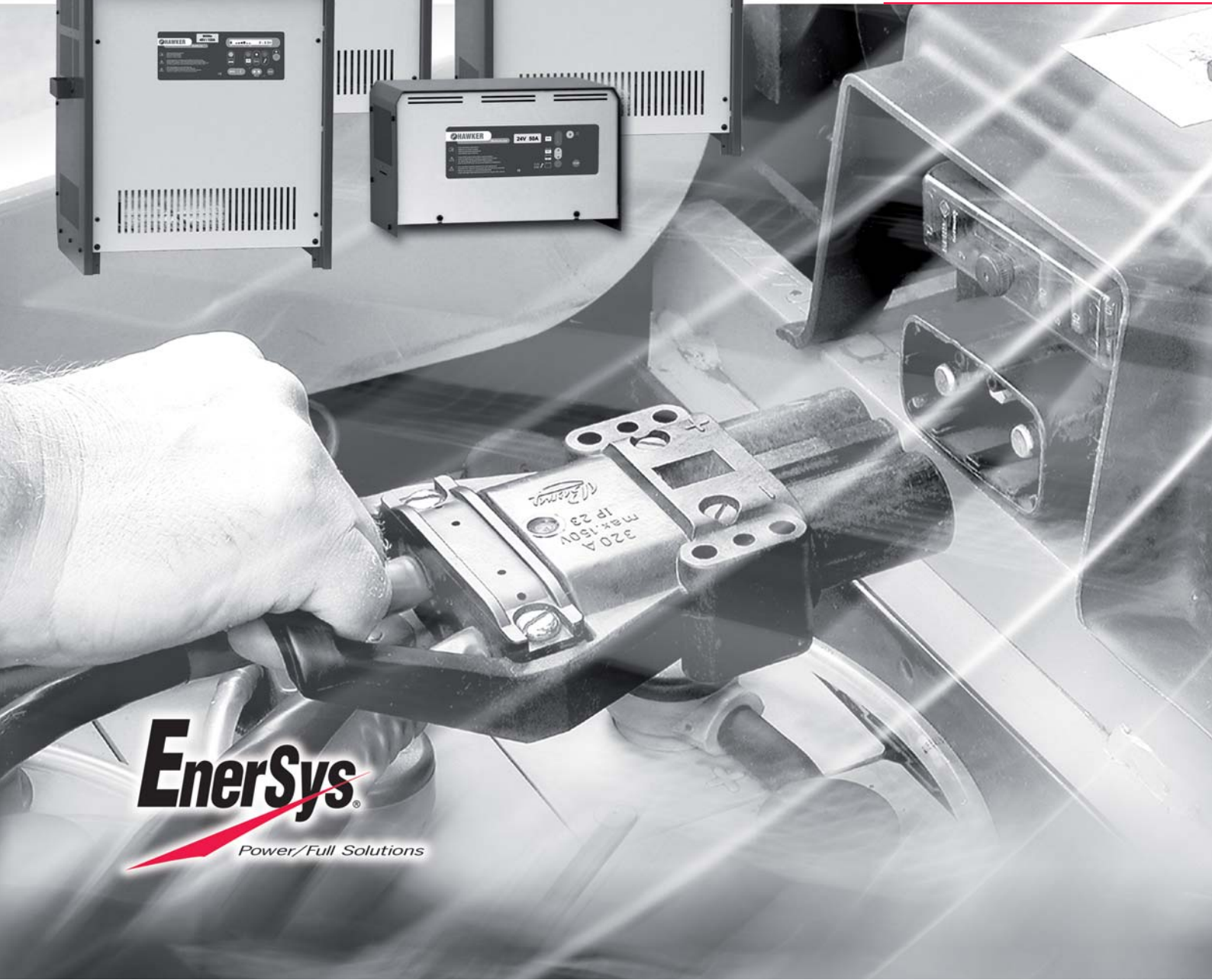




**Datos Técnicos**  
**cargadores Hawker**  
**Technical data**  
**Hawker chargers**  
**Données techniques**  
**Chargeurs Hawker**  
**MotionLine**  
**MasterLine puls/EU**  
**MultiLine W0Wa**  
**MultiLine IWU1a**



**EnerSys**  
Power/Full Solutions

**3 - 4 MotionLine**

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**5 MasterLine puls**

---

**6 MasterLine EU**

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**7 MultiLine W0Wpa**

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**8 MultiLine W0Wa EU**

---

**9 MultiLine IWUlp**

---

**10 MultiLine IWUIa EU**

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MotionLine

| Tipo de cargador         | Capacidad en función del tiempo de carga |             | Armario <sup>2)</sup> | Potencia de red    | Consumo         | Fusible de red gL/gG (lento) | Peso neto  | Fusible de batería | Sección de cable del cargador |
|--------------------------|--|-------------|-----------------------|--------------------|-----------------|------------------------------|------------|--------------------|-------------------------------|
| Charger type             | Capacity matching for charging time      |             | Cabinet <sup>2)</sup> | Mains power rating | Mains current   | Mains fuse gL/gG (slow)      | Weight net | Strip-fuse         | Charger cable cross section   |
| Type de chargeur         | Capacité en fonction du temps de charge  |             | Armoire <sup>2)</sup> | Puissance secteur  | Courant secteur | Fusible secteur gL/gG (lent) | Poids net  | Fusible batterie   | Câble de charge section       |
| MotionLine <sup>1)</sup> | 10 h - 12 h                              | 12 h - 14 h |                       | [kVA]              | [A / Phase]     | [A]                          | [kg]       | [A]                | [mm <sup>2</sup> ]            |
| E 24/ 10                 | 60 - 80                                  | 81 - 100    | E0-1                  | 0.4                | 1.6 E           | 16A                          | 14         | 35                 | 10                            |
| E 24/ 15                 | 81 - 120                                 | 121 - 150   | E0-1                  | 0.6                | 2.3 E           | 16A                          | 17         | 35                 | 10                            |
| E 24/ 20                 | 140 - 160                                | 161 - 200   | E0-1                  | 0.8                | 3.2 E           | 16A                          | 18         | 35                 | 10                            |
| E 24/ 25                 | 161 - 200                                | 201 - 250   | E0-1                  | 0.9                | 3.9 E           | 16A                          | 19         | 35                 | 10                            |
| E 24/ 30                 | 201 - 250                                | 251 - 300   | E1-1                  | 1.1                | 4.7 E           | 16A                          | 20         | 35                 | 10                            |
| E 24/ 35                 | 251 - 300                                | 301 - 350   | E1-1                  | 1.3                | 5.5 E           | 16A                          | 23         | 63                 | 10                            |
| E 24/ 40                 | 301 - 350                                | 351 - 400   | E1-1                  | 1.5                | 6.5 E           | 16A                          | 24         | 63                 | 10                            |
| E 24/ 45                 | 351 - 400                                | 401 - 450   | E1-1                  | 1.6                | 7.0 E           | 16A                          | 25         | 63                 | 10                            |
| E 24/ 50                 | 401 - 450                                | 451 - 500   | E1-1                  | 1.9                | 8.2 E           | 16A                          | 26         | 63                 | 16                            |
| E 24/ 60                 | 451 - 500                                | 501 - 600   | E2-1                  | 2.2                | 9.5 E           | 16A                          | 45         | 100                | 16                            |
| E 24/ 70                 | 501 - 600                                | 601 - 700   | E2-1                  | 2.6                | 11.3 E          | 16A                          | 46         | 100                | 25                            |
| E 24/ 80                 | 601 - 700                                | 701 - 800   | E2-1                  | 3.1                | 13.4 E          | 16A                          | 49         | 100                | 25                            |
| D 24/ 90                 | 701 - 800                                | 801 - 900   | E3-1                  | 3.3                | 4.7 D           | 10A                          | 52         | 100                | 25                            |
| D 24/ 100                | 801 - 900                                | 901 - 1000  | E3-1                  | 3.8                | 5.4 D           | 10A                          | 63         | 160                | 35                            |
| D 24/ 125                | 901 - 1000                               | 1001 - 1250 | E3-1                  | 4.8                | 6.9 D           | 10A                          | 68         | 160                | 35                            |
| D 24/ 150                | 1001 - 1250                              | 1251 - 1500 | E3-1                  | 5.9                | 8.5 D           | 16A                          | 85         | 200                | 50                            |
| D 24/ 170                | 1251 - 1500                              | 1501 - 1700 | E3-1                  | 7.0                | 10.1 D          | 16A                          | 88         | 200                | 50                            |
| E 36/ 20                 | 140 - 160                                | 161 - 200   | E1-1                  | 1.2                | 5.0 E           | 10A                          | 22         | 35                 | 10                            |
| E 36/ 25                 | 161 - 200                                | 201 - 250   | E1-1                  | 1.4                | 6.1 E           | 10A                          | 23         | 35                 | 10                            |
| E 36/ 30                 | 201 - 250                                | 251 - 300   | E1-1                  | 1.7                | 7.4 E           | 10A                          | 25         | 35                 | 10                            |
| E 36/ 35                 | 251 - 300                                | 301 - 350   | E2-1                  | 2.0                | 8.7 E           | 16A                          | 30         | 63                 | 10                            |
| E 36/ 40                 | 301 - 350                                | 351 - 400   | E2-1                  | 2.4                | 10.0 E          | 16A                          | 40         | 63                 | 10                            |
| E 36/ 45                 | 351 - 400                                | 401 - 450   | E2-1                  | 2.6                | 11.3 E          | 16A                          | 43         | 63                 | 16                            |
| E 36/ 50                 | 401 - 450                                | 451 - 500   | E2-1                  | 2.9                | 12.6 E          | 16A                          | 45         | 63                 | 16                            |
| D 36/ 60                 | 451 - 500                                | 501 - 600   | E3-1                  | 3.6                | 5.2 D           | 10A                          | 63         | 100                | 16                            |
| D 36/ 70                 | 501 - 600                                | 601 - 700   | E3-1                  | 4.2                | 6.0 D           | 10A                          | 66         | 100                | 16                            |
| D 36/ 80                 | 601 - 700                                | 701 - 800   | E3-1                  | 4.8                | 6.9 D           | 10A                          | 72         | 100                | 16                            |
| D 36/ 90                 | 701 - 800                                | 801 - 900   | E3-1                  | 5.2                | 7.5 D           | 10A                          | 81         | 100                | 16                            |
| D 36/ 100                | 801 - 900                                | 901 - 1000  | E3-1                  | 5.9                | 8.5 D           | 16A                          | 84         | 160                | 25                            |
| D 36/ 125                | 901 - 1000                               | 1001 - 1250 | E3-1                  | 7.4                | 10.7 D          | 16A                          | 90         | 160                | 35                            |
| D 36/ 150                | 1001 - 1250                              | 1251 - 1500 | E4-1                  | 8.9                | 12.8 D          | 16A                          | 96         | 200                | 50                            |
| D 36/ 170                | 1251 - 1500                              | 1501 - 1700 | E4-1                  | 10.5               | 15.1 D          | 20A                          | 110        | 200                | 50                            |
| E 48/ 25                 | 161 - 200                                | 201 - 250   | E2-1                  | 1.8                | 7.8 E           | 10A                          | 40         | 35                 | 10                            |
| E 48/ 30                 | 201 - 250                                | 251 - 300   | E2-1                  | 2.2                | 9.5 E           | 16A                          | 42         | 35                 | 10                            |
| E 48/ 35                 | 251 - 300                                | 301 - 350   | E2-1                  | 2.6                | 11.2 E          | 16A                          | 45         | 63                 | 10                            |
| E 48/ 40                 | 301 - 350                                | 351 - 400   | E2-1                  | 3.2                | 13.9 E          | 16A                          | 49         | 63                 | 10                            |
| D 48/ 45                 | 351 - 400                                | 401 - 450   | E3-1                  | 3.4                | 5.0 D           | 10A                          | 63         | 63                 | 16                            |
| D 48/ 50                 | 401 - 450                                | 451 - 500   | E3-1                  | 3.6                | 5.2 D           | 10A                          | 65         | 63                 | 16                            |
| D 48/ 60                 | 451 - 500                                | 501 - 600   | E3-1                  | 4.4                | 6.3 D           | 10A                          | 68         | 100                | 16                            |
| D 48/ 70                 | 501 - 600                                | 601 - 700   | E3-1                  | 5.2                | 7.5 D           | 10A                          | 70         | 100                | 16                            |
| D 48/ 80                 | 601 - 700                                | 701 - 800   | E3-1                  | 6.0                | 8.6 D           | 16A                          | 72         | 100                | 16                            |
| D 48/ 90                 | 701 - 800                                | 801 - 900   | E3-1                  | 6.9                | 10.0 D          | 16A                          | 75         | 100                | 16                            |
| D 48/ 100                | 801 - 900                                | 901 - 1000  | E3-1                  | 7.4                | 10.6 D          | 16A                          | 78         | 160                | 25                            |
| D 48/ 125                | 901 - 1000                               | 1001 - 1250 | E3-1                  | 9.0                | 13.0 D          | 16A                          | 82         | 160                | 35                            |
| D 48/ 150                | 1001 - 1250                              | 1251 - 1500 | E4-1                  | 11.9               | 17.2 D          | 20A                          | 88         | 200                | 50                            |
| D 48/ 170                | 1251 - 1500                              | 1501 - 1700 | E4-1                  | 14.9               | 21.5 D          | 25A                          | 112        | 200                | 50                            |

## MotionLine

| Tipo de cargador         | Capacidad en función del tiempo de carga |             | Armario <sup>2)</sup> | Potencia de red    | Consumo         | Fusible de red gL/gG (lento) | Peso neto  | Fusible de batería | Sección de cable del cargador |
|--------------------------|--|-------------|-----------------------|--------------------|-----------------|------------------------------|------------|--------------------|-------------------------------|
| Charger type             | Capacity matching for charging time      |             | Cabinet <sup>2)</sup> | Mains power rating | Mains current   | Mains fuse gL/gG (slow)      | Weight net | Strip-fuse         | Charger cable cross section   |
| Type de chargeur         | Capacité en fonction du temps de charge  |             | Armoire <sup>2)</sup> | Puissance secteur  | Courant secteur | Fusible secteur gL/gG (lent) | Poids net  | Fusible batterie   | Câble de charge section       |
| MotionLine <sup>1)</sup> | 10 h - 12 h                              | 12 h - 14 h |                       | [kVA]              | [A / Phase]     | [A]                          | [kg]       | [A]                | [mm <sup>2</sup> ]            |
| E 80/ 25                 | 161 - 200                                | 201 - 250   | E2-1                  | 3.0                | 13.0 E          | 16A                          | 48         | 35                 | 10                            |
| D 80/ 30                 | 201 - 250                                | 251 - 300   | E3-1                  | 4.2                | 6.0 D           | 10A                          | 59         | 63                 | 16                            |
| D 80/ 35                 | 251 - 300                                | 301 - 350   | E3-1                  | 4.5                | 6.3 D           | 10A                          | 64         | 63                 | 16                            |
| D 80/ 40                 | 301 - 350                                | 351 - 400   | E3-1                  | 5.2                | 7.5 D           | 10A                          | 66         | 63                 | 16                            |
| D 80/ 45                 | 351 - 400                                | 401 - 450   | E3-1                  | 5.7                | 8.1 D           | 16A                          | 68         | 63                 | 16                            |
| D 80/ 50                 | 401 - 450                                | 451 - 500   | E3-1                  | 6.2                | 8.9 D           | 16A                          | 70         | 63                 | 16                            |
| D 80/ 60                 | 451 - 500                                | 501 - 600   | E3-1                  | 7.4                | 10.7 D          | 16A                          | 73         | 100                | 16                            |
| D 80/ 70                 | 501 - 600                                | 601 - 700   | E3-1                  | 8.9                | 12.8 D          | 16A                          | 81         | 100                | 16                            |
| D 80/ 80                 | 601 - 700                                | 701 - 800   | E3-1                  | 10.0               | 14.4 D          | 16A                          | 86         | 100                | 16                            |
| D 80/ 90                 | 701 - 800                                | 801 - 900   | E4-1                  | 11.2               | 16.1 D          | 20A                          | 91         | 100                | 16                            |
| D 80/ 100                | 801 - 900                                | 901 - 1000  | E4-1                  | 12.3               | 17.7 D          | 20A                          | 100        | 160                | 25                            |
| D 80/ 125                | 901 - 1000                               | 1001 - 1250 | E4-1                  | 15.2               | 21.6 D          | 25A                          | 116        | 160                | 35                            |
| D 80/ 150                | 1001 - 1250                              | 1251 - 1500 | E4-1                  | 19.8               | 28.6 D          | 35A                          | 125        | 200                | 50                            |

| Tipo de armario | Altura  | Anchura | Profundidad |
|-----------------|---------|---------|-------------|
| Type of cabinet | Height  | Width   | Depth       |
| Type d'armoire  | Hauteur | Largeur | Profondeur  |
|                 | [mm]    | [mm]    | [mm]        |
| E0 - 1          | 205     | 330     | 235         |
| E1 - 1          | 260     | 410     | 260         |
| E2 - 1          | 425     | 390     | 350         |
| E3 - 1          | 525     | 500     | 450         |
| E4 - 1          | 725     | 500     | 450         |

<sup>1)</sup> Todos los tiempos de carga están referidos a una batería con un 80% de PDD y una temperatura de electrolito de 30°C

Código IP 21 (otros grados de protección bajo demanda)

Clase de protección: 1

Rango de temperatura: 0 a 40°C

humedad hasta el 95% (sin rocío)

Voltaje de salida: 24, 36, 48 y 80v

(Voltajes especiales bajo demanda)

Voltaje de red:

Tipo E monofásico AC 230 V 50/60 Hz (1/N/PE)

Tipo D trifásico AC 400 V 50/60 Hz (3/PE)

<sup>1)</sup> All charging times are referred to a battery with 80% DOD and an electrolyte temperature of 30°C

IP code 21 (other degrees of IP protection on request)

Protection class: 1

Temperature range: 0 to 40°C

humidity up to 95% (none dewing)

Output voltage: 24, 36, 48 and 80 V

(Special voltages on request)

Mains voltage:

Type E single phase AC 230 V 50/60 Hz (1/N/PE)

Type D three phase AC 400 V 50/60 Hz (3/PE)

<sup>1)</sup> Les temps de charge indiqués, correspondent à la recharge d'une batterie déchargée à 80% et à une température d'électrolyte de 30°C

Indice de protection IP 21 (autres indices sur demande)

Classe: 1

Plage de température: 0 à 40°C

humidité de l'air max. 95% (sans rosée)

Tension de sortie: 24, 36, 48 et 80 V

(autres tensions sur demande)

Tension secteur:

Type E monophasé 230 V 50/60 Hz (1/N/PE)

Type D triphasé 400 V 50/60 Hz (3/PE)

<sup>2)</sup> Cargador de montaje en pared/suelo

<sup>2)</sup> wall mounted/floor mounted charger

<sup>2)</sup> Installation murale/au sol

MasterLine puls

| Tipo de cargador              | Capacidad en función del tiempo de carga |              | Armario <sup>2)</sup> | Potencia de red    | Consumo         | Fusible de red gL/gG (lento) | Peso neto  | Fusible de batería | Sección de cable del cargador |
|-------------------------------|--|--------------|-----------------------|--------------------|-----------------|------------------------------|------------|--------------------|-------------------------------|
| Charger type                  | Capacity matching for charging time      |              | Cabinet <sup>2)</sup> | Mains power rating | Mains current   | Mains fuse gL/gG (slow)      | Weight net | Strip-fuse         | Charger cable cross section   |
| Type de chargeur              | Capacité en fonction du temps de charge  |              | Armoire <sup>2)</sup> | Puissance secteur  | Courant secteur | Fusible secteur gL/gG (lent) | Poids net  | Fusible batterie   | Câble de charge section       |
| MasterLine puls <sup>1)</sup> | 7.5 h - 8.5 h                            | 8.5 h - 10 h |                       | [kVA]              | [A /Phase]      | [A]                          | [kg]       | [A]                | [mm <sup>2</sup> ]            |
| E 24/ 30                      | 176 - 210                                | 211 - 240    | G 2-1                 | 1.1                | 4.7 E           | 10A                          | 31         | 35                 | 10                            |
| E 24/ 35                      | 211 - 240                                | 241 - 280    | G 2-1                 | 1.3                | 5.5 E           | 10A                          | 33         | 63                 | 10                            |
| E 24/ 40                      | 241 - 280                                | 281 - 320    | G 2-1                 | 1.5                | 6.5 E           | 10A                          | 35         | 63                 | 10                            |
| E 24/ 45                      | 281 - 320                                | 321 - 350    | G 2-1                 | 1.6                | 7.0 E           | 10A                          | 36         | 63                 | 10                            |
| E 24/ 50                      | 321 - 350                                | 351 - 420    | G 2-1                 | 1.9                | 8.2 E           | 16A                          | 38         | 63                 | 16                            |
| E 24/ 60                      | 351 - 420                                | 421 - 490    | G 2-1                 | 2.2                | 9.5 E           | 16A                          | 43         | 100                | 16                            |
| E 24/ 70                      | 421 - 490                                | 491 - 560    | G 2-1                 | 2.6                | 11.3 E          | 16A                          | 46         | 100                | 25                            |
| E 24/ 80                      | 491 - 560                                | 561 - 630    | G 2-1                 | 3.1                | 13.4 E          | 16A                          | 49         | 100                | 25                            |
| D 24/ 90                      | 561 - 630                                | 631 - 710    | G 3-1                 | 3.3                | 4.7 D           | 10A                          | 53         | 100                | 25                            |
| D 24/ 100                     | 631 - 710                                | 711 - 840    | G 3-1                 | 3.8                | 5.4 D           | 10A                          | 76         | 160                | 35                            |
| D 24/ 125                     | 711 - 840                                | 841 - 1000   | G 3-1                 | 4.8                | 6.9 D           | 10A                          | 78         | 160                | 35                            |
| D 24/ 150                     | 841 - 1000                               | 1001 - 1200  | G 3-1                 | 5.9                | 8.5 D           | 16A                          | 87         | 200                | 50                            |
| D 24/ 170                     | 1001 - 1200                              | 1201 - 1380  | G 3-1                 | 7.0                | 10.1 D          | 16A                          | 94         | 200                | 50                            |

|           |             |             |       |      |        |     |     |     |    |
|-----------|-------------|-------------|-------|------|--------|-----|-----|-----|----|
| E 36/ 30  | 176 - 210   | 211 - 240   | G 2-1 | 1.7  | 7.4 E  | 10A | 36  | 35  | 10 |
| E 36/ 35  | 211 - 240   | 241 - 280   | G 2-1 | 2.0  | 8.7 E  | 16A | 40  | 63  | 10 |
| E 36/ 40  | 241 - 280   | 281 - 320   | G 2-1 | 2.4  | 10.0 E | 16A | 42  | 63  | 10 |
| E 36/ 45  | 281 - 320   | 321 - 350   | G 2-1 | 2.6  | 11.3 E | 16A | 44  | 63  | 16 |
| E 36/ 50  | 321 - 350   | 351 - 420   | G 2-1 | 2.9  | 12.6 E | 16A | 49  | 63  | 16 |
| D 36/ 60  | 351 - 420   | 421 - 490   | G 3-1 | 3.6  | 5.2 D  | 10A | 70  | 100 | 16 |
| D 36/ 70  | 421 - 490   | 491 - 560   | G 3-1 | 4.2  | 6.0 D  | 10A | 72  | 100 | 16 |
| D 36/ 80  | 491 - 560   | 561 - 630   | G 3-1 | 4.8  | 6.9 D  | 10A | 75  | 100 | 16 |
| D 36/ 90  | 561 - 630   | 631 - 710   | G 3-1 | 5.2  | 7.5 D  | 10A | 77  | 100 | 16 |
| D 36/ 100 | 631 - 710   | 711 - 840   | G 3-1 | 5.9  | 8.5 D  | 16A | 80  | 160 | 25 |
| D 36/ 125 | 711 - 840   | 841 - 1000  | G 3-1 | 7.4  | 10.7 D | 16A | 84  | 160 | 35 |
| D 36/ 150 | 841 - 1000  | 1001 - 1200 | G 4-1 | 8.9  | 12.8 D | 16A | 95  | 200 | 50 |
| D 36/ 170 | 1001 - 1200 | 1201 - 1380 | G 4-1 | 10.5 | 15.1 D | 20A | 109 | 200 | 50 |

|           |             |             |       |      |        |     |     |     |    |
|-----------|-------------|-------------|-------|------|--------|-----|-----|-----|----|
| E 48/ 30  | 176 - 210   | 211 - 240   | G 2-1 | 2.2  | 9.5 E  | 16A | 49  | 35  | 10 |
| E 48/ 35  | 211 - 240   | 241 - 280   | G 2-1 | 2.6  | 11.2 E | 16A | 51  | 63  | 10 |
| E 48/ 40  | 241 - 280   | 281 - 320   | G 2-1 | 3.2  | 13.9 E | 16A | 53  | 63  | 10 |
| D 48/ 45  | 281 - 320   | 321 - 350   | G 3-1 | 3.4  | 5.0 D  | 10A | 68  | 63  | 16 |
| D 48/ 50  | 321 - 350   | 351 - 420   | G 3-1 | 3.6  | 5.2 D  | 10A | 70  | 63  | 16 |
| D 48/ 60  | 351 - 420   | 421 - 490   | G 3-1 | 4.4  | 6.3 D  | 10A | 72  | 100 | 16 |
| D 48/ 70  | 421 - 490   | 491 - 560   | G 3-1 | 5.2  | 7.5 D  | 10A | 74  | 100 | 16 |
| D 48/ 80  | 491 - 560   | 561 - 630   | G 3-1 | 6.0  | 8.6 D  | 16A | 76  | 100 | 16 |
| D 48/ 90  | 561 - 630   | 631 - 710   | G 3-1 | 6.9  | 10.0 D | 16A | 79  | 100 | 16 |
| D 48/ 100 | 631 - 710   | 711 - 840   | G 3-1 | 7.4  | 10.6 D | 16A | 82  | 160 | 25 |
| D 48/ 125 | 711 - 840   | 841 - 1000  | G 3-1 | 9.0  | 13.0 D | 16A | 86  | 160 | 35 |
| D 48/ 150 | 841 - 1000  | 1001 - 1200 | G 4-1 | 11.9 | 17.2 D | 20A | 99  | 200 | 50 |
| D 48/ 170 | 1001 - 1200 | 1201 - 1380 | G 4-1 | 14.9 | 21.5 D | 25A | 112 | 200 | 50 |

|           |             |             |       |      |        |     |     |     |    |
|-----------|-------------|-------------|-------|------|--------|-----|-----|-----|----|
| D 80/ 30  | 176 - 210   | 211 - 240   | G 3-1 | 4.2  | 6.0 D  | 10A | 68  | 63  | 16 |
| D 80/ 35  | 211 - 240   | 241 - 280   | G 3-1 | 4.5  | 6.3 D  | 10A | 70  | 63  | 16 |
| D 80/ 40  | 241 - 280   | 281 - 320   | G 3-1 | 5.2  | 7.5 D  | 10A | 72  | 63  | 16 |
| D 80/ 45  | 281 - 320   | 321 - 350   | G 3-1 | 5.7  | 8.1 D  | 16A | 74  | 63  | 16 |
| D 80/ 50  | 321 - 350   | 351 - 420   | G 3-1 | 6.2  | 8.9 D  | 16A | 76  | 63  | 16 |
| D 80/ 60  | 351 - 420   | 421 - 490   | G 3-1 | 7.4  | 10.7 D | 16A | 79  | 100 | 16 |
| D 80/ 70  | 421 - 490   | 491 - 560   | G 4-1 | 8.9  | 12.8 D | 16A | 89  | 100 | 16 |
| D 80/ 80  | 491 - 560   | 561 - 630   | G 4-1 | 10.0 | 14.4 D | 16A | 92  | 100 | 16 |
| D 80/ 90  | 561 - 630   | 631 - 710   | G 4-1 | 11.2 | 16.1 D | 20A | 96  | 100 | 16 |
| D 80/ 100 | 631 - 710   | 711 - 840   | G 4-1 | 12.3 | 17.7 D | 20A | 106 | 160 | 25 |
| D 80/ 125 | 711 - 840   | 841 - 1000  | G 4-1 | 15.2 | 21.6 D | 25A | 116 | 160 | 35 |
| D 80/ 150 | 841 - 1000  | 1001 - 1200 | G 4-1 | 19.8 | 28.6 D | 35A | 125 | 200 | 50 |
| D 80/ 170 | 1001 - 1200 | 1201 - 1380 | G 4-1 | 21.4 | 30.9 D | 35A | 148 | 200 | 50 |

<sup>1)</sup> Vea anotación en la página 4

<sup>2)</sup> Cargador de montaje en pared/suelo

<sup>1)</sup> Voir remarques page 4

<sup>2)</sup> Installation murale/au sol

<sup>1)</sup> See annotation on page 4

<sup>2)</sup> wall mounted/floor mounted charger

| Tipo de armario | Altura  | Anchura | Profundidad |
|-----------------|---------|---------|-------------|
| Type of cabinet | Height  | Width   | Depth       |
| Type d'armoire  | Hauteur | Largeur | Pro-fondeur |
|                 | [mm]    | [mm]    | [mm]        |
| G 2 - 1         | 380     | 575     | 380         |
| G 3 - 1         | 690     | 575     | 440         |
| G 4 - 1         | 690     | 575     | 540         |



**MasterLine EU**

| Tipo de cargador            | Capacidad en función del tiempo de carga |             |             | Armario <sup>2)</sup> | Potencia de red    | Consumo         | Fusible de red gL/gG (lento) | Peso neto  | Fusible de batería | Sección de cable del cargador |
|-----------------------------|--|-------------|-------------|-----------------------|--------------------|-----------------|------------------------------|------------|--------------------|-------------------------------|
| Charger type                | Capacity matching for charging time      |             |             | Cabinet <sup>2)</sup> | Mains power rating | Mains current   | Mains fuse gL/gG (slow)      | Weight net | Strip-fuse         | Charger cable cross section   |
| Type de chargeur            | Capacité en fonction du temps de charge  |             |             | Armoire <sup>2)</sup> | Puissance secteur  | Courant secteur | Fusible secteur gL/gG (lent) | Poids net  | Fusible batterie   | Câble de charge section       |
| MasterLine EU <sup>1)</sup> | 6 - 7 h*                                 | 7 - 8 h*    | 8 - 10 h*   |                       | [kVA]              | [A/Phase]       | [A]                          | [kg]       | [A]                | [mm <sup>2</sup> ]            |
| E 24/ 30                    | 160 - 185                                | 186 - 220   | 221 - 250   | G 2-1                 | 1.1                | 4.7 E           | 10A                          | 31         | 35                 | 10                            |
| E 24/ 35                    | 186 - 220                                | 221 - 250   | 251 - 280   | G 2-1                 | 1.3                | 5.5 E           | 10A                          | 33         | 63                 | 10                            |
| E 24/ 40                    | 221 - 250                                | 251 - 280   | 281 - 320   | G 2-1                 | 1.5                | 6.5 E           | 10A                          | 35         | 63                 | 10                            |
| E 24/ 45                    | 251 - 280                                | 281 - 320   | 321 - 375   | G 2-1                 | 1.6                | 7.0 E           | 10A                          | 36         | 63                 | 10                            |
| E 24/ 50                    | 281 - 320                                | 321 - 375   | 376 - 430   | G 2-1                 | 1.9                | 8.2 E           | 16A                          | 38         | 63                 | 16                            |
| E 24/ 60                    | 321 - 375                                | 376 - 430   | 431 - 490   | G 2-1                 | 2.2                | 9.5 E           | 16A                          | 43         | 100                | 16                            |
| E 24/ 70                    | 376 - 430                                | 431 - 490   | 491 - 560   | G 2-1                 | 2.6                | 11.3 E          | 16A                          | 46         | 100                | 25                            |
| E 24/ 80                    | 431 - 490                                | 491 - 560   | 561 - 680   | G 2-1                 | 3.1                | 13.4 E          | 16A                          | 49         | 100                | 25                            |
| D 24/ 90                    | 491 - 560                                | 561 - 680   | 681 - 810   | G 3-1                 | 3.3                | 4.7 D           | 10A                          | 53         | 100                | 25                            |
| D 24/ 100                   | 561 - 680                                | 681 - 810   | 811 - 920   | G 3-1                 | 3.8                | 5.4 D           | 10A                          | 76         | 160                | 35                            |
| D 24/ 125                   | 681 - 810                                | 811 - 920   | 921 - 1050  | G 3-1                 | 4.8                | 6.9 D           | 10A                          | 78         | 160                | 35                            |
| D 24/ 150                   | 811 - 920                                | 921 - 1050  | 1051 - 1200 | G 3-1                 | 5.9                | 8.5 D           | 16A                          | 87         | 200                | 50                            |
| D 24/ 170                   | 921 - 1050                               | 1051 - 1200 | 1201 - 1400 | G 3-1                 | 7.0                | 10.1 D          | 16A                          | 94         | 200                | 50                            |

|           |            |             |             |       |      |        |     |     |     |    |
|-----------|------------|-------------|-------------|-------|------|--------|-----|-----|-----|----|
| E 36/ 30  | 160 - 185  | 186 - 220   | 221 - 250   | G 2-1 | 1.7  | 7.4 E  | 10A | 36  | 35  | 10 |
| E 36/ 35  | 186 - 220  | 221 - 250   | 251 - 280   | G 2-1 | 2.0  | 8.7 E  | 16A | 40  | 63  | 10 |
| E 36/ 40  | 221 - 250  | 251 - 280   | 281 - 320   | G 2-1 | 2.4  | 10.0 E | 16A | 42  | 63  | 10 |
| E 36/ 45  | 251 - 280  | 281 - 320   | 321 - 375   | G 2-1 | 2.6  | 11.3 E | 16A | 44  | 63  | 16 |
| E 36/ 50  | 281 - 320  | 321 - 375   | 376 - 430   | G 2-1 | 2.9  | 12.6 E | 16A | 49  | 63  | 16 |
| D 36/ 60  | 321 - 375  | 376 - 430   | 431 - 490   | G 3-1 | 3.6  | 5.2 D  | 10A | 70  | 100 | 16 |
| D 36/ 70  | 376 - 430  | 431 - 490   | 491 - 560   | G 3-1 | 4.2  | 6.0 D  | 10A | 72  | 100 | 16 |
| D 36/ 80  | 431 - 490  | 491 - 560   | 561 - 680   | G 3-1 | 4.8  | 6.9 D  | 10A | 75  | 100 | 16 |
| D 36/ 90  | 491 - 560  | 561 - 680   | 681 - 810   | G 3-1 | 5.2  | 7.5 D  | 10A | 77  | 100 | 16 |
| D 36/ 100 | 561 - 680  | 681 - 810   | 811 - 920   | G 3-1 | 5.9  | 8.5 D  | 16A | 80  | 160 | 25 |
| D 36/ 125 | 681 - 810  | 811 - 920   | 921 - 1050  | G 3-1 | 7.4  | 10.7 D | 16A | 84  | 160 | 35 |
| D 36/ 150 | 811 - 920  | 921 - 1050  | 1051 - 1200 | G 4-1 | 8.9  | 12.8 D | 16A | 95  | 200 | 50 |
| D 36/ 170 | 921 - 1050 | 1051 - 1200 | 1201 - 1400 | G 4-1 | 10.5 | 15.1 D | 20A | 109 | 200 | 50 |

|           |            |             |             |       |      |        |     |     |     |    |
|-----------|------------|-------------|-------------|-------|------|--------|-----|-----|-----|----|
| E 48/ 30  | 160 - 185  | 186 - 220   | 221 - 250   | G 2-1 | 2.2  | 9.5 E  | 16A | 49  | 35  | 10 |
| E 48/ 35  | 186 - 220  | 221 - 250   | 251 - 280   | G 2-1 | 2.6  | 11.2 E | 16A | 51  | 63  | 10 |
| E 48/ 40  | 221 - 250  | 251 - 280   | 281 - 320   | G 2-1 | 3.2  | 13.9 E | 16A | 53  | 63  | 10 |
| D 48/ 45  | 251 - 280  | 281 - 320   | 321 - 375   | G 3-1 | 3.4  | 5.0 D  | 10A | 68  | 63  | 16 |
| D 48/ 50  | 281 - 320  | 321 - 375   | 376 - 430   | G 3-1 | 3.6  | 5.2 D  | 10A | 70  | 63  | 16 |
| D 48/ 60  | 321 - 375  | 376 - 430   | 431 - 490   | G 3-1 | 4.4  | 6.3 D  | 10A | 72  | 100 | 16 |
| D 48/ 70  | 376 - 430  | 431 - 490   | 491 - 560   | G 3-1 | 5.2  | 7.5 D  | 10A | 74  | 100 | 16 |
| D 48/ 80  | 431 - 490  | 491 - 560   | 561 - 680   | G 3-1 | 6.0  | 8.6 D  | 16A | 76  | 100 | 16 |
| D 48/ 90  | 491 - 560  | 561 - 680   | 681 - 810   | G 3-1 | 6.9  | 10.0 D | 16A | 79  | 100 | 16 |
| D 48/ 100 | 561 - 680  | 681 - 810   | 811 - 920   | G 3-1 | 7.4  | 10.6 D | 16A | 82  | 160 | 25 |
| D 48/ 125 | 681 - 810  | 811 - 920   | 921 - 1050  | G 3-1 | 9.0  | 13.0 D | 16A | 86  | 160 | 35 |
| D 48/ 150 | 811 - 920  | 921 - 1050  | 1051 - 1200 | G 4-1 | 11.9 | 17.2 D | 20A | 99  | 200 | 50 |
| D 48/ 170 | 921 - 1050 | 1051 - 1200 | 1201 - 1400 | G 4-1 | 14.9 | 21.5 D | 25A | 112 | 200 | 50 |

|           |            |             |             |       |      |        |     |     |     |    |
|-----------|------------|-------------|-------------|-------|------|--------|-----|-----|-----|----|
| D 80/ 30  | 160 - 185  | 186 - 220   | 221 - 250   | G 3-1 | 4.2  | 6.0 D  | 10A | 68  | 63  | 16 |
| D 80/ 35  | 186 - 220  | 221 - 250   | 251 - 280   | G 3-1 | 4.5  | 6.3 D  | 10A | 70  | 63  | 16 |
| D 80/ 40  | 221 - 250  | 251 - 280   | 281 - 320   | G 3-1 | 5.2  | 7.5 D  | 10A | 72  | 63  | 16 |
| D 80/ 45  | 251 - 280  | 281 - 320   | 321 - 375   | G 3-1 | 5.7  | 8.1 D  | 16A | 74  | 63  | 16 |
| D 80/ 50  | 281 - 320  | 321 - 375   | 376 - 430   | G 3-1 | 6.2  | 8.9 D  | 16A | 76  | 63  | 16 |
| D 80/ 60  | 321 - 375  | 376 - 430   | 431 - 490   | G 3-1 | 7.4  | 10.7 D | 16A | 79  | 100 | 16 |
| D 80/ 70  | 376 - 430  | 431 - 490   | 491 - 560   | G 4-1 | 8.9  | 12.8 D | 16A | 89  | 100 | 16 |
| D 80/ 80  | 431 - 490  | 491 - 560   | 561 - 680   | G 4-1 | 10.0 | 14.4 D | 16A | 92  | 100 | 16 |
| D 80/ 90  | 491 - 560  | 561 - 680   | 681 - 810   | G 4-1 | 11.2 | 16.1 D | 20A | 96  | 100 | 16 |
| D 80/ 100 | 561 - 680  | 681 - 810   | 811 - 920   | G 4-1 | 12.3 | 17.7 D | 20A | 106 | 160 | 25 |
| D 80/ 125 | 681 - 810  | 811 - 920   | 921 - 1050  | G 4-1 | 15.2 | 21.6 D | 25A | 116 | 160 | 35 |
| D 80/ 150 | 811 - 920  | 921 - 1050  | 1051 - 1200 | G 4-1 | 19.8 | 28.6 D | 35A | 125 | 200 | 50 |
| D 80/ 170 | 921 - 1050 | 1051 - 1200 | 1201 - 1400 | G 4-1 | 21.4 | 30.9 D | 35A | 148 | 200 | 50 |

\* con circulación de electrolito

<sup>1)</sup> Vea anotación en la página 4

<sup>2)</sup> Cargador de montaje en pared/suelo

\* with electrolyte circulation

<sup>1)</sup> See annotation on page 4

<sup>2)</sup> wall mounted/floor mounted charger

\* avec brassage

<sup>1)</sup> Voir remarques page 4

<sup>2)</sup> Installation murale/au sol

**MultiLine WOWa**

| Tipo de cargador              | Capacidad en función del tiempo de carga |              |             | Arma-rio <sup>2)</sup>  | Potencia de red    | Consumo         | Fusible de red gL/gG (lento) | Peso neto  | Fusible de batería | Sección de cable del cargador |
|-------------------------------|--|--------------|-------------|-------------------------|--------------------|-----------------|------------------------------|------------|--------------------|-------------------------------|
| Charger type                  | Capacity matching for charging time      |              |             | Ca-binets <sup>2)</sup> | Mains power rating | Mains current   | Mains fuse gL/gG (slow)      | Weight net | Strip-fuse         | Charger cable cross section   |
| Type de chargeur              | Capacité en fonction du temps de charge  |              |             | Ar-moire <sup>2)</sup>  | Puissance secteur  | Courant secteur | Fusible secteur gL/gG (lent) | Poids net  | Fusible batterie   | Câble de charge section       |
| MultiLine WOWpa <sup>1)</sup> | 7.5 h - 8.5 h                            | 8.5 h - 10 h | 10 h - 12 h |                         | [kVA]              | [A/Phase]       | [A]                          | [kg]       | [A]                | [mm <sup>2</sup> ]            |
| E 24/ 30                      | 150 - 175                                | 176 - 200    | 201 - 250   | G 2-1                   | 1.10               | 4.7 E           | 10A                          | 31         | 35                 | 10                            |
| E 24/ 35                      | 175 - 205                                | 206 - 235    | 236 - 290   | G 2-1                   | 1.30               | 5.5 E           | 10A                          | 33         | 63                 | 10                            |
| E 24/ 40                      | 200 - 235                                | 236 - 265    | 266 - 335   | G 2-1                   | 1.50               | 6.5 E           | 10A                          | 35         | 63                 | 10                            |
| E 24/ 50                      | 250 - 295                                | 296 - 335    | 336 - 420   | G 2-1                   | 1.90               | 8.2 E           | 16A                          | 38         | 63                 | 16                            |
| E 24/ 60                      | 300 - 350                                | 351 - 400    | 401 - 500   | G 2-1                   | 2.20               | 9.5 E           | 16A                          | 43         | 100                | 16                            |
| E 24/ 70                      | 350 - 410                                | 411 - 465    | 466 - 580   | G 2-1                   | 2.60               | 11.3 E          | 16A                          | 46         | 100                | 25                            |
| E 24/ 80                      | 400 - 470                                | 471 - 535    | 536 - 665   | G 2-1                   | 3.10               | 13.4 E          | 16A                          | 49         | 100                | 25                            |
| D 24/ 90                      | 450 - 530                                | 531 - 600    | 601 - 750   | G 3-1                   | 3.30               | 4.7 D           | 10A                          | 53         | 100                | 25                            |
| D 24/ 100                     | 500 - 590                                | 591 - 665    | 666 - 835   | G 3-1                   | 3.80               | 5.4 D           | 10A                          | 76         | 160                | 35                            |
| D 24/ 125                     | 625 - 735                                | 736 - 835    | 836 - 1050  | G 3-1                   | 4.80               | 6.9 D           | 10A                          | 78         | 160                | 35                            |
| D 24/ 150                     | 750 - 880                                | 881 - 1000   | 1001 - 1250 | G 3-1                   | 5.90               | 8.5 D           | 16A                          | 87         | 200                | 50                            |
| D 24/ 170                     | 850 - 1000                               | 1001 - 1135  | 1136 - 1420 | G 3-1                   | 7.00               | 10.1 D          | 16A                          | 94         | 200                | 50                            |
| D 24/ 200                     | 1000 - 1175                              | 1176 - 1335  | 1336 - 1650 | G 4-1                   | 8.10               | 11.7 D          | 16A                          | 100        | 250                | 70                            |
| E 36/ 30                      | 150 - 175                                | 176 - 200    | 201 - 250   | G 2-1                   | 1.70               | 7.4 E           | 10A                          | 36         | 35                 | 10                            |
| E 36/ 35                      | 175 - 205                                | 206 - 235    | 236 - 290   | G 2-1                   | 2.00               | 8.7 E           | 16A                          | 40         | 63                 | 10                            |
| E 36/ 40                      | 200 - 235                                | 236 - 265    | 266 - 335   | G 2-1                   | 2.40               | 10.0 E          | 16A                          | 42         | 63                 | 10                            |
| E 36/ 50                      | 250 - 295                                | 296 - 335    | 336 - 420   | G 2-1                   | 2.90               | 12.6 E          | 16A                          | 49         | 63                 | 16                            |
| D 36/ 60                      | 300 - 350                                | 351 - 400    | 401 - 500   | G 3-1                   | 3.60               | 5.2 D           | 10A                          | 70         | 100                | 16                            |
| D 36/ 70                      | 350 - 410                                | 411 - 465    | 466 - 580   | G 3-1                   | 4.20               | 6.0 D           | 10A                          | 72         | 100                | 16                            |
| D 36/ 80                      | 400 - 470                                | 471 - 535    | 536 - 665   | G 3-1                   | 4.80               | 6.9 D           | 10A                          | 75         | 100                | 16                            |
| D 36/ 90                      | 450 - 530                                | 531 - 600    | 601 - 750   | G 3-1                   | 5.20               | 7.5 D           | 10A                          | 77         | 100                | 16                            |
| D 36/ 100                     | 500 - 590                                | 591 - 665    | 666 - 835   | G 3-1                   | 5.90               | 8.5 D           | 16A                          | 80         | 160                | 25                            |
| D 36/ 125                     | 625 - 735                                | 736 - 835    | 836 - 1050  | G 3-1                   | 7.40               | 10.7 D          | 16A                          | 84         | 160                | 35                            |
| D 36/ 150                     | 750 - 880                                | 881 - 1000   | 1001 - 1250 | G 4-1                   | 8.90               | 12.8 D          | 16A                          | 95         | 200                | 50                            |
| D 36/ 170                     | 850 - 1000                               | 1001 - 1135  | 1136 - 1420 | G 4-1                   | 10.50              | 15.1 D          | 20A                          | 109        | 200                | 50                            |
| D 36/ 200                     | 1000 - 1175                              | 1176 - 1335  | 1336 - 1650 | G 4-1                   | 12.00              | 17.3 D          | 20A                          | 115        | 250                | 70                            |
| E 48/ 30                      | 150 - 175                                | 176 - 200    | 201 - 250   | G 2-1                   | 2.20               | 9.5 E           | 16A                          | 49         | 35                 | 10                            |
| E 48/ 35                      | 175 - 205                                | 206 - 235    | 236 - 290   | G 2-1                   | 2.60               | 11.2 E          | 16A                          | 51         | 63                 | 10                            |
| E 48/ 40                      | 200 - 235                                | 236 - 265    | 266 - 335   | G 2-1                   | 3.20               | 13.9 E          | 16A                          | 53         | 63                 | 10                            |
| D 48/ 50                      | 250 - 295                                | 296 - 335    | 336 - 420   | G 3-1                   | 3.60               | 5.2 D           | 10A                          | 70         | 63                 | 16                            |
| D 48/ 60                      | 300 - 350                                | 351 - 400    | 401 - 500   | G 3-1                   | 4.40               | 6.3 D           | 10A                          | 72         | 100                | 16                            |
| D 48/ 70                      | 350 - 410                                | 411 - 465    | 466 - 580   | G 3-1                   | 5.20               | 7.5 D           | 10A                          | 74         | 100                | 16                            |
| D 48/ 80                      | 400 - 470                                | 471 - 535    | 536 - 665   | G 3-1                   | 6.00               | 8.6 D           | 16A                          | 76         | 100                | 16                            |
| D 48/ 90                      | 450 - 530                                | 531 - 600    | 601 - 750   | G 3-1                   | 6.90               | 10.0 D          | 16A                          | 79         | 100                | 16                            |
| D 48/ 100                     | 500 - 590                                | 591 - 665    | 666 - 835   | G 3-1                   | 7.40               | 10.6 D          | 16A                          | 82         | 160                | 25                            |
| D 48/ 125                     | 625 - 735                                | 736 - 835    | 836 - 1050  | G 3-1                   | 9.00               | 13.0 D          | 16A                          | 86         | 160                | 35                            |
| D 48/ 150                     | 750 - 880                                | 881 - 1000   | 1001 - 1250 | G 4-1                   | 11.90              | 17.2 D          | 20A                          | 99         | 200                | 50                            |
| D 48/ 170                     | 850 - 1000                               | 1001 - 1135  | 1136 - 1420 | G 4-1                   | 14.90              | 21.5 D          | 25A                          | 112        | 200                | 50                            |
| D 48/ 200                     | 1000 - 1175                              | 1176 - 1335  | 1336 - 1650 | G 4-1                   | 17.00              | 24.5 D          | 35A                          | 120        | 250                | 70                            |
| D 80/ 30                      | 150 - 175                                | 176 - 200    | 201 - 250   | G 3-1                   | 4.20               | 6.0 D           | 10A                          | 68         | 63                 | 16                            |
| D 80/ 35                      | 175 - 205                                | 206 - 235    | 236 - 290   | G 3-1                   | 4.50               | 6.3 D           | 10A                          | 70         | 63                 | 16                            |
| D 80/ 40                      | 200 - 235                                | 236 - 265    | 266 - 335   | G 3-1                   | 5.20               | 7.5 D           | 10A                          | 72         | 63                 | 16                            |
| D 80/ 50                      | 250 - 295                                | 296 - 335    | 336 - 420   | G 3-1                   | 6.20               | 8.9 D           | 16A                          | 76         | 63                 | 16                            |
| D 80/ 60                      | 300 - 350                                | 351 - 400    | 401 - 500   | G 3-1                   | 7.40               | 10.7 D          | 16A                          | 79         | 100                | 16                            |
| D 80/ 70                      | 350 - 410                                | 411 - 465    | 466 - 580   | G 4-1                   | 8.90               | 12.8 D          | 16A                          | 89         | 100                | 16                            |
| D 80/ 80                      | 400 - 470                                | 471 - 535    | 536 - 665   | G 4-1                   | 10.00              | 14.4 D          | 16A                          | 92         | 100                | 16                            |
| D 80/ 90                      | 450 - 530                                | 531 - 600    | 601 - 750   | G 4-1                   | 11.20              | 16.1 D          | 20A                          | 96         | 100                | 16                            |
| D 80/ 100                     | 500 - 590                                | 591 - 665    | 666 - 835   | G 4-1                   | 12.30              | 17.7 D          | 20A                          | 106        | 160                | 25                            |
| D 80/ 125                     | 625 - 735                                | 736 - 835    | 836 - 1050  | G 4-1                   | 15.20              | 21.6 D          | 25A                          | 116        | 160                | 35                            |
| D 80/ 150                     | 750 - 880                                | 881 - 1000   | 1001 - 1250 | G 4-1                   | 19.80              | 28.6 D          | 35A                          | 125        | 200                | 50                            |
| D 80/ 170                     | 850 - 1000                               | 1001 - 1135  | 1136 - 1420 | G 4-1                   | 21.40              | 30.9 D          | 35A                          | 148        | 200                | 50                            |

<sup>1)</sup> Vea anotación en la página 4

<sup>2)</sup> Cargador de montaje en pared/suelo

<sup>1)</sup> See annotation on page 4

<sup>2)</sup> wall mounted/floor mounted charger

<sup>1)</sup> Voir remarques page 4

<sup>2)</sup> Installation murale/au sol

MultiLine W0Wa

| Tipo de cargador                | Capacidad en función del tiempo de carga |              |             | Arma-rio <sup>2)</sup>  | Potencia de red    | Consumo         | Fusible de red gL/gG (lento) | Peso neto  | Fusible de batería | Sección de cable del cargador |
|---------------------------------|--|--------------|-------------|-------------------------|--------------------|-----------------|------------------------------|------------|--------------------|-------------------------------|
| Charger type                    | Capacity matching for charging time      |              |             | Ca-binets <sup>2)</sup> | Mains power rating | Mains current   | Mains fuse gL/gG (slow)      | Weight net | Strip-fuse         | Charger cable cross section   |
| Type de chargeur                | Capacité en fonction du temps de charge  |              |             | Ar-moire <sup>2)</sup>  | Puissance secteur  | Courant secteur | Fusible secteur gL/gG (lent) | Poids net  | Fusible batterie   | Câble de charge section       |
| MultiLine W0Wa-EU <sup>1)</sup> | 5.5 h - 6.5h*                            | 6.5 h - 8 h* | 8 h - 10 h* |                         | [kVA]              | [A/Phase]       | [A]                          | [kg]       | [A]                | [mm <sup>2</sup> ]            |
| E 24/ 30                        | 120 - 145                                | 146 - 170    | 171 - 200   | G 2-1                   | 1.10               | 4.7 E           | 10A                          | 31         | 35                 | 10                            |
| E 24/ 35                        | 135 - 160                                | 161 - 200    | 201 - 235   | G 2-1                   | 1.30               | 5.5 E           | 10A                          | 33         | 63                 | 10                            |
| E 24/ 40                        | 160 - 200                                | 201 - 235    | 236 - 270   | G 2-1                   | 1.50               | 6.5 E           | 10A                          | 35         | 63                 | 10                            |
| E 24/ 50                        | 201 - 250                                | 251 - 270    | 271 - 340   | G 2-1                   | 1.90               | 8.2 E           | 16A                          | 38         | 63                 | 16                            |
| E 24/ 60                        | 240 - 270                                | 271 - 340    | 341 - 400   | G 2-1                   | 2.20               | 9.5 E           | 16A                          | 43         | 100                | 16                            |
| E 24/ 70                        | 280 - 315                                | 316 - 390    | 391 - 475   | G 2-1                   | 2.60               | 11.3 E          | 16A                          | 46         | 100                | 25                            |
| E 24/ 80                        | 320 - 370                                | 371 - 450    | 451 - 540   | G 2-1                   | 3.10               | 13.4 E          | 16A                          | 49         | 100                | 25                            |
| D 24/ 90                        | 360 - 420                                | 421 - 510    | 511 - 610   | G 3-1                   | 3.30               | 4.7 D           | 10A                          | 53         | 100                | 25                            |
| D 24/ 100                       | 405 - 470                                | 471 - 560    | 561 - 680   | G 3-1                   | 3.80               | 5.4 D           | 10A                          | 76         | 160                | 35                            |
| D 24/ 125                       | 490 - 560                                | 561 - 700    | 701 - 850   | G 3-1                   | 4.80               | 6.9 D           | 10A                          | 78         | 160                | 35                            |
| D 24/ 150                       | 610 - 680                                | 681 - 850    | 851 - 1020  | G 3-1                   | 5.90               | 8.5 D           | 16A                          | 87         | 200                | 50                            |
| D 24/ 170                       | 680 - 770                                | 771 - 960    | 961 - 1150  | G 3-1                   | 7.00               | 10.1 D          | 16A                          | 94         | 200                | 50                            |
| D 24/ 200                       | 800 - 900                                | 901 - 1130   | 1131 - 1350 | G 4-1                   | 8.10               | 11.7 D          | 16A                          | 100        | 250                | 70                            |
| E 36/ 30                        | 120 - 145                                | 146 - 170    | 171 - 200   | G 2-1                   | 1.70               | 7.4 E           | 10A                          | 36         | 35                 | 10                            |
| E 36/ 35                        | 135 - 160                                | 161 - 200    | 201 - 235   | G 2-1                   | 2.00               | 8.7 E           | 16A                          | 40         | 63                 | 10                            |
| E 36/ 40                        | 160 - 200                                | 201 - 235    | 236 - 270   | G 2-1                   | 2.40               | 10.0 E          | 16A                          | 42         | 63                 | 10                            |
| E 36/ 50                        | 201 - 250                                | 251 - 270    | 271 - 340   | G 2-1                   | 2.90               | 12.6 E          | 16A                          | 49         | 63                 | 16                            |
| D 36/ 60                        | 240 - 270                                | 271 - 340    | 341 - 400   | G 3-1                   | 3.60               | 5.2 D           | 10A                          | 70         | 100                | 16                            |
| D 36/ 70                        | 280 - 315                                | 316 - 390    | 391 - 475   | G 3-1                   | 4.20               | 6.0 D           | 10A                          | 72         | 100                | 16                            |
| D 36/ 80                        | 320 - 370                                | 371 - 450    | 451 - 540   | G 3-1                   | 4.80               | 6.9 D           | 10A                          | 75         | 100                | 16                            |
| D 36/ 90                        | 360 - 420                                | 421 - 510    | 511 - 610   | G 3-1                   | 5.20               | 7.5 D           | 10A                          | 77         | 100                | 16                            |
| D 36/ 100                       | 405 - 470                                | 471 - 560    | 561 - 680   | G 3-1                   | 5.90               | 8.5 D           | 16A                          | 80         | 160                | 25                            |
| D 36/ 125                       | 490 - 560                                | 561 - 700    | 701 - 850   | G 3-1                   | 7.40               | 10.7 D          | 16A                          | 84         | 160                | 35                            |
| D 36/ 150                       | 610 - 680                                | 681 - 850    | 851 - 1020  | G 4-1                   | 8.90               | 12.8 D          | 16A                          | 95         | 200                | 50                            |
| D 36/ 170                       | 680 - 770                                | 771 - 960    | 961 - 1150  | G 4-1                   | 10.50              | 15.1 D          | 20A                          | 109        | 200                | 50                            |
| D 36/ 200                       | 800 - 900                                | 901 - 1130   | 1131 - 1350 | G 4-1                   | 12.00              | 17.3 D          | 20A                          | 115        | 250                | 70                            |
| E 48/ 30                        | 120 - 145                                | 146 - 170    | 171 - 200   | G 2-1                   | 2.20               | 9.5 E           | 16A                          | 49         | 35                 | 10                            |
| E 48/ 35                        | 135 - 160                                | 161 - 200    | 201 - 235   | G 2-1                   | 2.60               | 11.2 E          | 16A                          | 51         | 63                 | 10                            |
| E 48/ 40                        | 160 - 200                                | 201 - 235    | 236 - 270   | G 2-1                   | 3.20               | 13.9 E          | 16A                          | 53         | 63                 | 10                            |
| D 48/ 50                        | 201 - 250                                | 251 - 270    | 271 - 340   | G 3-1                   | 3.60               | 5.2 D           | 10A                          | 70         | 63                 | 16                            |
| D 48/ 60                        | 240 - 270                                | 271 - 340    | 341 - 400   | G 3-1                   | 4.40               | 6.3 D           | 10A                          | 72         | 100                | 16                            |
| D 48/ 70                        | 280 - 315                                | 316 - 390    | 391 - 475   | G 3-1                   | 5.20               | 7.5 D           | 10A                          | 74         | 100                | 16                            |
| D 48/ 80                        | 320 - 370                                | 371 - 450    | 451 - 540   | G 3-1                   | 6.00               | 8.6 D           | 16A                          | 76         | 100                | 16                            |
| D 48/ 90                        | 360 - 420                                | 421 - 510    | 511 - 610   | G 3-1                   | 6.90               | 10.0 D          | 16A                          | 79         | 100                | 16                            |
| D 48/ 100                       | 405 - 470                                | 471 - 560    | 561 - 680   | G 3-1                   | 7.40               | 10.6 D          | 16A                          | 82         | 160                | 25                            |
| D 48/ 125                       | 490 - 560                                | 561 - 700    | 701 - 850   | G 3-1                   | 9.00               | 13.0 D          | 16A                          | 86         | 160                | 35                            |
| D 48/ 150                       | 610 - 680                                | 681 - 850    | 851 - 1020  | G 4-1                   | 11.90              | 17.2 D          | 20A                          | 99         | 200                | 50                            |
| D 48/ 170                       | 680 - 770                                | 771 - 960    | 961 - 1150  | G 4-1                   | 14.90              | 21.5 D          | 25A                          | 112        | 200                | 50                            |
| D 48/ 200                       | 800 - 900                                | 901 - 1130   | 1131 - 1350 | G 4-1                   | 17.00              | 24.5 D          | 35A                          | 120        | 250                | 70                            |
| D 80/ 30                        | 120 - 145                                | 146 - 170    | 171 - 200   | G 3-1                   | 4.20               | 6.0 D           | 10A                          | 68         | 63                 | 16                            |
| D 80/ 35                        | 135 - 160                                | 161 - 200    | 201 - 235   | G 3-1                   | 4.50               | 6.3 D           | 10A                          | 70         | 63                 | 16                            |
| D 80/ 40                        | 160 - 200                                | 201 - 235    | 236 - 270   | G 3-1                   | 5.20               | 7.5 D           | 10A                          | 72         | 63                 | 16                            |
| D 80/ 50                        | 201 - 250                                | 251 - 270    | 271 - 340   | G 3-1                   | 6.20               | 8.9 D           | 16A                          | 76         | 63                 | 16                            |
| D 80/ 60                        | 240 - 270                                | 271 - 340    | 341 - 400   | G 3-1                   | 7.40               | 10.7 D          | 16A                          | 79         | 100                | 16                            |
| D 80/ 70                        | 280 - 315                                | 316 - 390    | 391 - 475   | G 4-1                   | 8.90               | 12.8 D          | 16A                          | 89         | 100                | 16                            |
| D 80/ 80                        | 320 - 370                                | 371 - 450    | 451 - 540   | G 4-1                   | 10.00              | 14.4 D          | 16A                          | 92         | 100                | 16                            |
| D 80/ 90                        | 360 - 420                                | 421 - 510    | 511 - 610   | G 4-1                   | 11.20              | 16.1 D          | 20A                          | 96         | 100                | 16                            |
| D 80/ 100                       | 405 - 470                                | 471 - 560    | 561 - 680   | G 4-1                   | 12.30              | 17.7 D          | 20A                          | 106        | 160                | 25                            |
| D 80/ 125                       | 490 - 560                                | 561 - 700    | 701 - 850   | G 4-1                   | 15.20              | 21.6 D          | 25A                          | 116        | 160                | 35                            |
| D 80/ 150                       | 610 - 680                                | 681 - 850    | 851 - 1020  | G 4-1                   | 19.80              | 28.6 D          | 35A                          | 125        | 200                | 50                            |
| D 80/ 170                       | 680 - 770                                | 771 - 960    | 961 - 1150  | G 4-1                   | 21.40              | 30.9 D          | 35A                          | 148        | 200                | 50                            |

\*con circulación de electrolito

\* with electrolyte circulation

\* avec brassage

<sup>1)</sup> Vea anotación en la página 4

<sup>1)</sup> See annotation on page 4

<sup>1)</sup> Voir remarques page 4

<sup>2)</sup> Cargador de montaje en pared/suelo

<sup>2)</sup> wall mounted/floor mounted charger

<sup>2)</sup> Installation murale/au sol



**MultiLine IWUla**

| Tipo de cargador              | Capacidad en función del tiempo de carga |              |             | Arma-rio <sup>2)</sup>  | Potencia de red    | Consumo         | Fusible de red gL/gG (lento) | Peso neto  | Fusible de batería | Sección de cable del cargador |
|-------------------------------|--|--------------|-------------|-------------------------|--------------------|-----------------|------------------------------|------------|--------------------|-------------------------------|
| Charger type                  | Capacity matching for charging time      |              |             | Ca-binets <sup>2)</sup> | Mains power rating | Mains current   | Mains fuse gL/gG (slow)      | Weight net | Strip-fuse         | Charger cable cross section   |
| Type de chargeur              | Capacité en fonction du temps de charge  |              |             | Ar-moire <sup>2)</sup>  | Puissance secteur  | Courant secteur | Fusible secteur gL/gG (lent) | Poids net  | Fusible batterie   | Câble de charge section       |
| MultiLine IWUla <sup>1)</sup> | 7.5 h - 8.5 h                            | 8.5 h - 10 h | 10 h - 12 h |                         | [kVA]              | [A/Phase]       | [A]                          | [kg]       | [A]                | [mm <sup>2</sup> ]            |
| E 24/ 30                      | 180 - 220                                | 221 - 285    | 286 - 375   | G 2-1                   | 1.50               | 6.8 E           | 10A                          | 35         | 63                 | 10                            |
| E 24/ 35                      | 210 - 260                                | 261 - 330    | 331 - 440   | G 2-1                   | 1.80               | 7.9 E           | 16A                          | 36         | 63                 | 16                            |
| E 24/ 40                      | 235 - 295                                | 296 - 380    | 381 - 500   | G 2-1                   | 2.00               | 8.9 E           | 16A                          | 38         | 63                 | 16                            |
| E 24/ 50                      | 295 - 370                                | 371 - 475    | 476 - 625   | G 2-1                   | 2.50               | 11.1 E          | 16A                          | 43         | 63                 | 16                            |
| E 24/ 60                      | 350 - 440                                | 441 - 570    | 571 - 750   | G 2-1                   | 3.10               | 13.5 E          | 16A                          | 49         | 100                | 25                            |
| E 24/ 70                      | 410 - 520                                | 521 - 660    | 661 - 875   | G 2-1                   | 3.40               | 14.9 E          | 16A                          | 52         | 100                | 25                            |
| E 24/ 80                      | 470 - 590                                | 591 - 760    | 761 - 1000  | G 2-1                   | 3.60               | 15.8 E          | 16A                          | 55         | 125                | 25                            |
| D 24/ 90                      | 530 - 660                                | 661 - 860    | 861 - 1125  | G 3-1                   | 4.70               | 7.1 D           | 10A                          | 77         | 160                | 35                            |
| D 24/ 100                     | 590 - 740                                | 741 - 950    | 951 - 1250  | G 3-1                   | 5.20               | 7.9 D           | 16A                          | 79         | 160                | 35                            |
| D 24/ 125                     | 735 - 920                                | 921 - 1190   | 1191 - 1560 | G 3-1                   | 6.50               | 9.5 D           | 16A                          | 87         | 160                | 50                            |
| D 24/ 150                     | 880 - 1100                               | 1101 - 1430  | 1431 - 1875 | G 4-1                   | 7.80               | 11.4 D          | 16A                          | 96         | 200                | 70                            |
| D 24/ 170                     | 1000 - 1250                              | 1251 - 1600  | 1601 - 2125 | G 4-1                   | 8.90               | 13.5 D          | 16A                          | 103        | 200                | 95                            |
| D 24/ 200                     | 1180 - 1470                              | 1471 - 1900  | 1901 - 2500 | G 4-1                   | 10.50              | 15.2 D          | 16A                          | 108        | 250                | 95                            |
| E 36/ 30                      | 180 - 220                                | 221 - 285    | 286 - 375   | G 2-1                   | 2.30               | 10.2 E          | 16A                          | 42         | 63                 | 10                            |
| E 36/ 35                      | 210 - 260                                | 261 - 330    | 331 - 440   | G 2-1                   | 2.70               | 12.0 E          | 16A                          | 44         | 63                 | 16                            |
| E 36/ 40                      | 235 - 295                                | 296 - 380    | 381 - 500   | G 2-1                   | 3.10               | 13.6 E          | 16A                          | 49         | 63                 | 16                            |
| E 36/ 50                      | 295 - 370                                | 371 - 475    | 476 - 625   | G 2-1                   | 3.50               | 15.2 E          | 16A                          | 55         | 63                 | 16                            |
| D 36/ 60                      | 350 - 440                                | 441 - 570    | 571 - 750   | G 3-1                   | 4.70               | 6.9 D           | 10A                          | 72         | 100                | 25                            |
| D 36/ 70                      | 410 - 520                                | 521 - 660    | 661 - 875   | G 3-1                   | 5.20               | 7.9 D           | 16A                          | 75         | 100                | 25                            |
| D 36/ 80                      | 470 - 590                                | 591 - 760    | 761 - 1000  | G 3-1                   | 5.90               | 8.6 D           | 16A                          | 77         | 100                | 25                            |
| D 36/ 90                      | 530 - 660                                | 661 - 860    | 861 - 1125  | G 3-1                   | 6.70               | 9.8 D           | 16A                          | 80         | 160                | 35                            |
| D 36/ 100                     | 590 - 740                                | 741 - 950    | 951 - 1250  | G 3-1                   | 7.40               | 10.7 D          | 16A                          | 84         | 160                | 35                            |
| D 36/ 125                     | 735 - 920                                | 921 - 1190   | 1191 - 1560 | G 4-1                   | 9.20               | 13.4 D          | 16A                          | 95         | 160                | 50                            |
| D 36/ 150                     | 880 - 1100                               | 1101 - 1430  | 1431 - 1875 | G 4-1                   | 11.10              | 16.1 D          | 20A                          | 108        | 200                | 50                            |
| D 36/ 170                     | 1000 - 1250                              | 1251 - 1600  | 1601 - 2125 | G 4-1                   | 12.60              | 18.5 D          | 25A                          | 115        | 250                | 70                            |
| D 36/ 200                     | 1180 - 1470                              | 1471 - 1900  | 1901 - 2500 | G 4-1                   | 14.80              | 21.5 D          | 25A                          | 120        | 250                | 95                            |
| E 48/ 30                      | 180 - 220                                | 221 - 285    | 286 - 375   | G 2-1                   | 3.00               | 13.4 E          | 16A                          | 53         | 63                 | 10                            |
| E 48/ 35                      | 210 - 260                                | 261 - 330    | 331 - 440   | G 2-1                   | 3.40               | 14.9 E          | 16A                          | 55         | 63                 | 16                            |
| E 48/ 40                      | 235 - 295                                | 296 - 380    | 381 - 500   | G 2-1                   | 3.60               | 15.8 E          | 16A                          | 58         | 63                 | 16                            |
| D 48/ 50                      | 295 - 370                                | 371 - 475    | 476 - 625   | G 3-1                   | 5.20               | 7.6 D           | 10A                          | 72         | 63                 | 16                            |
| D 48/ 60                      | 350 - 440                                | 441 - 570    | 571 - 750   | G 3-1                   | 6.30               | 9.2 D           | 16A                          | 74         | 100                | 25                            |
| D 48/ 70                      | 410 - 520                                | 521 - 660    | 661 - 875   | G 3-1                   | 6.90               | 10.0 D          | 16A                          | 75         | 100                | 25                            |
| D 48/ 80                      | 470 - 590                                | 591 - 760    | 761 - 1000  | G 3-1                   | 7.90               | 11.5 D          | 16A                          | 79         | 100                | 25                            |
| D 48/ 90                      | 530 - 660                                | 661 - 860    | 861 - 1125  | G 3-1                   | 8.80               | 12.8 D          | 16A                          | 82         | 160                | 35                            |
| D 48/ 100                     | 590 - 740                                | 741 - 950    | 951 - 1250  | G 3-1                   | 9.80               | 14.3 D          | 16A                          | 86         | 160                | 35                            |
| D 48/ 125                     | 735 - 920                                | 921 - 1190   | 1191 - 1560 | G 4-1                   | 13.10              | 19.0 D          | 25A                          | 99         | 160                | 50                            |
| D 48/ 150                     | 880 - 1100                               | 1101 - 1430  | 1431 - 1875 | G 4-1                   | 15.70              | 22.8 D          | 25A                          | 114        | 200                | 50                            |
| D 48/ 170                     | 1000 - 1250                              | 1251 - 1600  | 1601 - 2125 | G 4-1                   | 16.70              | 24.5 D          | 35A                          | 120        | 250                | 70                            |
| D 48/ 200                     | 1180 - 1470                              | 1471 - 1900  | 1901 - 2500 | G 4-1                   | 20.00              | 29.0 D          | 35A                          | 126        | 250                | 95                            |
| D 80/ 30                      | 180 - 220                                | 221 - 285    | 286 - 375   | G 3-1                   | 5.00               | 7.3 D           | 10A                          | 72         | 63                 | 16                            |
| D 80/ 35                      | 210 - 260                                | 261 - 330    | 331 - 440   | G 3-1                   | 5.80               | 8.4 D           | 16A                          | 74         | 63                 | 16                            |
| D 80/ 40                      | 235 - 295                                | 296 - 380    | 381 - 500   | G 3-1                   | 6.70               | 9.7 D           | 16A                          | 76         | 63                 | 16                            |
| D 80/ 50                      | 295 - 370                                | 371 - 475    | 476 - 625   | G 3-1                   | 8.30               | 12.1 D          | 16A                          | 79         | 63                 | 16                            |
| D 80/ 60                      | 350 - 440                                | 441 - 570    | 571 - 750   | G 3-1                   | 10.00              | 14.5 D          | 16A                          | 92         | 100                | 25                            |
| D 80/ 70                      | 410 - 520                                | 521 - 660    | 661 - 875   | G 4-1                   | 11.70              | 16.9 D          | 20A                          | 96         | 100                | 25                            |
| D 80/ 80                      | 470 - 590                                | 591 - 760    | 761 - 1000  | G 4-1                   | 13.40              | 19.4 D          | 25A                          | 106        | 100                | 25                            |
| D 80/ 90                      | 530 - 660                                | 661 - 860    | 861 - 1125  | G 4-1                   | 15.00              | 21.6 D          | 25A                          | 110        | 160                | 35                            |
| D 80/ 100                     | 590 - 740                                | 741 - 950    | 951 - 1250  | G 4-1                   | 16.70              | 24.2 D          | 35A                          | 116        | 160                | 35                            |
| D 80/ 125                     | 735 - 920                                | 921 - 1190   | 1191 - 1560 | G 4-1                   | 20.80              | 30.1 D          | 35A                          | 125        | 160                | 50                            |
| D 80/150 <sup>3)</sup>        | 880 - 1100                               | 1101 - 1430  | 1431 - 1875 | GU 06                   | 21.60              | 31.3 D          | 35A                          | 205        | 200                | 50                            |
| D 80/170 <sup>3)</sup>        | 1000 - 1250                              | 1251 - 1600  | 1601 - 2125 | GU 06                   | 24.50              | 35.5 D          | 50A                          | 210        | 250                | 70                            |
| D 80/200 <sup>3)</sup>        | 1180 - 1470                              | 1471 - 1900  | 1901 - 2500 | GU 08                   | 28.70              | 41.5 D          | 50A                          | 215        | 250                | 95                            |

| Tipo de armario | Altura  | Anchura | Profundidad |
|-----------------|---------|---------|-------------|
| Type of cabinet | Height  | Width   | Depth       |
| Type d'armoire  | Hauteur | Largeur | Pro-fondeur |

<sup>1)</sup> Vea anotación en la página 4  
<sup>3)</sup> Envío sin conector de red

<sup>1)</sup> Voir remarques page 4  
<sup>3)</sup> Livraison sans prise secteur

<sup>1)</sup> See annotation on page 4  
<sup>3)</sup> Delivery without mains plug

|       | [mm] | [mm] | [mm] |
|-------|------|------|------|
| G 2-1 | 380  | 575  | 380  |
| G 3-1 | 690  | 575  | 440  |
| G 4-1 | 690  | 575  | 540  |
| GU 06 | 1425 | 600  | 600  |
| GU 08 | 1425 | 800  | 600  |

MultiLine IWU1a

| Tipo de cargador                 | Capacidad en función del tiempo de carga |             |                |             | Arma-rio <sup>2)</sup>  | Potencia de red    | Consumo         | Fusible de red gL/gG (lento) | Peso neto  | Fusible de batería | Sección de cable del cargador |
|----------------------------------|--|-------------|----------------|-------------|-------------------------|--------------------|-----------------|------------------------------|------------|--------------------|-------------------------------|
| Charger type                     | Capacity matching for charging time      |             |                |             | Ca-binets <sup>2)</sup> | Mains power rating | Mains current   | Mains fuse gL/gG (slow)      | Weight net | Strip-fuse         | Charger cable cross section   |
| Type de chargeur                 | Capacité en fonction du temps de charge  |             |                |             | Ar-moire <sup>2)</sup>  | Puissance secteur  | Courant secteur | Fusible secteur gL/gG (lent) | Poids net  | Fusible batterie   | Câble de charge section       |
|                                  | PzS                                      |             | Water Less® 20 |             |                         |                    |                 |                              |            |                    |                               |
| MultiLine IWU1a-EU <sup>1)</sup> | 5.5h - 6.5h*                             | 6.5h - 9h*  | 7.5h - 8.5h*   | 8.5h - 12h* |                         | [kVA]              | [A/Phase]       | [A]                          | [kg]       | [A]                | [mm <sup>2</sup> ]            |
| E 24/ 30                         | 130 - 175                                | 176 - 270   | 120 - 150      | 151 - 198   | G 2-1                   | 1.50               | 6.8 E           | 10A                          | 35         | 63                 | 10                            |
| E 24/ 35                         | 156 - 205                                | 206 - 310   | 140 - 175      | 176 - 230   | G 2-1                   | 1.80               | 7.9 E           | 16A                          | 36         | 63                 | 16                            |
| E 24/ 40                         | 176 - 235                                | 236 - 360   | 160 - 200      | 201 - 270   | G 2-1                   | 2.00               | 8.9 E           | 16A                          | 38         | 63                 | 16                            |
| E 24/ 50                         | 236 - 295                                | 296 - 450   | 200 - 250      | 251 - 330   | G 2-1                   | 2.50               | 11.1 E          | 16A                          | 43         | 63                 | 16                            |
| E 24/ 60                         | 296 - 350                                | 351 - 540   | 240 - 300      | 301 - 400   | G 2-1                   | 3.10               | 13.5 E          | 16A                          | 49         | 100                | 25                            |
| E 24/ 70                         | 321 - 410                                | 411 - 630   | 280 - 350      | 351 - 460   | G 2-1                   | 3.40               | 14.9 E          | 16A                          | 52         | 100                | 25                            |
| E 24/ 80                         | 351 - 470                                | 471 - 720   | 320 - 400      | 401 - 540   | G 2-1                   | 3.60               | 15.8 E          | 16A                          | 55         | 125                | 25                            |
| D 24/ 90                         | 411 - 525                                | 526 - 810   | 360 - 450      | 451 - 600   | G 3-1                   | 4.70               | 7.1 D           | 10A                          | 77         | 160                | 35                            |
| D 24/ 100                        | 471 - 580                                | 581 - 900   | 400 - 500      | 501 - 660   | G 3-1                   | 5.20               | 7.9 D           | 16A                          | 79         | 160                | 35                            |
| D 24/ 125                        | 581 - 735                                | 736 - 1130  | 500 - 625      | 626 - 840   | G 3-1                   | 6.50               | 9.5 D           | 16A                          | 87         | 160                | 50                            |
| D 24/ 150                        | 736 - 880                                | 881 - 1350  | 600 - 750      | 751 - 1000  | G 4-1                   | 7.80               | 11.4 D          | 16A                          | 96         | 200                | 70                            |
| D 24/ 170                        | 801 - 1025                               | 1026 - 1450 | 680 - 850      | 851 - 1150  | G 4-1                   | 8.90               | 13.5 D          | 16A                          | 103        | 200                | 95                            |
| D 24/ 200                        | 881 - 1170                               | 1171 - 1550 | 800 - 1000     | 1001 - 1300 | G 4-1                   | 10.50              | 15.2 D          | 16A                          | 108        | 250                | 95                            |
| E 36/ 30                         | 130 - 175                                | 176 - 270   | 120 - 150      | 151 - 198   | G 2-1                   | 2.30               | 10.2 E          | 16A                          | 42         | 63                 | 10                            |
| E 36/ 35                         | 156 - 205                                | 206 - 310   | 140 - 175      | 176 - 230   | G 2-1                   | 2.70               | 12.0 E          | 16A                          | 44         | 63                 | 16                            |
| E 36/ 40                         | 176 - 235                                | 236 - 360   | 160 - 200      | 201 - 270   | G 2-1                   | 3.10               | 13.6 E          | 16A                          | 49         | 63                 | 16                            |
| E 36/ 50                         | 236 - 295                                | 296 - 450   | 200 - 250      | 251 - 330   | G 2-1                   | 3.50               | 15.2 E          | 16A                          | 55         | 63                 | 16                            |
| D 36/ 60                         | 296 - 350                                | 351 - 540   | 240 - 300      | 301 - 400   | G 3-1                   | 4.70               | 6.9 D           | 10A                          | 72         | 100                | 25                            |
| D 36/ 70                         | 321 - 410                                | 411 - 630   | 280 - 350      | 351 - 460   | G 3-1                   | 5.20               | 7.9 D           | 16A                          | 75         | 100                | 25                            |
| D 36/ 80                         | 351 - 470                                | 471 - 720   | 320 - 400      | 401 - 540   | G 3-1                   | 5.90               | 8.6 D           | 16A                          | 77         | 100                | 25                            |
| D 36/ 90                         | 411 - 525                                | 526 - 810   | 360 - 450      | 451 - 600   | G 3-1                   | 6.70               | 9.8 D           | 16A                          | 80         | 160                | 35                            |
| D 36/ 100                        | 471 - 580                                | 581 - 900   | 400 - 500      | 501 - 660   | G 3-1                   | 7.40               | 10.7 D          | 16A                          | 84         | 160                | 35                            |
| D 36/ 125                        | 581 - 735                                | 736 - 1130  | 500 - 625      | 626 - 840   | G 4-1                   | 9.20               | 13.4 D          | 16A                          | 95         | 160                | 50                            |
| D 36/ 150                        | 736 - 880                                | 881 - 1350  | 600 - 750      | 751 - 1000  | G 4-1                   | 11.10              | 16.1 D          | 20A                          | 108        | 200                | 50                            |
| D 36/ 170                        | 801 - 1025                               | 1026 - 1450 | 680 - 850      | 851 - 1150  | G 4-1                   | 12.60              | 18.5 D          | 25A                          | 115        | 250                | 70                            |
| D 36/ 200                        | 881 - 1170                               | 1171 - 1550 | 800 - 1000     | 1001 - 1300 | G 4-1                   | 14.80              | 21.5 D          | 25A                          | 120        | 250                | 95                            |
| E 48/ 30                         | 130 - 175                                | 176 - 270   | 120 - 150      | 151 - 198   | G 2-1                   | 3.00               | 13.4 E          | 16A                          | 53         | 63                 | 10                            |
| E 48/ 35                         | 156 - 205                                | 206 - 310   | 140 - 175      | 176 - 230   | G 2-1                   | 3.40               | 14.9 E          | 16A                          | 55         | 63                 | 16                            |
| E 48/ 40                         | 176 - 235                                | 236 - 360   | 160 - 200      | 201 - 270   | G 2-1                   | 3.60               | 15.8 E          | 16A                          | 58         | 63                 | 16                            |
| D 48/ 50                         | 236 - 295                                | 296 - 450   | 200 - 250      | 251 - 330   | G 3-1                   | 5.20               | 7.6 D           | 10A                          | 72         | 63                 | 16                            |
| D 48/ 60                         | 296 - 350                                | 351 - 540   | 240 - 300      | 301 - 400   | G 3-1                   | 6.30               | 9.2 D           | 16A                          | 74         | 100                | 25                            |
| D 48/ 70                         | 321 - 410                                | 411 - 630   | 280 - 350      | 351 - 460   | G 3-1                   | 6.90               | 10.0 D          | 16A                          | 75         | 100                | 25                            |
| D 48/ 80                         | 351 - 470                                | 471 - 720   | 320 - 400      | 401 - 540   | G 3-1                   | 7.90               | 11.5 D          | 16A                          | 79         | 100                | 25                            |
| D 48/ 90                         | 411 - 525                                | 526 - 810   | 360 - 450      | 451 - 600   | G 3-1                   | 8.80               | 12.8 D          | 16A                          | 82         | 160                | 35                            |
| D 48/ 100                        | 471 - 580                                | 581 - 900   | 400 - 500      | 501 - 660   | G 3-1                   | 9.80               | 14.3 D          | 16A                          | 86         | 160                | 35                            |
| D 48/ 125                        | 581 - 735                                | 736 - 1130  | 500 - 625      | 626 - 840   | G 4-1                   | 13.10              | 19.0 D          | 25A                          | 99         | 160                | 50                            |
| D 48/ 150                        | 736 - 880                                | 881 - 1350  | 600 - 750      | 751 - 1000  | G 4-1                   | 15.70              | 22.8 D          | 25A                          | 114        | 200                | 50                            |
| D 48/ 170                        | 801 - 1025                               | 1026 - 1450 | 680 - 850      | 851 - 1150  | G 4-1                   | 16.70              | 24.5 D          | 35A                          | 120        | 250                | 70                            |
| D 48/ 200                        | 881 - 1170                               | 1171 - 1550 | 800 - 1000     | 1001 - 1300 | G 4-1                   | 20.00              | 29.0 D          | 35A                          | 126        | 250                | 95                            |
| D 80/ 30                         | 130 - 175                                | 176 - 270   | 120 - 150      | 151 - 198   | G 3-1                   | 5.00               | 7.3 D           | 10A                          | 72         | 63                 | 16                            |
| D 80/ 35                         | 156 - 205                                | 206 - 310   | 140 - 175      | 176 - 230   | G 3-1                   | 5.80               | 8.4 D           | 16A                          | 74         | 63                 | 16                            |
| D 80/ 40                         | 176 - 235                                | 236 - 360   | 160 - 200      | 201 - 270   | G 3-1                   | 6.70               | 9.7 D           | 16A                          | 76         | 63                 | 16                            |
| D 80/ 50                         | 236 - 295                                | 296 - 450   | 200 - 250      | 251 - 330   | G 3-1                   | 8.30               | 12.1 D          | 16A                          | 79         | 63                 | 16                            |
| D 80/ 60                         | 296 - 350                                | 351 - 540   | 240 - 300      | 301 - 400   | G 3-1                   | 10.00              | 14.5 D          | 16A                          | 92         | 100                | 25                            |
| D 80/ 70                         | 321 - 410                                | 411 - 630   | 280 - 350      | 351 - 460   | G 4-1                   | 11.70              | 16.9 D          | 20A                          | 96         | 100                | 25                            |
| D 80/ 80                         | 351 - 470                                | 471 - 720   | 320 - 400      | 401 - 540   | G 4-1                   | 13.40              | 19.4 D          | 25A                          | 106        | 100                | 25                            |
| D 80/ 90                         | 411 - 525                                | 526 - 810   | 360 - 450      | 451 - 600   | G 4-1                   | 15.00              | 21.6 D          | 25A                          | 110        | 160                | 35                            |
| D 80/ 100                        | 471 - 580                                | 581 - 900   | 400 - 500      | 501 - 660   | G 4-1                   | 16.70              | 24.2 D          | 35A                          | 116        | 160                | 35                            |
| D 80/ 125                        | 581 - 735                                | 736 - 1130  | 500 - 625      | 626 - 840   | G 4-1                   | 20.80              | 30.1 D          | 35A                          | 125        | 160                | 50                            |
| D 80/150 <sup>3)</sup>           | 736 - 880                                | 881 - 1350  | 600 - 750      | 751 - 1000  | GU 06                   | 21.60              | 31.3 D          | 35A                          | 205        | 200                | 50                            |
| D 80/170 <sup>3)</sup>           | 801 - 1025                               | 1026 - 1450 | 680 - 850      | 851 - 1150  | GU 06                   | 24.50              | 35.5 D          | 50A                          | 210        | 250                | 70                            |
| D 80/200 <sup>3)</sup>           | 881 - 1170                               | 1171 - 1550 | 800 - 1000     | 1001 - 1300 | GU 08                   | 28.70              | 41.5 D          | 50A                          | 215        | 250                | 95                            |

\* con circulación de electrolito

\* avec brassage

<sup>1)</sup> Vea anotación en la página 4

<sup>1)</sup> Voir remarques page 4

<sup>2)</sup> Cargador de montaje en pared/suelo

<sup>2)</sup> Installation murale/au sol

<sup>3)</sup> Envío sin conector de red

<sup>3)</sup> Livraison sans prise secteur

\* with electrolyte circulation

<sup>1)</sup> See annotation on page 4

<sup>2)</sup> wall mounted/floor mounted charger

<sup>3)</sup> Delivery without mains plug

| Tipo de armario | Altura  | Anchura | Profundidad |
|-----------------|---------|---------|-------------|
| Type of cabinet | Height  | Width   | Depth       |
| Type d'armoire  | Hauteur | Largeur | Pro-fondeur |
|                 | [mm]    | [mm]    | [mm]        |
| G 2-1           | 380     | 575     | 380         |
| G 3-1           | 690     | 575     | 440         |
| G 4-1           | 690     | 575     | 540         |
| GU 06           | 1425    | 600     | 600         |
| GU 08           | 1425    | 800     | 600         |





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