
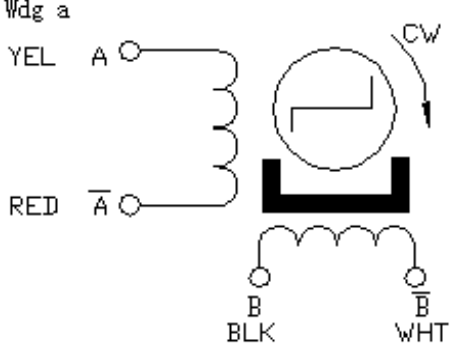


Pictures:	Connecting Diagram
	<p>Wdg a</p> 

Outline Drawing:

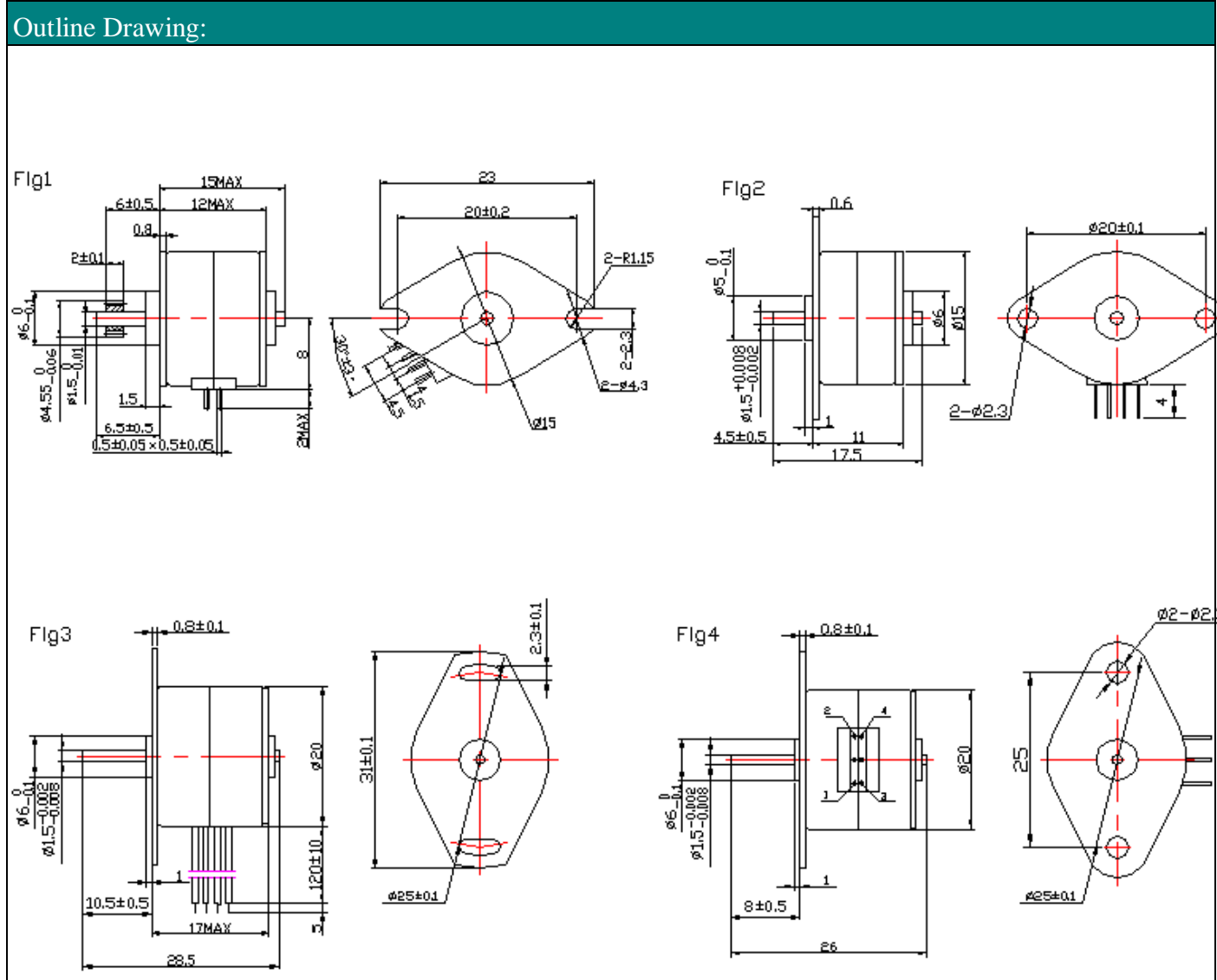


Fig1 (15BY): Side view dimensions include $\phi 6_{-0.1}^0$, $\phi 4.55_{-0.005}^0$, $\phi 1.5_{-0.01}^0$, 6 ± 0.5 , 12 MAX , 15 MAX , 0.8 , 2 ± 0.1 , 1.5 , 6.5 ± 0.5 , $0.5 \pm 0.05 \times 0.5 \pm 0.05$, 2 MAX , 8 , $2 \text{--} R1.15$, $2 \text{--} R2.3$, $2 \text{--} R4.3$, $\phi 15$, and $2 \text{--} R3.35$.

Fig2 (15BY): Side view dimensions include $\phi 5_{-0.1}^0$, $\phi 1.5_{-0.002}^{+0.008}$, 4.5 ± 0.5 , 0.6 , $\phi 6$, $\phi 15$, 11 , and 17.5 . Front view dimensions include $\phi 20 \pm 0.1$, $2 \text{--} \phi 2.3$, and 4 .

Fig3 (20BY): Side view dimensions include $\phi 6_{-0.1}^0$, $\phi 1.5_{-0.002}^{+0.008}$, 10.5 ± 0.5 , 17 MAX , 28.5 , 0.8 ± 0.1 , 120 ± 10 , 5 , and $\phi 20$. Front view dimensions include 31 ± 0.1 , 2.3 ± 0.1 , and $\phi 25 \pm 0.1$.

Fig4 (20BY): Side view dimensions include $\phi 6_{-0.1}^0$, $\phi 1.5_{-0.002}^{+0.008}$, 8 ± 0.5 , 26 , 0.8 ± 0.1 , 1 , and $\phi 20$. Front view dimensions include 25 , $2 \text{--} \phi 2.3$, and $\phi 25 \pm 0.1$.

Pictures:	Connecting Diagram
	 <p>Wdg b RED A ORG COM YEL \bar{A}</p> <p>B COM B BLK BRN WHT</p> <p>CW</p>

Outline Drawing:

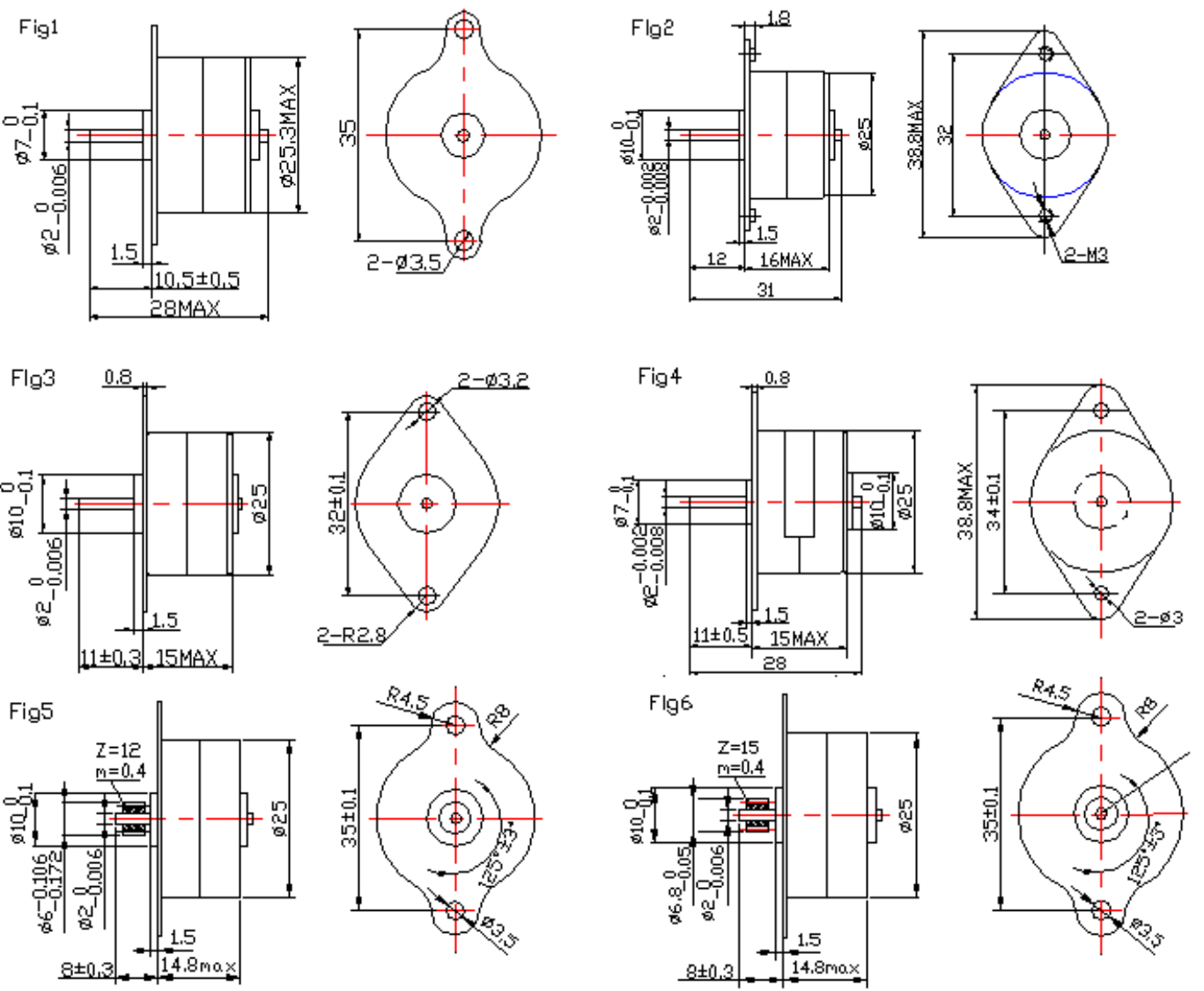


Fig1
Side view: $\phi 7_{-0.1}^0$, $\phi 2_{-0.006}^0$, 1.5, 10.5 ± 0.5 , 28_{MAX} , $\phi 25.3_{MAX}$
Front view: 35, $2-\phi 3.5$

Fig2
Side view: 18, $\phi 10_{-0.1}^0$, $\phi 2_{-0.008}^0$, 1.5, 12, 16MAX, 31, $\phi 25$
Front view: 38.8_{MAX} , 32, $2-M3$

Fig3
Side view: 0.8, $\phi 10_{-0.1}^0$, $\phi 2_{-0.006}^0$, 1.5, 11 ± 0.3 , 15MAX, $\phi 25$
Front view: 32 ± 0.1 , $2-\phi 3.2$, $2-R2.8$

Fig4
Side view: 0.8, $\phi 7_{-0.1}^0$, $\phi 2_{-0.008}^0$, 1.5, 11 ± 0.5 , 15MAX, 28, $\phi 25$
Front view: 38.8_{MAX} , 34 ± 0.1 , $\phi 3$

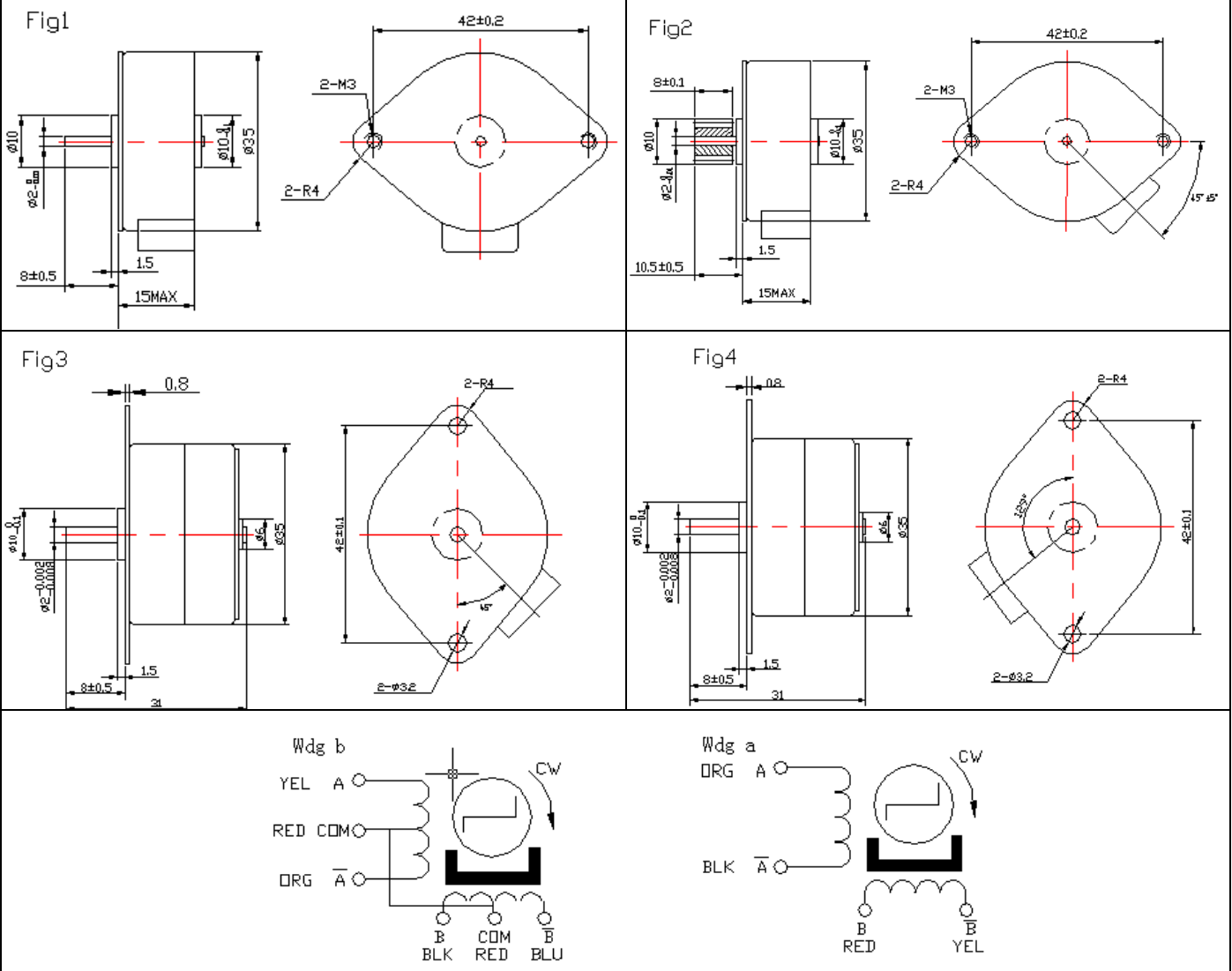
Fig5
Side view: $\phi 10_{-0.1}^0$, $\phi 6_{-0.172}^0$, $\phi 2_{-0.006}^0$, 1.5, 8 ± 0.3 , 14.8max, $\phi 25$, $Z=12$, $m=0.4$
Front view: 35 ± 0.1 , $R4.5$, $R8$, $125^{\circ} \pm 3^{\circ}$, $\phi 3.5$

Fig6
Side view: $\phi 10_{-0.1}^0$, $\phi 6.8_{-0.05}^0$, $\phi 2_{-0.006}^0$, 1.5, 8 ± 0.3 , 14.8max, $\phi 25$, $Z=15$, $m=0.4$
Front view: 35 ± 0.1 , $R4.5$, $R8$, $125^{\circ} \pm 3^{\circ}$, $\phi 3.5$

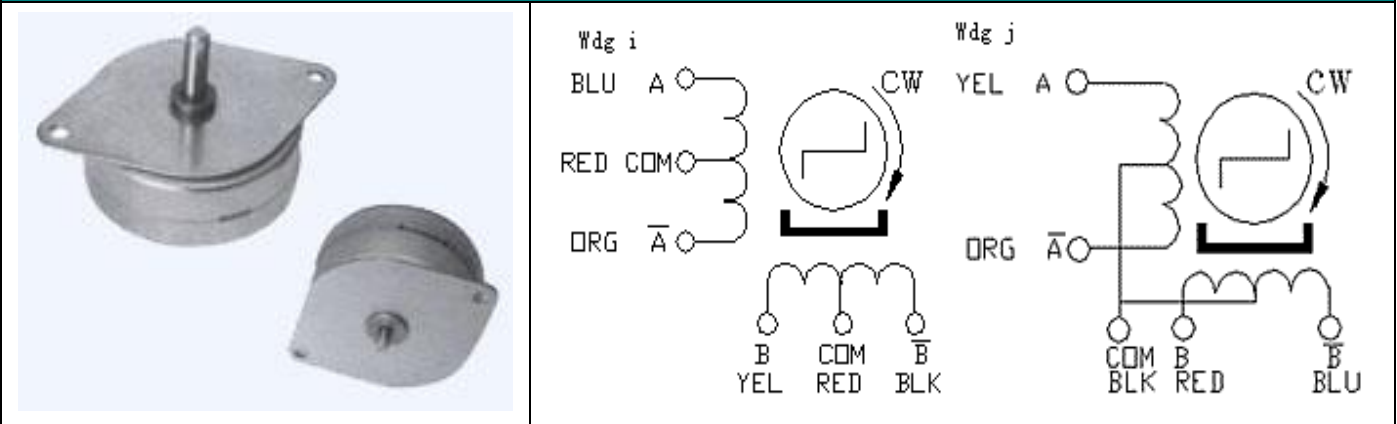
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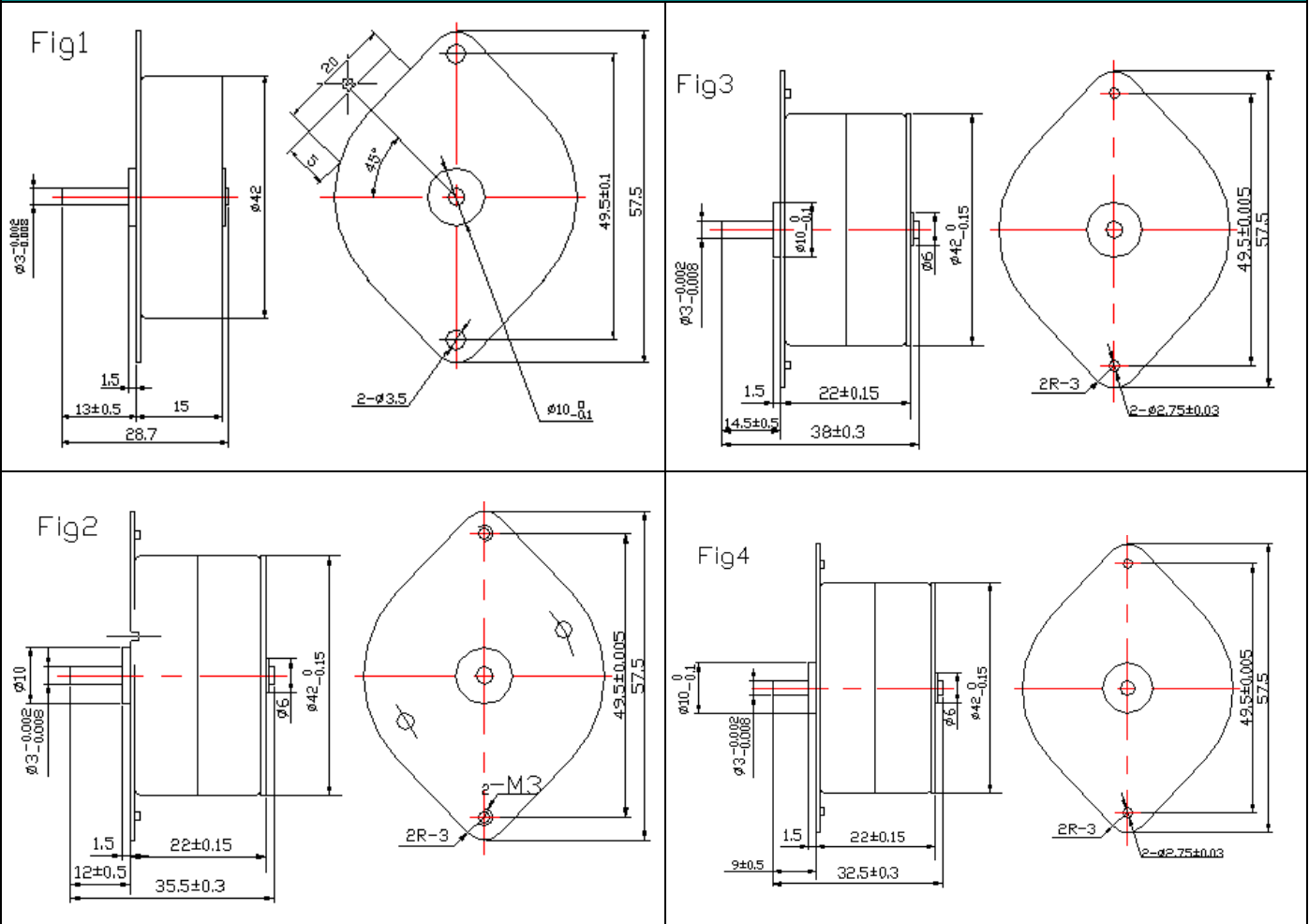
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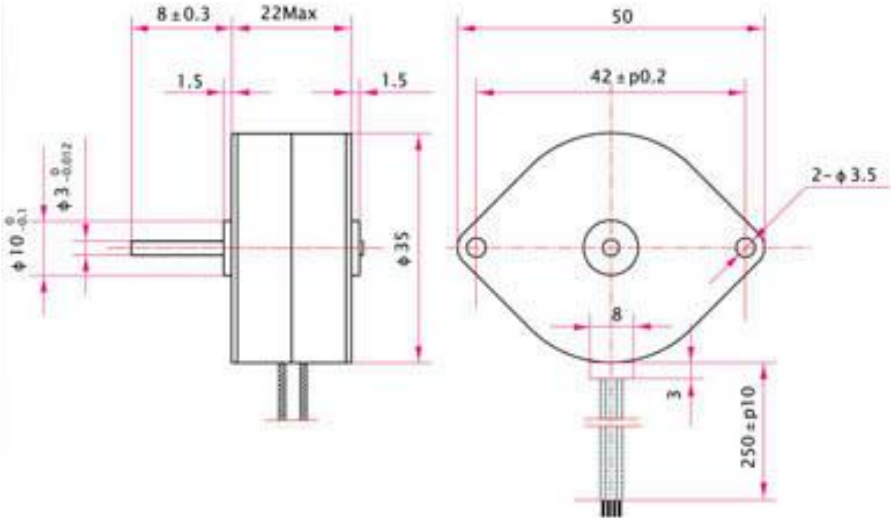

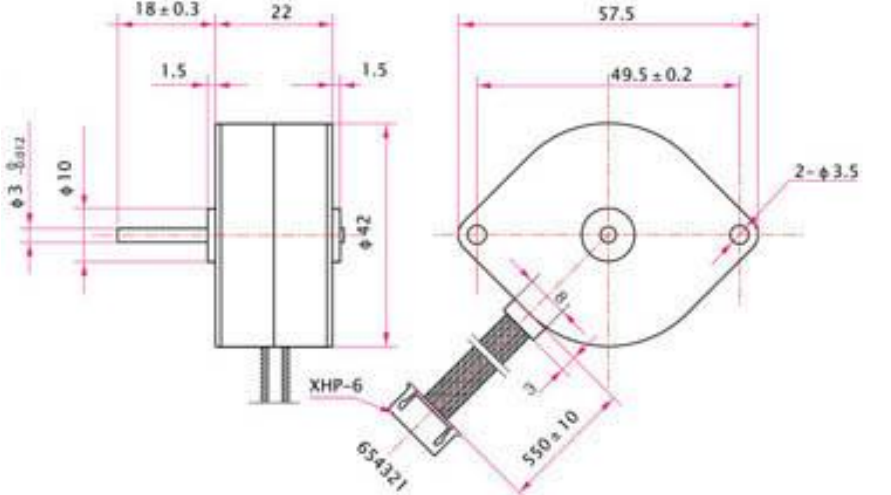
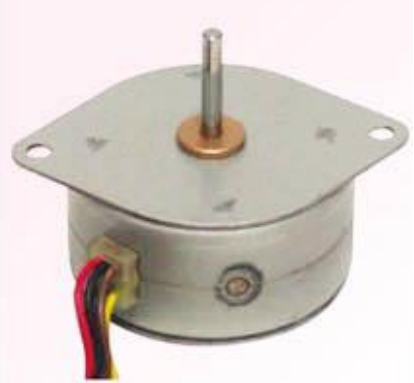


Pictures:



Outline Drawing:


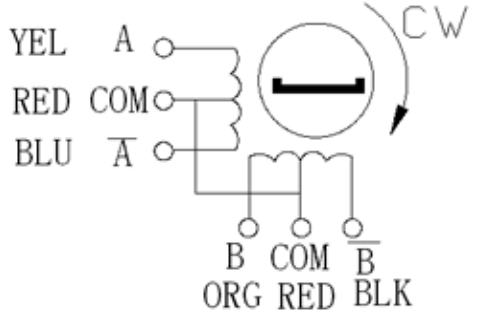


Outline Drawing:	Model: 35BY48
	
Outline Drawing:	Model: 42BY48
	

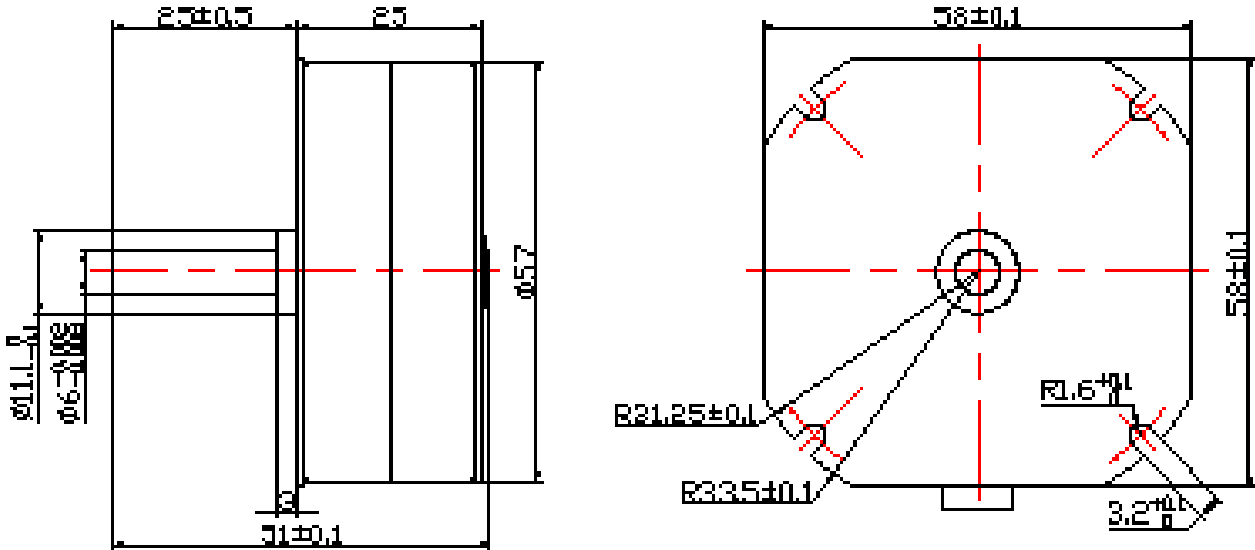
Main Technical Data: (other specifications can be met as OEM design)										
Model	Rated Voltage (VAC)	Resistance (ohm)	Max. Free Load Pull In Fre. (pps)	Pull In Torque (mNm)	Operating Freq. (pps)	Hold in Torque (mNm)	Max. Heating (K)	Noise [db(A)]	Step Angle (^o)	Insulation Degree
35BY48	5.0	10.0	450	8	650	≥44	≤50	≤40	7.5±7%	E
42BY48	5.0	14.5	600	12	800	≥56.84	≤50	≤40	7.5±7%	E

Main Technical Data: (other specifications can be met as OEM design)

Model	Step Angle	No.Of Phase	Voltage	Current	Resistance	Holding Torque	Deent Torque	Rotor Inertia	Leads	Wdg	Fig
	(°)		(V)	(A)	(Ω)	(G.Cm)	(G.Cm)	(G.Cm ²)			
15BY20L01	18	2	5	0.5	10	27	10	0.3	UL1061 AWG28	-	1
15BY20L02	18	2	12	0.065	190	40	10	0.3		-	2
15BY20L03	18	2	5	0.25	20	30	10	0.3		-	2
15BY20L04	18	2	12	0.24	50	35	10	0.3		-	2
20BY20L01	18	2	5	0.5	10	75	30	0.6		a	3
20BY20L02	18	2	5	0.4	13	65	30	0.6		-	4
25BY24L01	15	4	9	0.45	20	150	75	1	UL1061 AWG28	b	1
25BY24L02	15	4	12	0.4	30	150	75	1		b	2
25BY48L01	7.5	4	5	0.5	10	110	45	1		b	3
25BY48L02	7.5	4	12	0.24	50	110	45	1		b	4
25BY48L03	7.5	4	20	0.4	50	155	45	1		b	5
25BY48L04	7.5	4	20	0.4	50	155	45	1		b	6
25BY48L05	7.5	4	24	0.4	60	15	45	1		b	6
25BY48L06	7.5	4	24	0.25	85	120	45	1		b	6
35BY48S01	7.5	2	5	0.71	7	250	65	2.5	UL1061 AWG28	a	1
35BY48S02	7.5	2	5	0.42	12	200	65	2.5		a	2
35BY48S03	7.5	4	12	0.26	47	180	65	2.5		b	1
35BY48L01	7.5	2	12	0.2	60	550	120	7.9		a	3
35BY48L02	7.5	4	24	0.22	110	550	120	7.9		b	4
35BY48L03	7.5	4	48	1.3	13.5	800	120	7.9		b	5
42BY48S01	7.5	4	12	0.3	40	500	100	9.6	UL1007 AWG26	i	1
42BY48S02	7.5	4	24	0.2	120	450	100	9.6		i	1
42BY48L01	7.5	4	12	0.2	70	550	110	9.6		i	2
42BY48L02	7.5	4	22	0.2	100	800	210	9.6		j	3
42BY48L03	7.5	4	19	1.27	15	1100	210	9.6		j	4

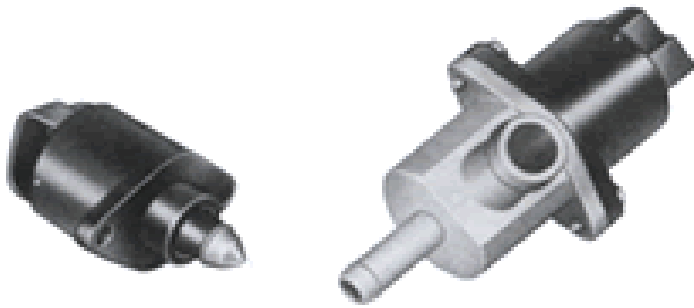
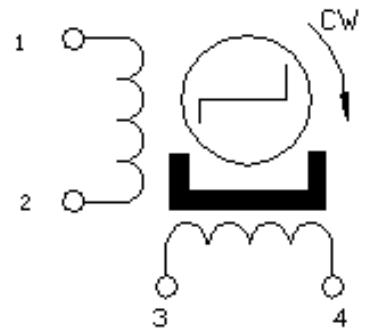
Pictures:	Connecting Diagram
	

Outline Drawing:

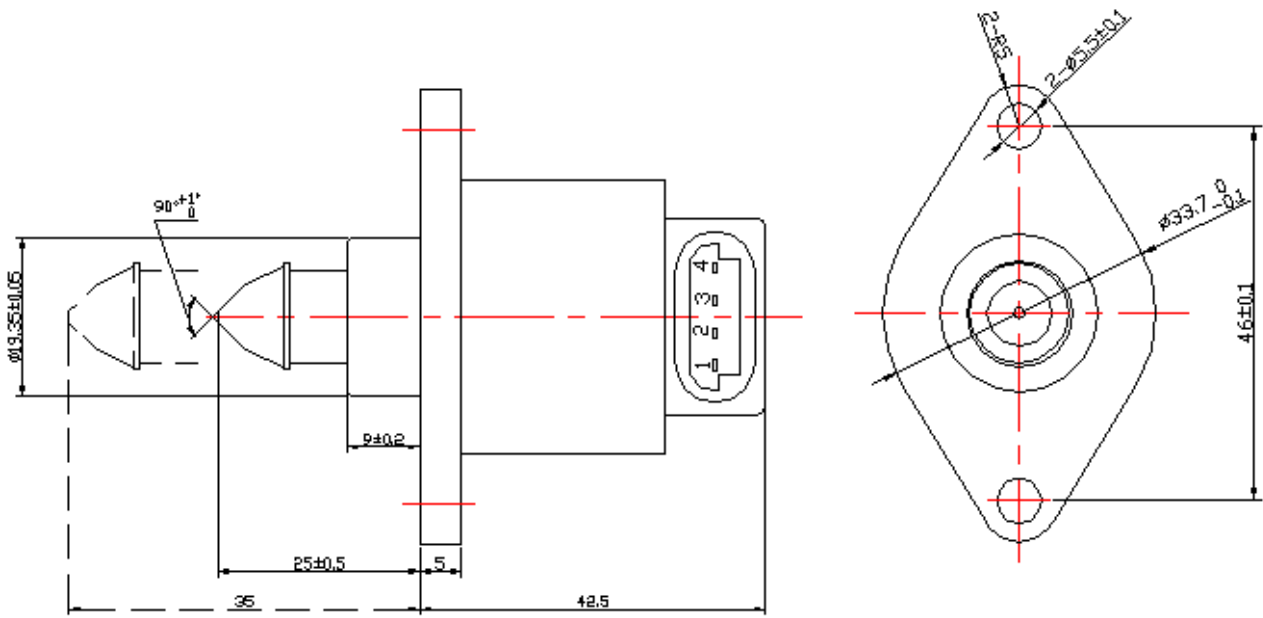


Main Technical Data: (other specifications can be met as OEM design)

Model	Step Angle	No.Of Phase	Voltage (V)	Current (A)	Resistance (Ω)	Holding Torque (G.Cm)	Deent Torque (G.Cm)	Rotor Inertia (G.Cm ²)	Leads	Wdg	Fig
	(°)										
57BY48L01	7.5	4	12	0.6	21	1500	425	12.5	UL1007 AWG26	b	1

Pictures:	Connecting Diagram
	

Outline Drawing:



Main Technical Data: (other specifications can be met as OEM design)

Model	35BY42Z01	Pull Force	25 N
Voltage	12 V	Total Length of Travel	12
Number of Poles	2	Ambient Temperature	-40°C~-125°C
Resistance	53 Ω	Lifetime	>1.5 million cycles
Step Length	0.0417	Insulation	IP34
Push Force	25 N	-	-