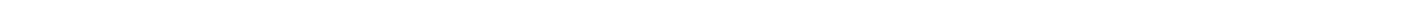




LENZO STEPLESS SPEED VARIATOR

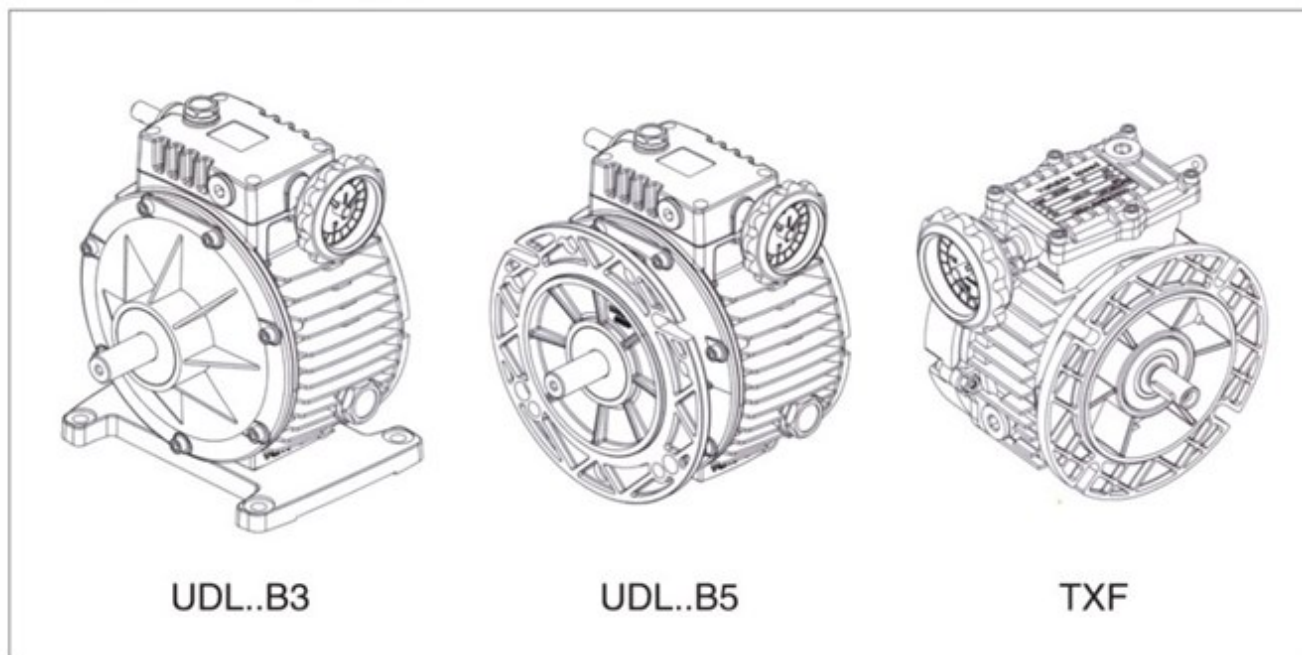
Italian Technology



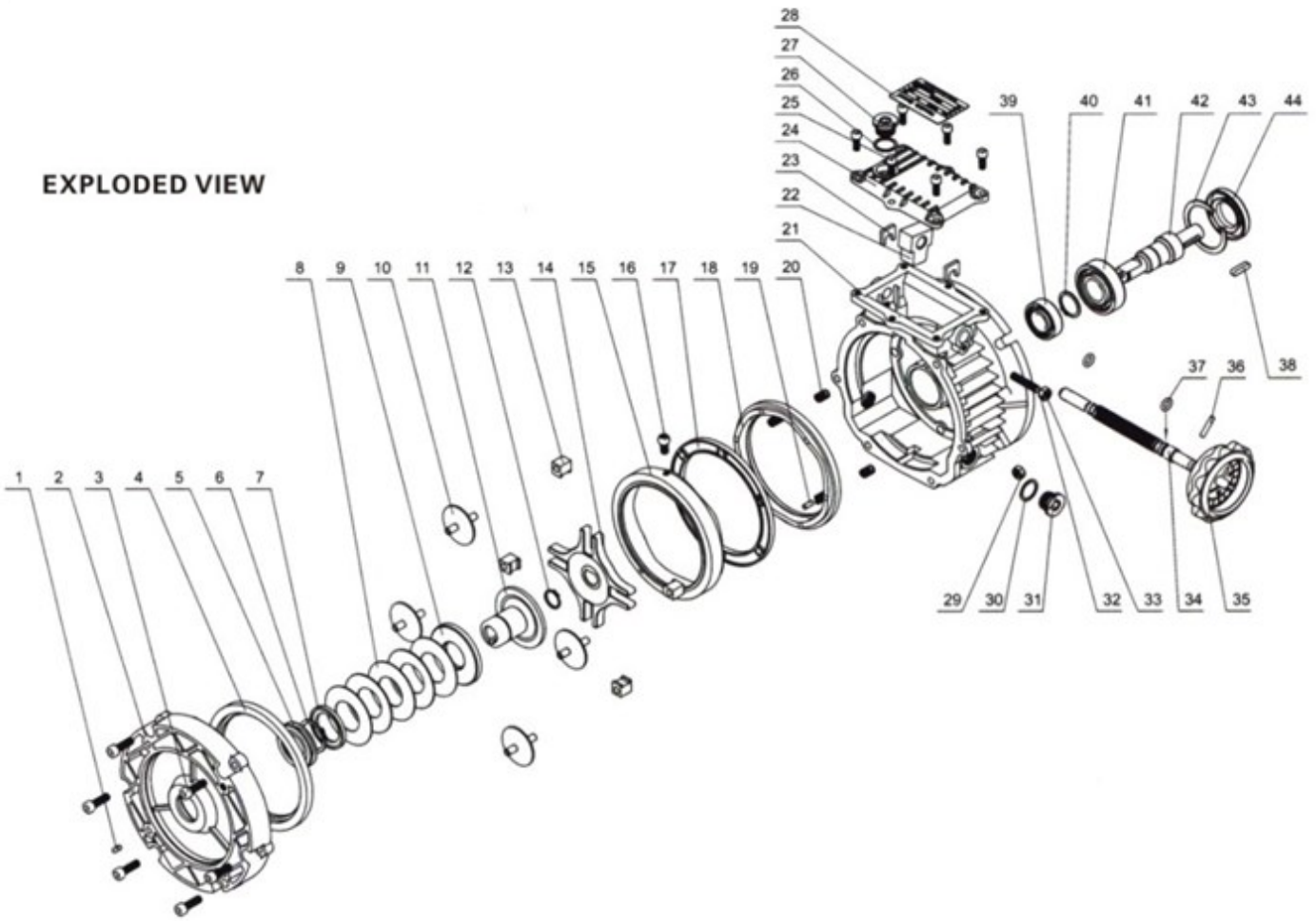
TO INSTALL THE REDUCTION UNIT IT IS TO NOTE THE FOLLOWING RECOMMENDATIONS

- The mounting on the machine must be stable to avoid any vibration.
- Check the correct direction of rotation of the reduction unit output shaft before fitting the unit to the machine.
- In the case of particularly lengthy periods of storage (4–6 months) if the oil seal is not immersed in the lubricant inside recommended to change it since the rubber could stick to the shaft or even has lost the elasticity it needs to function properly.
- For a shaft mounting, for reduction units with a hollow output shafts use the torque arms motionclinic can supply. If it is not make sure that the constraint is axially free and with such as play as to ensure free movement to the reduction unit.
- Whenever possible, protect the reduction unit against solar radiation and fan side.
- Ensure the motor cools correctly by assuring good passage of air from the fan side.
- In the case of ambient temperatures (-5°C and) $+40^{\circ}\text{C}$ contact motionclinic.
- The various parts (pulleys, gear, wheels, couplings, shafts, etc.) must be mounted on the solid or hollow shafts using special holes or other systems that anyhow ensure correct operation without risking damage to the bearings or external parts of the unit.
- Painting must definitely not go over rubber parts and the holes on the breather plugs, if there are any.
- Taking out the seal embolism of the oilhole.
- Check the height of the oil level.
- Supposing the gear unit have not coupled with the motor, please pay attention to the following items to make sure right connection. Mounting to B5, B14
- Check whether the tolerance between the shaft and motor flange fit for the essential standard.
- Washing the dirt and the paint on the surfaces of the shaft, center bore and the flange.
- Mounting avoid the gear unit incur strength.
- Check the position and the declination of the motor keyslot.
- Lubricate the surfaces in contact to avoid seizure or oxidation.
- Starting must take place gradually, without immediately applying the maximum load.
- When there are parts objects or materials under the motor drive that can be damaged by even limited spillage of oil, special should be fitted.

DUL/TXF SERIES PLANETARY CONE & DISK STEP-LESS SPEED VARIATOR



EXPLODED VIEW

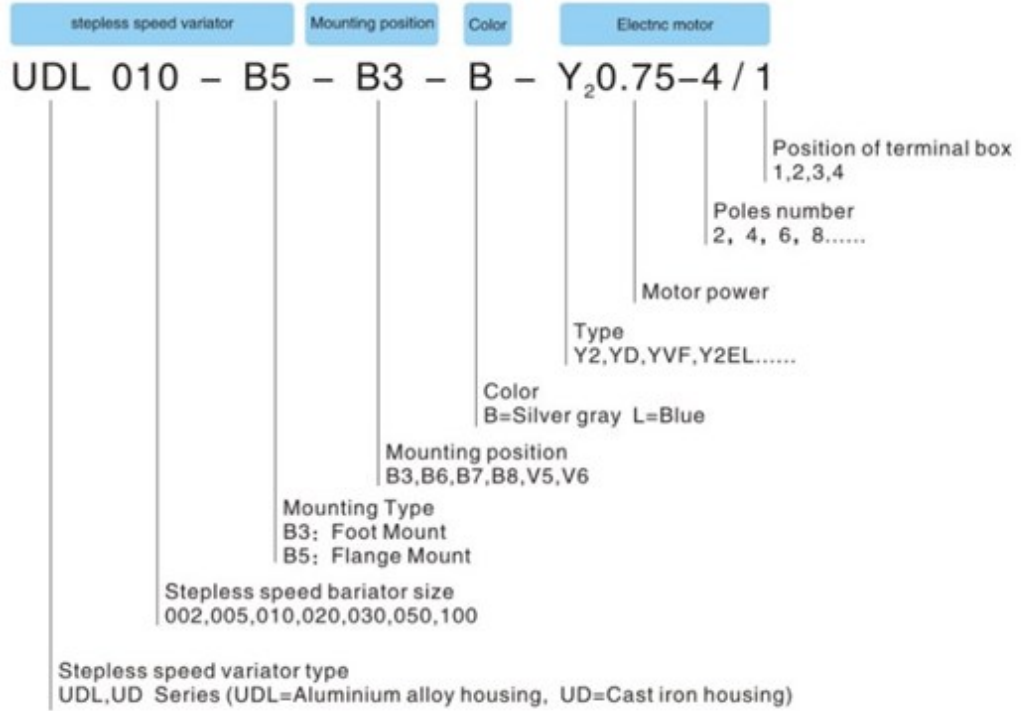


1	Straight pin	12	Circlip for shaft	23	Licating piece	34	Regulating screw rod
2	Input flange	13	Planet disc friction bearing	24	Cap	35	Handwheel
3	Hexagon socket head cap screw	14	Pkanet carrier	25	Hexagon socket head cap screw	36	Straight pin
4	Fixed annulus race	15	Adjustable annulus race	26	Rubber gasket	37	O-ring
5	Oli seal	16	Ball joint	27	Oil plug	38	Parallel key
6	Circlip for shaft	17	Ball ring	28	Nameplate	39	Bearing
7	Washer	18	Cam ring	29	Hexagon nuts	40	Circlip for hole
8	Belleville spring	19	Straight pin	30	Rubber insert	41	Bearing
9	Adjustable sun race	20	Spring	31	Oil level indicator	42	Low speed shaft
10	Planet disc	21	Case	32	Bilt	43	Circlip for hole
11	Fixed sun race	22	Regulating block	33	Hexagon nuts	44	Oli seal

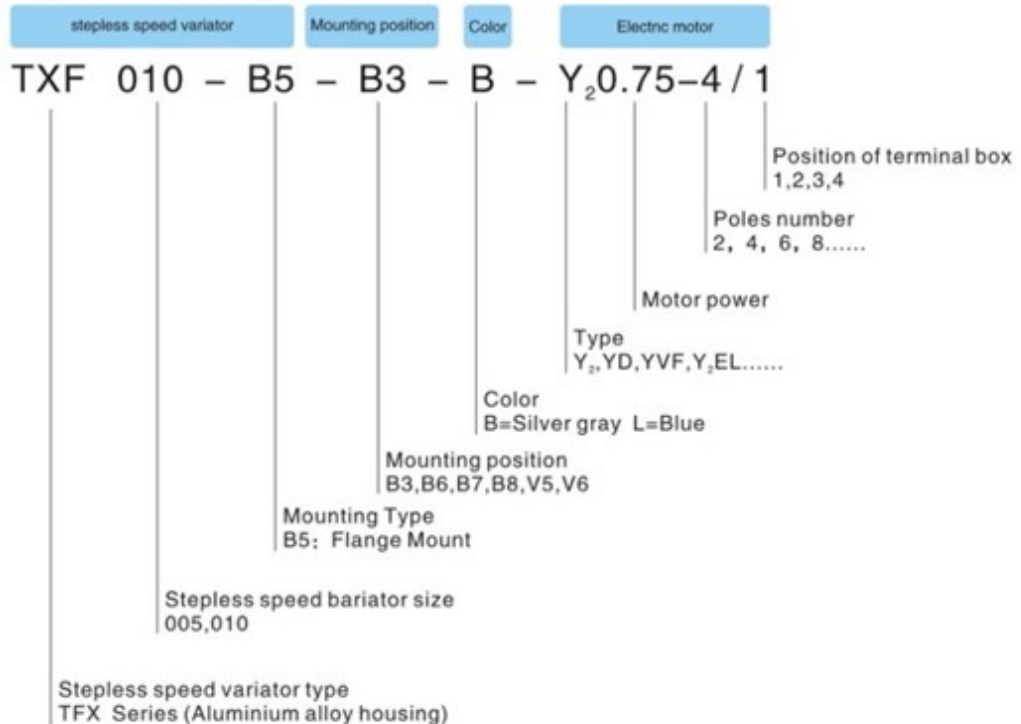


DESIGNATION

UDL UDL Series stepless speed variator



TXF Series stepless speed variator



STEPLESS SPEED VARIATOR SELECTION CHARTS

UDL Performance

$n_1=1400$

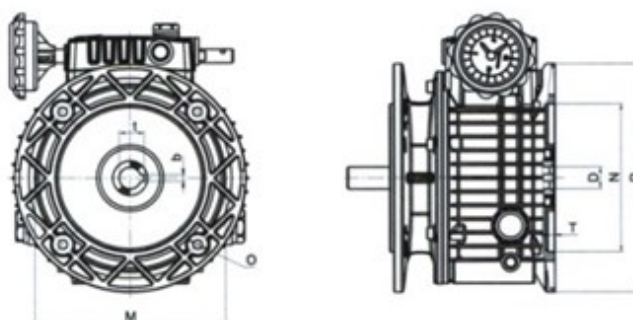
P_1 (kw)	i	TYPE	$n_2 \text{ min}^{-1}$ max	$n_2 \text{ min}^{-1}$ min	$M_2 \text{ Nm}^{-1}$ min	$M_2 \text{ Nm}$ max	
0.18	1.6-8.2	UDL002	880	170	1.5	3	632-4
0.25	1.4-7	UDL005	1000	200	2	6	711-4
0.37	1.4-7	UDL005	1000	200	3	6	712-4
0.55	1.4-7	UDL010	1000	200	4.4	12	801-4
0.75	1.4-7	UDL010	1000	200	6	12	802-4
1.1	1.4-8.2	UD020	1000	170	9	18	90S-4
1.5	1.4-8.2	UD020	1000	170	12	24	90L-4
2.2	1.4-7	UD030	1000	200	17	36	100L1-4
3.0	1.4-7	UD030/050	1000	200	24	48	100L2-4
4.0	1.4-7	UD050	1000	200	32	64	112M-4
5.5	1.4-7	UD100	1000	200	45	90	132S-4
7.5	1.4-7	UD100	1000	200	59	118	132M-4

TXF Performance

$n_1=1400$

P_1 (kw)	i	TYPE	$n_2 \text{ min}^{-1}$ max	$n_2 \text{ min}^{-1}$ min	$M_2 \text{ Nm}^{-1}$ min	$M_2 \text{ Nm}$ max	
0.25	1.4-8.2	TXF005	1000	170	2	6	711-4
0.37	1.4-8.2	TXF005	1000	170	3	6	712-4
0.55	1.4-8.2	TXF010	1000	170	4.4	12	801-4
0.75	1.4-8.2	TXF010	1000	170	6	12	802-4

IEC Motor interface



	PAM IEC	P	N_{H7}	M	O	D_{E7}	b	t	T
UDL002	63B5	140	95	115	M8	11	4	12.8	4
UDL005/TXF005	71B5	160	110	130	M8	14	5	16.3	5
UDL010/TXF010	80B5	200	130	165	M10	19	6	21.8	6
UD020	90B5	200	130	165	M10	24	8	27.3	6
UD030/050	100B5/112B5	250	180	215	M12	28	8	31.3	6
UD100	132B5	300	230	265	M12	38	10	41.3	6