



**Генераторы серии ECP3**  
**Месс Алте**  
**Технические характеристики**

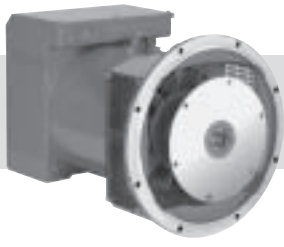
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# ECP3

## 2 POLE

### CHARACTERISTICS

### INDUSTRIAL RATINGS

ambient 40° C

| Type              | KVA - cosφ 0.8 - 3 Phase continuous |             |             |               |                    |             |             | EFFICIENCY  |                    |             | 1 Phase<br>KVA<br>COSφ = 1<br>CL. H (ΔT = 125°C)<br>DELTA |  |             |             |            |
|-------------------|-------------------------------------|-------------|-------------|---------------|--------------------|-------------|-------------|-------------|--------------------|-------------|---|--|-------------|-------------|------------|
|                   | CL. H (ΔT = 125°C)                  |             |             |               | CL. F (ΔT = 105°C) |             |             | η %         | CL. H (ΔT = 125°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 Δ    | 220                                 | 230         | 240         |               | 220                | 230         | 240         |             |                    |             |   |  |             |             |            |
| Parallel Delta ΔΔ | 110                                 | 115         | 120         |               | 110                | 115         | 120         |             |                    |             |   |  |             |             |            |
| <b>ECP3-1S/2</b>  | <b>8</b>                            | <b>8</b>    | <b>8</b>    | <b>6</b>      | <b>7,2</b>         | <b>7,2</b>  | <b>7,2</b>  | <b>76</b>   |                    |             |   |  | <b>79,5</b> | <b>78,5</b> | <b>5,5</b> |
| <b>ECP3-2S/2</b>  | <b>10</b>                           | <b>10</b>   | <b>10</b>   | <b>7,5</b>    | <b>9</b>           | <b>9</b>    | <b>9</b>    | <b>77,5</b> |                    |             |   |  | <b>81</b>   | <b>80,5</b> | <b>7</b>   |
| <b>ECP3-3S/2</b>  | <b>12,5</b>                         | <b>12,5</b> | <b>12,5</b> | <b>9,5</b>    | <b>11</b>          | <b>11</b>   | <b>11</b>   | <b>80</b>   | <b>83,5</b>        | <b>83</b>   | <b>8</b>  |  |             |             |            |
| <b>ECP3-1L/2</b>  | <b>16</b>                           | <b>16</b>   | <b>16</b>   | <b>12</b>     | <b>14,5</b>        | <b>14,5</b> | <b>14,5</b> | <b>81,5</b> | <b>85</b>          | <b>84,5</b> | <b>10</b>   |  |             |             |            |
| <b>ECP3-2L/2</b>  | <b>19</b>                           | <b>19</b>   | <b>19</b>   | <b>14,5</b>   | <b>17</b>          | <b>17</b>   | <b>17</b>   | <b>82,5</b> | <b>86</b>          | <b>85,5</b> | <b>11,5</b>   |  |             |             |            |

| Type              | CL. H (ΔT = 125°C) |                  |                |                   | CL. F (ΔT = 105°C) |             |                    | EFFICIENCY  |             |               | 1 Phase<br>KVA<br>COSφ = 1<br>CL. H (ΔT = 125°C)<br>DELTA |     |     |     |     |
|-------------------|--------------------|------------------|----------------|-------------------|--------------------|-------------|--------------------|-------------|-------------|---------------|---|-----|-----|-----|-----|
|                   | Series Star Y      | Parallel Star YY | Series Delta Δ | Parallel Delta ΔΔ | IP45<br>480 V      | η %         | CL. H (ΔT = 125°C) |             |             |               |   |     |     |     |     |
| Series Star Y     |                    |                  |                |                   |                    |             | 440                | 460         | 480         | IP45<br>480 V | 440   | 460 | 480 | 2/4 | 3/4 |
| Parallel Star YY  | 220                | 230              | 240            | 220               | 230                | 240         |                    |             |             |               |   |     |     |     |     |
| Series Delta Δ    | 254                | 265              | 277            | 254               | 265                | 277         |                    |             |             |               |   |     |     |     |     |
| Parallel Delta ΔΔ | 127                | 133              | 138            | 127               | 133                | 138         |                    |             |             |               |   |     |     |     |     |
| <b>ECP3-1S/2</b>  | <b>9,6</b>         | <b>9,6</b>       | <b>9,6</b>     | <b>7,2</b>        | <b>8,2</b>         | <b>8,6</b>  | <b>8,6</b>         | <b>77,4</b> | <b>80,8</b> | <b>79,9</b>   | <b>6,6</b>  |     |     |     |     |
| <b>ECP3-2S/2</b>  | <b>12</b>          | <b>12</b>        | <b>12</b>      | <b>9</b>          | <b>10,2</b>        | <b>10,8</b> | <b>10,8</b>        | <b>79,8</b> | <b>83,2</b> | <b>82,8</b>   | <b>8,4</b>  |     |     |     |     |
| <b>ECP3-3S/2</b>  | <b>15</b>          | <b>15</b>        | <b>15</b>      | <b>11,4</b>       | <b>12,3</b>        | <b>13</b>   | <b>13</b>          | <b>81,5</b> | <b>85</b>   | <b>84,5</b>   | <b>9,6</b>  |     |     |     |     |
| <b>ECP3-1L/2</b>  | <b>19,2</b>        | <b>19,2</b>      | <b>19,2</b>    | <b>14,4</b>       | <b>16,2</b>        | <b>17</b>   | <b>17</b>          | <b>83,5</b> | <b>86,6</b> | <b>86,1</b>   | <b>12</b>   |     |     |     |     |
| <b>ECP3-2L/2</b>  | <b>22,8</b>        | <b>22,8</b>      | <b>22,8</b>    | <b>17,4</b>       | <b>19,5</b>        | <b>20,5</b> | <b>20,5</b>        | <b>84,5</b> | <b>87,8</b> | <b>87,2</b>   | <b>13,8</b>   |     |     |     |     |

### STANDBY RATING

| 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° |
| <b>ECP3-1S/2</b> | 8,6                         | 8,3        | 8,3        | 10,4                        | 10         | 10         |
| <b>ECP3-2S/2</b> | 10,8                        | 10,4       | 10,4       | 13                          | 12,5       | 12,5       |
| <b>ECP3-3S/2</b> | 13,5                        | 13         | 13         | 16,2                        | 15,6       | 15,6       |
| <b>ECP3-1L/2</b> | 17,2                        | 16,6       | 16,6       | 20,7                        | 20         | 20         |
| <b>ECP3-2L/2</b> | 20,5                        | 19,7       | 19,7       | 25                          | 23,7       | 23,7       |

| Type             | J (Kg <sup>m</sup> <sup>2</sup> ) |         |         | Weight (Kg) |       |      | Air Volume (m <sup>3</sup> /min) |       | Noise dB(A) |    |       |    | Coupling discs |                        |
|------------------|-----------------------------------|---------|---------|-------------|-------|------|----------------------------------|-------|-------------|----|-------|----|----------------|------------------------|
|                  | B3/B14                            | B3/B9   | MD35    | B3/B14      | B3/B9 | MD35 | 50 Hz                            | 60 Hz | 50 Hz       |    | 60 Hz |    | SAE N°         | J (kgm <sup>2</sup> )* |
| <b>ECP3-1S/2</b> | 0,03561                           | 0,03549 | 0,03591 | 52          | 50    | 56   | 6,4                              | 7,8   | 85          | 70 | 89    | 73 | 6 1/2          | 0,00495                |
| <b>ECP3-2S/2</b> | 0,03955                           | 0,03943 | 0,03985 | 58          | 56    | 62   | 6,3                              | 7,8   |             |    |       |    |                |                        |
| <b>ECP3-3S/2</b> | 0,04564                           | 0,04568 | 0,04594 | 64          | 62    | 68   | 6,2                              | 7,8   |             |    |       |    |                |                        |
| <b>ECP3-1L/2</b> | 0,05148                           | 0,05144 | 0,05187 | 76          | 74    | 80   | 6                                | 7,2   |             |    |       |    |                |                        |
| <b>ECP3-2L/2</b> | 0,05735                           | 0,05731 | 0,05774 | 84          | 82    | 88   | 5,8                              | 6,8   |             |    |       |    |                |                        |
|                  |                                   |         |         |             |       |      |                                  |       |             |    |       |    |                |                        |
|                  |                                   |         |         |             |       |      |                                  |       |             |    |       |    | 10             | 0,02220                |
|                  |                                   |         |         |             |       |      |                                  |       |             |    |       |    | 11 1/2         | 0,03524                |

\* The J value of form MD35 is obtained by summing the J of the MD35 form with the J of the chosen SAE coupling discs.

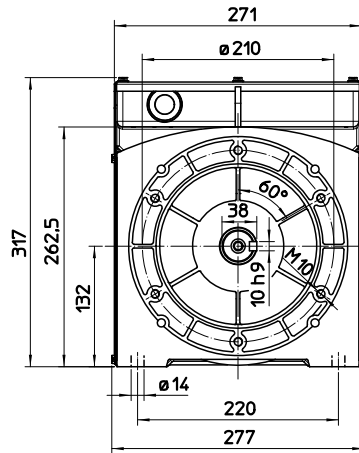
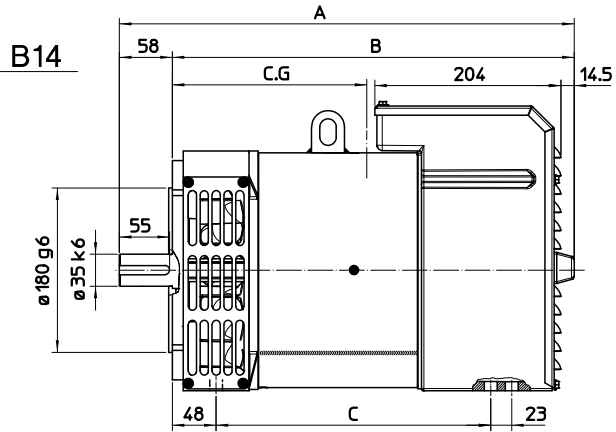
### ACCESSORIES

| REGULATOR |       |      | PARALLEL DEVICE | THERMAL PROTECTION |               |       | HEATERS | MECHANICAL PROTECTION |      |      |
|-----------|-------|------|-----------------|--------------------|---------------|-------|---------|-----------------------|------|------|
| DSR       | SR7/2 | UVR6 |                 | PTC                | BIMET. DEVICE | PT100 |         | IP21                  | IP23 | IP45 |
| ●         | □     | □    | □               | □                  | □             | □     | □       | ●                     | ●    | □    |

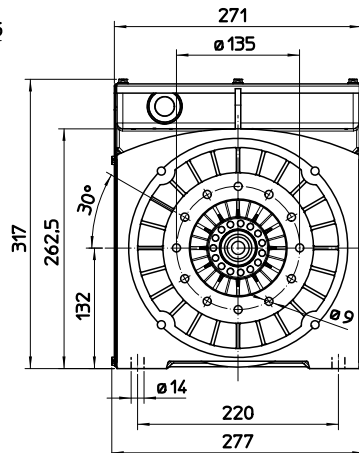
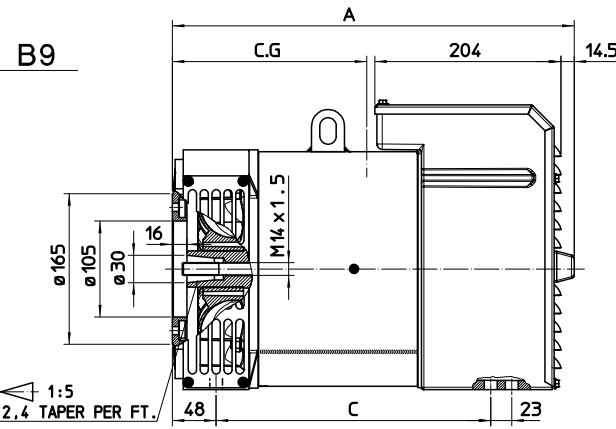
● = Standard  
□ = Optional

# OVERALL DIMENSIONS

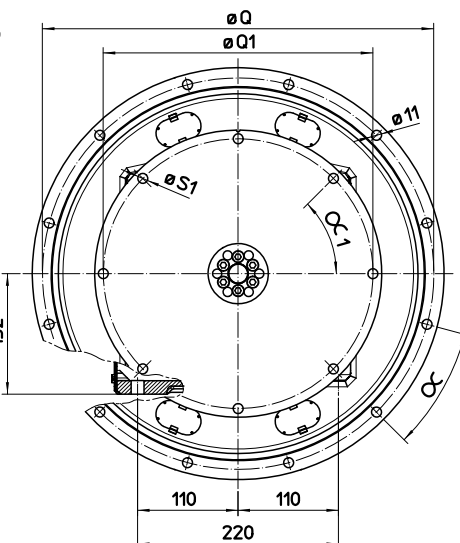
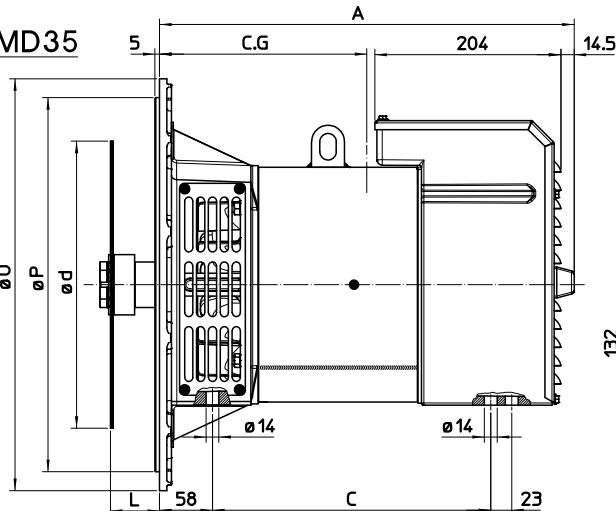
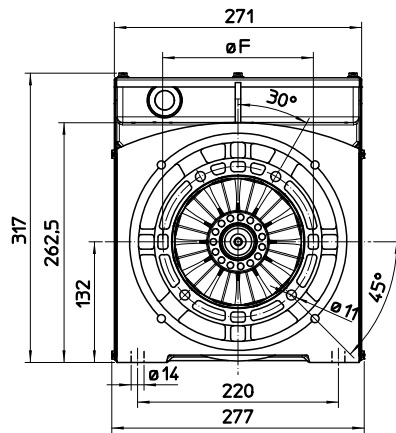
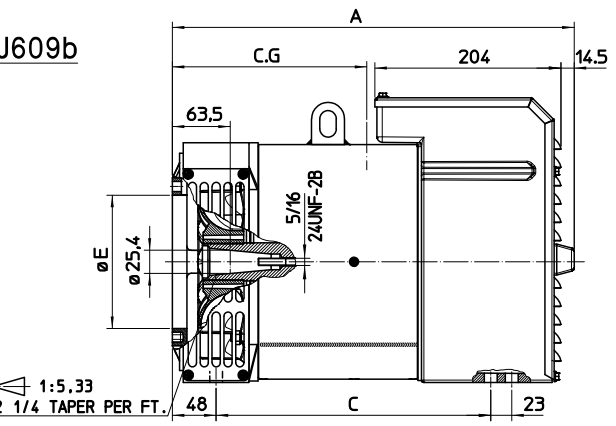
dimensions in mm



| FORM  | TYPE | A   | B   | C   | E     | F     |
|-------|------|-----|-----|-----|-------|-------|
| B3B14 | S    | 498 | 440 | 301 | /     | /     |
|       | L    | 568 | 510 | 371 | /     | /     |
| B9    | S    | 440 | /   | 301 | /     | /     |
|       | L    | 510 | /   | 371 | /     | /     |
| J609b | S    | 440 | /   | 301 | 146.1 | 165.1 |
|       | L    | 510 | /   | 371 | 163.6 | 196.8 |
| MD35  | S    | 454 | /   | 305 | /     | /     |
|       | L    | 524 | /   | 375 | /     | /     |



|        |    | C.G. = GRAVITY CENTER |     |       |      |
|--------|----|-----------------------|-----|-------|------|
|        |    | B3B14                 | B9  | J609b | MD35 |
| 2 POLE | 1S | 239                   | 243 | 245   | 237  |
|        | 2S | 233                   | 237 | 239   | 232  |
|        | 3S | 220                   | 223 | 225   | 221  |
|        | 1L | 267                   | 274 | 275   | 271  |
|        | 2L | 256                   | 261 | 262   | 260  |



| FLANGE |     |       |        |                     |        |
|--------|-----|-------|--------|---------------------|--------|
| SAE    | O   | P     | Q      | Fori N°<br>Holes N° | α      |
| 6      | 308 | 266.7 | 285.75 | 8                   | 22°30' |
| 5      | 356 | 314.3 | 333.4  | 8                   | 22°30' |
| 4      | 403 | 362   | 381    | 12                  | 15°    |
| 3      | 451 | 409.6 | 428.6  | 12                  | 15°    |

| COUPLING DISCS |      |        |        |          |    |                |
|----------------|------|--------|--------|----------|----|----------------|
| SAE            | L    | d      | Q1     | Holes N° | S1 | α <sub>1</sub> |
| 6 †            | 30.2 | 215.9  | 200    | 6        | 9  | 60°            |
| 7 †            | 30.2 | 241.3  | 222.25 | 8        | 9  | 45°            |
| 8              | 62   | 263.52 | 244.47 | 6        | 11 | 60°            |
| 10             | 53.8 | 314.52 | 295.27 | 8        | 11 | 45°            |
| 11 †           | 39.6 | 352.42 | 333.37 | 8        | 11 | 45°            |

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