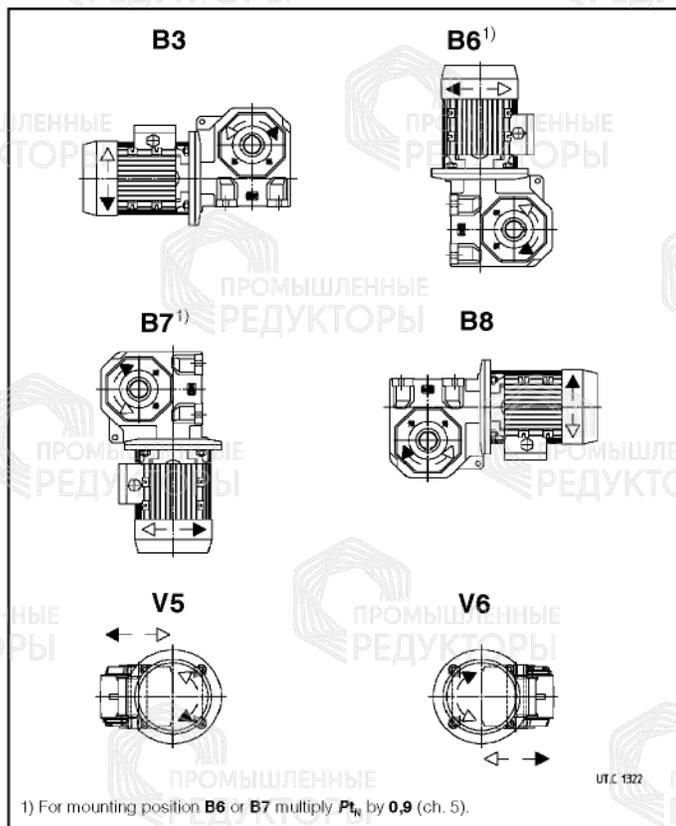


4 - Mounting positions and lubrication

Mounting positions (and direction of rotation)

Unless otherwise stated, gearmotors are supplied in mounting position **B3** (**B3** and **B8** for sizes ≤ 535) which, being standard, is **omitted** from the designation.



Lubrication

Worm gear pairs and bearings are oil-bath lubricated; worm-wheel bearings are lubricated with grease – assuming pollution-free surroundings – «for life» (bearings with low-friction rubber seals). All sizes are envisaged with synthetic oil lubrication (synthetic oils can withstand operating temperatures up to **203 ÷ 230 °F** (95 ÷ 110 °C)).

Gearmotors are supplied **filled with synthetic oil** (AGIP Blasia S 320, KLÜBER Klübersynth GH 6-320, MOBIL Glygoyle HE 320, SHELL Tivela S 320), providing «long life» lubrication, assuming pollution-free surroundings. Ambient temperature 32 ± 104 °F (0 ÷ 40 °C) with peaks of -4 °F (-20 °C) and +122 °F (+50 °C).

An overall guide to **oil-change interval**, is given in the table, and assumes pollution-free surroundings. Where heavy overloads are present, halve the value.

Oil temperature [°F]	Oil-change interval [h] - Synthetic oil
≤ 149	18 000
149 ÷ 176	12 500
176 ÷ 203	9 000
203 ÷ 230	6 300

Never mix different makes of synthetic oil; if oil-change involves switching to a type different from that used hitherto, then give the gear reducer a thorough clean-out.

Important: be sure that the gearmotor is installed as per mounting position ordered and stated on the name plate: if the gearmotor is installed in a **different mounting position** verify, according to the values given in the table and/or on the lubrication plate, that the **oil quantity** doesn't **change**; if so, **adjust** it accordingly.

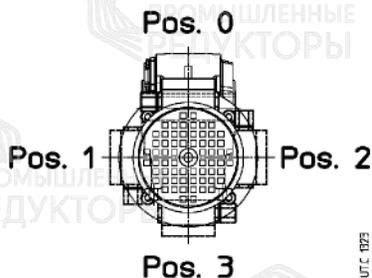
Size	Oil quantities [gal]		
	B3, V5, V6	B8	B6, B7
118		0.04	0.07
225		0.05	0.08
325		0.08	0.12
430		0.16	0.24
535		0.29	0.42
742	0.42	0.58	0.77

Terminal box position

Unless otherwise stated, gearmotors are supplied with motor terminal box in position 0, as stated in the figure below. On request, positions 1 ... 3 are available: complete the designation stating «**terminal box position 1, 2 or 3**» (according to figure below).

Cable gland can be fitted in a position different from the one given in the figure (at Buyer's care).

In position 3 the terminal box projects below the foot mounting surface.



Running-in: a period of about 200 ÷ 800 h is advisable, by which time the gear pair will have reached maximum efficiency (ch. 11); oil temperature during this period is likely to reach higher levels than would normally be the case.

Seal rings: duration depends on several factors such as dragging speed, temperature, ambient conditions, etc.; as a rough guide it can vary from 3 150 to 12 500 h.

Plug position

Gearmotors are provided with 1 plug (2 plugs for size 742) positioned as in figure below. No level plug is foreseen.

