

GRUNDFOS ENGINEERED SYSTEMS – KPVS PACKAGE

(Vertical Split-coupled Split Case Pumps)

BASE PACKAGE INCLUDES:

- PACO KPVS PUMPS
- SUCTION DIFFUSER WITH BUTTERFLY ISOLATION VALVE ON SUCTION SIDE
- CHECK VALVE WITH BUTTERFLY ISOLATION VALVE ON DISCHARGE SIDE
- FABRICATED CARBON STEEL SCH 40 BRANCHES AND HEADERS
- FABRICATED STRUCTURAL STEEL SKID BASE
- INTEGRATED CONTROL & POWER PANEL WITH VFD'S

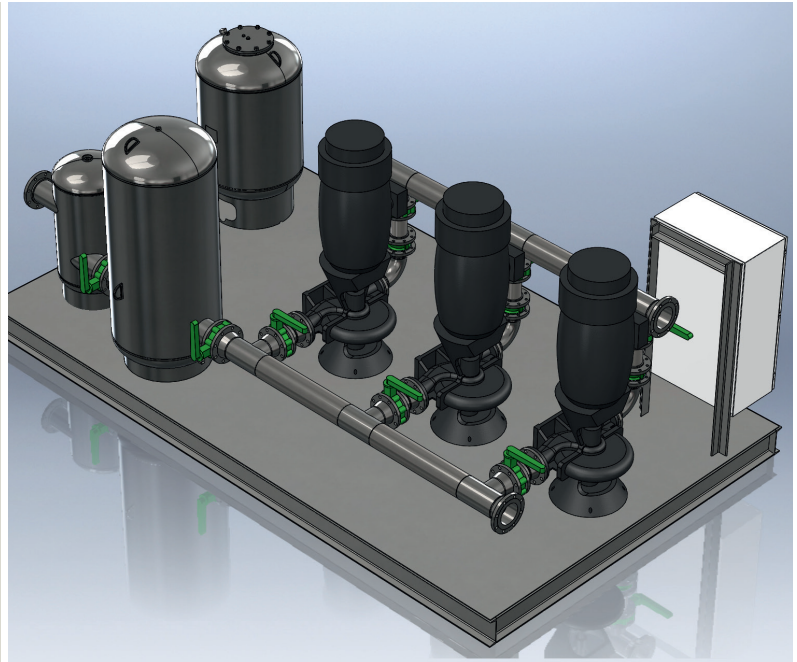
BASE + ACCESSORY PACKAGE INCLUDES ALL THINGS LISTED IN THE BASE PACKAGE PLUS:

- AIR SEPARATOR
- EXPANSION TANK
- CHEMICAL POT FEEDER

BASE + ACCESSORY + BUFFER TANK PACKAGE INCLUDES ALL THINGS LISTED IN THE BASE + ACCESSORY PACKAGE PLUS:

- BUFFER TANK WITH BUTTERFLY ISOLATION VALVE ON INLET AND OUTLET OF BUFFER TANK

*Other options available on request



DUPLEX

| SYSTEM FLOW USGPM | SYSTEM HEAD FT | CASING SIZE | MAX MOTOR HP | 208V MAX FLA | 460V MAX FLA | BASE PACKAGE | | | | BASE+ACCESSORY PACKAGE | | | | | BASE+ACCESSORY+BUFFER TANK PACKAGE | | | | | HEADER SIZE NPS |
|--------------------------|----------------------|----------------|--------------------|--------------------|--------------------|--------------|-------------|--------------|---------------|------------------------|-------------|--------------|--------------|---|------------------------------------|-------------|--------------|---------------|-----------------------------------|-----------------------|
| | | | | | | LENGTH IN | WIDTH IN | HEIGHT IN | WEIGHT LBS | LENGTH IN | WIDTH IN | HEIGHT IN | WEIGHT IN | EXPANSION TANK CAPACITY US GAL | LENGTH IN | WIDTH IN | HEIGHT IN | WEIGHT LBS | BUFFER TANK CAPACITY US GAL | |
| 250 125 (1+1 SPARE) | 50-95 | 2095-1/2 | 10 | 30.8 | 14 | 57 | 82 | 89 | 2500 | 79 | 82 | 91 | 2800 | 35 | 119 | 94 | 91 | 3300 | 120 | 4 |
| 500 250 (1+1 SPARE) | 50-95 | 3095-7/8 | 15 | 46.2 | 21 | 60 | 85 | 94 | 3100 | 81 | 85 | 96 | 3800 | 211 | 134 | 103 | 96 | 4700 | 300 | 5 |
| | 95-175 | 2013-5/6 | 25 | 74.8 | 34 | 54 | 90 | 86 | 3600 | 75 | 90 | 88 | 4300 | 211 | 128 | 108 | 92 | 5200 | 300 | |
| 750 375 (1+1 SPARE) | 175-200 | 2095-1/2 | 25 | 74.8 | 34 | 60 | 87 | 89 | 3600 | 81 | 87 | 91 | 4300 | 211 | 134 | 105 | 92 | 5200 | 300 | 6 |
| | 50-100 | 4012-1/2 | 25 | 74.8 | 34 | 61 | 92 | 96 | 3800 | 89 | 92 | 98 | 4400 | 158 | 141 | 110 | 98 | 5300 | 300 | |
| 1000 500 (1+1 SPARE) | 100-200 | 3014-7/8 | 50 | 143 | 65 | 61 | 90 | 97 | 4400 | 89 | 90 | 99 | 5000 | 158 | 141 | 108 | 99 | 5900 | 300 | 8 |
| | 50-115 | 4012-1/2 | 25 | 74.8 | 34 | 65 | 94 | 96 | 4600 | 93 | 94 | 98 | 5300 | 158 | 146 | 112 | 98 | 6200 | 300 | |
| 1250 625 (1+1 SPARE) | 115-200 | 3014-7/8 | 50 | 143 | 65 | 65 | 105 | 97 | 5200 | 93 | 105 | 99 | 5900 | 158 | 146 | 123 | 99 | 6800 | 300 | 10 |
| | 50-145 | 4012-7/8 | 50 | 143 | 65 | 65 | 110 | 96 | 5200 | 93 | 110 | 98 | 6100 | 264 | 152 | 131 | 110 | 7500 | 500 | |
| 1500 750 (1+1 SPARE) | 145-200 | 4015-9/0 | 75 | 211 | 96 | 71 | 120 | 107 | 6100 | 102 | 120 | 109 | 7000 | 264 | 158 | 141 | 110 | 8400 | 500 | 12 |
| | 50-140 | 4012-7/8 | 50 | 143 | 65 | 65 | 110 | 96 | 5200 | 93 | 110 | 107 | 6200 | 370 | 152 | 131 | 110 | 7600 | 500 | |
| 2000 1000 (1+1 SPARE) | 140-200 | 4015-9/0 | 75 | 211 | 96 | 71 | 120 | 107 | 6100 | 102 | 120 | 109 | 7100 | 370 | 158 | 141 | 110 | 8500 | 500 | 14 |
| | 50-150 | 5012-7/8 | 75 | 211 | 96 | 74 | 128 | 101 | 6900 | 115 | 128 | 107 | 8200 | 370 | 174 | 149 | 110 | 9600 | 500 | |
| 2500 1250 (1+1 SPARE) | 150-200 | 4015-9/0 | 100 | 273 | 124 | 78 | 130 | 107 | 8100 | 115 | 130 | 109 | 9400 | 370 | 174 | 151 | 110 | 10800 | 500 | 16 |
| | 50-70 | 6012-3/4 | 40 | 114 | 52 | 78 | 118 | 107 | 6800 | 119 | 118 | 109 | 8200 | 370 | -- | -- | -- | -- | -- | |
| 3000 1500 (1+1 SPARE) | 70-140 | 5012-7/8 | 75 | 211 | 96 | 78 | 131 | 101 | 7900 | 119 | 131 | 107 | 9300 | 370 | -- | -- | -- | -- | -- | 12 |
| | 140-200 | 5015-9/0 | 125 | 343 | 156 | 78 | 134 | 115 | 10800 | 119 | 134 | 117 | 12200 | 370 | -- | -- | -- | -- | -- | |
| 3500 1750 (1+1 SPARE) | 50-90 | 6012-3/4 | 50 | 143 | 65 | 78 | 118 | 107 | 6900 | 119 | 118 | 109 | 8800 | 528 | -- | -- | -- | -- | -- | 14 |
| | 90-200 | 5015-9/0 | 125 | 343 | 156 | 78 | 134 | 115 | 10800 | 126 | 134 | 117 | 12700 | 528 | -- | -- | -- | -- | -- | |
| 4000 2000 (1+1 SPARE) | 50-140 | 6012-3/4 | 100 | 273 | 124 | 78 | 144 | 107 | 9100 | 126 | 144 | 130 | 11800 | 792 | -- | -- | -- | -- | -- | 16 |
| | 140-200 | 5015-9/0 | 125 | 343 | 156 | 78 | 142 | 115 | 10800 | 126 | 142 | 130 | 13500 | 792 | -- | -- | -- | -- | -- | |
| 4500 2250 (1+1 SPARE) | 50-135 | 6012-3/4 | 100 | 273 | 124 | 81 | 146 | 101 | 10100 | 127 | 146 | 110 | 12700 | 660 | -- | -- | -- | -- | -- | 14 |
| | 135-200 | 5015-9/0 | 150 | 396 | 180 | 81 | 144 | 115 | 12300 | 127 | 144 | 117 | 14900 | 660 | -- | -- | -- | -- | -- | |
| 5000 2500 (1+1 SPARE) | 50-80 | 8012-5/6 | 60 | 169 | 77 | 83 | 131 | 121 | 9800 | 143 | 131 | 130 | 13900 | 792 | -- | -- | -- | -- | -- | 16 |
| | 80-125 | 6012-3/4 | 100 | 273 | 124 | 83 | 148 | 107 | 11100 | 143 | 148 | 130 | 15200 | 792 | -- | -- | -- | -- | -- | |
| 5000 2500 (1+1 SPARE) | 125-200 | 8015-3/4 | 250 | -- | 302 | 89 | 142 | 130 | 15700 | 149 | 142 | 132 | 19800 | 792 | -- | -- | -- | -- | -- | 16 |
| | 50-135 | 8012-5/6 | 125 | 343 | 156 | 83 | 159 | 121 | 12800 | 143 | 159 | 130 | 16900 | 792 | -- | -- | -- | -- | -- | |
| 2500 (1+1 SPARE) | 135-200 | 8015-3/4 | 250 | -- | 302 | 89 | 164 | 130 | 15700 | 149 | 164 | 132 | 19800 | 792 | -- | -- | -- | -- | -- | |

* All Dimensions and Weights are Estimates and For Reference Only. Contact Grundfos Commercial Systems Sales for Additional Information.

GRUNDFOS ENGINEERED SYSTEMS – KPVS PACKAGE

(Vertical Split-coupled Split Case Pumps)

| TRIPLEX | | | | | | | | | | | | | | | | | | | | |
|--------------------------|----------------|-------------|--------------|--------------|--------------|--------------|----------|-----------|------------|------------------------|----------|-----------|-----------|--------------------------------|------------------------------------|----------|-----------|------------|-----------------------------|-----------------|
| SYSTEM FLOW USGPM | SYSTEM HEAD FT | CASING SIZE | MAX MOTOR HP | 208V MAX FLA | 460V MAX FLA | BASE PACKAGE | | | | BASE+ACCESSORY PACKAGE | | | | | BASE+ACCESSORY+BUFFER TANK PACKAGE | | | | | HEADER SIZE NPS |
| | | | | | | LENGTH IN | WIDTH IN | HEIGHT IN | WEIGHT LBS | LENGTH IN | WIDTH IN | HEIGHT IN | WEIGHT IN | EXPANSION TANK CAPACITY US GAL | LENGTH IN | WIDTH IN | HEIGHT IN | WEIGHT LBS | BUFFER TANK CAPACITY US GAL | |
| 500 333 (2+1 SPARE) | 50-90 | 2095-1/2 | 10 | 30.8 | 14 | 96 | 83 | 89 | 5000 | 117 | 83 | 91 | 5700 | 211 | 170 | 101 | 92 | 6600 | 300 | 5 |
| | 90-180 | 2013-5/6 | 25 | 74.8 | 34 | 84 | 88 | 86 | 6000 | 105 | 88 | 88 | 6700 | 211 | 158 | 106 | 92 | 7600 | 300 | |
| 750 500 (2+1 SPARE) | 50-95 | 3095-7/8 | 15 | 46.2 | 21 | 97 | 88 | 94 | 5700 | 125 | 88 | 96 | 6300 | 158 | 177 | 106 | 96 | 7200 | 300 | 6 |
| | 95-175 | 2013-5/6 | 25 | 74.8 | 34 | 85 | 93 | 86 | 5900 | 113 | 93 | 88 | 6500 | 158 | 165 | 111 | 92 | 7400 | 300 | |
| 1000 666 (2+1 SPARE) | 175-200 | 2095-1/2 | 25 | 74.8 | 34 | 97 | 90 | 89 | 5900 | 125 | 90 | 91 | 6500 | 158 | 177 | 108 | 92 | 7400 | 300 | 8 |
| | 50-90 | 3095-7/8 | 15 | 46.2 | 21 | 101 | 90 | 94 | 6800 | 129 | 90 | 96 | 7500 | 158 | 182 | 108 | 96 | 8400 | 300 | |
| | 90-120 | 4012-1/2 | 25 | 74.8 | 34 | 101 | 96 | 96 | 7700 | 129 | 96 | 98 | 8400 | 158 | 182 | 114 | 98 | 9300 | 300 | |
| | 120-165 | 2013-5/6 | 25 | 74.8 | 34 | 89 | 96 | 86 | 7700 | 117 | 96 | 88 | 8400 | 158 | 170 | 114 | 92 | 9300 | 300 | |
| 1250 833 (2+1 SPARE) | 165-200 | 2095-1/2 | 30 | 88 | 40 | 101 | 93 | 89 | 7300 | 129 | 93 | 91 | 8000 | 158 | 182 | 111 | 92 | 8900 | 300 | 10 |
| | 50-120 | 4012-1/2 | 30 | 88 | 40 | 101 | 96 | 96 | 7300 | 129 | 96 | 98 | 8200 | 264 | 188 | 117 | 110 | 9600 | 500 | |
| 1500 1000 (2+1 SPARE) | 120-200 | 2013-7/8 | 50 | 143 | 65 | 101 | 105 | 97 | 7900 | 129 | 105 | 99 | 8800 | 264 | 188 | 126 | 110 | 10200 | 500 | 12 |
| | 50-115 | 4012-1/2 | 25 | 74.8 | 34 | 101 | 96 | 96 | 7700 | 129 | 96 | 107 | 8700 | 370 | 188 | 117 | 110 | 10100 | 500 | |
| 2000 1333 (2+1 SPARE) | 115-200 | 3014-7/8 | 50 | 143 | 65 | 101 | 105 | 97 | 7900 | 129 | 105 | 107 | 8900 | 370 | 188 | 126 | 110 | 10300 | 500 | 14 |
| | 50-145 | 4012-7/8 | 50 | 143 | 65 | 104 | 113 | 96 | 9300 | 145 | 113 | 107 | 10600 | 370 | 204 | 134 | 110 | 12000 | 500 | |
| 2500 1666 (2+1 SPARE) | 145-200 | 3095-7/8 | 60 | 169 | 77 | 104 | 116 | 94 | 11100 | 145 | 116 | 107 | 12000 | 370 | 204 | 137 | 110 | 13400 | 500 | 16 |
| | 50-70 | 5012-7/8 | 25 | 74.8 | 34 | 120 | 107 | 101 | 11600 | 161 | 107 | 107 | 13000 | 370 | - | - | - | - | - | |
| 3000 2000 (2+1 SPARE) | 70-135 | 4012-7/8 | 50 | 143 | 65 | 108 | 116 | 96 | 12400 | 149 | 116 | 107 | 13800 | 370 | - | - | - | - | - | 12 |
| | 135-200 | 4015-9/0 | 75 | 211 | 96 | 120 | 126 | 107 | 12700 | 161 | 126 | 109 | 14100 | 370 | - | - | - | - | - | |
| 3500 2333 (2+1 SPARE) | 50-150 | 5012-7/8 | 75 | 211 | 96 | 120 | 131 | 101 | 12700 | 161 | 131 | 103 | 14600 | 528 | - | - | - | - | - | 10 |
| | 150-200 | 4015-9/0 | 100 | 273 | 124 | 120 | 133 | 107 | 14000 | 161 | 133 | 109 | 15900 | 528 | - | - | - | - | - | |
| 4000 2666 (2+1 SPARE) | 50-145 | 5012-7/8 | 75 | 211 | 96 | 120 | 131 | 101 | 12700 | 161 | 131 | 130 | 15400 | 792 | - | - | - | - | - | 8 |
| | 145-200 | 5015-9/0 | 125 | 343 | 156 | 123 | 134 | 115 | 17500 | 171 | 134 | 130 | 20200 | 792 | - | - | - | - | - | |
| 4500 3000 (2+1 SPARE) | 50-70 | 6012-3/4 | 40 | 114 | 52 | 123 | 120 | 108 | 14000 | 169 | 120 | 110 | 16600 | 660 | - | - | - | - | - | 14 |
| | 70-140 | 5012-7/8 | 75 | 211 | 96 | 123 | 133 | 101 | 15400 | 169 | 133 | 110 | 18000 | 660 | - | - | - | - | - | |
| 5000 3333 (2+1 SPARE) | 140-200 | 5015-9/0 | 125 | 343 | 156 | 123 | 136 | 115 | 17400 | 171 | 136 | 117 | 20000 | 660 | - | - | - | - | - | 16 |
| | 50-90 | 6012-3/4 | 50 | 143 | 65 | 125 | 122 | 108 | 15600 | 185 | 122 | 130 | 19700 | 792 | - | - | - | - | - | |
| 5000 3333 (2+1 SPARE) | 90-200 | 5015-9/0 | 125 | 343 | 156 | 125 | 138 | 115 | 19500 | 185 | 138 | 130 | 23600 | 792 | - | - | - | - | - | 14 |
| | 50-120 | 6012-3/4 | 75 | 211 | 96 | 125 | 148 | 108 | 17500 | 185 | 148 | 130 | 21600 | 792 | - | - | - | - | - | |
| 5000 3333 (2+1 SPARE) | 120-200 | 5015-9/0 | 125 | 343 | 156 | 125 | 146 | 115 | 19500 | 185 | 146 | 130 | 23600 | 792 | - | - | - | - | - | 16 |

| QUADPLEX | | | | | | | | | | | | | | | | | | | | |
|--------------------------|----------------|-------------|--------------|--------------|--------------|--------------|----------|-----------|------------|------------------------|----------|-----------|-----------|--------------------------------|------------------------------------|----------|-----------|------------|-----------------------------|-----------------|
| SYSTEM FLOW USGPM | SYSTEM HEAD FT | CASING SIZE | MAX MOTOR HP | 208V MAX FLA | 460V MAX FLA | BASE PACKAGE | | | | BASE+ACCESSORY PACKAGE | | | | | BASE+ACCESSORY+BUFFER TANK PACKAGE | | | | | HEADER SIZE NPS |
| | | | | | | LENGTH IN | WIDTH IN | HEIGHT IN | WEIGHT LBS | LENGTH IN | WIDTH IN | HEIGHT IN | WEIGHT IN | EXPANSION TANK CAPACITY US GAL | LENGTH IN | WIDTH IN | HEIGHT IN | WEIGHT LBS | BUFFER TANK CAPACITY US GAL | |
| 500 375 (3+1 SPARE) | 50-95 | 2095-1/2 | 10 | 30.8 | 14 | 132 | 85 | 89 | 7500 | 153 | 85 | 91 | 8200 | 211 | 206 | 103 | 92 | 9100 | 300 | 5 |
| | 90-180 | 2013-5/6 | 25 | 74.8 | 34 | 115 | 95 | 85 | 9200 | 143 | 95 | 87 | 9800 | 158 | 195 | 113 | 92 | 10700 | 300 | |
| 750 562 (3+1 SPARE) | 50-90 | 2095-1/2 | 10 | 30.8 | 14 | 133 | 86 | 89 | 8000 | 161 | 86 | 91 | 8600 | 158 | 213 | 104 | 92 | 9500 | 300 | 6 |
| | 90-180 | 2013-5/6 | 25 | 74.8 | 34 | 115 | 95 | 85 | 9200 | 143 | 95 | 87 | 9800 | 158 | 195 | 113 | 92 | 10700 | 300 | |
| 1000 750 (3+1 SPARE) | 50-95 | 3095-7/8 | 15 | 46.2 | 21 | 137 | 90 | 94 | 10400 | 165 | 90 | 96 | 11100 | 158 | 218 | 108 | 96 | 12000 | 300 | 8 |
| | 95-175 | 2013-5/6 | 25 | 74.8 | 34 | 119 | 102 | 86 | 11100 | 147 | 102 | 88 | 11800 | 158 | 200 | 120 | 92 | 12700 | 300 | |
| 1250 937 (3+1 SPARE) | 175-200 | 2095-1/2 | 25 | 74.8 | 34 | 137 | 99 | 89 | 11100 | 165 | 99 | 91 | 11800 | 158 | 218 | 117 | 92 | 12700 | 300 | 10 |
| | 50-90 | 3095-7/8 | 15 | 46.2 | 21 | 137 | 90 | 94 | 10400 | 165 | 90 | 96 | 11300 | 264 | 224 | 111 | 110 | 12700 | 500 | |
| | 90-165 | 2013-5/6 | 25 | 74.8 | 34 | 119 | 102 | 86 | 11100 | 147 | 102 | 88 | 12000 | 264 | 206 | 123 | 110 | 13400 | 500 | |
| | 165-200 | 2095-1/2 | 30 | 88 | 40 | 137 | 99 | 89 | 11100 | 165 | 99 | 91 | 12000 | 264 | 224 | 120 | 110 | 13400 | 500 | |
| 1500 1125 (3+1 SPARE) | 50-100 | 4012-1/2 | 25 | 74.8 | 34 | 137 | 102 | 96 | 11100 | 165 | 102 | 107 | 12100 | 370 | 224 | 123 | 110 | 13500 | 500 | 12 |
| | 100-200 | 3014-7/8 | 50 | 143 | 65 | 137 | 98 | 97 | 12500 | 165 | 98 | 107 | 13500 | 370 | 224 | 119 | 110 | 14900 | 500 | |
| 2000 1500 (3+1 SPARE) | 50-115 | 4012-1/2 | 25 | 74.8 | 34 | 140 | 105 | 96 | 14200 | 181 | 105 | 107 | 15500 | 370 | 240 | 126 | 110 | 16900 | 500 | 14 |
| | 115-200 | 3014-7/8 | 50 | 143 | 65 | 140 | 114 | 97 | 14600 | 181 | 114 | 107 | 15900 | 370 | 240 | 135 | 110 | 17300 | 500 | |
| 2500 1875 (3+1 SPARE) | 50-145 | 4012-7/8 | 50 | 143 | 65 | 144 | 122 | 96 | 18200 | 185 | 122 | 107 | 19600 | 370 | - | - | - | - | - | 16 |
| | 145-200 | 4015-9/0 | 75 | 211 | 96 | 162 | 126 | 107 | 19500 | 203 | 126 | 109 | 20900 | 370 | - | - | - | - | - | |
| 3000 2250 (3+1 SPARE) | 50-140 | 4012-7/8 | 50 | 143 | 65 | 144 | 122 | 96 | 18200 | 185 | 122 | 98 | 20100 | 528 | - | - | - | - | - | 12 |
| | 140-200 | 4015-9/0 | 75 | 211 | 96 | 162 | 126 | 107 | 19500 | 203 | 126 | 109 | 21400 | 528 | - | - | - | - | - | |
| 3500 2625 (3+1 SPARE) | 50-150 | 5012-7/8 | 75 | 211 | 96 | 162 | 113 | 106 | 19500 | 203 | 113 | 130 | 22200 | 792 | - | - | - | - | - | 14 |
| | 150-200 | 4015-9/0 | 75 | 211 | 96 | 162 | 126 | 107 | 19500 | 203 | 126 | 130 | 22200 | 792 | - | - | - | - | - | |
| 4000 3000 (3+1 SPARE) | 50-150 | 5012-7/8 | 75 | 211 | 96 | 165 | 133 | 106 | 22600 | 211 | 133 | 108 | 25200 | 660 | - | - | - | - | - | 16 |
| | 150-200 | 4015-9/0 | 100 | 273 | 124 | 165 | 135 | 107 | 25600 | 211 | 135 | 109 | 28200 | 660 | - | - | - | - | - | |
| 4500 3375 (3+1 SPARE) | 50-145 | 5012-7/8 | 75 | 211 | 96 | 167 | 135 | 106 | 26200 | 227 | 135 | 130 | 30300 | 792 | - | - | - | - | - | 14 |
| | 145-200 | 5015-9/0 | 125 | 343 | 156 | 167 | 138 | 115 | 32000 | 227 | 138 | 130 | 36100 | 792 | - | - | - | - | - | |
| 5000 3750 (3+1 SPARE) | 50-70 | 6012-3/4 | 40 | 114 | 52 | 167 | 128 | 108 | 25400 | 227 | 128 | 130 | 29500 | 792 | - | - | - | - | - | 16 |
| | 70-140 | 5012-7/8 | 75 | 211 | 96 | 167 | 135 | 106 | 26200 | 227 | 135 | 130 | 30300 | 792 | - | - | - | - | - | |
| 5000 3750 (3+1 SPARE) | 140-200 | 5015-9/0 | 125 | 343 | 156 | 167 | 138 | 115 | 32000 | 227 | 138 | 130 | 36100 | 792 | - | - | - | - | - | 14 |

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