



## CM 3

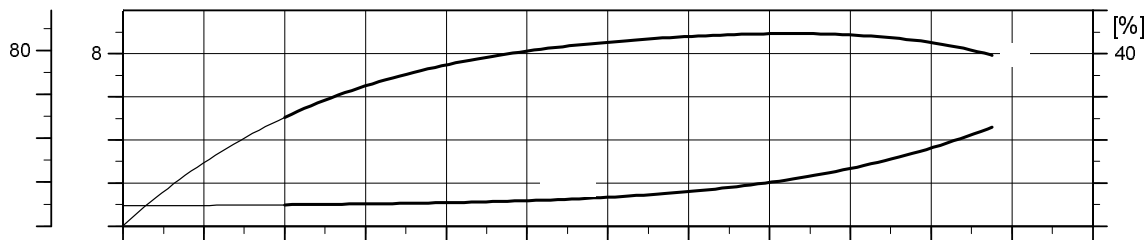
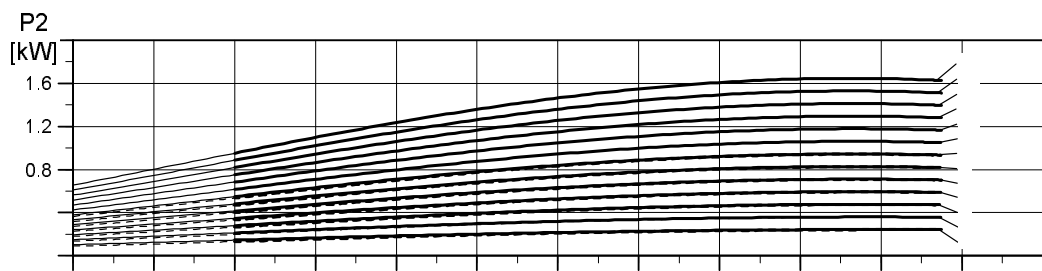
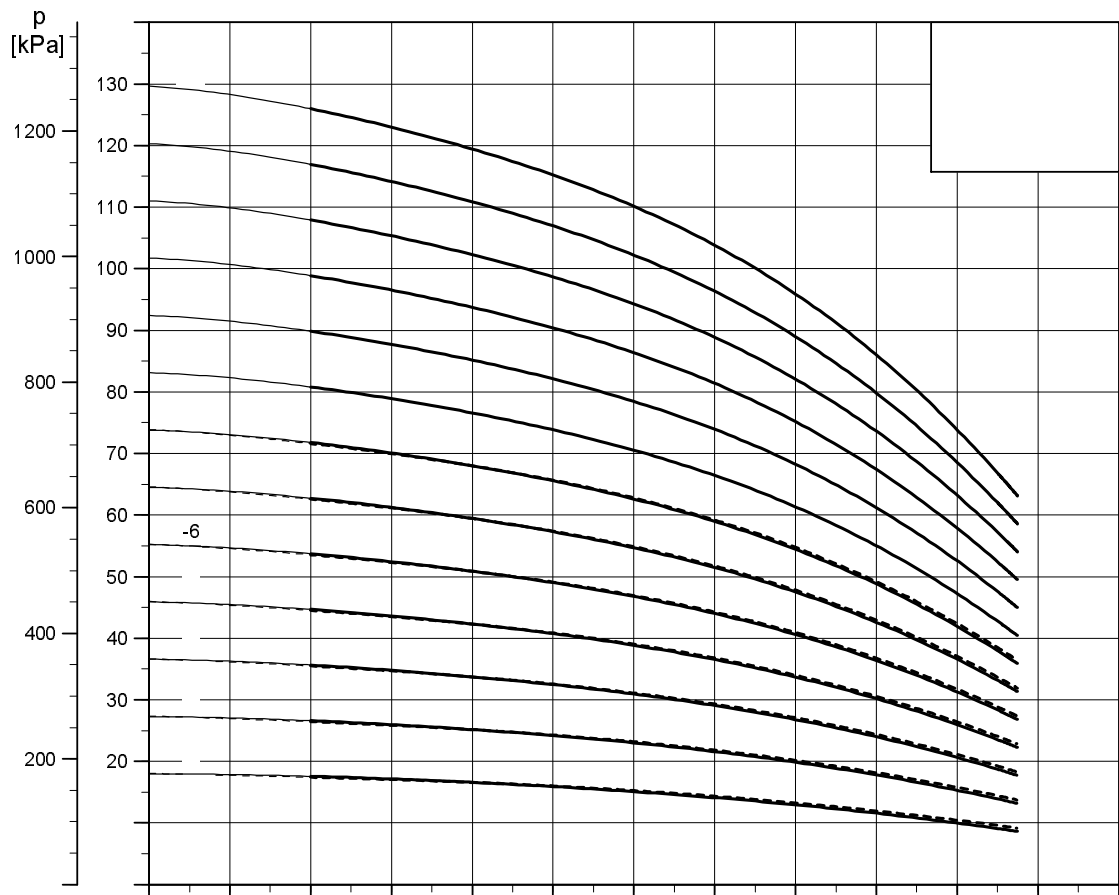
Horizontal, multistage centrifugal pumps  
50/60 Hz



# Performance curves, CM 50 Hz

CM 3  
50 Hz

## CM 3



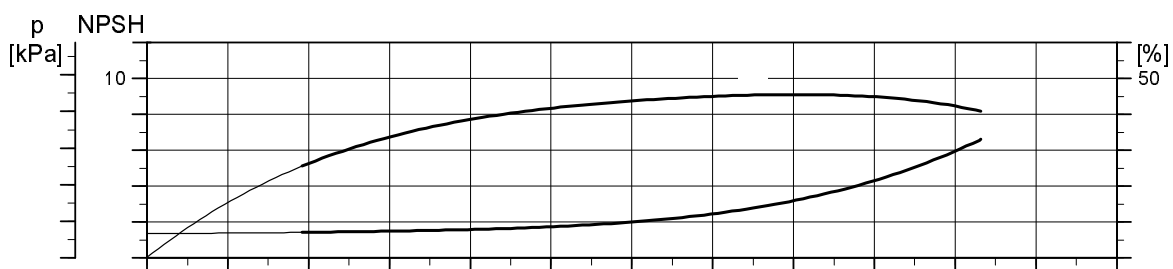
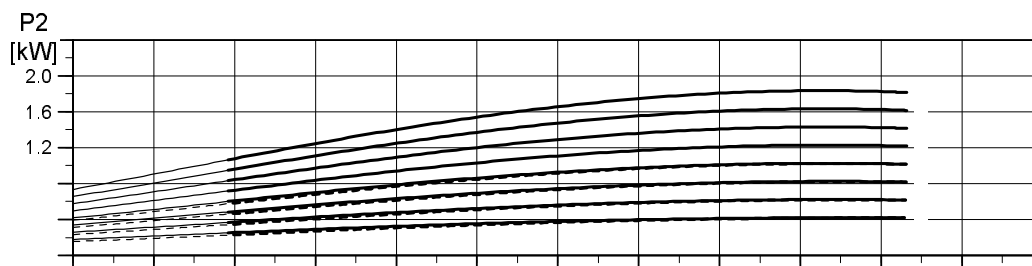
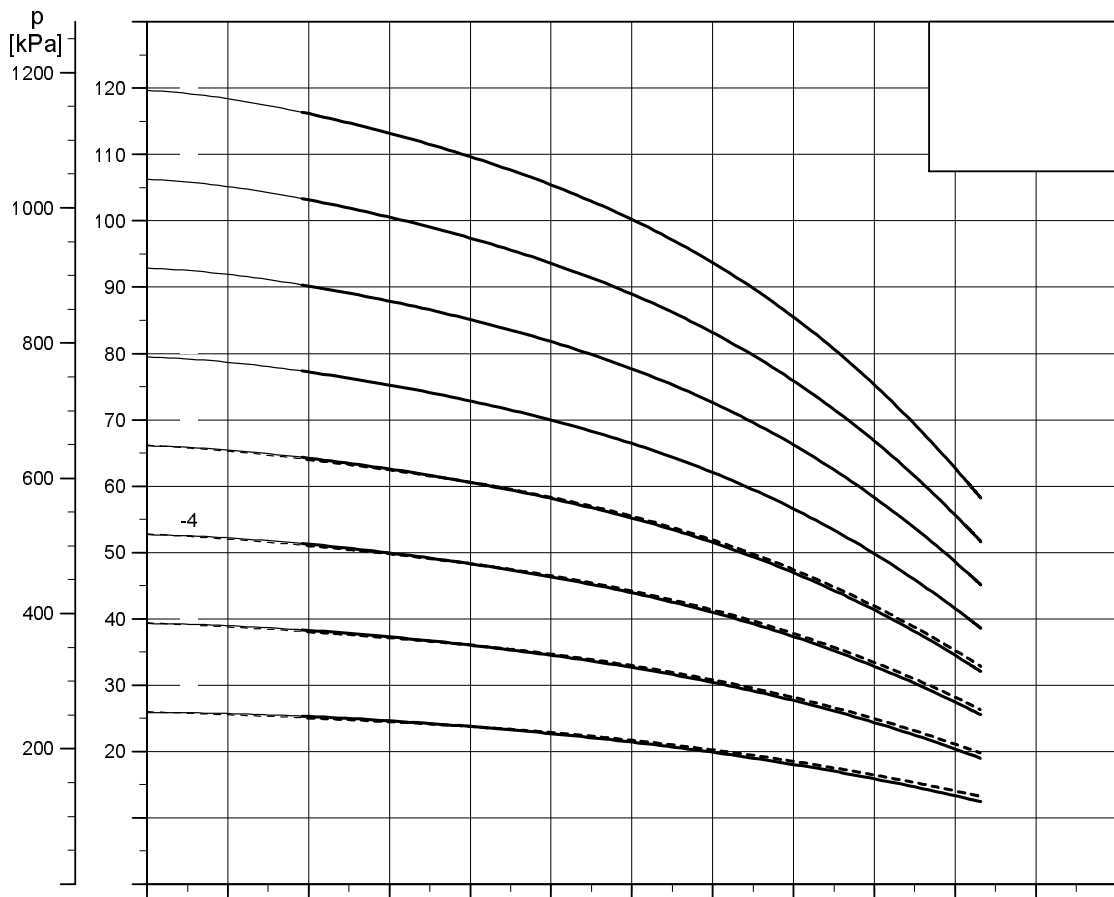
----- CM-A  
—— CM-I/G

TM04 3335 0210

# Performance curves, CM 60 Hz

CM 3  
60 Hz

## CM 3



----- CM-A  
———— CM-I/G

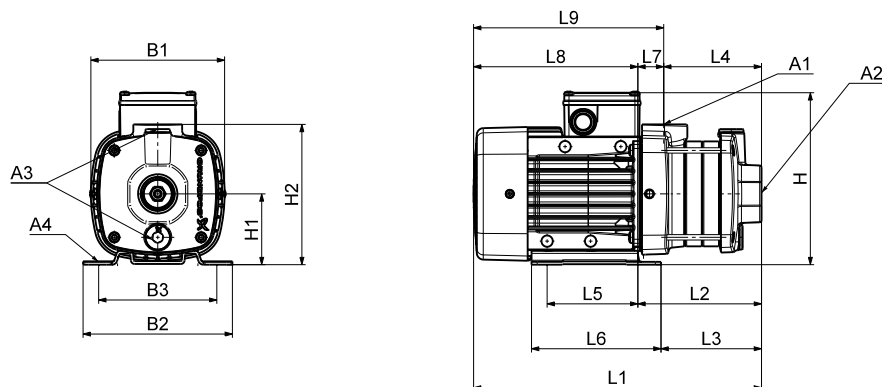
TM04 3371.0210

# Dimensions, CM 50 Hz

CM 3-A  
50 Hz

## CM 3-A

(A = cast iron, EN-GJL-200)



TM04 2248 2208

## Dimensions

3 x 220-240 V / 380-415 V, 50 Hz (supply voltage F)

| Pump type | Frame size | P <sub>2</sub> [kW] | Dimensions |      |        |    |     |     |     |     |    |     |     |     |     |     |    |     |    |     |     |
|-----------|------------|---------------------|------------|------|--------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|-----|----|-----|-----|
|           |            |                     | A1         | A2   | A3     | A4 | B1  | B2  | B3  | H   | H1 | H2  | L1  | L2  | L3  | L4  | L5 | L6  | L7 | L8  | L9  |
| CM3-2     | 71A        | 0.46                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 149 | 288 | 114 | 89  | 86  | 96 | 137 | 28 | 174 | 202 |
| CM3-3     | 71A        | 0.46                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 149 | 306 | 132 | 107 | 104 | 96 | 137 | 28 | 174 | 202 |
| CM3-4     | 71A        | 0.46                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 149 | 324 | 150 | 125 | 122 | 96 | 137 | 28 | 174 | 202 |
| CM3-5     | 71B        | 0.65                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 149 | 342 | 168 | 143 | 140 | 96 | 137 | 28 | 174 | 202 |
| CM3-6     | 71B        | 0.65                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 149 | 360 | 186 | 161 | 158 | 96 | 137 | 28 | 174 | 202 |
| CM3-7     | 80A        | 0.84                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 149 | 418 | 204 | 179 | 176 | 96 | 137 | 28 | 214 | 242 |
| CM3-8     | 80B        | 1.20                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 149 | 436 | 222 | 197 | 194 | 96 | 137 | 28 | 214 | 242 |

1 x 220-240 V, 50 Hz (supply voltage C)

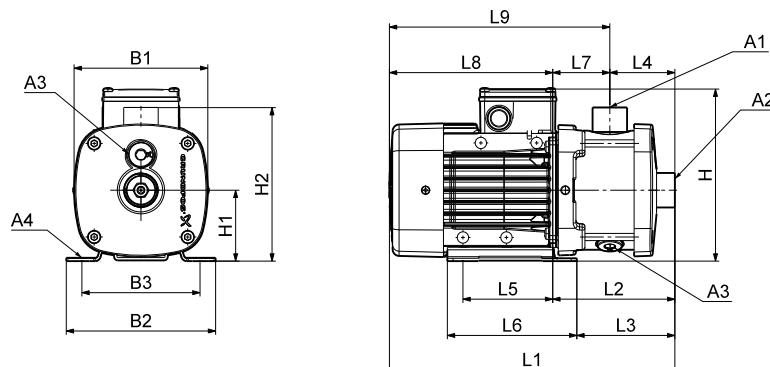
| Pump type | Frame size | P <sub>2</sub> [kW] | Dimensions |      |        |    |     |     |     |     |    |     |     |     |     |     |    |     |    |     |     |
|-----------|------------|---------------------|------------|------|--------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|-----|----|-----|-----|
|           |            |                     | A1         | A2   | A3     | A4 | B1  | B2  | B3  | H   | H1 | H2  | L1  | L2  | L3  | L4  | L5 | L6  | L7 | L8  | L9  |
| CM3-2     | 71A        | 0.3                 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 149 | 288 | 114 | 89  | 86  | 96 | 137 | 28 | 174 | 202 |
| CM3-3     | 71B        | 0.5                 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 149 | 306 | 132 | 107 | 104 | 96 | 137 | 28 | 174 | 202 |
| CM3-4     | 71B        | 0.5                 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 149 | 324 | 150 | 125 | 122 | 96 | 137 | 28 | 174 | 202 |
| CM3-5     | 71B        | 0.5                 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 149 | 342 | 168 | 143 | 140 | 96 | 137 | 28 | 174 | 202 |
| CM3-6     | 80A        | 0.67                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 149 | 400 | 186 | 161 | 158 | 96 | 137 | 28 | 214 | 242 |
| CM3-7     | 80B        | 0.9                 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 149 | 418 | 204 | 179 | 176 | 96 | 137 | 28 | 214 | 242 |
| CM3-8     | 80B        | 0.9                 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 149 | 436 | 222 | 197 | 194 | 96 | 137 | 28 | 214 | 242 |

# Dimensions, CM 50 Hz

CM 3-I and CM3-G  
50 Hz

## CM 3-I and CM 3-G

(I = EN 1.4301/AISI 304 and G = EN 1.4401/AISI 316)



TM04 2246 2208

### Dimensions

3 x 220-240 V / 380-415 V, 50 Hz (supply voltage F)

| Pump type | Frame size | P <sub>2</sub> [kW] | Dimensions |      |        |    |     |     |     |     |    |     |     |     |     |     |     |     |    |     |     |
|-----------|------------|---------------------|------------|------|--------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
|           |            |                     | A1         | A2   | A3     | A4 | B1  | B2  | B3  | H   | H1 | H2  | L1  | L2  | L3  | L4  | L5  | L6  | L7 | L8  | L9  |
| CM3-2     | 71A        | 0.46                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 165 | 305 | 131 | 107 | 72  | 96  | 137 | 60 | 174 | 234 |
| CM3-3     | 71A        | 0.46                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 165 | 305 | 131 | 107 | 72  | 96  | 137 | 60 | 174 | 234 |
| CM3-4     | 71A        | 0.46                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 165 | 323 | 149 | 125 | 90  | 96  | 137 | 60 | 174 | 234 |
| CM3-5     | 71B        | 0.65                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 165 | 341 | 167 | 143 | 108 | 96  | 137 | 60 | 174 | 234 |
| CM3-6     | 71B        | 0.65                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 165 | 377 | 203 | 179 | 144 | 96  | 137 | 60 | 174 | 234 |
| CM3-7     | 80A        | 0.84                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 165 | 417 | 203 | 179 | 144 | 96  | 137 | 60 | 214 | 274 |
| CM3-8     | 80B        | 1.20                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 165 | 453 | 239 | 215 | 180 | 96  | 137 | 60 | 214 | 274 |
| CM3-9     | 80B        | 1.20                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 165 | 453 | 239 | 215 | 180 | 96  | 137 | 60 | 214 | 274 |
| CM3-10    | 80B        | 1.20                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 165 | 489 | 275 | 251 | 216 | 96  | 137 | 60 | 214 | 274 |
| CM3-11    | 90SA       | 1.58                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 200 | 90 | 180 | 539 | 315 | 300 | 216 | 125 | 155 | 99 | 224 | 323 |
| CM3-12    | 90SA       | 1.58                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 200 | 90 | 180 | 593 | 369 | 354 | 270 | 125 | 155 | 99 | 224 | 323 |
| CM3-13    | 90SA       | 1.58                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 200 | 90 | 180 | 593 | 369 | 354 | 270 | 125 | 155 | 99 | 224 | 323 |
| CM3-14    | 90SB       | 2.20                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 200 | 90 | 180 | 593 | 369 | 354 | 270 | 125 | 155 | 99 | 224 | 323 |

1 x 220-240 V, 50 Hz (supply voltage C)

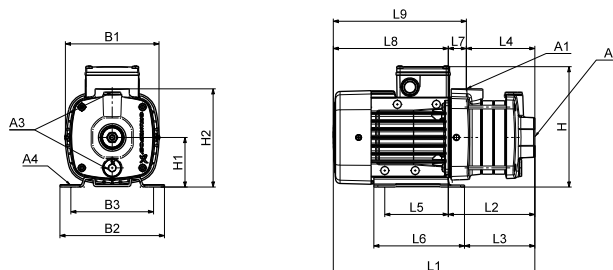
| Pump type | Frame size | P <sub>2</sub> [kW] | Dimensions |      |        |    |     |     |     |     |    |     |     |     |     |     |     |     |    |     |     |
|-----------|------------|---------------------|------------|------|--------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
|           |            |                     | A1         | A2   | A3     | A4 | B1  | B2  | B3  | H   | H1 | H2  | L1  | L2  | L3  | L4  | L5  | L6  | L7 | L8  | L9  |
| CM3-2     | 71A        | 0.3                 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 165 | 305 | 131 | 107 | 72  | 96  | 137 | 60 | 174 | 234 |
| CM3-3     | 71B        | 0.5                 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 165 | 305 | 131 | 107 | 72  | 96  | 137 | 60 | 174 | 234 |
| CM3-4     | 71B        | 0.5                 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 165 | 323 | 149 | 125 | 90  | 96  | 137 | 60 | 174 | 234 |
| CM3-5     | 71B        | 0.5                 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 165 | 341 | 167 | 143 | 108 | 96  | 137 | 60 | 174 | 234 |
| CM3-6     | 80A        | 0.67                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 165 | 417 | 203 | 179 | 144 | 96  | 137 | 60 | 214 | 274 |
| CM3-7     | 80B        | 0.9                 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 165 | 417 | 203 | 179 | 144 | 96  | 137 | 60 | 214 | 274 |
| CM3-8     | 80B        | 0.9                 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 165 | 453 | 239 | 215 | 180 | 96  | 137 | 60 | 214 | 274 |
| CM3-9     | 90SA       | 1.3                 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 229 | 90 | 180 | 503 | 279 | 264 | 180 | 125 | 155 | 99 | 224 | 323 |
| CM3-10    | 90SA       | 1.3                 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 229 | 90 | 180 | 539 | 315 | 300 | 216 | 125 | 155 | 99 | 224 | 323 |
| CM3-11    | 90SA       | 1.3                 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 229 | 90 | 180 | 539 | 315 | 300 | 216 | 125 | 155 | 99 | 224 | 323 |
| CM3-12    | 90SA       | 1.3                 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 229 | 90 | 180 | 593 | 369 | 354 | 270 | 125 | 155 | 99 | 224 | 323 |
| CM3-13    | 90SA       | 1.3                 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 229 | 90 | 180 | 593 | 369 | 354 | 270 | 125 | 155 | 99 | 224 | 323 |
| CM3-14    | 90SB       | 1.9                 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 229 | 90 | 180 | 593 | 369 | 354 | 270 | 125 | 155 | 99 | 224 | 323 |

# Dimensions, CM 60 Hz and 50/60 Hz

CM 3-A  
60 Hz  
50/60 Hz

## CM 3-A

(A = cast iron, EN-GJL-200)



TM04 2248 2208

### Dimensions

3 x 208-230 V / 440-480 V, 60 Hz (supply voltage E)

3 x 575 V, 60 Hz (supply voltage H)

3 x 400 V, 50/60 Hz (supply voltage I)

3 x 380-415 V, 50 Hz; 3 x 440-480 V, 60 Hz (supply voltage J)

3 x 220-240/380-415 V, 50 Hz; 3 x 220-255/380-440 V, 60 Hz (supply voltage O)

| Pump type | Frame size | P <sub>2</sub> [kW] |            | Dimensions |      |        |    |     |     |     |     |    |     |     |     |     |     |    |     |    |     |     |
|-----------|------------|---------------------|------------|------------|------|--------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|-----|----|-----|-----|
|           |            | 50 Hz               | 60 Hz      | A1         | A2   | A3     | A4 | B1  | B2  | B3  | H   | H1 | H2  | L1  | L2  | L3  | L4  | L5 | L6  | L7 | L8  | L9  |
| CM3-2     | 71AA       | 0.25**/0.43         | 0.43/0.74* | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 191 | 75 | 149 | 288 | 114 | 89  | 86  | 96 | 137 | 28 | 174 | 202 |
| CM3-3     | 71BA       | 0.43/0.74***        | 0.74       | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 191 | 75 | 149 | 306 | 132 | 107 | 104 | 96 | 137 | 28 | 174 | 202 |
| CM3-4     | 71BA       | 0.43/0.74***        | 0.74       | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 191 | 75 | 149 | 324 | 150 | 125 | 122 | 96 | 137 | 28 | 174 | 202 |
| CM3-5     | 80AA       | 0.60/1.04***        | 1.04       | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 191 | 75 | 149 | 382 | 168 | 143 | 140 | 96 | 137 | 28 | 214 | 242 |

\* Applies to supply voltage O.

\*\* Applies to supply voltage J.

\*\*\* Applies to supply voltage I.

**Note:** Until further notice, pumps for supply voltage I are only suitable for connection to a frequency of 60 Hz. A dual frequency version is expected to be ready for sales in January 2011.

1 x 115/230 V, 60 Hz (supply voltage B)

1 x 220 V, 60 Hz (supply voltage A)

| Pump type | Frame size | P <sub>2</sub> [kW] | Dimensions |       |        |    |     |     |     |     |    |     |     |     |     |     |    |     |    |     |     |
|-----------|------------|---------------------|------------|-------|--------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|-----|----|-----|-----|
|           |            |                     | A1         | A2    | A3     | A4 | B1  | B2  | B3  | H   | H1 | H2  | L1  | L2  | L3  | L4  | L5 | L6  | L7 | L8  | L9  |
| CM3-2     | 71BA       | 0.60                | NPT 1      | NPT 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 149 | 288 | 114 | 89  | 86  | 96 | 137 | 28 | 174 | 202 |
| CM3-3     | 71BA       | 0.60                | NPT 1      | NPT 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 149 | 306 | 132 | 107 | 104 | 96 | 137 | 28 | 174 | 202 |
| CM3-4     | 80AA       | 0.84*/0.78          | NPT 1      | NPT 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 149 | 364 | 150 | 125 | 122 | 96 | 137 | 28 | 214 | 242 |
| CM3-5     | 80BA       | 1.14*/1.10          | NPT 1      | NPT 1 | Rp 3/8 | 10 | 205 | 158 | 125 | 208 | 75 | 149 | 382 | 168 | 143 | 140 | 96 | 137 | 28 | 214 | 242 |

\* Applies to supply voltage A.

3 x 200/346 V, 50 Hz; 3 x 200-220/346-380 V, 60 Hz (supply voltage G)

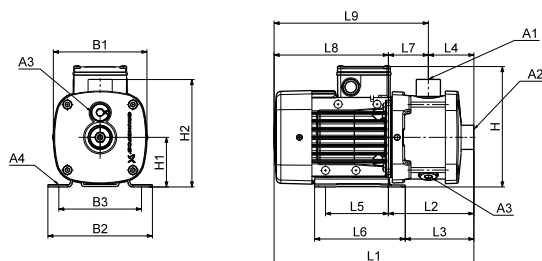
| Pump type | Frame size | P <sub>2</sub> [kW] |       |      |      | Dimensions |    |     |     |     |     |    |     |     |     |     |     |    |     |    |     |     |
|-----------|------------|---------------------|-------|------|------|------------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|-----|----|-----|-----|
|           |            | 50 Hz               | 60 Hz | A1   | A2   | A3         | A4 | B1  | B2  | B3  | H   | H1 | H2  | L1  | L2  | L3  | L4  | L5 | L6  | L7 | L8  | L9  |
| CM3-2     | 71A        | 0.25                | 0.43  | Rp 1 | Rp 1 | Rp 3/8     | 10 | 142 | 158 | 125 | 184 | 75 | 149 | 288 | 114 | 89  | 86  | 96 | 137 | 28 | 174 | 202 |
| CM3-3     | 71B        | 0.43                | 0.74  | Rp 1 | Rp 1 | Rp 3/8     | 10 | 142 | 158 | 125 | 184 | 75 | 149 | 306 | 132 | 107 | 104 | 96 | 137 | 28 | 174 | 202 |
| CM3-4     | 71B        | 0.43                | 0.74  | Rp 1 | Rp 1 | Rp 3/8     | 10 | 142 | 158 | 125 | 184 | 75 | 149 | 324 | 150 | 125 | 122 | 96 | 137 | 28 | 174 | 202 |
| CM3-5     | 80A        | 0.60                | 1.04  | Rp 1 | Rp 1 | Rp 3/8     | 10 | 142 | 158 | 125 | 184 | 75 | 149 | 382 | 168 | 143 | 140 | 96 | 137 | 28 | 214 | 242 |

# Dimensions, CM 60 Hz and 50/60 Hz

CM 3-I and CM 3-G  
60 Hz  
50/60 Hz

## CM 3-I and CM 3-G

(I = EN 1.4301/AISI 304 and G = EN 1.4401/AISI 316)



TM04 2246 2208

### Dimensions

3 x 208-230 V / 440-480 V, 60 Hz (supply voltage E), 3 x 575 V, 60 Hz (supply voltage H)  
3 x 400 V, 50/60 Hz (supply voltage I), 3 x 380-415 V, 50 Hz; 3 x 440-480 V, 60 Hz (supply voltage J)  
3 x 220-240/380-415 V, 50 Hz; 3 x 220-255/380-440 V, 60 Hz (supply voltage O)

| Pump type | Frame size | P <sub>2</sub> [kW]  |            | Dimensions |      |        |    |     |     |     |     |    |     |     |     |     |     |     |     |    |     |     |
|-----------|------------|----------------------|------------|------------|------|--------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
|           |            | 50 Hz                | 60 Hz      | A1         | A2   | A3     | A4 | B1  | B2  | B3  | H   | H1 | H2  | L1  | L2  | L3  | L4  | L5  | L6  | L7 | L8  | L9  |
| CM3-2     | 71AA       | 0.25**/0.43          | 0.43/0.74* | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 191 | 75 | 165 | 305 | 131 | 107 | 72  | 96  | 137 | 60 | 174 | 234 |
| CM3-3     | 71BA       | 0.43/0.74****        | 0.74       | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 191 | 75 | 165 | 305 | 131 | 107 | 72  | 96  | 137 | 60 | 174 | 234 |
| CM3-4     | 71BA       | 0.43/0.74****        | 0.74       | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 191 | 75 | 165 | 323 | 149 | 125 | 90  | 96  | 137 | 60 | 174 | 234 |
| CM3-5     | 80AA       | 0.6*/1.04****/1.45** | 1.04/2.5** | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 191 | 75 | 165 | 381 | 167 | 143 | 108 | 96  | 137 | 60 | 214 | 274 |
| CM3-6     | 80BA       | 0.74/1.28****        | 1.28       | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 191 | 75 | 165 | 417 | 203 | 179 | 144 | 96  | 137 | 60 | 214 | 274 |
| CM3-7     | 90CC       | 1.0/1.7****          | 1.5***/1.7 | Rp 1       | Rp 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 200 | 90 | 180 | 467 | 243 | 228 | 144 | 125 | 155 | 99 | 224 | 323 |
| CM3-8     | 90CB       | 1.45/2.5****         | 2.5        | Rp 1       | Rp 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 200 | 90 | 180 | 503 | 279 | 264 | 180 | 125 | 155 | 99 | 224 | 323 |
| CM3-9     | 90CB       | 1.45/2.5****         | 2.5        | Rp 1       | Rp 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 200 | 90 | 180 | 503 | 279 | 264 | 180 | 125 | 155 | 99 | 224 | 323 |

\* Applies to supply voltage O.

\*\* Applies to supply voltage J.

\*\*\* Applies to supply voltage H.

\*\*\*\* Applies to supply voltage I.

CM 3-7, CM 3-8 and CM 3-9 are not available with supply voltage O.

**Note:** Until further notice, pumps for supply voltage I are only suitable for connection to a frequency of 60 Hz. A dual frequency version is expected to be ready for sales in January 2011.

1 x 115/230 V, 60 Hz (supply voltage B), 1 x 220 V, 60 Hz (supply voltage A)

| Pump type | Frame size | P <sub>2</sub> [kW] | Dimensions |       |        |    |     |     |     |     |    |     |     |     |     |     |     |     |    |     |     |
|-----------|------------|---------------------|------------|-------|--------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
|           |            |                     | A1         | A2    | A3     | A4 | B1  | B2  | B3  | H   | H1 | H2  | L1  | L2  | L3  | L4  | L5  | L6  | L7 | L8  | L9  |
| CM3-2     | 71BA       | 0.60                | NPT 1      | NPT 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 165 | 305 | 131 | 107 | 72  | 96  | 137 | 60 | 174 | 234 |
| CM3-3     | 71BA       | 0.60                | NPT 1      | NPT 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 165 | 305 | 131 | 107 | 72  | 96  | 137 | 60 | 174 | 234 |
| CM3-4     | 80AA       | 0.84*/0.78          | NPT 1      | NPT 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 208 | 75 | 165 | 363 | 149 | 125 | 90  | 96  | 137 | 60 | 214 | 274 |
| CM3-5     | 80BA       | 1.14*/1.10          | NPT 1      | NPT 1 | Rp 3/8 | 10 | 205 | 158 | 125 | 208 | 75 | 165 | 381 | 167 | 143 | 108 | 96  | 137 | 60 | 214 | 274 |
| CM3-6     | 90CC       | 1.54*/1.50          | NPT 1      | NPT 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 229 | 90 | 180 | 467 | 243 | 228 | 144 | 125 | 155 | 99 | 224 | 323 |
| CM3-7     | 90CC       | 1.54*/1.50          | NPT 1      | NPT 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 229 | 90 | 180 | 467 | 243 | 228 | 144 | 125 | 155 | 99 | 224 | 323 |
| CM3-8     | 90CC       | 1.54*/1.50          | NPT 1      | NPT 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 229 | 90 | 180 | 503 | 279 | 264 | 180 | 125 | 155 | 99 | 224 | 323 |

\* Applies to supply voltage A.

3 x 200/346 V, 50 Hz; 3 x 200-220/346-380 V, 60 Hz (supply voltage G)

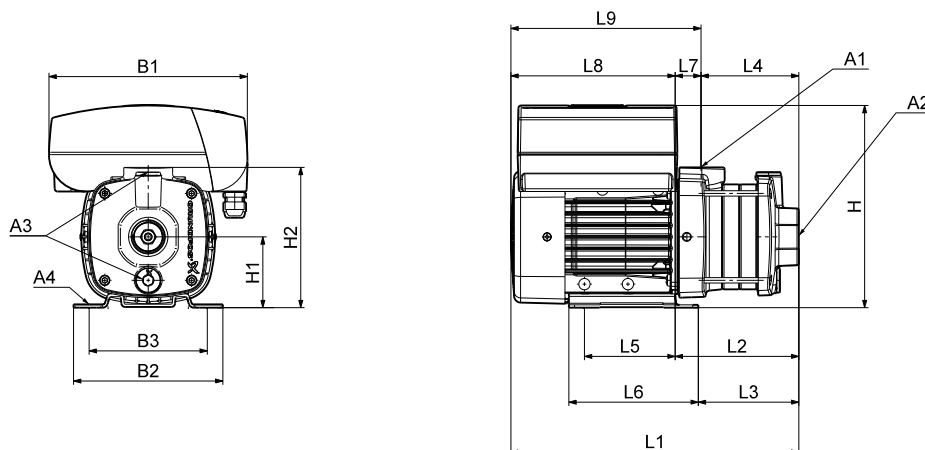
| Pump type | Frame size | P <sub>2</sub> [kW] |       | Dimensions |      |        |    |     |     |     |     |    |     |     |     |     |     |     |     |    |     |     |
|-----------|------------|---------------------|-------|------------|------|--------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
|           |            | 50 Hz               | 60 Hz | A1         | A2   | A3     | A4 | B1  | B2  | B3  | H   | H1 | H2  | L1  | L2  | L3  | L4  | L5  | L6  | L7 | L8  | L9  |
| CM3-2     | 71AA       | 0.25                | 0.43  | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 165 | 305 | 131 | 107 | 72  | 96  | 137 | 60 | 174 | 234 |
| CM3-3     | 71B        | 0.43                | 0.74  | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 165 | 305 | 131 | 107 | 72  | 96  | 137 | 60 | 174 | 234 |
| CM3-4     | 71B        | 0.43                | 0.74  | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 165 | 323 | 149 | 125 | 90  | 96  | 137 | 60 | 174 | 234 |
| CM3-5     | 80A        | 0.60                | 1.04  | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 165 | 381 | 167 | 143 | 108 | 96  | 137 | 60 | 214 | 274 |
| CM3-6     | 80B        | 0.74                | 1.28  | Rp 1       | Rp 1 | Rp 3/8 | 10 | 142 | 158 | 125 | 184 | 75 | 165 | 417 | 203 | 179 | 144 | 96  | 137 | 60 | 214 | 274 |
| CM3-7     | 90SB       | 0.87                | 1.7   | Rp 1       | Rp 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 200 | 90 | 180 | 467 | 243 | 228 | 144 | 125 | 155 | 99 | 224 | 323 |
| CM3-8     | 90SB       | 1.40                | 2.5   | Rp 1       | Rp 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 200 | 90 | 180 | 503 | 279 | 264 | 180 | 125 | 155 | 99 | 224 | 323 |
| CM3-9     | 90SB       | 1.40                | 2.5   | Rp 1       | Rp 1 | Rp 3/8 | 10 | 178 | 178 | 140 | 200 | 90 | 180 | 503 | 279 | 264 | 180 | 125 | 155 | 99 | 224 | 323 |

# Dimensions, CME 60 Hz and 50/60 Hz

CME 3-A  
60 Hz  
50/60 Hz

## CME 3-A

(A = cast iron, EN-GJL-200)



TM04 2249 2208

## Dimensions

1 x 200-240 V, 50/60 Hz (supply voltage K)

1 x 208-230 V, 50/60 Hz (supply voltage M)

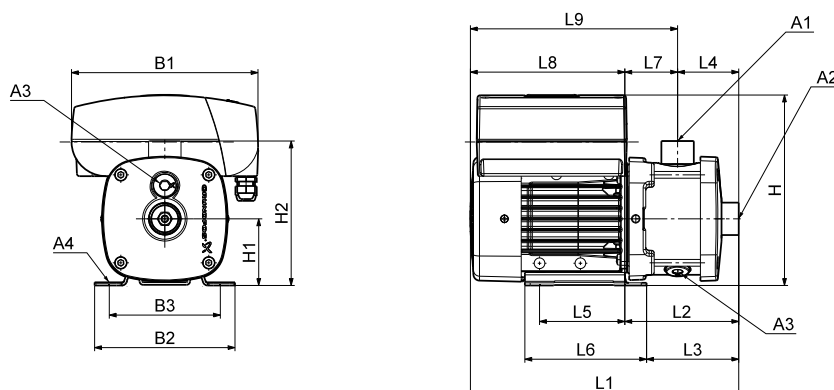
| Pump type | Frame size | P <sub>2</sub> [kW] | Dimensions |      |        |    |     |     |     |     |    |     |     |     |     |     |    |     |    |     |     |
|-----------|------------|---------------------|------------|------|--------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|-----|----|-----|-----|
|           |            |                     | A1         | A2   | A3     | A4 | B1  | B2  | B3  | H   | H1 | H2  | L1  | L2  | L3  | L4  | L5 | L6  | L7 | L8  | L9  |
| CME3-2    | 71B        | 0.55                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 210 | 158 | 125 | 215 | 75 | 149 | 288 | 114 | 89  | 86  | 96 | 137 | 28 | 174 | 202 |
| CME3-3    | 80B        | 1.10                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 210 | 158 | 125 | 215 | 75 | 149 | 346 | 132 | 107 | 104 | 96 | 137 | 28 | 214 | 242 |
| CME3-4    | 80B        | 1.10                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 210 | 158 | 125 | 215 | 75 | 149 | 364 | 150 | 125 | 122 | 96 | 137 | 28 | 214 | 242 |
| CME3-5    | 80B        | 1.10                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 210 | 158 | 125 | 215 | 75 | 149 | 382 | 168 | 143 | 140 | 96 | 137 | 28 | 214 | 242 |

# Dimensions, CME 60 Hz and 50/60 Hz

CME 3-I and CME 3-G  
60 Hz  
50/60 Hz

## CME 3-I and CME 3-G

(I = EN 1.4301/AISI 304 and G = EN 1.4401/AISI 316)



TM04 2247 2208

### Dimensions

1 x 200-240 V, 50/60 Hz (supply voltage K)

1 x 208-230 V, 50/60 Hz (supply voltage M)

| Pump type | Frame size | P <sub>2</sub> [kW] | Dimensions |      |        |    |     |     |     |     |    |     |     |     |     |     |    |     |    |     |     |
|-----------|------------|---------------------|------------|------|--------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|-----|----|-----|-----|
|           |            |                     | A1         | A2   | A3     | A4 | B1  | B2  | B3  | H   | H1 | H2  | L1  | L2  | L3  | L4  | L5 | L6  | L7 | L8  | L9  |
| CME3-2    | 71B        | 0.55                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 210 | 158 | 125 | 215 | 75 | 165 | 305 | 131 | 107 | 72  | 96 | 137 | 60 | 174 | 234 |
| CME3-3    | 80B        | 1.10                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 210 | 158 | 125 | 215 | 75 | 165 | 345 | 131 | 107 | 72  | 96 | 137 | 60 | 214 | 274 |
| CME3-4    | 80B        | 1.10                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 210 | 158 | 125 | 215 | 75 | 165 | 363 | 149 | 125 | 90  | 96 | 137 | 60 | 214 | 274 |
| CME3-5    | 80B        | 1.10                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 210 | 158 | 125 | 215 | 75 | 165 | 381 | 167 | 143 | 108 | 96 | 137 | 60 | 214 | 274 |

3 x 380-480 V, 50/60 Hz (supply voltage L)

| Pump type | Frame size | P <sub>2</sub> [kW] | Dimensions |      |        |    |     |     |     |     |    |     |     |     |     |     |     |     |    |     |     |
|-----------|------------|---------------------|------------|------|--------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
|           |            |                     | A1         | A2   | A3     | A4 | B1  | B2  | B3  | H   | H1 | H2  | L1  | L2  | L3  | L4  | L5  | L6  | L7 | L8  | L9  |
| CME3-6    | 90SB       | 1.50                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 264 | 178 | 140 | 257 | 90 | 180 | 467 | 243 | 228 | 144 | 125 | 155 | 99 | 224 | 323 |
| CME3-7    | 90SB       | 1.50                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 264 | 178 | 140 | 257 | 90 | 180 | 467 | 243 | 228 | 144 | 125 | 155 | 99 | 224 | 323 |
| CME3-8    | 90LC       | 2.20                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 264 | 178 | 140 | 257 | 90 | 180 | 543 | 279 | 264 | 180 | 125 | 155 | 99 | 264 | 363 |
| CME3-9    | 90LC       | 2.20                | Rp 1       | Rp 1 | Rp 3/8 | 10 | 264 | 178 | 140 | 257 | 90 | 180 | 543 | 279 | 264 | 180 | 125 | 155 | 99 | 264 | 363 |

3 x 460-480 V, 60 Hz (supply voltage N)

| Pump type | Frame size | P <sub>2</sub> [kW] | Dimensions |       |        |    |     |     |     |     |    |     |     |     |     |     |     |     |    |     |     |
|-----------|------------|---------------------|------------|-------|--------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
|           |            |                     | A1         | A2    | A3     | A4 | B1  | B2  | B3  | H   | H1 | H2  | L1  | L2  | L3  | L4  | L5  | L6  | L7 | L8  | L9  |
| CME3-6    | 90CC       | 1.50                | NPT 1      | NPT 1 | Rp 3/8 | 10 | 264 | 178 | 140 | 257 | 90 | 180 | 467 | 243 | 228 | 144 | 125 | 155 | 99 | 224 | 323 |
| CME3-7    | 90CC       | 1.50                | NPT 1      | NPT 1 | Rp 3/8 | 10 | 264 | 178 | 140 | 257 | 90 | 180 | 467 | 243 | 228 | 144 | 125 | 155 | 99 | 224 | 323 |
| CME3-8    | 90CC       | 1.50                | NPT 1      | NPT 1 | Rp 3/8 | 10 | 264 | 178 | 140 | 257 | 90 | 180 | 503 | 279 | 264 | 180 | 125 | 155 | 99 | 224 | 323 |
| CME3-9    | 90FA       | 2.20                | NPT 1      | NPT 1 | Rp 3/8 | 10 | 264 | 178 | 140 | 257 | 90 | 180 | 543 | 279 | 264 | 180 | 125 | 155 | 99 | 264 | 363 |

## CM 3-A

(A = cast iron, EN-GJL-200)

| Supply voltage                                                                 | Pump type | Net weight [kg] | Gross weight [kg] | Shipping volume [m <sup>3</sup> ] |
|--------------------------------------------------------------------------------|-----------|-----------------|-------------------|-----------------------------------|
| 1 x 220-240 V, 50 Hz (supply voltage C)                                        | CM 3-2    | 11.0            | 13.5              | 0.0296                            |
|                                                                                | CM 3-3    | 12.0            | 14.5              | 0.0296                            |
|                                                                                | CM 3-4    | 12.2            | 14.7              | 0.0370                            |
|                                                                                | CM 3-5    | 12.5            | 15.0              | 0.0370                            |
|                                                                                | CM 3-6    | 14.2            | 16.7              | 0.0370                            |
|                                                                                | CM 3-7    | 15.5            | 18.0              | 0.0370                            |
|                                                                                | CM 3-8    | 15.8            | 18.3              | 0.0444                            |
| 1 x 115/230 V, 60 Hz (supply voltage B)<br>1 x 220 V, 60 Hz (supply voltage A) | CM 3-2    | 11.7            | 14.2              | 0.0296                            |
|                                                                                | CM 3-3    | 12.0            | 14.5              | 0.0296                            |
|                                                                                | CM 3-4    | 13.6            | 16.1              | 0.0370                            |
|                                                                                | CM 3-5    | 12.5            | 15.0              | 0.0370                            |
| 3 x 220-240 V / 380-415 V, 50 Hz (supply voltage F)                            | CM 3-2    | 11.0            | 13.5              | 0.0296                            |
|                                                                                | CM 3-3    | 11.3            | 13.8              | 0.0296                            |
|                                                                                | CM 3-4    | 11.5            | 14.0              | 0.0370                            |
|                                                                                | CM 3-5    | 12.5            | 15.0              | 0.0370                            |
|                                                                                | CM 3-6    | 12.8            | 15.3              | 0.0370                            |
|                                                                                | CM 3-7    | 14.4            | 16.9              | 0.0370                            |
|                                                                                | CM 3-8    | 15.8            | 18.3              | 0.0444                            |
| 3 x 200/346 V, 50 Hz; 3 x 200-220/346-380 V, 60 Hz (supply voltage G)          | CM 3-2    | 11.0            | 13.5              | 0.0296                            |
|                                                                                | CM 3-3    | 12.0            | 14.5              | 0.0296                            |
|                                                                                | CM 3-4    | 12.2            | 14.7              | 0.0370                            |
|                                                                                | CM 3-5    | 13.9            | 16.4              | 0.0370                            |
| 3 x 208-230 V / 440-480 V, 60 Hz (supply voltage E)                            | CM 3-2    | 11.0            | 13.5              | 0.0296                            |
| 3 x 575 V, 60 Hz (supply voltage H)                                            | CM 3-3    | 12.0            | 14.5              | 0.0296                            |
| 3 x 400 V, 50/60 Hz (supply voltage I)*                                        | CM 3-4    | 12.2            | 14.7              | 0.0370                            |
| 3 x 380-415 V, 50 Hz; 3 x 440-480 V, 60 Hz (supply voltage J)                  | CM 3-4    | 12.2            | 14.7              | 0.0370                            |
| 3 x 220-240/380-415 V, 50 Hz; 3 x 220-255/380-440 V, 60 Hz (supply voltage O)  | CM 3-5    | 13.9            | 16.4              | 0.0370                            |

\* Until further notice, pumps for supply voltage I are only suitable for connection to a frequency of 60 Hz. A dual frequency version is expected to be ready for sales in January 2011.

## CM 3-I and CM 3-G

(I = EN 1.4301/AISI 304 and G = EN 1.4401/AISI 316)

| Supply voltage                                                                                                                                                                                                                                                                          | Pump type | Net weight<br>[kg] | Gross weight<br>[kg] | Shipping volume<br>[m <sup>3</sup> ] |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------|----------------------|--------------------------------------|
| 1 x 220-240 V, 50 Hz (supply voltage C)                                                                                                                                                                                                                                                 | CM 3-2    | 11.6               | 14.1                 | 0.0296                               |
|                                                                                                                                                                                                                                                                                         | CM 3-3    | 12.4               | 14.9                 | 0.0296                               |
|                                                                                                                                                                                                                                                                                         | CM 3-4    | 12.7               | 15.2                 | 0.0370                               |
|                                                                                                                                                                                                                                                                                         | CM 3-5    | 13.1               | 15.6                 | 0.0370                               |
|                                                                                                                                                                                                                                                                                         | CM 3-6    | 16.2               | 18.7                 | 0.0370                               |
|                                                                                                                                                                                                                                                                                         | CM 3-7    | 16.2               | 18.7                 | 0.0370                               |
|                                                                                                                                                                                                                                                                                         | CM 3-8    | 16.8               | 19.3                 | 0.0444                               |
|                                                                                                                                                                                                                                                                                         | CM 3-9    | 22.6               | 25.1                 | 0.0444                               |
|                                                                                                                                                                                                                                                                                         | CM 3-10   | 23.2               | 25.7                 | 0.0495                               |
|                                                                                                                                                                                                                                                                                         | CM 3-11   | 23.3               | 25.8                 | 0.0495                               |
|                                                                                                                                                                                                                                                                                         | CM 3-12   | 24.2               | 26.7                 | 0.0495                               |
|                                                                                                                                                                                                                                                                                         | CM 3-13   | 24.2               | 26.7                 | 0.0495                               |
|                                                                                                                                                                                                                                                                                         | CM 3-14   | 26.4               | 28.9                 | 0.0495                               |
| 1 x 115/230 V, 60 Hz (supply voltage B)<br>1 x 220 V, 60 Hz (supply voltage A)                                                                                                                                                                                                          | CM 3-2    | 12.3               | 14.8                 | 0.0296                               |
|                                                                                                                                                                                                                                                                                         | CM 3-3    | 12.4               | 14.9                 | 0.0296                               |
|                                                                                                                                                                                                                                                                                         | CM 3-4    | 14.1               | 16.6                 | 0.0370                               |
|                                                                                                                                                                                                                                                                                         | CM 3-5    | 15.6               | 18.1                 | 0.0370                               |
|                                                                                                                                                                                                                                                                                         | CM 3-6    | 23.8               | 26.3                 | 0.0444                               |
|                                                                                                                                                                                                                                                                                         | CM 3-7    | 24.0               | 26.5                 | 0.0444                               |
|                                                                                                                                                                                                                                                                                         | CM 3-8    | 24.6               | 27.1                 | 0.0444                               |
| 3 x 220-240 V / 380-415 V, 50 Hz (supply voltage F)                                                                                                                                                                                                                                     | CM 3-2    | 11.6               | 14.1                 | 0.0296                               |
|                                                                                                                                                                                                                                                                                         | CM 3-3    | 11.7               | 14.2                 | 0.0296                               |
|                                                                                                                                                                                                                                                                                         | CM 3-4    | 12.0               | 14.5                 | 0.0370                               |
|                                                                                                                                                                                                                                                                                         | CM 3-5    | 13.1               | 15.6                 | 0.0370                               |
|                                                                                                                                                                                                                                                                                         | CM 3-6    | 13.7               | 16.2                 | 0.0370                               |
|                                                                                                                                                                                                                                                                                         | CM 3-7    | 15.1               | 17.6                 | 0.0370                               |
|                                                                                                                                                                                                                                                                                         | CM 3-8    | 16.8               | 19.3                 | 0.0444                               |
|                                                                                                                                                                                                                                                                                         | CM 3-9    | 16.9               | 19.4                 | 0.0444                               |
|                                                                                                                                                                                                                                                                                         | CM 3-10   | 17.5               | 20.0                 | 0.0444                               |
|                                                                                                                                                                                                                                                                                         | CM 3-11   | 23.3               | 25.8                 | 0.0495                               |
|                                                                                                                                                                                                                                                                                         | CM 3-12   | 24.2               | 26.7                 | 0.0495                               |
|                                                                                                                                                                                                                                                                                         | CM 3-13   | 24.2               | 26.7                 | 0.0495                               |
|                                                                                                                                                                                                                                                                                         | CM 3-14   | 26.4               | 28.9                 | 0.0495                               |
| 3 x 200/346 V, 50 Hz; 3 x 200-220/346-380 V, 60 Hz (supply voltage G)                                                                                                                                                                                                                   | CM 3-2    | 11.6               | 14.1                 | 0.0296                               |
|                                                                                                                                                                                                                                                                                         | CM 3-3    | 12.4               | 14.9                 | 0.0296                               |
|                                                                                                                                                                                                                                                                                         | CM 3-4    | 12.7               | 15.2                 | 0.0370                               |
|                                                                                                                                                                                                                                                                                         | CM 3-5    | 14.5               | 17.0                 | 0.0370                               |
|                                                                                                                                                                                                                                                                                         | CM 3-6    | 16.2               | 18.7                 | 0.0370                               |
|                                                                                                                                                                                                                                                                                         | CM 3-7    | 24.0               | 26.5                 | 0.0444                               |
|                                                                                                                                                                                                                                                                                         | CM 3-8    | 24.6               | 27.1                 | 0.0444                               |
|                                                                                                                                                                                                                                                                                         | CM 3-9    | 24.7               | 27.2                 | 0.0444                               |
|                                                                                                                                                                                                                                                                                         | CM 3-9    | 24.7               | 27.2                 | 0.0444                               |
| 3 x 208-230 V / 440-480 V, 60 Hz (supply voltage E)<br>3 x 575 V, 60 Hz (supply voltage H)<br>3 x 400 V, 50/60 Hz (supply voltage I)*<br>3 x 380-415 V, 50 Hz; 3 x 440-480 V, 60 Hz (supply voltage J)<br>3 x 220-240/380-415 V, 50 Hz; 3 x 220-255/380-440 V, 60 Hz (supply voltage O) | CM 3-2    | 11.6               | 14.1                 | 0.0296                               |
|                                                                                                                                                                                                                                                                                         | CM 3-3    | 12.4               | 14.9                 | 0.0296                               |
|                                                                                                                                                                                                                                                                                         | CM 3-4    | 12.7               | 15.2                 | 0.0370                               |
|                                                                                                                                                                                                                                                                                         | CM 3-5    | 14.5               | 17.0                 | 0.0370                               |
|                                                                                                                                                                                                                                                                                         | CM 3-6    | 16.2               | 18.7                 | 0.0370                               |
|                                                                                                                                                                                                                                                                                         | CM 3-7    | 24.0               | 26.5                 | 0.0444                               |
|                                                                                                                                                                                                                                                                                         | CM 3-8    | 24.6               | 27.1                 | 0.0444                               |
|                                                                                                                                                                                                                                                                                         | CM 3-9    | 24.7               | 27.2                 | 0.0444                               |
|                                                                                                                                                                                                                                                                                         | CM 3-9    | 24.7               | 27.2                 | 0.0444                               |

\* Until further notice, pumps for supply voltage I are only suitable for connection to a frequency of 60 Hz. A dual frequency version is expected to be ready for sales in January 2011.



96903467 0910

Repl. 96903467 0210

GB

ECM: 1065503

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