

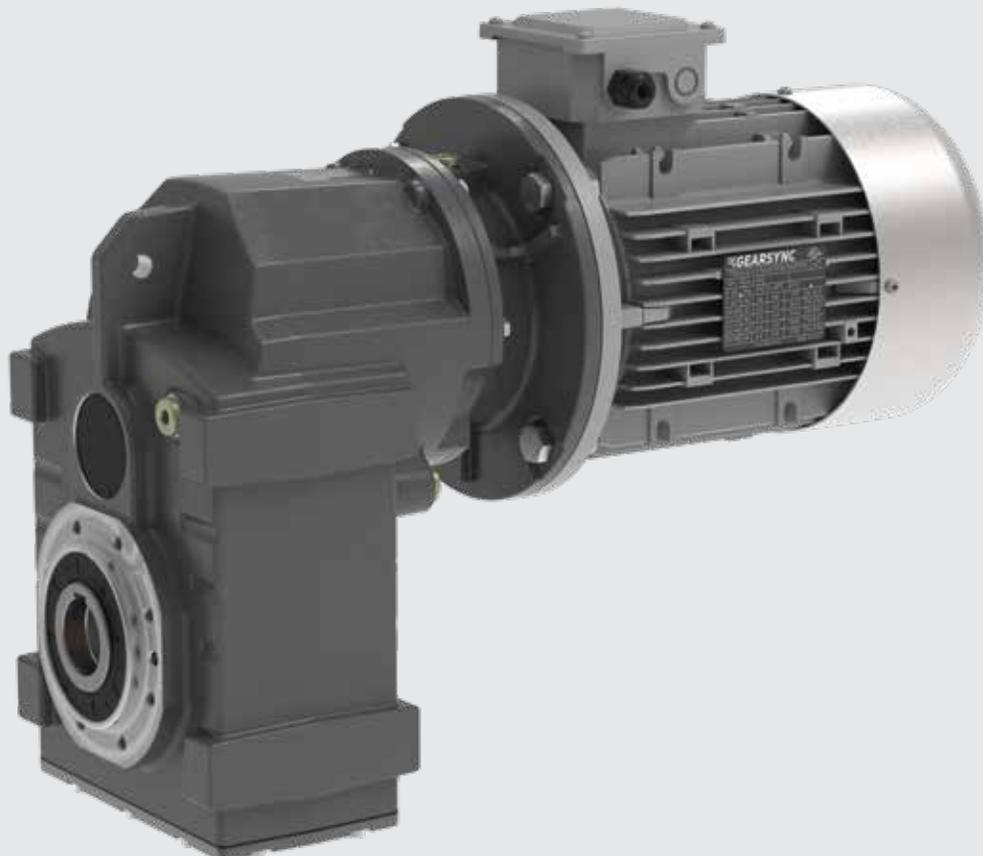
# GHP IRON Series

UP TO 3,200 Nm

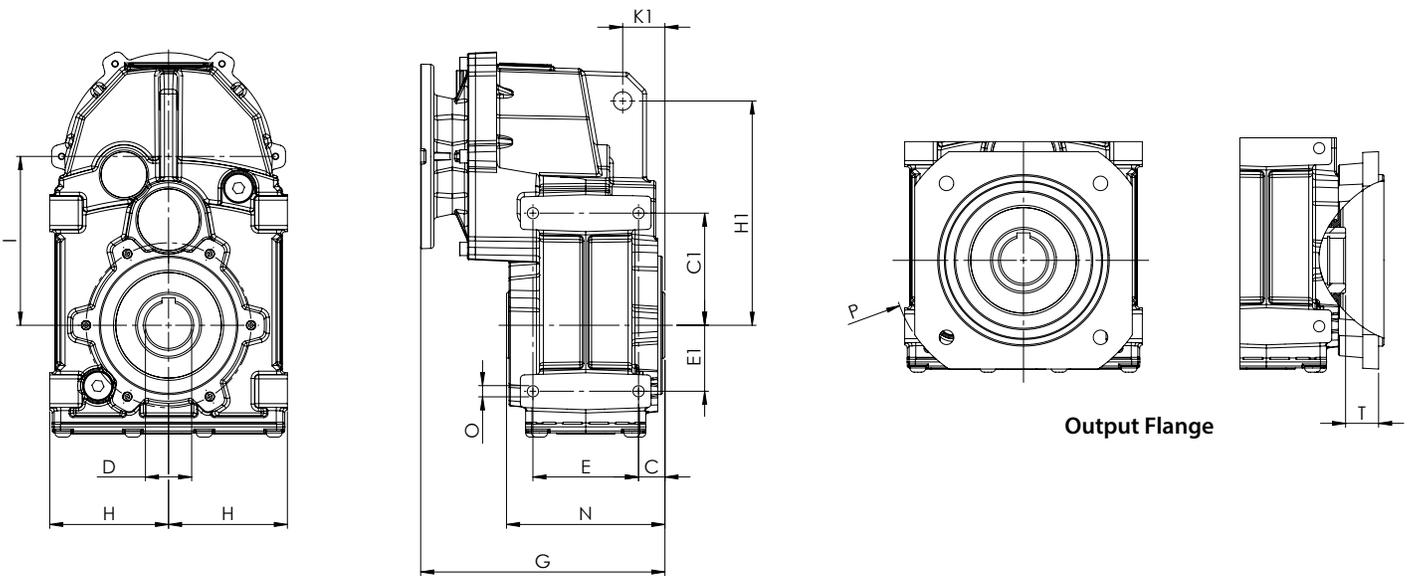
## The main features of GHP range are:

- Robust cast iron housings
- High degree of modularity
- Lubrication with synthetic oil
- Coupled to motor with flexible coupling
- Epoxy powder coating RAL 7016 standard

| Standard Shaft:   | Inch  | mm       |
|-------------------|-------|----------|
| GHP 922 – GHP 923 | 1.5   | 40<br>45 |
| GHP 932 – GHP 933 | 2     | 50       |
| GHP 942 – GHP 943 | 2.375 | 60       |

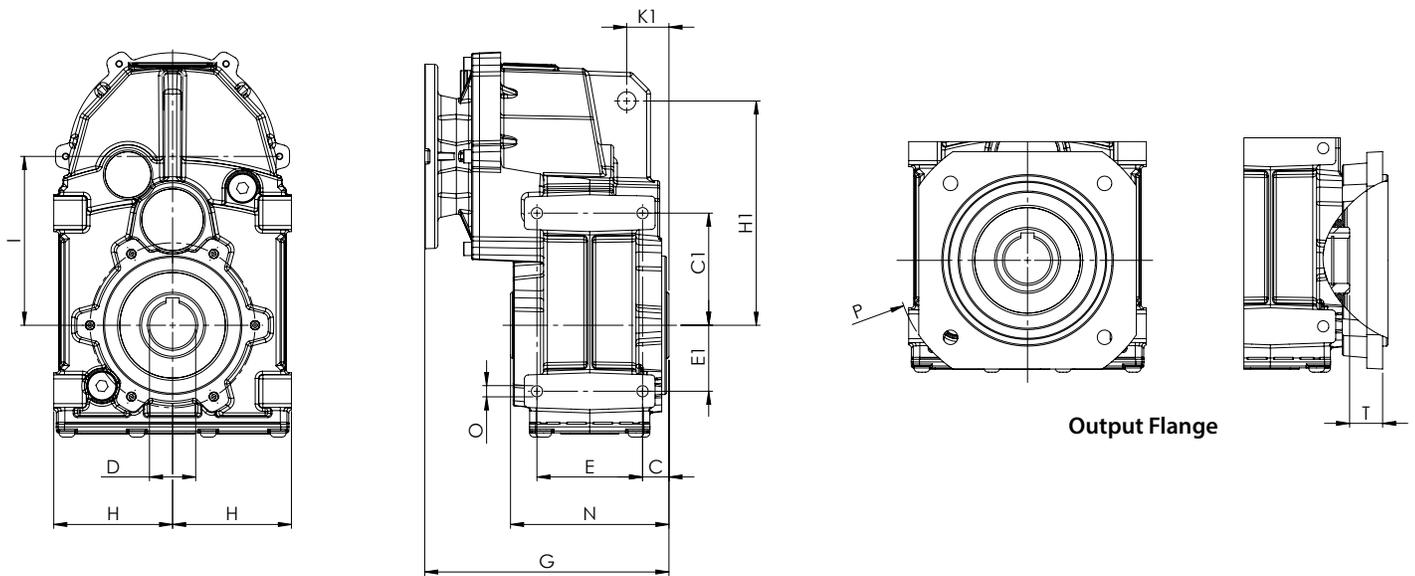


|                    |             | Hollow Shaft Diameter | M2 max (Nm) | Ratio |         |         | IEC max 2nd | IEC max 3rd | Radial Load (N) | Weight (kg) |
|--------------------|-------------|-----------------------|-------------|-------|---------|---------|-------------|-------------|-----------------|-------------|
|                    |             |                       |             | i min | i max/2 | i max/3 |             |             |                 |             |
| <b>GEARSYNC</b>    | GHP 922/3   | 1.5", 40mm and 45mm   | 1100        | 5.66  | 67.50   | 375.38  | 132B5       | 112B5       | 9500-18500      | 43          |
| <b>SEW</b>         | F67         | 40                    | 820         | 3.97  | 36.30   | 228.99  | 132B5       | 132B5       | 10300           |             |
| <b>NORD</b>        | SK3282/3382 | 40                    | 1039        | 4.48  | 112.23  | 1022.42 | 132B5       | 112B5       | 16300-22800     |             |
| <b>SIEMENS</b>     | FZ68-FD68   | 40 (45)               | 1000        | 3.97  | 61.17   | 296.18  | 132B5       | 112B5       | 8900-13650      |             |
| <b>MOTOVARIO</b>   | S082/3      | 40 (45lr)             | 1000        | 7.34  | 61.98   | 360.58  | 132B5       | 112B5       | 18000           |             |
| <b>BONFIGLIOLI</b> | F41         | 40                    | 1100        | 6.7   | 47.9    | 344.8   | 132B5       | 132B5       | 8500            |             |



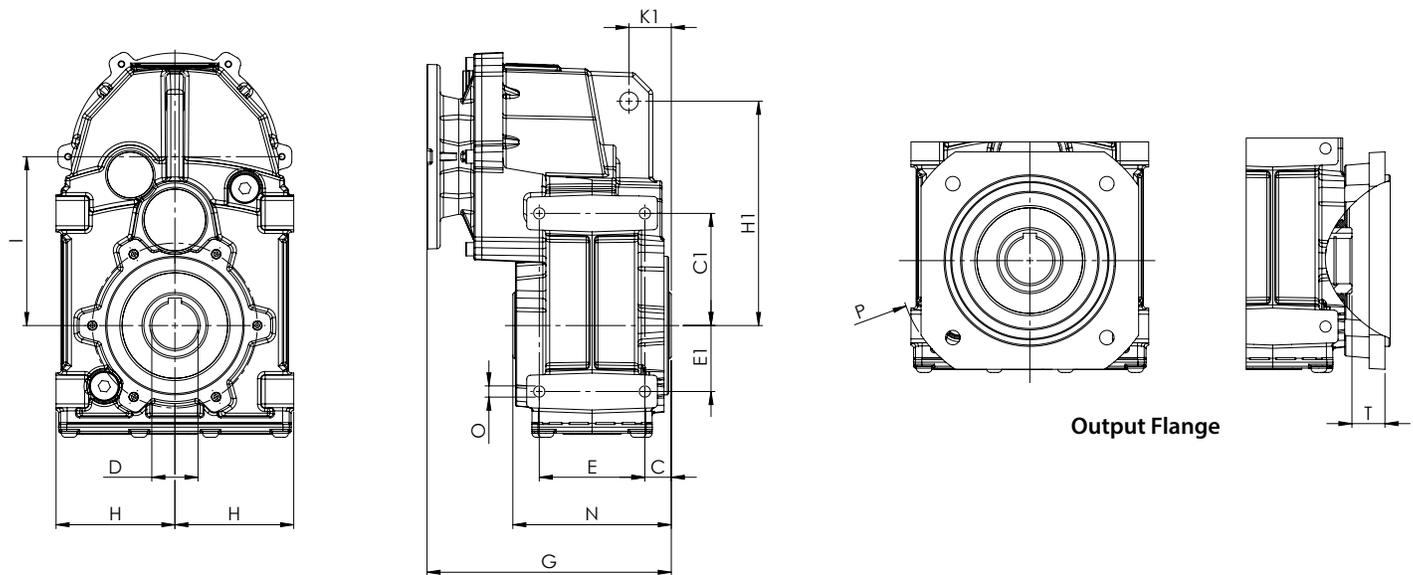
|                    |             | Output shaft "D"    | Output centerline to input "I" | Edge to output centerline "H" | Output centerline to center of nose "H1" | Face output to center of nose "K1" | Face output to body mounting "C" | Mounting body "E" | Mounting body "C1" | Mounting body "E1" | Mounting hole "O" | Output flange diameters per IEC "p" |
|--------------------|-------------|---------------------|--------------------------------|-------------------------------|--|------------------------------------|----------------------------------|-------------------|--------------------|--------------------|-------------------|-------------------------------------|
| <b>GEARSYNC</b>    | GHP 922/3   | 1.5", 40mm and 45mm | 173                            | 115                           | 218                                      | 41                                 | 34                               | 112               | 130                | 60                 | M12               | 200-250-300                         |
| <b>SEW</b>         | F67         | 40                  | 159.5                          | 106                           | 218                                      | 41                                 | 37.5                             | 112               | 130                | 60                 | M12               | 250                                 |
| <b>NORD</b>        | SK3282/3382 | 40                  | 178                            | 113                           | 250                                      | 39                                 |                                  |                   |                    |                    |                   | 250-300                             |
| <b>SIEMENS</b>     | FZ68-FD68   | 40 (45lr)           | 180                            | 112                           | 218                                      | 41                                 | 34                               | 112               | 130                | 60                 | M12               | 200-250-300                         |
| <b>MOTOVARIO</b>   | S082/3      | 40                  | 170                            | 112.5                         | 218                                      | 41                                 | 37                               | 106               | 130                | 60                 | M12               | 200-250-300                         |
| <b>BONFIGLIOLI</b> | A41         | 40                  | 176                            | 121                           | 218                                      | 56.5                               |                                  |                   |                    |                    |                   | 200-250-300                         |

|                    |             | Hollow Shaft Diameter | M2 max (Nm) | Ratio |         |         | IEC max 2nd | IEC max 3rd | Radial Load (N) | Weight (kg) |
|--------------------|-------------|-----------------------|-------------|-------|---------|---------|-------------|-------------|-----------------|-------------|
|                    |             |                       |             | i min | i max/2 | i max/3 |             |             |                 |             |
| <b>GEARSYNC</b>    | GHP 932/3   | 2" and 50mm           | 1700        | 6.13  | 72.90   | 405.42  | 160B5       | 112B5       | 12000-2300      | 55          |
| <b>SEW</b>         | F77         | 50                    | 1500        | 4.28  | 36.58   | 281.71  | 132B5       | 132B5       | 15700           |             |
| <b>NORD</b>        | SK4282/4382 | 50                    | 2000        | 4.70  | 155.40  | 1585.08 | 160B5       | 112B5       | 17500-30000     |             |
| <b>SIEMENS</b>     | FZ88-FD88   | 50 (60)               | 1900        | 4.77  | 64.58   | 404.92  | 160B5       | 132B5       | 14800-23400     |             |
| <b>MOTOVARIO</b>   | S102/3      | 50                    | 1600        | 8.06  | 67.84   | 394.69  | 160B5       | 112B5       | 11500-22000     |             |
| <b>BONFIGLIOLI</b> | F51         | 50                    | 1800        | 7.2   | 37.1    | 352.5   | 180B5       | 180B5       | 12000           |             |



|                    |             | Output shaft "D" | Output centerline to input "I" | Edge to output centerline "H" | Output centerline to center of nose "H1" | Face output to center of nose "K1" | Face output to body mounting "C" | Mounting body "E" | Mounting body "C1" | Mounting body "E1" | Mounting hole "O" | Output flange diameters per IEC "p" |
|--------------------|-------------|------------------|--------------------------------|-------------------------------|--|------------------------------------|----------------------------------|-------------------|--------------------|--------------------|-------------------|-------------------------------------|
| <b>GEARSYNC</b>    | GHP 932/3   | 2" and 50mm      | 180                            | 130                           | 235                                      | 50                                 | 36.5                             | 137               | 140                | 70                 | M16               | 250-300-350                         |
| <b>SEW</b>         | F77         | 50               | 200                            | 135                           | 278                                      | 50                                 | 36.5                             | 140               | 170                | 70                 | M16               | 300                                 |
| <b>NORD</b>        | SK4282/4382 | 50               | 206                            | 127.5                         | 281                                      | 48                                 |                                  |                   |                    |                    |                   | 300                                 |
| <b>SIEMENS</b>     | FZ88-FD88   | 50 (60)          | 230                            | 132                           | 278                                      | 50                                 | 35                               | 140               | 170                | 100                | M16               | 300                                 |
| <b>MOTOVARIO</b>   | S102/3      | 50               | 180                            | 130                           | 278                                      | 50                                 | 36.5                             | 137               | 205                | 70                 | M16               | 250-300-350                         |
| <b>BONFIGLIOLI</b> | F51         | 50               | 211.5                          | 136.5                         | 278                                      | 65                                 | 35                               | 110               | 170                | 70                 | M14               | 300-350-400                         |

| GEARSYNC    | GHP 942/3   | Hollow Shaft Diameter | M2 max (Nm) | Ratio     |         |             | IEC max 2nd | IEC max 3rd | Radial Load (N) | Weight (kg) |
|-------------|-------------|-----------------------|-------------|-----------|---------|-------------|-------------|-------------|-----------------|-------------|
|             |             |                       |             | i min     | i max/2 | i max/3     |             |             |                 |             |
|             |             | 2.375" and 60mm       | 3200        | 7.93      | 77.00   | 356.40      | 180B5       | 132B5       | 15000-31000     | 98          |
| SEW         | F87         | 60                    | 3000        | 4.12      | 33.92   | 270.68      | 180B5       | 180B5       | 19800           |             |
| NORD        | SK5282/5382 | 60                    | 3200        | 4.32      | 134.03  | 1367.08     | 180B5       | 112B5       | 31000-44000     |             |
| SIEMENS     | FZ108-FD108 | 60 (70)               | 3400        | 5.68      | 64.21   | 424.49      | 180B5       | 160B5       | 17900-28700     |             |
| MOTOVARIO   | S122/3      | 60                    | 3000        | 8.48      | 66.00   | 238.93      | 200B5       | 132B5       | 14700-30000     |             |
| BONFIGLIOLI | F60         | 60                    | 2900        | (3st) 9.2 |         | (3st) 280.7 |             | 180B5       | 20000           |             |



| GEARSYNC    | GHP 942/3   | Output shaft "D" | Output centerline to input "I" | Edge to output centerline "H" | Output centerline to center of nose "H1" | Face output to center of nose "K1" | Face output to body mounting "C" | Mounting body "E" | Mounting body "C1" | Mounting body "E1" | Mounting hole "O" | Output flange diameters per IEC "P" |
|-------------|-------------|------------------|--------------------------------|-------------------------------|--|------------------------------------|----------------------------------|-------------------|--------------------|--------------------|-------------------|-------------------------------------|
|             |             | 2.375" and 60mm  | 235                            | 165                           | 335                                      | 62                                 | 43                               | 165               | 210                | 100                | M16               | 300-350-450                         |
| SEW         | F87         | 60               | 246.7                          | 165                           | 346                                      | 62                                 | 43                               | 165               | 210                | 100                | M16               | 350                                 |
| NORD        | SK5282/5382 | 60               | 251                            | 153                           | 341                                      | 53                                 |                                  |                   |                    |                    |                   | 350                                 |
| SIEMENS     | FZ108-FD108 | 60 (70)          | 280                            | 160                           | 346                                      | 62                                 | 37.5                             | 165               | 210                | 100                | M16               | 350                                 |
| MOTOVARIO   | S122/3      | 60               | 235                            | 165                           | 346                                      | 62                                 | 43                               | 165               | 210                | 100                | M16               | 300-350                             |
| BONFIGLIOLI | F60         | 60               | 267                            | 149                           | 325                                      | 81                                 | 39.5                             | 140               | 190                | 70                 | M16               | 300-350-400                         |

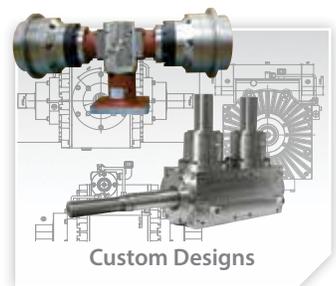
# ABOUT DIEQUA

Founded in 1980 by Dietmar Quaas, and now owned by his sons, DieQua Corporation has expanded from a single product line to become a leading manufacturer and supplier of an extensive line of high-quality power transmission and precision motion control products, including gearboxes, servo gearheads, screw jack systems, speed reducers, cycloidal reducers, and connecting components. The company also offers custom product modifications and complete design solutions for virtually any application. DieQua Corporation serves a wide range

of industries, including medical and health care, marine engineering, renewable energy, mining, transportation, steel, forestry and lumber, water and wastewater, automotive, and factory automation, to name a few.

An experienced and knowledgeable technical sales, customer service, and engineering support staff, as well as local distributors, ensure that DieQua customers in North America, Mexico and South America select the optimum components, systems, and best design solutions for their specific requirements.

## The DieQua family of products



## The DieQua Advantage

### Engineering Support

DieQua Corporation has several decades of combined experience specifying power transmission and motion control components. This assures proper selection of components and systems to suit your unique requirements.

### Warehousing

We pride ourselves for our extensive in-stock inventory. For fast product turnaround, DieQua Corporation stocks many components of various ratios and sizes, ready to ship fast.

### Manufacturing and Assembly

DieQua Corporation now manufactures or assembles most of the products, for on-time delivery of standard orders as well as prototypes. We are ISO 9001 certified and are constantly improving our quality systems to ensure our customers receive the best products.



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