

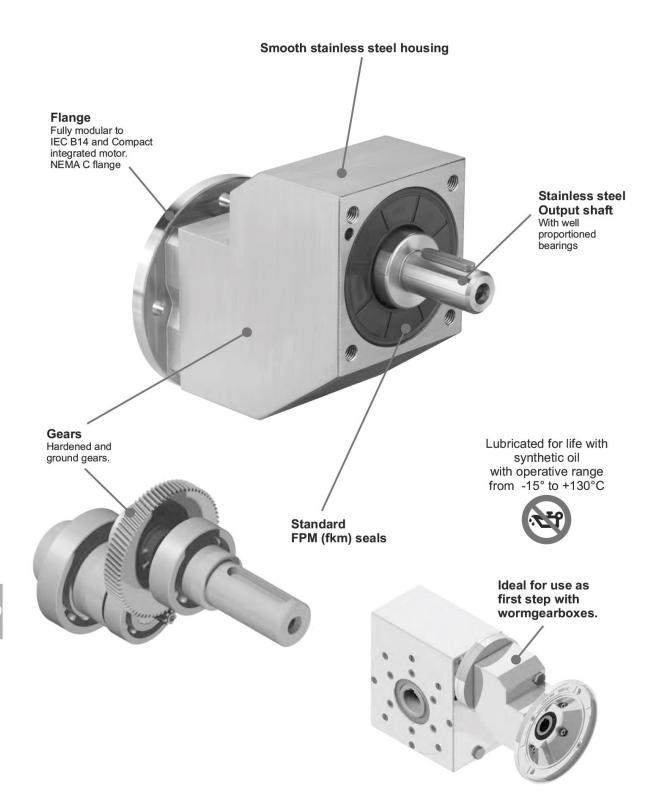
Stallion Stainless Steel Gearboxes

Stainless Steel One-Step Gearboxes

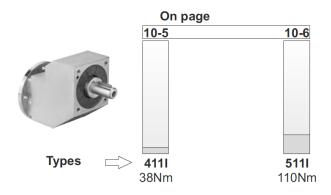


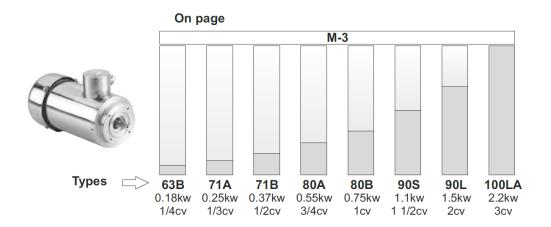
Stainless steel one step gearboxes

A modular and compact product

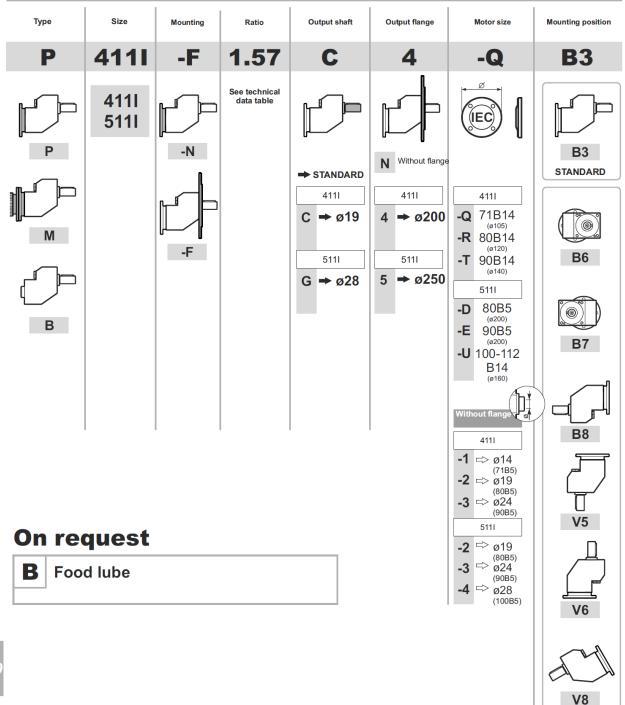


Specific type datasheet on page...





HOW TO ORDER



- B3 is supplied with standard oil quantity
- Please specify in the order if you required other mounting positions



On request we can deliver our products according to the ATEX

USEFUL FORMULAS

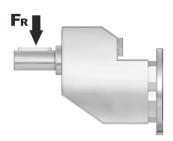
REQUIRED POWER

| Lifting | P [KW] = M [Kg] • g [9.81] • v [m / s] 1000 |
|-----------------|---------------------------------------------------|
| Rotation | P [KW] = <u>M [Nm] • n [rpm]</u> 9550 |
| Linear movement | P[KW]= F[N]·v[m/s] 1000 |
| | |

| TORQUE | AR |
|--------|--------------------------------------------------|
| | M[Nm]= <u>9550 · P[KW]</u> n [rpm] |
| | M [lb in] = <u> 63030 • P [HP]</u> n [rpm] |

RADIAL LOADS

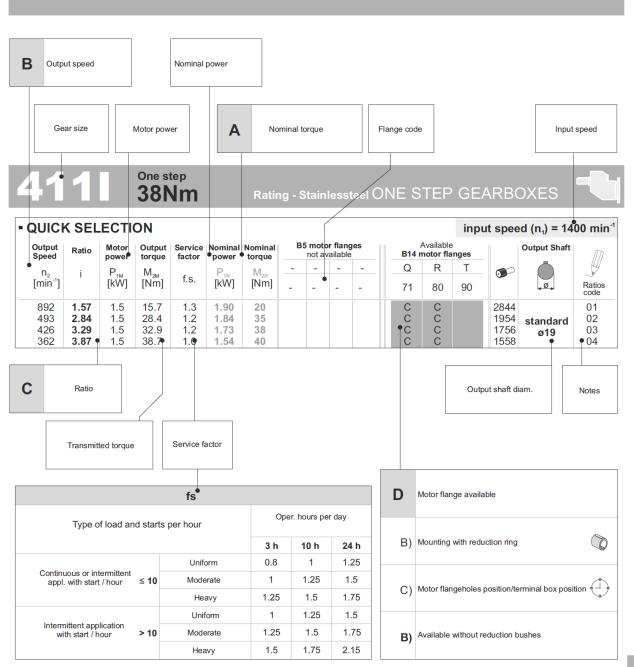
- Radial load generated by external transmissions keyed onto input and/or output shafts.



| | $\mathbf{F}_{R}[N] = \frac{\mathbf{M}[Nm] \cdot 2000}{\mathbf{d}[mm]} \cdot \mathbf{f}_{K}$ | $\mathbf{F}_{R}[N] = \frac{\mathbf{M} [lb in] \cdot 8.9}{\mathbf{d} [in]} \cdot \mathbf{f}_{K}$ | | | | | | |
|-----------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--|--|--|--|--|--|
| м | Output torque | | | | | | | |
| d | Diam. of driving element | | | | | | | |
| f _K | Coefficient factor 1.15 Gear wheels 1.25 Chain sprochets 1.75 Narrow V-belt pulley 2.50 Flat belt pulley | | | | | | | |

- If your application requires higher radial loads, contact our technical office. Higher load may be possible.





| Α | Select required torque (according to service factor) |
|---|------------------------------------------------------------------------------|
| В | Select ouput speed |
| С | On the same line of selected geared motor, you can find the gear ratio |
| D | Select motor flange available (if requested) |

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4111 One step 38Nm

QUICK SELECTION

| Output Speed | Ratio | Motor power | Output torque | Service factor | Nominal power | Nominal torque | В | | or flang /ailable | | | Available notor fla | | | Output Shaft | Π |
|----------------------|-------|-----------------|------------------|-------------------|-----------------|-------------------|---|---|----------------------|---|----|------------------------|----|------|--------------|----------------|
| n, | i | P _{1M} | M _{2M} | _ | P _{1R} | M _{2R} | - | - | - | - | Q | R | Т | 00 | | S |
| [min ⁻¹] | | [kŴ] | [Nm] | f.s. | [kŴ] | [Nm] | - | - | - | - | 71 | 80 | 90 | | Ø | Ratios code |
| 891 | 1.57 | 1.5 | 16 | 1.3 | 1.9 | 20 | | | | | С | С | | 2844 | | 01 |
| 493 | 2.84 | 1.5 | 28 | 1.2 | 1.8 | 35 | | | | | С | С | | 1954 | | 02 |
| 425 | 3.29 | 1.5 | 33 | 1.2 | 1.7 | 38 | | | | | С | С | | 1756 | | 03 |
| 362 | 3.87 | 1.5 | 39 | 1.0 | 1.5 | 40 | | | | | С | С | | 1558 | standard | 04 |
| 303 | 4.62 | 1.5 | 46 | 1.0 | 1.5 | 47 | | | | | С | С | | 1360 | ø19 | 05 |
| 222 | 6.30 | 1.1 | 46 | 1.0 | 1.1 | 46 | | | | | С | С | | 1063 | | 06 |
| 170 | 8.22 | 0.55 | 30 | 1.3 | 0.69 | 38 | | | | | С | С | | 974 | | 07 |
| 129 | 10.86 | 0.37 | 27 | 1.0 | 0.39 | 28 | | | | | С | С | | 776 | | 08 |

The dynamic efficiency is 0.98 for all ratios

* The nominal power should be reduced if the ambient temperature is ≥ 30°C, or when a cooler gearbox is required.

Motor Flanges Available 👔 Supplied with Reduction Bushing B) Available on Request without reduction bushing

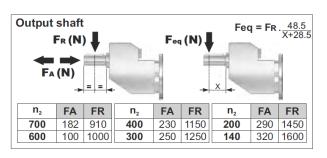
C) Motor Flange Holes Position

input speed (n₁) = 1400 min⁻¹

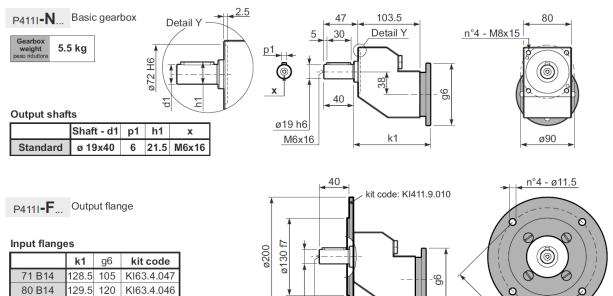
EN Unit **411I** is supplied with synthetic oil for lifetime lubrification, no maintenance is necessary.

LUBRICATION 4111 Oil Quantity 0.14 Lt.

AGIP Telium VSF 320 SHELL Omala S4 WE 320
For all details on lubrication and plugs check our website



€765



3.5

7

k1

ø19 h6

M6x16

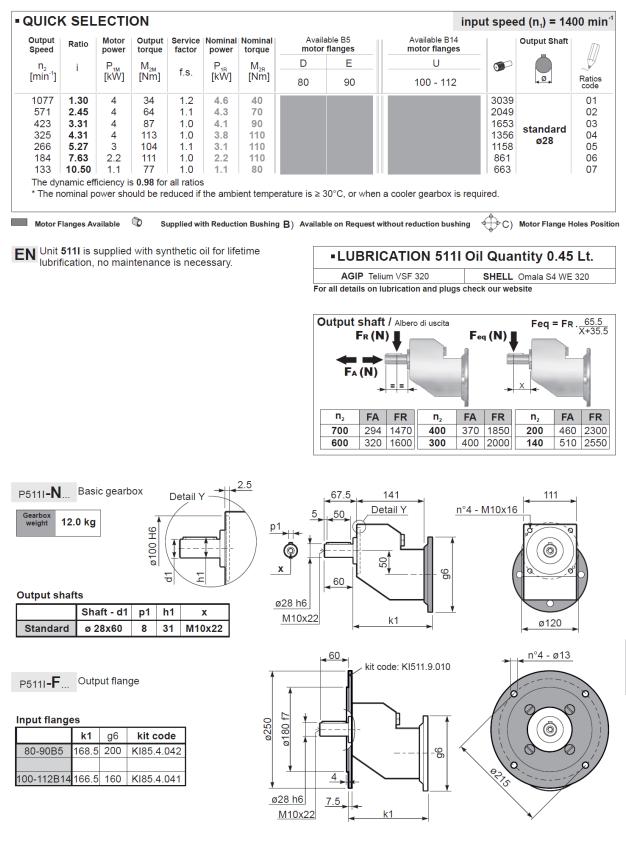
90 B14

130.5 140

KI63.4.041

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5111 One step 110Nm



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Stallion Stainless Steel Electric Motors

"The Washdown Champion"

Contact Us

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