

**meccalte**



# ECP34

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## 4 POLE A

### CHARACTERISTICS

#### INDUSTRIAL RATINGS

ambient 40° C

| Type                          | kVA - cos $\phi$ 0.8 - 3 Phase continuous |            |     |               |  |            |           | Efficiency |  |      |
|-------------------------------|---|------------|-----|---------------|--|------------|-----------|------------|--|------|
|                               | CL. H ( $\Delta T=125^{\circ}\text{C}$ )  |            |     |               | CL. F ( $\Delta T=105^{\circ}\text{C}$ ) |            |           | $\eta$ %   | CL. H ( $\Delta T=125^{\circ}\text{C}$ ) |      |
| Series Star Y                 | 380                                       | 400        | 415 | IP45<br>400 V | 380                                      | 400        | 415       | 2/4        | 3/4                                      | 4/4  |
| Parallel Star YY              | 190                                       | 200        | 208 |               | 190                                      | 200        | 208       |            |  |      |
| Series Delta $\Delta$         | 220                                       | 230        | 240 |               | 220                                      | 230        | 240       |            |  |      |
| Parallel Delta $\Delta\Delta$ | 110                                       | 115        | 120 |               | 110                                      | 115        | 120       |            |  |      |
| ECP34-1S/4                    | 85  | <b>85</b>  | 85  |               | 65                                       | 77         | <b>77</b> |            |  |      |
| ECP34-2S/4                    | 105                                       | <b>105</b> | 105 | 85            | 95                                       | <b>95</b>  | 95        | 90,7       | 92,5                                     | 92,2 |
| ECP34-1L/4                    | 135                                       | <b>135</b> | 135 | 108           | 121                                      | <b>121</b> | 121       | 91,7       | 93,4                                     | 92,8 |
| ECP34-2L/4                    | 150                                       | <b>150</b> | 150 | 120           | 136                                      | <b>136</b> | 136       | 92         | 93,5                                     | 93,2 |
| ECP34-3L/4                    | 155                                       | <b>160</b> | 160 | 125           | 140                                      | <b>145</b> | 145       | 92,3       | 93,7                                     | 93,5 |

| 60 Hz                         | CL. H ( $\Delta T=125^{\circ}\text{C}$ ) |     |            |               | CL. F ( $\Delta T=105^{\circ}\text{C}$ ) |     |            | Efficiency |  |      |
|-------------------------------|--|-----|------------|---------------|--|-----|------------|------------|--|------|
|                               |  |     |            |               |  |     |            | $\eta$ %   | CL. H ( $\Delta T=125^{\circ}\text{C}$ ) |      |
| Series Star Y                 | 440                                      | 460 | 480        | IP45<br>480 V | 440                                      | 460 | 480        | 2/4        | 3/4                                      | 4/4  |
| Parallel Star YY              | 220                                      | 230 | 240        |               | 220                                      | 230 | 240        |            |  |      |
| Series Delta $\Delta$         | 254                                      | 265 | 277        |               | 254                                      | 265 | 277        |            |  |      |
| Parallel Delta $\Delta\Delta$ | 127                                      | 133 | 138        |               | 127                                      | 133 | 138        |            |  |      |
| ECP34-1S/4                    | 102                                      | 102 | <b>102</b> |               | 78                                       | 92  | 92         |            |  |      |
| ECP34-2S/4                    | 126                                      | 126 | <b>126</b> | 102           | 114                                      | 114 | <b>114</b> | 92,3       | 94,1                                     | 93,8 |
| ECP34-1L/4                    | 150                                      | 162 | <b>162</b> | 130           | 135                                      | 146 | <b>146</b> | 93,5       | 95                                       | 94,6 |
| ECP34-2L/4                    | 170                                      | 180 | <b>180</b> | 144           | 150                                      | 163 | <b>163</b> | 93,8       | 95,2                                     | 95   |
| ECP34-3L/4                    | 185                                      | 192 | <b>192</b> | 150           | 160                                      | 173 | <b>173</b> | 94,1       | 95,5                                     | 95,3 |

#### STANDBY RATINGS

| Type       | kVA Temp. Rise / Ambient °C |            |            | kVA Temp. Rise / Ambient °C |            |            |
|------------|-----------------------------|------------|------------|-----------------------------|------------|------------|
|            | 50 Hz                       |            |            | 60 Hz                       |            |            |
|            | 163° / 27°                  | 150° / 40° | 125° / 27° | 163° / 27°                  | 150° / 40° | 125° / 27° |
| ECP34-1S/4 | 95                          | 90         | 90         | 114                         | 108        | 108        |
| ECP34-2S/4 | 116                         | 110        | 110        | 139                         | 132        | 132        |
| ECP34-1L/4 | 148                         | 143        | 143        | 178                         | 172        | 172        |
| ECP34-2L/4 | 164                         | 158        | 158        | 196                         | 189        | 189        |
| ECP34-3L/4 | 175                         | 169        | 169        | 210                         | 202        | 202        |

| Type       | J<br>(kgm <sup>2</sup> )<br>B3-B14 FORM | Weight<br>MD35 (kg) | Air Volume                  |                             | Noise dB(A) |    |       |    |
|------------|---|---------------------|-----------------------------|-----------------------------|-------------|----|-------|----|
|            |   |                     |                             |                             | 50 Hz       |    | 60 Hz |    |
|            |   |                     | 50 Hz (m <sup>3</sup> /min) | 60 Hz (m <sup>3</sup> /min) | 1m          | 7m | 1m    | 7m |
| ECP34-1S/4 | 0,7366                                  | 331                 | 19,3                        | 23                          | 79          | 65 | 83    | 69 |
| ECP34-2S/4 | 0,9060                                  | 409                 |                             |                             |             |    |       |    |
| ECP34-1L/4 | 0,9923                                  | 467                 |                             |                             |             |    |       |    |
| ECP34-2L/4 | 1,1190                                  | 481                 |                             |                             |             |    |       |    |
| ECP34-3L/4 | 1,1666                                  | 485                 |                             |                             |             |    |       |    |

### ACCESSORIES

| REGULATOR                           |                          |                          |                          | PARALLEL<br>DEVICE       | THERMAL PROTECTION       |                          |                          | HEATERS                  | MECHANICAL PROTECTION               |                          |                          |
|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|
| DSR                                 | DER-1                    | SR7/2                    | UVR6                     |                          | PTC                      | BIMET. DEVICE            | PT100                    |                          | IP23                                | IP45                     | IP55                     |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

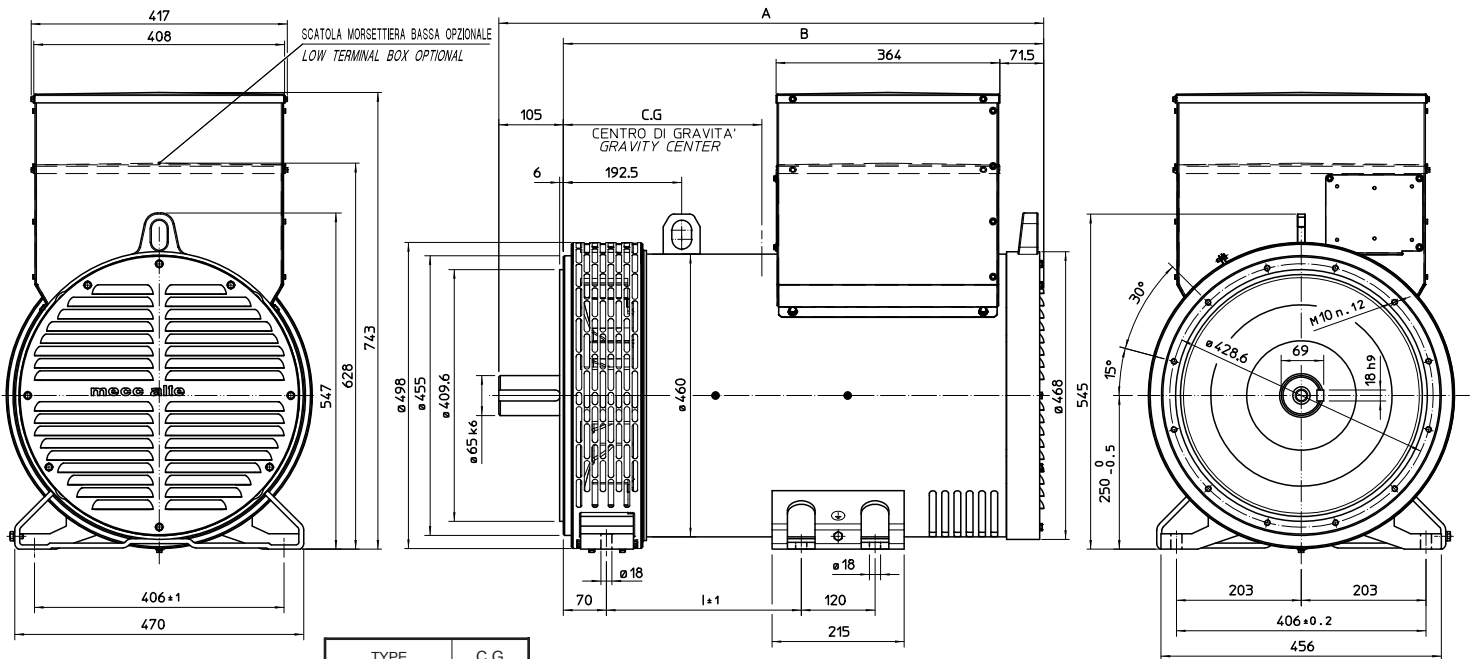
= Standard  
 = Optional

Rating



## OVERALL DIMENSIONS B3 - B14 FORM

dimensions in mm

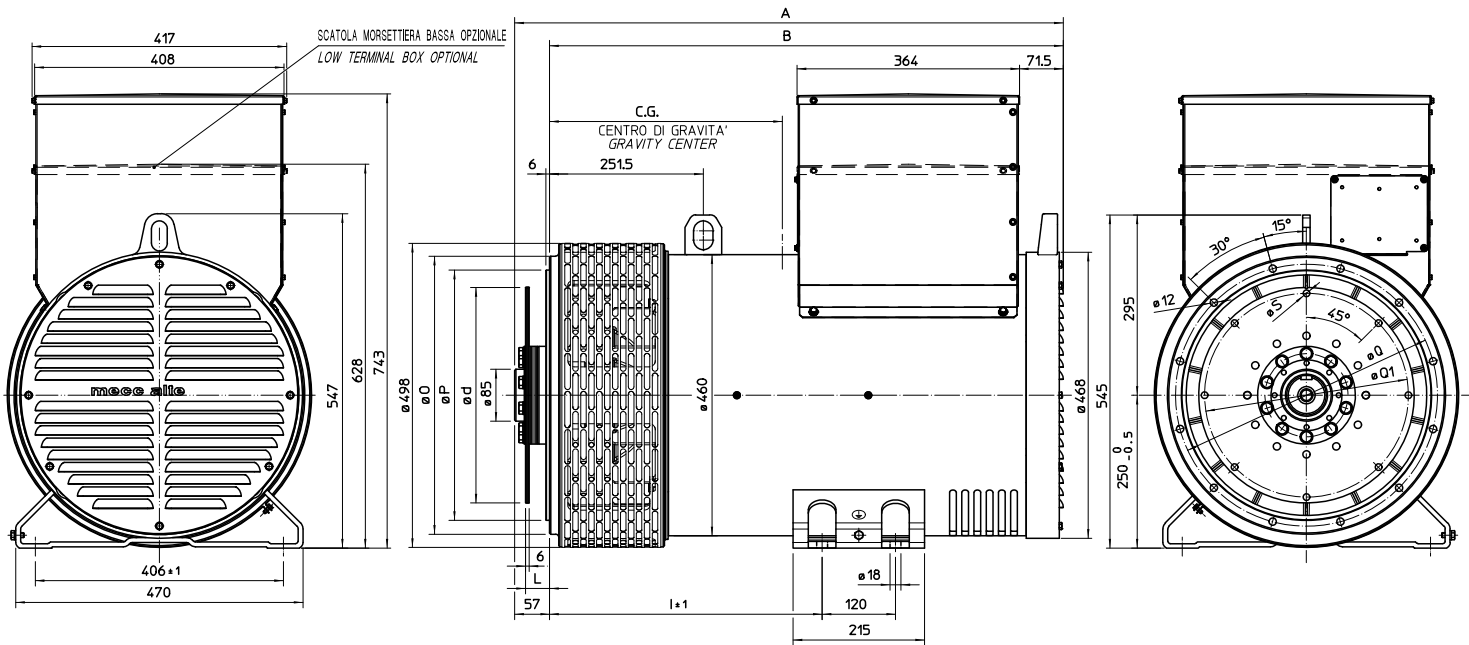


| TYPE        | C.G. |
|-------------|------|
| ECP34- 1S/4 | 310  |
| ECP34- 2S/4 | 350  |
| ECP34- 1L/4 | 375  |
| ECP34- 2L/4 | 390  |
| ECP34- 3L/4 | 390  |

| TYPE     | A     | B     | I   |
|----------|-------|-------|-----|
| ECP 34 S | 806,5 | 701,5 | 227 |
| ECP 34 L | 886,5 | 781,5 | 317 |

## OVERALL DIMENSIONS MD35 FORM

dimensions in mm



| SAE N. | DISC COUPLING |        |        |    |
|--------|---------------|--------|--------|----|
|        | L             | d      | Q1     | S  |
| 10     | 53,8          | 314,32 | 295,27 | 11 |
| 11 1/2 | 39,6          | 352,42 | 333,37 | 11 |
| 14     | 25,4          | 466,72 | 438,15 | 14 |

| SAE N. | FLANGE |       |       |
|--------|--------|-------|-------|
|        | O      | P     | Q     |
| 3      | 451    | 409,6 | 428,6 |
| 2      | 489    | 447,7 | 466,7 |
| 1      | 552    | 511,2 | 530,2 |

| TYPE       | C.G. |
|------------|------|
| ECP34-1S/4 | 358  |
| ECP34-2S/4 | 398  |
| ECP34-1L/4 | 425  |
| ECP34-2L/4 | 440  |
| ECP34-3L/4 | 440  |

| TYPE       | A     | B     | I   |
|------------|-------|-------|-----|
| ECP 34 - S | 817,5 | 760,5 | 356 |
| ECP 34 - L | 897,5 | 840,5 | 446 |