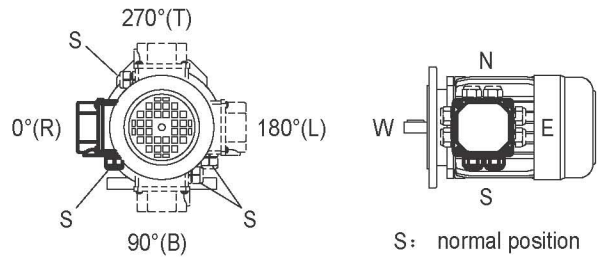
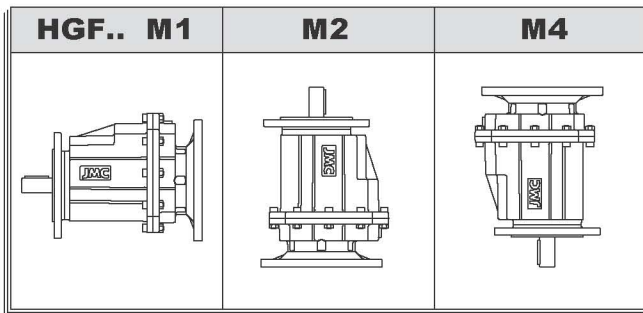
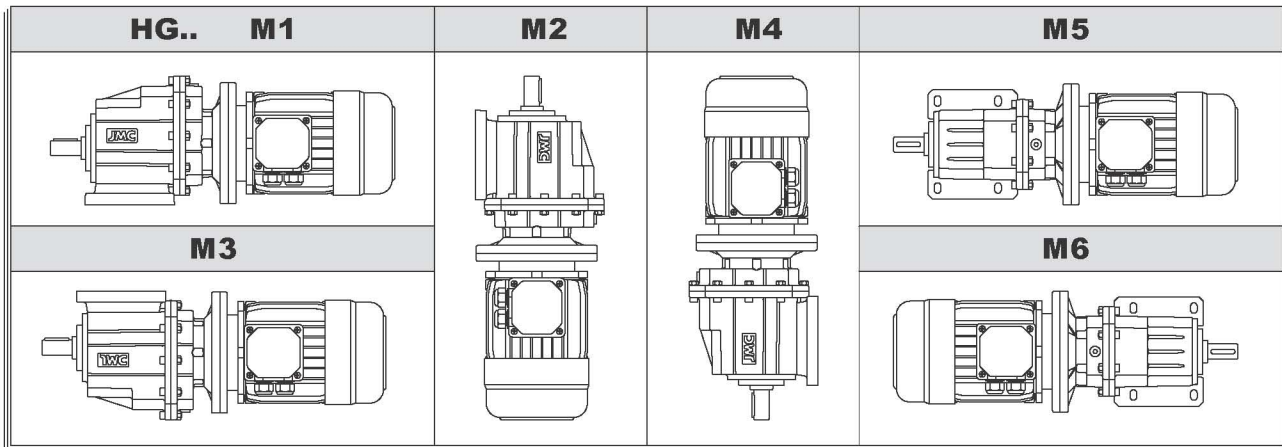







9. MOUNTING POSITION AND TERMINAL BOX ORIENTATION



10. LUBRICATION

10.1 Types of lubrication

	 °C -50 0 +50 +100	 ISO	 SHELL	 MOBIL	 BP	lubrication type
HG..	Standard -10 +40	VG 220	Shell Omala 220	Mobilgear 630	BP Energol GR-XP 220	Mineral oil
	-20 +25	VG 150 VG 100	Shell Omala 100	Mobilgear 627	BP Energol GR-XP 100	
	-30 +10	VG 68-46 VG 32	Shell Tellus T 32	Mobil D.T.E. 13M		
	-40 -20	VG 22 VG 15	Shell Tellus T 15	Mobil D.T.E. 11M	BP Energol HLP-HM 15	Synthetic oil
	-40 +80	VG 220	Shell Omala HD 220	Mobil SHC 630		
	-40 +40	VG 150		Mobil SHC 629		
	-40 +10	VG 32		Mobil SHC 624		

10.2 Lubricant fill quantity

Gear units	Fill quantity in liters						unit: 升(L)
	M1	M2	M3	M4	M5	M6	
HG20..	0.4	0.6	0.4	0.3	0.3	0.3	
HG25..	0.5	0.7	0.5	0.4	0.4	0.4	
HG30..	0.8	1.1	0.8	0.6	0.6	0.6	
HG35..	1.2	1.6	1	1	0.9	0.9	

The fill quantity in the table is referenced, the exact value relating to the ratio. All HG Series helical gear units are filled with life lubrication before delivery, do not need to change it in general.