    |          | 128  | 124  | 119  | 112  | 102 | 98  | 91  | 79  | 64  |
| CDL3-23 | 2.2           | 3    | 140      | 135  | 130  | 122  | 112  | 107 | 100 | 86  | 70  |     |
| CDL3-25 | 2.2           | 3    | 151      | 147  | 141  | 131  | 122  | 116 | 109 | 94  | 76  |     |
| CDL3-27 | 2.2           | 3    | 164      | 159  | 152  | 143  | 132  | 124 | 117 | 101 | 82  |     |
| CDL3-29 | 2.2           | 3    | 175      | 170  | 163  | 153  | 142  | 133 | 126 | 109 | 88  |     |
| CDL3-31 | 3.0           | 4    | 187      | 182  | 175  | 165  | 153  | 142 | 135 | 116 | 94  |     |
| CDL3-33 | 3.0           | 4    | 199      | 194  | 187  | 176  | 163  | 151 | 145 | 125 | 100 |     |
| CDL3-36 | 3.0           | 4    | 218      | 212  | 204  | 192  | 178  | 168 | 159 | 137 | 109 |     |

**CDL2 Performance Table**

| Model   | Driving motor |      | Q (m³/h) | 1   | 1.2 | 1.6 | 2.0 | 2.4 | 2.8 | 3.2 | 3.5 |
|---------|---------------|------|----------|-----|-----|-----|-----|-----|-----|-----|-----|
|         | (kW)          | (HP) |          |     |     |     |     |     |     |     |     |
| CDL2-2  | 0.37          | 0.5  | H (m)    | 18  | 17  | 16  | 15  | 13  | 12  | 10  | 8   |
| CDL2-3  | 0.37          | 0.5  |          | 27  | 26  | 24  | 22  | 20  | 18  | 15  | 12  |
| CDL2-4  | 0.55          | 0.75 |          | 36  | 35  | 33  | 30  | 26  | 24  | 20  | 16  |
| CDL2-5  | 0.55          | 0.75 |          | 45  | 43  | 40  | 37  | 33  | 30  | 24  | 20  |
| CDL2-6  | 0.75          | 1    |          | 53  | 52  | 50  | 45  | 40  | 36  | 30  | 24  |
| CDL2-7  | 0.75          | 1    |          | 63  | 61  | 57  | 52  | 47  | 41  | 35  | 28  |
| CDL2-9  | 1.1           | 1.5  |          | 80  | 78  | 73  | 67  | 61  | 54  | 45  | 37  |
| CDL2-11 | 1.1           | 1.5  |          | 98  | 95  | 89  | 82  | 73  | 64  | 54  | 44  |
| CDL2-13 | 1.5           | 2    |          | 116 | 114 | 106 | 98  | 89  | 78  | 65  | 52  |
| CDL2-15 | 1.5           | 2    |          | 134 | 130 | 123 | 112 | 100 | 90  | 73  | 60  |
| CDL2-18 | 2.2           | 3    |          | 161 | 157 | 148 | 136 | 121 | 108 | 91  | 76  |
| CDL2-22 | 2.2           | 3    |          | 197 | 192 | 180 | 165 | 148 | 130 | 110 | 90  |
| CDL2-26 | 3.0           | 4    |          | 232 | 228 | 214 | 198 | 179 | 158 | 130 | 110 |

**CDL4 Performance Table**

| Model   | Driving motor |      | Q (m³/h) | 1.5 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 |
|---------|---------------|------|----------|-----|-----|-----|-----|-----|-----|-----|
|         | (kW)          | (HP) |          |     |     |     |     |     |     |     |
| CDL4-2  | 0.37          | 0.5  | H (m)    | 19  | 18  | 17  | 15  | 13  | 10  | 8   |
| CDL4-3  | 0.55          | 0.75 |          | 28  | 27  | 26  | 24  | 20  | 18  | 13  |
| CDL4-4  | 0.75          | 1    |          | 38  | 36  | 34  | 32  | 27  | 24  | 19  |
| CDL4-5  | 1.1           | 1.5  |          | 47  | 45  | 43  | 40  | 34  | 31  | 23  |
| CDL4-6  | 1.1           | 1.5  |          | 56  | 54  | 52  | 48  | 41  | 37  | 28  |
| CDL4-7  | 1.5           | 2    |          | 66  | 63  | 61  | 56  | 48  | 43  | 33  |
| CDL4-8  | 1.5           | 2    |          | 74  | 72  | 70  | 64  | 55  | 50  | 38  |
| CDL4-10 | 2.2           | 3    |          | 96  | 90  | 87  | 81  | 71  | 62  | 48  |
| CDL4-12 | 2.2           | 3    |          | 114 | 108 | 104 | 95  | 85  | 75  | 58  |
| CDL4-14 | 3.0           | 4    |          | 136 | 126 | 122 | 112 | 101 | 89  | 68  |
| CDL4-16 | 3.0           | 4    |          | 152 | 144 | 140 | 129 | 115 | 101 | 78  |
| CDL4-19 | 4.0           | 5.5  |          | 183 | 171 | 168 | 153 | 137 | 122 | 93  |
| CDL4-22 | 4.0           | 5.5  |          | 211 | 200 | 192 | 178 | 160 | 138 | 108 |



**CDL8 Performance Table**

| Model   | Driving motor |      | Q (m³/h) | 5   | 6    | 7    | 8   | 9   | 10  | 11  | 12  |
|---------|---------------|------|----------|-----|------|------|-----|-----|-----|-----|-----|
|         | (kW)          | (HP) |          |     |      |      |     |     |     |     |     |
| CDL8-2  | 0.75          | 1    | H (m)    | 20  | 19.5 | 19   | 18  | 17  | 16  | 14  | 13  |
| CDL8-3  | 1.1           | 1.5  |          | 30  | 29.5 | 28.5 | 27  | 25  | 24  | 21  | 19  |
| CDL8-4  | 1.5           | 2    |          | 41  | 39.5 | 38   | 36  | 34  | 32  | 28  | 26  |
| CDL8-5  | 2.2           | 3    |          | 52  | 50   | 48   | 45  | 42  | 40  | 36  | 32  |
| CDL8-6  | 2.2           | 3    |          | 62  | 60   | 57   | 54  | 51  | 48  | 43  | 39  |
| CDL8-8  | 3.0           | 4    |          | 83  | 80   | 77   | 73  | 69  | 65  | 58  | 52  |
| CDL8-10 | 4.0           | 5.5  |          | 104 | 100  | 97   | 92  | 87  | 81  | 73  | 65  |
| CDL8-12 | 4.0           | 5.5  |          | 124 | 120  | 116  | 111 | 104 | 92  | 87  | 78  |
| CDL8-14 | 5.5           | 7.5  |          | 145 | 141  | 136  | 130 | 122 | 113 | 102 | 92  |
| CDL8-16 | 5.5           | 7.5  |          | 166 | 161  | 156  | 148 | 139 | 130 | 118 | 106 |
| CDL8-18 | 7.5           | 10   |          | 187 | 182  | 175  | 167 | 157 | 146 | 134 | 120 |
| CDL8-20 | 7.5           | 10   |          | 208 | 202  | 195  | 186 | 175 | 163 | 150 | 135 |

**CDL16 Performance Table**

| Model    | Driving motor |      | Q (m³/h) | 8   | 10  | 12  | 14  | 16  | 18  | 20  | 22  |
|----------|---------------|------|----------|-----|-----|-----|-----|-----|-----|-----|-----|
|          | (kW)          | (HP) |          |     |     |     |     |     |     |     |     |
| CDL16-2  | 2.2           | 3    | H (m)    | 27  | 26  | 25  | 24  | 22  | 21  | 19  | 16  |
| CDL16-3  | 3.0           | 4    |          | 41  | 40  | 38  | 37  | 34  | 32  | 29  | 25  |
| CDL16-4  | 4.0           | 5.5  |          | 54  | 53  | 52  | 49  | 46  | 43  | 38  | 34  |
| CDL16-5  | 5.5           | 7.5  |          | 68  | 67  | 65  | 62  | 58  | 54  | 48  | 43  |
| CDL16-6  | 5.5           | 7.5  |          | 82  | 80  | 78  | 74  | 70  | 64  | 58  | 52  |
| CDL16-7  | 7.5           | 10   |          | 96  | 95  | 91  | 87  | 82  | 76  | 68  | 61  |
| CDL16-8  | 7.5           | 10   |          | 110 | 108 | 104 | 99  | 94  | 86  | 77  | 70  |
| CDL16-10 | 11            | 15   |          | 138 | 136 | 131 | 125 | 118 | 109 | 97  | 87  |
| CDL16-12 | 11            | 15   |          | 166 | 162 | 157 | 150 | 141 | 130 | 116 | 105 |
| CDL16-14 | 15            | 20   |          | 194 | 190 | 184 | 175 | 166 | 152 | 136 | 122 |
| CDL16-16 | 15            | 20   |          | 222 | 217 | 210 | 200 | 189 | 174 | 156 | 140 |

**CDL12 Performance Table**

| Model    | Driving motor |      | Q (m³/h) | 7     | 8   | 9     | 10  | 11    | 12  | 13    | 14  | 15    | 16  |
|----------|---------------|------|----------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
|          | (kW)          | (HP) |          |       |     |       |     |       |     |       |     |       |     |
| CDL12-2  | 1.5           | 2    | H (m)    | 23.5  | 23  | 22.5  | 22  | 21    | 20  | 18.5  | 17  | 15.5  | 14  |
| CDL12-3  | 2.2           | 3    |          | 35.5  | 35  | 34    | 33  | 31.5  | 30  | 28    | 26  | 23.5  | 21  |
| CDL12-4  | 3             | 4    |          | 47    | 46  | 45    | 44  | 42    | 40  | 37    | 34  | 31    | 28  |
| CDL12-5  | 3             | 4    |          | 59.5  | 58  | 56.5  | 55  | 52.5  | 50  | 46.5  | 43  | 39    | 35  |
| CDL12-6  | 4             | 5.5  |          | 71.5  | 70  | 68    | 66  | 63    | 60  | 56    | 52  | 47    | 42  |
| CDL12-7  | 5.5           | 7.5  |          | 83.5  | 82  | 79.5  | 77  | 73.5  | 70  | 65.5  | 61  | 55    | 49  |
| CDL12-8  | 5.5           | 7.5  |          | 95.5  | 94  | 91    | 88  | 84    | 80  | 75    | 70  | 63    | 56  |
| CDL12-9  | 5.5           | 7.5  |          | 108   | 106 | 103   | 100 | 95.5  | 91  | 85    | 79  | 71.5  | 64  |
| CDL12-10 | 7.5           | 10   |          | 120   | 118 | 114.5 | 111 | 106   | 101 | 94.5  | 88  | 80    | 72  |
| CDL12-12 | 7.5           | 10   |          | 143.5 | 141 | 137   | 133 | 127   | 121 | 113.5 | 106 | 96    | 86  |
| CDL12-14 | 11            | 15   |          | 168   | 165 | 160   | 155 | 148   | 141 | 132.5 | 124 | 112   | 100 |
| CDL12-16 | 11            | 15   |          | 192.5 | 189 | 183.5 | 178 | 170   | 162 | 152   | 142 | 128.5 | 115 |
| CDL12-18 | 11            | 15   |          | 217   | 213 | 207.5 | 202 | 192.5 | 183 | 171.5 | 160 | 145   | 130 |

**CDL20 Performance Table**

| Model    | Driving motor |      | Q (m³/h) | 10   | 12   | 14   | 16  | 18  | 20  | 22  | 24  | 26  | 28  |
|----------|---------------|------|----------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
|          | (kW)          | (HP) |          |      |      |      |     |     |     |     |     |     |     |
| CDL20-1  | 1.1           | 1.5  | H (m)    | 13.5 | 13   | 12.5 | 12  | 11  | 10  | 9   | 8   | 7   | 6   |
| CDL20-2  | 2.2           | 3    |          | 27   | 26.5 | 26   | 25  | 24  | 23  | 22  | 20  | 18  | 15  |
| CDL20-3  | 4.0           | 5.5  |          | 40   | 39.5 | 39   | 38  | 37  | 35  | 33  | 30  | 27  | 24  |
| CDL20-4  | 5.5           | 7.5  |          | 54   | 53   | 52   | 51  | 49  | 47  | 44  | 41  | 37  | 33  |
| CDL20-5  | 5.5           | 7.5  |          | 67   | 66   | 64   | 62  | 60  | 58  | 55  | 50  | 45  | 40  |
| CDL20-6  | 7.5           | 10   |          | 81   | 79   | 77   | 75  | 73  | 70  | 66  | 61  | 55  | 49  |
| CDL20-7  | 7.5           | 10   |          | 95   | 93   | 91   | 89  | 86  | 82  | 77  | 71  | 65  | 58  |
| CDL20-8  | 11            | 15   |          | 109  | 107  | 105  | 102 | 99  | 94  | 89  | 82  | 75  | 67  |
| CDL20-10 | 11            | 15   |          | 136  | 134  | 131  | 128 | 124 | 118 | 111 | 103 | 95  | 85  |
| CDL20-12 | 15            | 20   |          | 164  | 162  | 158  | 154 | 149 | 142 | 133 | 124 | 114 | 102 |
| CDL20-14 | 15            | 20   |          | 192  | 189  | 185  | 180 | 174 | 166 | 156 | 145 | 133 | 119 |
| CDL20-17 | 18.5          | 25   |          | 234  | 230  | 225  | 219 | 212 | 202 | 190 | 177 | 162 | 145 |

**CDL32 Performance Table**

| Model      | Driving motor |      | Q (m³/h) | 16  | 20  | 24  | 28  | 32  | 36 | 40 | Model       | Driving motor |      | Q (m³/h) | 16  | 20  | 24  | 28  | 32  | 36  | 40  |
|------------|---------------|------|----------|-----|-----|-----|-----|-----|----|----|-------------|---------------|------|----------|-----|-----|-----|-----|-----|-----|-----|
|            | (kW)          | (HP) |          |     |     |     |     |     |    |    |             | (kW)          | (hp) |          |     |     |     |     |     |     |     |
| CDL32-10-1 | 1.5           | 2    | H (m)    | 14  | 13  | 12  | 11  | 9   | 7  | 4  | CDL32-90-2  | 18.5          | 25   | H (m)    | 154 | 148 | 140 | 129 | 117 | 102 | 82  |
| CDL32-10   | 2.2           | 3    |          | 18  | 17  | 15  | 14  | 13  | 11 | 8  | CDL32-90    | 18.5          | 25   |          | 162 | 156 | 147 | 136 | 124 | 109 | 88  |
| CDL32-20-2 | 3.0           | 4    |          | 29  | 28  | 26  | 23  | 20  | 16 | 11 | CDL32-100-2 | 18.5          | 25   |          | 175 | 166 | 157 | 146 | 131 | 115 | 91  |
| CDL32-20   | 4.0           | 5.5  |          | 36  | 34  | 32  | 29  | 27  | 23 | 18 | CDL32-100   | 18.5          | 25   |          | 182 | 173 | 164 | 152 | 138 | 122 | 98  |
| CDL32-30-2 | 5.5           | 7.5  |          | 47  | 44  | 41  | 29  | 33  | 28 | 21 | CDL32-110-2 | 22            | 30   |          | 193 | 184 | 173 | 164 | 146 | 128 | 102 |
| CDL32-30   | 5.5           | 7.5  |          | 54  | 51  | 48  | 44  | 40  | 35 | 27 | CDL32-110   | 22            | 30   |          | 200 | 191 | 180 | 168 | 153 | 135 | 109 |
| CDL32-40-2 | 7.5           | 10   |          | 65  | 62  | 58  | 53  | 46  | 40 | 30 | CDL32-120-2 | 22            | 30   |          | 211 | 201 | 189 | 178 | 160 | 140 | 113 |
| CDL32-40   | 7.5           | 10   |          | 72  | 69  | 65  | 59  | 53  | 47 | 37 | CDL32-120   | 22            | 30   |          | 218 | 208 | 196 | 184 | 167 | 147 | 120 |
| CDL32-50-2 | 11            | 15   |          | 83  | 79  | 74  | 68  | 60  | 52 | 41 | CDL32-130-2 | 30            | 40   |          | 230 | 218 | 206 | 193 | 174 | 153 | 124 |
| CDL32-50   | 11            | 15   |          | 90  | 86  | 81  | 74  | 67  | 59 | 47 | CDL32-130   | 30            | 40   |          | 237 | 225 | 213 | 200 | 181 | 160 | 131 |
| CDL32-60-2 | 11            | 15   |          | 101 | 97  | 90  | 83  | 74  | 65 | 51 | CDL32-140-2 | 30            | 40   |          | 247 | 235 | 222 | 210 | 189 | 165 | 135 |
| CDL32-60   | 11            | 15   |          | 108 | 104 | 97  | 90  | 81  | 72 | 57 | CDL32-140   | 30            | 40   |          | 255 | 242 | 229 | 216 | 196 | 172 | 142 |
| CDL32-70-2 | 15            | 20   |          | 119 | 114 | 107 | 98  | 88  | 78 | 60 | CDL32-150-2 | 30            | 40   |          | 266 | 253 | 239 | 224 | 203 | 178 | 145 |
| CDL32-70   | 15            | 20   |          | 126 | 121 | 113 | 105 | 95  | 85 | 67 | CDL32-150   | 30            | 40   |          | 274 | 260 | 246 | 231 | 210 | 185 | 152 |
| CDL32-80-2 | 15            | 20   |          | 136 | 131 | 123 | 114 | 102 | 90 | 71 | CDL32-160-2 | 30            | 40   |          | 284 | 270 | 255 | 240 | 218 | 190 | 156 |
| CDL32-80   | 15            | 20   |          | 144 | 138 | 130 | 120 | 109 | 97 | 77 | CDL32-160   | 30            | 40   |          | 292 | 277 | 262 | 246 | 225 | 197 | 163 |

**CDL65 Performance Table**

| Model      | Driving motor |      | Q (m³/h) | 30  | 40  | 50  | 60  | 65  | 70  | 80 |
|------------|---------------|------|----------|-----|-----|-----|-----|-----|-----|----|
|            | (kW)          | (HP) |          |     |     |     |     |     |     |    |
| CDL65-10-1 | 4.0           | 5.5  | H (m)    | 19  | 18  | 16  | 14  | 13  | 11  | 8  |
| CDL65-10   | 5.5           | 7.5  |          | 27  | 25  | 23  | 21  | 20  | 18  | 15 |
| CDL65-20-2 | 7.5           | 10   |          | 39  | 36  | 33  | 29  | 26  | 23  | 17 |
| CDL65-20-1 | 11            | 15   |          | 46  | 44  | 40  | 36  | 33  | 30  | 24 |
| CDL65-20   | 11            | 15   |          | 53  | 51  | 47  | 43  | 40  | 37  | 30 |
| CDL65-30-2 | 15            | 20   |          | 66  | 62  | 56  | 50  | 46  | 41  | 32 |
| CDL65-30-1 | 15            | 20   |          | 73  | 69  | 63  | 57  | 53  | 48  | 39 |
| CDL65-30   | 18.5          | 25   |          | 80  | 76  | 70  | 64  | 60  | 55  | 46 |
| CDL65-40-2 | 18.5          | 25   |          | 92  | 87  | 80  | 71  | 66  | 60  | 47 |
| CDL65-40-1 | 22            | 30   |          | 100 | 94  | 87  | 78  | 73  | 67  | 54 |
| CDL65-40   | 22            | 30   |          | 107 | 101 | 94  | 85  | 80  | 74  | 61 |
| CDL65-50-2 | 30            | 40   |          | 121 | 114 | 105 | 95  | 88  | 80  | 64 |
| CDL65-50-1 | 30            | 40   |          | 128 | 121 | 112 | 102 | 95  | 87  | 71 |
| CDL65-50   | 30            | 40   |          | 136 | 129 | 119 | 109 | 102 | 94  | 78 |
| CDL65-60-2 | 30            | 40   |          | 150 | 142 | 131 | 118 | 110 | 101 | 81 |
| CDL65-60-1 | 37            | 50   |          | 157 | 149 | 138 | 125 | 117 | 108 | 88 |
| CDL65-60   | 37            | 50   | 164      | 156 | 145 | 132 | 124 | 115 | 95  |    |
| CDL65-70-2 | 37            | 50   | 179      | 169 | 156 | 141 | 132 | 121 | 99  |    |
| CDL65-70-1 | 37            | 50   | 186      | 176 | 163 | 148 | 139 | 128 | 106 |    |
| CDL65-70   | 45            | 60   | 193      | 183 | 170 | 155 | 146 | 135 | 112 |    |
| CDL65-80-2 | 45            | 60   | 207      | 196 | 182 | 164 | 154 | 142 | 116 |    |
| CDL65-80-1 | 45            | 60   | 215      | 203 | 189 | 171 | 161 | 149 | 123 |    |

**CDL42 Performance Table**

| Model       | Driving motor |      | Q (m³/h) | 25  | 30  | 35  | 40  | 42  | 45  | 50  | 55  |
|-------------|---------------|------|----------|-----|-----|-----|-----|-----|-----|-----|-----|
|             | (kW)          | (HP) |          |     |     |     |     |     |     |     |     |
| CDL42-10-1  | 3.0           | 4    | H (m)    | 20  | 19  | 18  | 17  | 16  | 15  | 13  | 11  |
| CDL42-10    | 4.0           | 5.5  |          | 24  | 23  | 22  | 21  | 20  | 19  | 18  | 16  |
| CDL42-20-2  | 5.5           | 7.5  |          | 40  | 38  | 36  | 33  | 32  | 30  | 27  | 23  |
| CDL42-20    | 7.5           | 10   |          | 48  | 46  | 44  | 42  | 41  | 39  | 35  | 31  |
| CDL42-30-2  | 11            | 15   |          | 63  | 61  | 58  | 54  | 52  | 50  | 44  | 38  |
| CDL42-30    | 11            | 15   |          | 71  | 69  | 66  | 63  | 61  | 58  | 53  | 47  |
| CDL42-40-2  | 15            | 20   |          | 87  | 84  | 80  | 75  | 73  | 69  | 62  | 54  |
| CDL42-40    | 15            | 20   |          | 95  | 92  | 88  | 84  | 81  | 78  | 71  | 62  |
| CDL42-50-2  | 18.5          | 25   |          | 111 | 107 | 102 | 96  | 93  | 88  | 80  | 69  |
| CDL42-50    | 18.5          | 25   |          | 119 | 115 | 110 | 105 | 101 | 97  | 88  | 78  |
| CDL42-60-2  | 22            | 30   |          | 135 | 130 | 124 | 117 | 113 | 108 | 97  | 85  |
| CDL42-60    | 22            | 30   |          | 143 | 138 | 132 | 125 | 122 | 116 | 106 | 93  |
| CDL42-70-2  | 30            | 40   |          | 158 | 152 | 146 | 138 | 134 | 127 | 115 | 100 |
| CDL42-70    | 30            | 40   |          | 166 | 161 | 154 | 146 | 142 | 135 | 124 | 109 |
| CDL42-80-2  | 30            | 40   |          | 182 | 175 | 168 | 159 | 154 | 146 | 133 | 116 |
| CDL42-80    | 30            | 40   |          | 190 | 184 | 176 | 167 | 162 | 154 | 141 | 124 |
| CDL42-90-2  | 30            | 40   | 205      | 198 | 190 | 180 | 174 | 166 | 150 | 132 |     |
| CDL42-90    | 37            | 50   | 214      | 207 | 198 | 188 | 183 | 174 | 159 | 140 |     |
| CDL42-100-2 | 37            | 50   | 230      | 221 | 212 | 200 | 194 | 185 | 168 | 147 |     |
| CDL42-100   | 37            | 50   | 238      | 230 | 220 | 209 | 203 | 193 | 177 | 155 |     |
| CDL42-110-2 | 45            | 60   | 255      | 246 | 236 | 223 | 217 | 206 | 188 | 165 |     |
| CDL42-110   | 45            | 60   | 263      | 255 | 244 | 232 | 225 | 214 | 196 | 173 |     |
| CDL42-120-2 | 45            | 60   | 280      | 270 | 259 | 245 | 238 | 226 | 206 | 181 |     |
| CDL42-120   | 45            | 60   | 289      | 280 | 268 | 255 | 247 | 236 | 216 | 190 |     |
| CDL42-130-2 | 45            | 60   | 305      | 294 | 282 | 267 | 259 | 247 | 225 | 198 |     |

**CDL85 Performance Table**

| Model      | Driving motor |      | Q (m³/h) | 50  | 60  | 70  | 80  | 85  | 90  | 100 | 110 |
|------------|---------------|------|----------|-----|-----|-----|-----|-----|-----|-----|-----|
|            | (kW)          | (HP) |          |     |     |     |     |     |     |     |     |
| CDL85-10-1 | 5.5           | 7.5  | H (m)    | 22  | 19  | 17  | 16  | 14  | 13  | 10  | 6   |
| CDL85-10   | 7.5           | 10   |          | 25  | 24  | 22  | 21  | 20  | 19  | 16  | 12  |
| CDL85-20-2 | 11            | 15   |          | 41  | 39  | 36  | 32  | 30  | 28  | 22  | 15  |
| CDL85-20   | 15            | 20   |          | 53  | 50  | 47  | 44  | 41  | 40  | 36  | 30  |
| CDL85-30-2 | 18.5          | 25   |          | 68  | 65  | 60  | 55  | 52  | 49  | 41  | 32  |
| CDL85-30   | 22            | 30   |          | 81  | 77  | 72  | 67  | 64  | 62  | 55  | 48  |
| CDL85-40-2 | 30            | 40   |          | 98  | 93  | 87  | 80  | 75  | 72  | 62  | 50  |
| CDL85-40   | 30            | 40   |          | 110 | 105 | 100 | 92  | 86  | 84  | 76  | 66  |
| CDL85-50-2 | 37            | 50   |          | 126 | 120 | 113 | 104 | 98  | 93  | 81  | 68  |
| CDL85-50   | 37            | 50   |          | 139 | 131 | 124 | 115 | 110 | 106 | 94  | 83  |
| CDL85-60-2 | 45            | 60   | 155      | 148 | 139 | 129 | 122 | 117 | 102 | 86  |     |
| CDL85-60   | 45            | 60   | 168      | 160 | 150 | 141 | 134 | 130 | 117 | 103 |     |



**CDL120 Performance Table**

| Model       | Driving motor |      | Q (m³/h) | H (m) |       |       |       |       |       |       |       |       |       |
|-------------|---------------|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | (kW)          | (HP) |          | 60    | 70    | 80    | 90    | 100   | 110   | 120   | 130   | 140   | 150   |
| CDL120-10   | 11            | 15   |          | 22    | 21.8  | 21.6  | 21    | 20.5  | 19.5  | 18.5  | 17    | 16    | 15    |
| CDL120-20-2 | 15            | 20   |          | 34    | 33.6  | 33    | 31    | 30.2  | 30    | 28.5  | 27    | 25    | 24    |
| CDL120-20-1 | 18.5          | 25   |          | 41    | 40    | 39.5  | 38.5  | 37    | 36.5  | 34.5  | 32.5  | 30    | 27.5  |
| CDL120-20   | 22            | 30   |          | 46    | 45    | 44.5  | 43.5  | 42.4  | 41    | 40    | 38    | 36    | 33.5  |
| CDL120-30-2 | 30            | 40   |          | 57    | 56    | 55    | 53.5  | 52    | 51    | 49    | 46.5  | 43.5  | 41    |
| CDL120-30-1 | 30            | 40   |          | 64    | 63    | 62    | 60    | 58.5  | 57.5  | 55.5  | 52    | 49    | 46    |
| CDL120-30   | 30            | 40   |          | 69.5  | 68.5  | 67.5  | 66    | 64.4  | 62.5  | 61    | 57.5  | 54.5  | 51    |
| CDL120-40-2 | 37            | 50   |          | 80.5  | 79    | 78    | 76    | 73.5  | 72    | 69    | 66    | 61.5  | 58    |
| CDL120-40-1 | 37            | 50   |          | 87    | 86    | 84.5  | 82    | 80    | 78    | 76    | 72    | 68    | 64.5  |
| CDL120-40   | 45            | 60   |          | 92.5  | 91    | 90    | 88    | 85.5  | 83    | 81    | 77    | 73    | 68.5  |
| CDL120-50-2 | 45            | 60   |          | 104.5 | 103   | 101   | 99    | 96    | 93    | 90    | 85.5  | 80.5  | 75.5  |
| CDL120-50-1 | 45            | 60   |          | 110.5 | 109   | 107.5 | 105   | 102   | 100   | 97    | 92    | 86.5  | 83    |
| CDL120-50   | 55            | 75   |          | 115.5 | 114   | 113   | 110   | 107.5 | 104.5 | 101.5 | 96    | 91    | 86    |
| CDL120-60-2 | 55            | 75   |          | 128   | 125.5 | 123   | 121   | 117.3 | 113.5 | 110   | 104.5 | 98.5  | 92.5  |
| CDL120-60-1 | 55            | 75   |          | 134   | 132   | 130.5 | 127   | 124   | 121   | 118   | 111   | 105   | 100   |
| CDL120-60   | 75            | 100  |          | 139   | 137   | 135   | 132   | 128.8 | 126   | 123   | 116   | 110   | 104   |
| CDL120-70-2 | 75            | 100  |          | 151   | 148   | 145.5 | 143   | 138.6 | 134   | 130   | 123.5 | 116.5 | 109   |
| CDL120-70-1 | 75            | 100  |          | 156.5 | 154   | 152   | 148.5 | 144.5 | 141   | 137.5 | 130   | 123   | 116.5 |
| CDL120-70   | 75            | 100  |          | 162.5 | 160.5 | 158.5 | 155   | 151   | 148   | 145   | 137   | 129   | 123   |

**CDL200 Performance Table**

| Model         | Driving motor |      | Q (m³/h) | H (m) |       |       |       |       |     |       |       |  |  |
|---------------|---------------|------|----------|-------|-------|-------|-------|-------|-----|-------|-------|--|--|
|               | (kW)          | (HP) |          | 100   | 120   | 140   | 160   | 180   | 200 | 220   | 240   |  |  |
| CDL200-10-B   | 18.5          | 25   |          | 25.5  | 25    | 24    | 23    | 21.5  | 20  | 18    | 15.5  |  |  |
| CDL200-10-A   | 22            | 30   |          | 29    | 28.5  | 27.5  | 26.5  | 25.5  | 24  | 22    | 20    |  |  |
| CDL200-10     | 30            | 40   |          | 38.5  | 38    | 37.5  | 36.5  | 35    | 34  | 32.5  | 30    |  |  |
| CDL200-20-2B  | 37            | 50   |          | 53    | 51    | 49    | 47    | 44    | 41  | 37    | 32    |  |  |
| CDL200-20-2A  | 45            | 60   |          | 59.5  | 58    | 56    | 54    | 52.5  | 49  | 44.5  | 40.5  |  |  |
| CDL200-20-A   | 55            | 75   |          | 69    | 68    | 66    | 64    | 62    | 59  | 55.5  | 51    |  |  |
| CDL200-20     | 55            | 75   |          | 78.5  | 77.5  | 76    | 74    | 71.5  | 69  | 66    | 61.5  |  |  |
| CDL200-30-2B  | 75            | 100  |          | 91.5  | 89    | 86.5  | 83.5  | 79    | 75  | 70    | 63    |  |  |
| CDL200-30-A-B | 75            | 100  |          | 95    | 93    | 90    | 87    | 83.5  | 79  | 73.5  | 67    |  |  |
| CDL200-30-2A  | 75            | 100  |          | 99.5  | 97.5  | 94.5  | 91.5  | 89    | 84  | 78.5  | 72    |  |  |
| CDL200-30-B   | 75            | 100  |          | 104.5 | 102.5 | 100   | 97    | 93    | 89  | 84.5  | 77.5  |  |  |
| CDL200-30-A   | 75            | 100  |          | 108   | 106   | 103.5 | 100.5 | 97.5  | 93  | 88    | 81.5  |  |  |
| CDL200-30     | 90            | 120  |          | 117.5 | 116   | 113.5 | 110.5 | 107   | 103 | 99    | 92    |  |  |
| CDL200-40-2B  | 90            | 120  |          | 131.5 | 129   | 125.5 | 121   | 115.5 | 110 | 103.5 | 94    |  |  |
| CDL200-40-2A  | 110           | 150  |          | 138.5 | 136   | 132   | 128   | 124   | 118 | 111   | 102.5 |  |  |
| CDL200-40-A   | 110           | 150  |          | 148   | 145.5 | 142.5 | 138   | 134   | 128 | 122   | 113   |  |  |
| CDL200-40     | 110           | 150  |          | 157.5 | 155.5 | 152.5 | 148   | 143.5 | 138 | 132.5 | 123.5 |  |  |

**CDL150 Performance Table**

| Model       | Driving motor |      | Q (m³/h) | H (m) |       |       |       |       |       |       |       |       |       |      |
|-------------|---------------|------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|             | (kW)          | (HP) |          | 80    | 90    | 100   | 110   | 120   | 130   | 140   | 150   | 160   | 170   | 180  |
| CDL150-10-1 | 11            | 15   |          | 18.3  | 17.8  | 17.3  | 17    | 16    | 15    | 14    | 12.5  | 11    | 10    | 8.5  |
| CDL150-10   | 15            | 20   |          | 24    | 23    | 22.5  | 22    | 21.5  | 20.5  | 20    | 18.5  | 17    | 16    | 15   |
| CDL150-20-2 | 18.5          | 25   |          | 37    | 35.5  | 34    | 33    | 32    | 31    | 29    | 27.5  | 26    | 23    | 21   |
| CDL150-20-1 | 22            | 30   |          | 44.3  | 43    | 42    | 40    | 39    | 38.5  | 37.5  | 35    | 33    | 30    | 27   |
| CDL150-20   | 30            | 40   |          | 50    | 49    | 48    | 47    | 45.5  | 44    | 42    | 40    | 37    | 34    | 32   |
| CDL150-30-2 | 30            | 40   |          | 63.5  | 61    | 59    | 57.5  | 56    | 54.5  | 53    | 49    | 45.5  | 42    | 39   |
| CDL150-30-1 | 37            | 50   |          | 70    | 68    | 67    | 65    | 63    | 62    | 60    | 56    | 53    | 49    | 45   |
| CDL150-30   | 37            | 50   |          | 78    | 76.5  | 75    | 73    | 70.5  | 68    | 66    | 63    | 59    | 55    | 50.5 |
| CDL150-40-2 | 45            | 60   |          | 89    | 87    | 84    | 81.5  | 79    | 77    | 74.5  | 70.5  | 65.5  | 60    | 56   |
| CDL150-40-1 | 45            | 60   |          | 96.5  | 94    | 91.5  | 89    | 86.5  | 84    | 81.5  | 77    | 72.5  | 67    | 62   |
| CDL150-40   | 55            | 75   |          | 104   | 102   | 100   | 97    | 95    | 91    | 88    | 84    | 79.5  | 74    | 68   |
| CDL150-50-2 | 55            | 75   |          | 115.5 | 112   | 109   | 106   | 102.5 | 100   | 97    | 92    | 86    | 79    | 73.5 |
| CDL150-50-1 | 75            | 100  |          | 122.5 | 119.5 | 117   | 113.5 | 111.5 | 107.5 | 104.5 | 99    | 93.5  | 87    | 80   |
| CDL150-50   | 75            | 100  |          | 130   | 127.5 | 125   | 121   | 119   | 115   | 111.5 | 106.5 | 101   | 94.5  | 86.5 |
| CDL150-60-2 | 75            | 100  |          | 140   | 137   | 133   | 130   | 126   | 121   | 118   | 112   | 106   | 98    | 91   |
| CDL150-60-1 | 75            | 100  |          | 148.5 | 145   | 141.7 | 137.5 | 135   | 131   | 127   | 120.5 | 114.5 | 106.5 | 97.5 |
| CDL150-60   | 75            | 100  |          | 157   | 153   | 149   | 145   | 142   | 139.5 | 137   | 130   | 123.5 | 116   | 109  |