

SHIMPO

SERVO PLANETARY GEAR REDUCERS

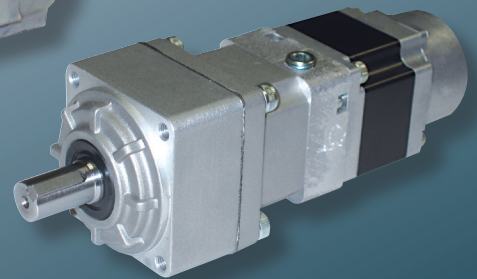
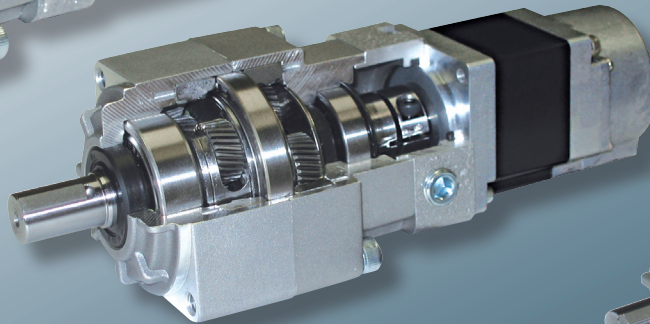
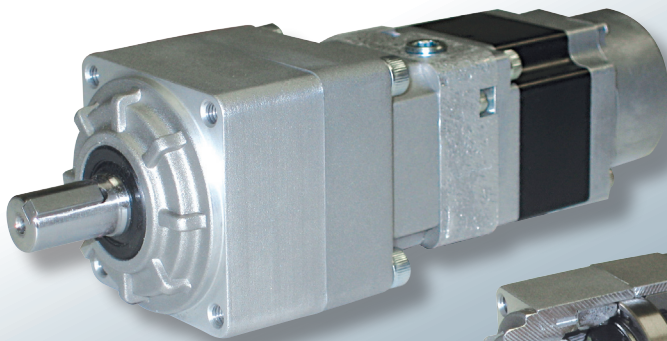
**THE PRECISION GEARBOX USED WORLDWIDE
WITH ROCKWELL AUTOMATION SERVO MOTORS**

Quiet,
Compact,
Light-weight,
Economical...

ABLE

24

hour shipping on
all stock items!



**Nidec
SHIMPO**



Shimpo's North
American
headquarters in
suburban Chicago
where we inventory,
provide sales,
engineering, and
product support.

...

SHIMPO Servo Planetary Gear Reducer Selection Chart

for Allen-Bradley® Servo Motors

Servo Motor Model	Rated Output (W)	3:1 (Single Reduction)		5:1 (Single Reduction)		9:1 (Single Reduction)		15:1 (Double Reduction)	
		Model Number	Frame Size	Model Number	Frame Size	Model Number	Frame Size	Model Number	Frame Size
TL-A110P	41	VRAFB03 0046140200R	B	VRAFB05 0046140200R	B	VRAFB09 0046140200R	B	VRAFB15 0046000000R	B
TL-A120P	86	VRAFB03 0046140200R	B	VRAFB05 0046140200R	B	VRAFB09 0046140200R	B	VRAFB15 0046000000R	B
TL-A120P (NEMA)	86	VRAFB03 00441404L00	B	VRAFB05 00441404L00	B	VRAFB09 00441404L00	B	VRAFB15 00440802L00	B
TL-A130P	140	VRAFB03 0046140200R	B	VRAFB05 0046140200R	B	VRAFB09 0046140200R	B	VRAFB15 0046000000R	B
TL-A130P (NEMA)	140	VRAFB03 00441404L00	B	VRAFB05 00441404L00	B	VRAFB09 00441404L00	B	VRAFB15 00440802L00	B
TL-A220P	350	VRAFB03 0070140700R	B	VRAFB05 0070140700R	B	VRAFC09 0070190700R	C	VRAFC15 0070140700R	C
TL-A220P (NEMA)	350	VRAFB03 00671406T0R	B	VRAFB05 00671406T0R	B	VRAFC09 00671905T00	C	VRAFC15 00671406T0R	C
TL-A230P	440	VRAFB03 0070140700R	B	VRAFC05 0070190700R	C	VRAFC09 0070190700R	C	VRAFC15 0070140700R	C
TL-A230P (NEMA)	440	VRAFB03 00671406T0R	B	VRAFC05 00671905T00	C	VRAFC09 00671905T00	C	VRAFC15 00671406T0R	C
TL-A2530P	690	VRAFC03 0090190300R	C	VRAFC05 0090190300R	C	VRAFD09 0090240200R	D	VRAFD15 0090190300R	D
TL-A2530P (NEMA)	690	VRAFC03 0098190600R	C	VRAFC05 0098190600R	C	VRAFD09 00982405000	D	VRAFD15 0098190600R	D
TL-A2540P	860	VRAFC03 0090190300R	C	VRAFC05 0090190300R	C	VRAFD09 0090240200R	D	VRAFD15 0090190300R	D
TL-A2540P (NEMA)	860	VRAFC03 0098190600R	C	VRAFC05 0098190600R	C	VRAFD09 00982405000	D	VRAFD15 0098190600R	D
TL-A410M	2000	VRAFD03 01152406000	D	VRAFD05 01152406000	D	VRAFE09 01152406000	E	VRAFE15 01152406000	E
MPL-A1510	160	VRAFB03 00631409T00	B	VRAFB05 00631409T00	B	VRAFB09 00631409T00	B	VRAFC15 00631409T00	C
MPL-A1520	270	VRAFB03 00631409T00	B	VRAFB05 00631409T00	B	VRAFC09 00631909T00	C	VRAFC15 00631409T00	C
MPL-A1530	390	VRAFB03 00631409T00	B	VRAFB05 00631409T00	B	VRAFC09 00631909T00	C	VRAFC15 00631409T00	C
MPL-A210	370	VRAFC03 00751901000	C	VRAFC05 00751901000	C	VRAFC09 00751901000	C	VRAFC15 00751403000	C
MPL-A220	620	VRAFC03 00751901000	C	VRAFC05 00751901000	C	VRAFC09 00751901000	C	VRAFD15 00751901000	D
MPL-A230	860	VRAFC03 00751901000	C	VRAFC05 00751901000	C	VRAFC09 00751901000	C	VRAFD15 00751901000	D
MPL-A310	730	VRAFC03 01001903000	C	VRAFC05 01001903000	C	VRAFC09 01001903000	C	VRAFD15 01001903000	D
MPL-A320	1300	VRAFC03 01001903000	C	VRAFC05 01001903000	C	VRAFD09 01002402000	D	VRAFD15 01001903000	D
MPL-A330	1800	VRAFC03 01001903000	C	VRAFC05 01001903000	C	VRAFD09 01002402000	D	VRAFE15 01002402000	E
MPL-A420	2000	VRAFD03 01152403T00	D	VRAFD05 01152403T00	D	VRAFE09 01152403T00	E	VRAFE15 01152403T00	E
MPL-A430	2000	VRAFD03 01152403T00	D	VRAFD05 01152403T00	D	VRAFE09 01152403T00	E	VRAFE15 01152403T00	E
MPL-A4520	2000	VRAFD03 01300000000	D	VRAFD05 01300000000	D	VRAFE09 01300000000	E	VRAFE15 01300000000	E
MPL-A4530	2000	VRAFD03 01300000000	D	VRAFE05 01300000000	E	VRAFE09 01300000000	E	VRAFE15 01300000000	E
MPL-A4540	2000	VRAFD03 01300000000	D	VRAFE05 01300000000	E	VRAFE09 01300000000	E	VRAFE15 01300000000	E
MPL-B1510	160	VRAFB03 00631409T00	B	VRAFB05 00631409T00	B	VRAFB09 00631409T00	B	VRAFC09 00631409T00	C
MPL-B1520	270	VRAFB03 00631409T00	B	VRAFB05 00631409T00	B	VRAFC09 00631909T00	C	VRAFC15 00631409T00	C
MPL-B1530	390	VRAFB03 00631409T00	B	VRAFB05 00631409T00	B	VRAFC09 00631909T00	C	VRAFC15 00631409T00	C
MPL-B210	370	VRAFC03 00751901000	C	VRAFC05 00751901000	C	VRAFC09 00751901000	C	VRAFC15 00751403T00	C
MPL-B220	620	VRAFC03 00751901000	C	VRAFC05 00751901000	C	VRAFC09 00751901000	C	VRAFD15 00751901000	D
MPL-B230	860	VRAFC03 00751901000	C	VRAFC05 00751901000	C	VRAFC09 00751901000	C	VRAFD15 00751901000	D
MPL-B310	770	VRAFC03 01001903000	C	VRAFC05 01001903000	C	VRAFC09 01001903000	C	VRAFD15 01001903000	D
MPL-B320	1500	VRAFC03 01001903000	C	VRAFC05 01001903000	C	VRAFD09 01002402000	D	VRAFD15 01001903000	D
MPL-B330	1800	VRAFC03 01001903000	C	VRAFC05 01001903000	C	VRAFD09 01002402000	D	VRAFE15 01002402000	E
MPL-B420	2000	VRAFD03 01152403T00	D	VRAFD05 01152403T00	D	VRAFE09 01152403T00	E	VRAFE15 01152403T00	E
MPL-B430	2000	VRAFD03 01152403T00	D	VRAFD05 01152403T00	D	VRAFE09 01152403T00	E	VRAFE15 01152403T00	E
MPL-B4520	2000	VRAFD03 01300000000	D	VRAFD05 01300000000	D	VRAFE09 01300000000	E	VRAFE15 01300000000	E
MPL-B4530	2000	VRAFD03 01300000000	D	VRAFE05 01300000000	E	VRAFE09 01300000000	E	VRAFE15 01300000000	E
MPL-B4540	2000	VRAFD03 01300000000	D	VRAFE05 01300000000	E	VRAFE09 01300000000	E	VRAFE15 01300000000	E
N-2302	100	VRAFB03 00671404000	B	VRAFB05 00671404000	B	VRAFB09 00671404000	B	VRAFB15 00670802000	B
N-2304	270	VRAFB03 00671404000	B	VRAFB05 00671404000	B	VRAFB09 00671404000	B	VRAFC15 00671404000	C
N-3406	310	VRAFC03 00981905000	C	VRAFC05 00981905000	C	VRAFC09 00981905000	C	VRAFC15 00981406000	C
N-3412	800	VRAFC03 00981905000	C	VRAFC05 00981905000	C	VRAFC09 00981905000	C	VRAFD15 00981905000	D
N-4214	940	VRAFD03 01262405000	D	VRAFD05 01262405000	D	VRAFD09 01262405000	D	VRAFD15 01261906000	D
N-4220	880	VRAFD03 01262405000	D	VRAFD05 01262405000	D	VRAFD09 01262405000	D	VRAFD15 01261906000	D
F-4030	1400	VRAFD03 01452403000	D	VRAFD05 01452403000	D	VRAFD09 01452403000	D	VRAFE15 01452403000	E
F-4030 (NEMA)	1400	VRAFD03 01492405H00	D	VRAFD05 01492405H00	D	VRAFD09 01492405H00	D	VRAFD15 01491906H00	D
F-4050	2500	VRAFD03 01452403000	D	VRAFD05 01452403000	D	VRAFE09 01452403000	E	VRAFE15 01452403000	E
F-4050 (NEMA)	2500	VRAFD03 01492405H00	D	VRAFD05 01492405H00	D	VRAFD09 01492405H00	D	VRAFD15 01491906H00	D
F-4075	2200	VRAFD03 01452403000	D	VRAFE05 01452403000	E	VRAFE09 01452403000	E	VRAFE15 01452403000	E
F-4075 (NEMA)	2200	VRAFD03 01492405H00	D	VRAFD05 01492405H00	D	VRAFD09 01492405H00	D	VRAFD15 01491906H00	D
H-2005	300	VRAFC03 00751901000	C	VRAFC05 00751901000	C	VRAFC09 00751901000	C	VRAFC15 00751403000	C
H-3007	350	VRAFC03 01001902000	C	VRAFC05 01001902000	C	VRAFC09 01001902000	C	VRAFC15 01000000000	C
H-3016	740	VRAFC03 01001902000	C	VRAFC05 01001902000	C	VRAFC09 01001902000	C	VRAFD15 01001902000	D
H-4030	1100	VRAFD03 01452403000	D	VRAFD05 01452403000	D	VRAFD09 01452403000	D	VRAFE15 01452403000	E
H-4050	1800	VRAFD03 01452403000	D	VRAFD05 01452403000	D	VRAFD09 01452403000	D	VRAFE15 01452403000	E
Y-1002	69	VRAFB03 00461402000	B	VRAFB05 00461402000	B	VRAFB09 00461402000	B	VRAFB15 00460000000	B
Y-1003	120	VRAFB03 00461402000	B	VRAFB05 00461402000	B	VRAFB09 00461402000	B	VRAFB15 00460000000	B
Y-2006	230	VRAFB03 00700000000	B	VRAFB05 00700000000	B	VRAFC09 00701902000	C	VRAFC15 00700000000	C
Y-2012	510	VRAFC03 00701902000	C	VRAFC05 00701902000	C	VRAFC09 00701902000	C	VRAFC15 00700000000	C
Y-3023	910	VRAFC03 00901903T00	C	VRAFC05 00901903T00	C	VRAFC09 00901903T00	C	VRAFD15 00901903T00	D
1326AB-B410	1000	VRAFC03 01150000T00	C	VRAFC05 01150000T00	C	VRAFD09 01152403T00	D	VRAFD15 01150000T00	D
1326AB-B420	1100	VRAFC03 01150000T00	C	VRAFD05 01152403T00	D	VRAFE09 01152403T00	E	VRAFE15 01152403T00	E
1326AB-B430	1400	VRAFC03 01150000T00	C	VRAFD05 01152403T00	D	VRAFE09 01152403T00	E	VRAFE15 01152403T00	E
1326AB-B515	2300	VRAFE03 01650000000	E	VRAFE05 01650000000	E	VRAFE09 01650000000	E	----	---
1326AB-B520	2900	VRAFE03 01650000000	E	VRAFE05 01650000000	E	VRAFE09 01650000000	E	----	---
1326AB-B530	4200	VRAFE03 01650000000	E	VRAFE05 01650000000	E	-----	----	-----	---

Note: T, H, or L denotes a different motor attachment bolt hole size. The CAD drawing may show a bolt hole size not consistent with the motor.

For specification purposes, red "0" denotes standard backlash. Change to "L" for low backlash, or "P" for precision backlash.

For MPF motors, specify IP65 protection. Contact Shimpo Drives Customer Service for additional information.

Right angle units are also available. Contact Shimpo Drives Customer Service for additional information.

Allen-Bradley is a registered trademark of Rockwell Automation.

The selection with shadow means the output torque exceeds rating torque with motor full power.

Circulute 3000 is available for no selection area with Able Planetary Gear Reducer.

SHIMPO Servo Planetary Gear Reducer Selection Chart

for Allen-Bradley® Servo Motors

Servo Motor Model	Rated Output (W)	20:1 (Double Reduction)		25:1 (Double Reduction)		35:1 (Double Reduction)		45:1 (Double Reduction)		81:1 (Double Reduction)	
		Model Number	Frame Size	Model Number	Frame Size	Model Number	Frame Size	Model Number	Frame Size	Model Number	Frame Size
TL-A110P	41	VRAFB20 0046000000R	B	VRAFB25 0046000000R	B	VRAFB35 0046000000R	B	VRAFC45 0046000000R	C	VRAFC81 0046000000R	C
TL-A120P	86	VRAFB20 0046000000R	B	VRAFB25 0046000000R	B	VRAFC35 00461402000	C	VRAFC45 00461402000	C	VRAFC81 00461402000	C
TL-A120P (NEMA)	86	VRAFB20 00440802L00	B	VRAFB25 00440802L00	B	VRAFB35 00440802L00	B	VRAFB45 00440802L00	B	VRAFB81 00440802L00	B
TL-A130P	140	VRAFB20 0046000000R	B	VRAFB25 0046000000R	B	VRAFC35 00461402000	C	VRAFC45 00461402000	C	VRAFC81 00461402000	C
TL-A130P (NEMA)	140	VRAFB20 00440802L00	B	VRAFB25 00440802L00	B	VRAFB35 00440802L00	B	VRAFB45 00440802L00	B	VRAFB81 00440802L00	B
TL-A220P	350	VRAFC20 0070140700R	C	VRAFC25 0070140700R	C	VRAFD35 0070190700R	D	VRAFD45 0070190700R	D	VRAFD81 0070190700R	D
TL-A220P (NEMA)	350	VRAFC20 00671406T0R	C	VRAFC25 00671406T0R	C	VRAFD35 00671905T0R	D	VRAFD45 00671905T0R	D	VRAFD81 00671905T0R	D
TL-A230P	440	VRAFC20 0070140700R	C	VRAFC25 0070140700R	C	VRAFD35 0070190700R	D	VRAFD45 0070190700R	D	VRAFD81 0070190700R	D
TL-A230P (NEMA)	440	VRAFC20 00671406T0R	C	VRAFC25 00671406T0R	C	VRAFD35 00671905T0R	D	VRAFD45 00671905T0R	D	VRAFD81 00671905T0R	D
TL-A2530P	690	VRAFD20 0090190300R	D	VRAFD25 0090190300R	D	VRAFD35 0090190300R	D	VRAFD45 0090190300R	D	VRAFD81 0090190300R	D
TL-A2530P (NEMA)	690	VRAFD20 0098190600R	D	VRAFD25 0098190600R	D	VRAFD35 0098190600R	D	VRAFD45 0098190600R	D	VRAFD81 0098190600R	D
TL-A2540P	860	VRAFD20 0090190300R	D	VRAFD25 0090190300R	D	VRAFD35 0090190300R	D	VRAFD45 0090190300R	D	VRAFD81 0090190300R	D
TL-A2540P (NEMA)	860	VRAFD20 0098190600R	D	VRAFD25 0098190600R	D	VRAFD35 0098190600R	D	VRAFD45 0098190600R	D	VRAFD81 0098190600R	D
TL-A410M	2000	-----	---	VRAFE25 01152406000	E	-----	---	-----	---	-----	---
MPL-A1510	160	VRAFC20 00631409T00	C	VRAFC25 00631409T00	C	VRAFC35 00631409T00	C	VRAFC45 00631409T00	C	VRAFC81 00631409T00	C
MPL-A1520	270	VRAFC20 00631409T00	C	VRAFC25 00631409T00	C	VRAFC35 00631409T00	C	VRAFC45 00631409T00	C	VRAFC81 00631409T00	C
MPL-A1530	390	VRAFC20 00631409T00	C	VRAFC25 00631409T00	C	VRAFC35 00631409T00	C	VRAFC45 00631409T00	C	VRAFC81 00631409T00	C
MPL-A210	370	VRAFC20 00751403000	C	VRAFD25 00751901000	D	VRAFD35 00751901000	D	VRAFD45 00751901000	D	VRAFD81 00751901000	D
MPL-A220	620	VRAFC20 00751901000	D	VRAFD25 00751901000	D	VRAFD35 00751901000	D	VRAFD45 00751901000	D	VRAFD81 00751901000	D
MPL-A230	860	VRAFD20 00751901000	D	VRAFD25 00751901000	D	VRAFD35 00751901000	D	VRAFD45 00751901000	D	VRAFD81 00751901000	D
MPL-A310	730	VRAFD20 01001903000	D	VRAFD25 01001903000	D	VRAFD35 01001903000	D	VRAFD45 01001903000	D	VRAFD81 01001903000	D
MPL-A320	1300	VRAFD20 01001903000	D	VRAFE25 01002402000	E	-----	---	-----	---	-----	---
MPL-A330	1800	-----	---	VRAFE25 01002402000	E	-----	---	-----	---	-----	---
MPL-A420	2000	-----	---	-----	---	-----	---	-----	---	-----	---
MPL-A430	2000	-----	---	-----	---	-----	---	-----	---	-----	---
MPL-A4520	2000	-----	---	-----	---	-----	---	-----	---	-----	---
MPL-A4530	2000	-----	---	-----	---	-----	---	-----	---	-----	---
MPL-A4540	2000	-----	---	-----	---	-----	---	-----	---	-----	---
MPL-B1510	160	VRAFC20 00631409T00	C	VRAFC25 00631409T00	C	VRAFC35 00631409T00	C	VRAFC45 00631409T00	C	VRAFC81 00631409T00	C
MPL-B1520	270	VRAFC20 00631409T00	C	VRAFC25 00631409T00	C	VRAFC35 00631409T00	C	VRAFC45 00631409T00	C	VRAFC81 00631409T00	C
MPL-B1530	390	VRAFC20 00631409T00	C	VRAFC25 00631409T00	C	VRAFC35 00631409T00	C	VRAFC45 00631409T00	C	VRAFC81 00631409T00	C
MPL-B210	370	VRAFC20 00751403000	C	VRAFD25 00751901000	D	VRAFD35 00751901000	D	VRAFD45 00751901000	D	VRAFD81 00751901000	D
MPL-B220	620	VRAFD20 00751901000	D	VRAFD25 00751901000	D	VRAFD35 00751901000	D	VRAFD45 00751901000	D	VRAFD81 00751901000	D
MPL-B230	860	VRAFD20 00751901000	D	VRAFD25 00751901000	D	VRAFD35 00751901000	D	VRAFD45 00751901000	D	VRAFD81 00751901000	D
MPL-B310	770	VRAFD20 01001903000	D	VRAFD25 01001903000	D	VRAFD35 01001903000	D	VRAFD45 01001903000	D	VRAFD81 01001903000	D
MPL-B320	1500	-----	---	VRAFE25 01002402000	E	-----	---	-----	---	-----	---
MPL-B330	1800	-----	---	VRAFE25 01002402000	E	-----	---	-----	---	-----	---
MPL-B420	2000	-----	---	-----	---	-----	---	-----	---	-----	---
MPL-B430	2000	-----	---	-----	---	-----	---	-----	---	-----	---
MPL-B4520	2000	-----	---	-----	---	-----	---	-----	---	-----	---
MPL-B4530	2000	-----	---	-----	---	-----	---	-----	---	-----	---
MPL-B4540	2000	-----	---	-----	---	-----	---	-----	---	-----	---
N-2302	100	VRAFB20 00670802000	B	VRAFC25 00671404000	C	VRAFC35 00671404000	C	VRAFC45 00671404000	C	VRAFC81 00671404000	C
N-2304	270	VRAFC20 00671404000	C	VRAFC25 00671404000	C	VRAFC35 00671404000	C	VRAFC45 00671404000	C	VRAFC81 00671404000	C
N-3406	310	VRAFC20 00981406000	C	VRAFC25 00981406000	C	VRAFD35 00981905000	D	VRAFD45 00981905000	D	VRAFD81 00981905000	D
N-3412	800	VRAFD20 00981905000	D	VRAFD25 00981905000	D	VRAFD35 00981905000	D	VRAFD45 00981905000	D	VRAFD81 00981905000	D
N-4214	940	VRAFD20 01261906000	D	VRAFD25 01261906000	D	VRAFD35 01261906000	D	VRAFD45 01261906000	D	VRAFD81 01261906000	D
N-4220	880	VRAFD20 01261906000	D	VRAFD25 01261906000	D	VRAFD35 01261906000	D	VRAFD45 01261906000	D	VRAFD81 01261906000	D
F-4030	1400	-----	---	VRAFE25 01452403000	E	-----	---	-----	---	-----	---
F-4030 (NEMA)	1400	-----	---	-----	---	-----	---	-----	---	-----	---
F-4050	2500	-----	---	-----	---	-----	---	-----	---	-----	---
F-4050 (NEMA)	2500	-----	---	-----	---	-----	---	-----	---	-----	---
F-4075	2200	-----	---	-----	---	-----	---	-----	---	-----	---
F-4075 (NEMA)	2200	-----	---	-----	---	-----	---	-----	---	-----	---
H-2005	300	VRAFC20 00751403000	C	VRAFC25 00751403000	C	VRAFD35 00751403000	D	VRAFD45 00751403000	D	VRAFD81 00751403000	D
H-3007	350	VRAFC20 01000000000	C	VRAFC25 01000000000	C	VRAFD35 01001902000	D	VRAFD45 01001902000	D	VRAFD81 01001902000	D
H-3016	740	VRAFD20 01001902000	D	VRAFD25 01001902000	D	VRAFD35 01001902000	D	VRAFD45 01001902000	D	VRAFD81 01001902000	D
H-4030	1100	-----	---	VRAFE20 01452403000	E	-----	---	-----	---	-----	---
H-4050	1800	-----	---	VRAFE20 01452403000	E	-----	---	-----	---	-----	---
Y-1002	69	VRAFB20 00460000000	B	VRAFB25 00460000000	B	VRAFC35 00460000000	C	VRAFC45 00460000000	C	VRAFC81 00460000000	C
Y-1003	120	VRAFB20 00460000000	B	VRAFB25 00460000000	B	VRAFC35 00460000000	C	VRAFC45 00460000000	C	VRAFC81 00460000000	C
Y-2006	230	VRAFC20 00700000000	C	VRAFC25 00700000000	C	VRAFC35 00700000000	C	VRAFD45 00700000000	D	VRAFD81 00700000000	D
Y-2012	510	VRSFD20 00700000000	D	VRAFD25 00700000000	D	VRAFD35 00700000000	D	VRAFD45 00700000000	D	VRSFE81 00700000000	E
Y-3023	910	VRAFD20 00901903T00	D	VRAFD25 00901903T00	D	VRAFD35 00901903T00	D	-----	---	-----	---
1326AB-B410	1000	-----	---	VRAFE25 01152403T00	E	-----	---	-----	---	-----	---
1326AB-B420	1100	-----	---	VRAFE25 01152403T00	E	-----	---	-----	---	-----	---
1326AB-B430	1400	-----	---	VRAFE25 01152403T00	E	-----	---	-----	---	-----	---
1326AB-B515	2300	-----	---	-----	---	-----	---	-----	---	-----	---
1326AB-B520	2900	-----	---	-----	---	-----	---	-----	---	-----	---
1326AB-B530	4200	-----	---	-----	---	-----	---	-----	---	-----	---

Note: T, H, or L denotes a different motor attachment bolt hole size. The CAD drawing may show a bolt hole size not consistent with the motor.

For specification purposes, red "0" denotes standard backlash. Change to "L" for low backlash, or "P" for precision backlash.

For MPF motors, specify IP65 protection. Contact Shimpo Drives Customer Service for additional information.

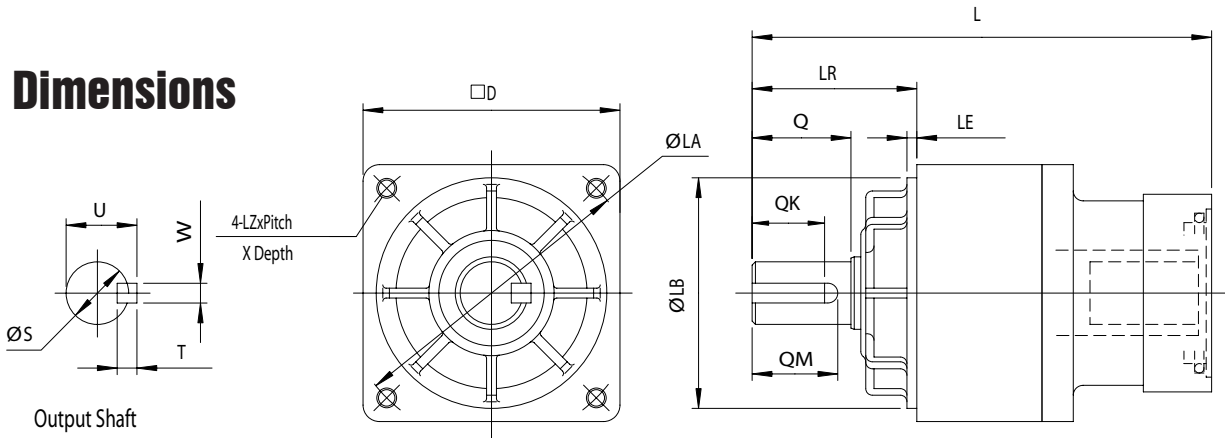
Right angle units are also available. Contact Shimpo Drives Customer Service for additional information.

Allen-Bradley is a registered trademark of Rockwell Automation.

The selection with shadow means the output torque exceeds rating torque with motor full power.

Circulate 3000 is available for no selection area with Able Planetary Gear Reducer.

Dimensions



Dimension	Symbols	Frame Size							
		B		C		D		E	
		mm	in	mm	in	mm	in	mm	in
Overall Length	L (single reduction)	112.5*	4.429*	156.5*	6.161*	180*	7.087*	225*	8.858*
	L (double reduction)	118*	4.645*	159*	6.259*	186*	7.322*	235*	9.252*
Output Shaft	LR	32	1.260	50	1.969	61	2.402	75	2.953
	Q	20	0.787	30	1.181	40	1.575	55	2.165
	QK	16	0.630	22	0.866	30	1.181	45	1.772
	QM	18	0.709	26	1.024	35	1.378	52	2.047
	S	12	0.472	19	0.748	24	0.945	32	1.260
	U	13.5	0.531	21.5	0.886	27.0	1.102	35.0	1.378
	WxT	4x4	---	6x6	---	8x7	---	10x8	---
Output Flange	D	52	2.047	78	3.071	98	3.858	125	4.921
	LA	60	2.362	90	3.543	115	4.528	135	5.315
	LB	50	1.969	70	2.756	90	3.543	110	4.331
	LE	3	0.118	3	0.118	5	0.197	5	0.197
	LZ	M5x0.8	---	M6x1.0	---	M8x1.25	---	M10x1.5	---
	X	12	0.472	20	0.787	20	0.787	20	0.787

Single reduction ratios are 3:1, 5:1, & 9:1, double reduction ratios are 15:1, 20:1, 25:1, 35:1, 45:1, & 81:1.

* Overall length shown is the maximum for that frame size. Please visit our website, www.shimpodrives.com, to view and download CAD drawings for the model that corresponds to the specific servo motor to be used.

Other dimensions are dependent on the specific servo motor used. Please visit our website, www.shimpodrives.com, to view and download CAD drawings for the model that corresponds to the specific servo motor to be used.

Dimensions are subject to change without notice.

Prices

Frame Size	Ratio	Backlash		
		Standard	Low	Precision
B (52mm)	3:1, 5:1, 9:1	\$350	\$420	\$504
	15:1, 20:1, 25:1, 35:1, 45:1, 81:1	\$476	\$571	\$685
C (78 mm)	3:1, 5:1, 9:1	\$446	\$535	\$642
	15:1, 20:1, 25:1, 35:1, 45:1, 81:1	\$672	\$806	\$967
D (98 mm)	3:1, 5:1, 9:1	\$557	\$668	\$802
	15:1, 20:1, 25:1, 35:1, 45:1, 81:1	\$836	\$1,003	\$1,204
E (125 mm)	3:1, 5:1, 9:1	\$745	\$894	\$1,073
	15:1, 25:1, 45:1, 81:1	\$1,025	\$1,230	\$1,476

Prices shown are list prices for units with standard motor attachments and bushings, if necessary. Contact Shimpo Drives Customer Service for non-standard motor attachments, and appropriate discount.



ABLE.005.0702