

80DWM+RV040/050 BLDC Worm Geared Motor



Motor Voltage: 24V

Motor Rated speed: 3000rpm

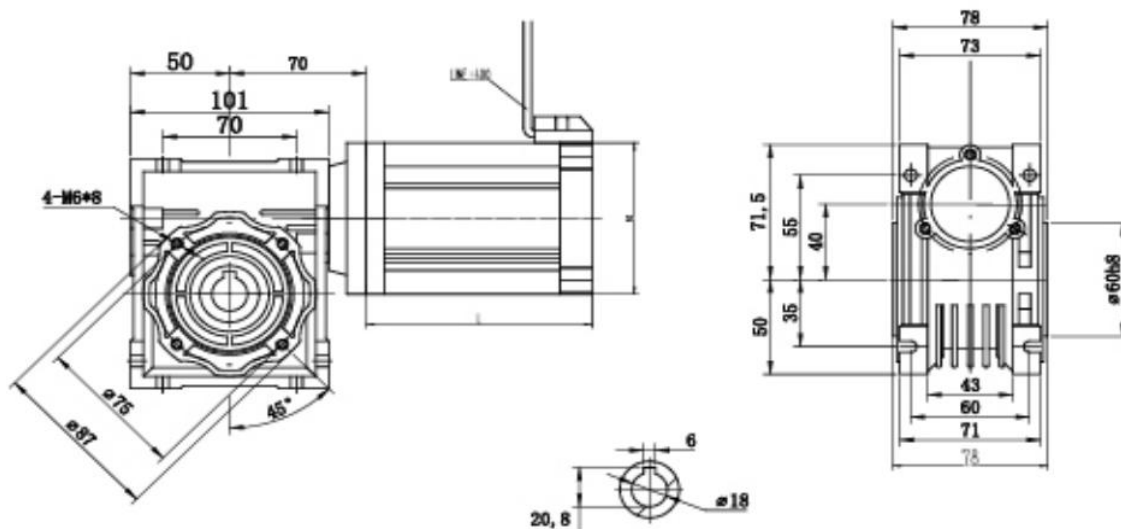
Motor Rated torque: 0.6-2.4Nm

Motor Rated current: 9.5A/18.8A/32A/39A

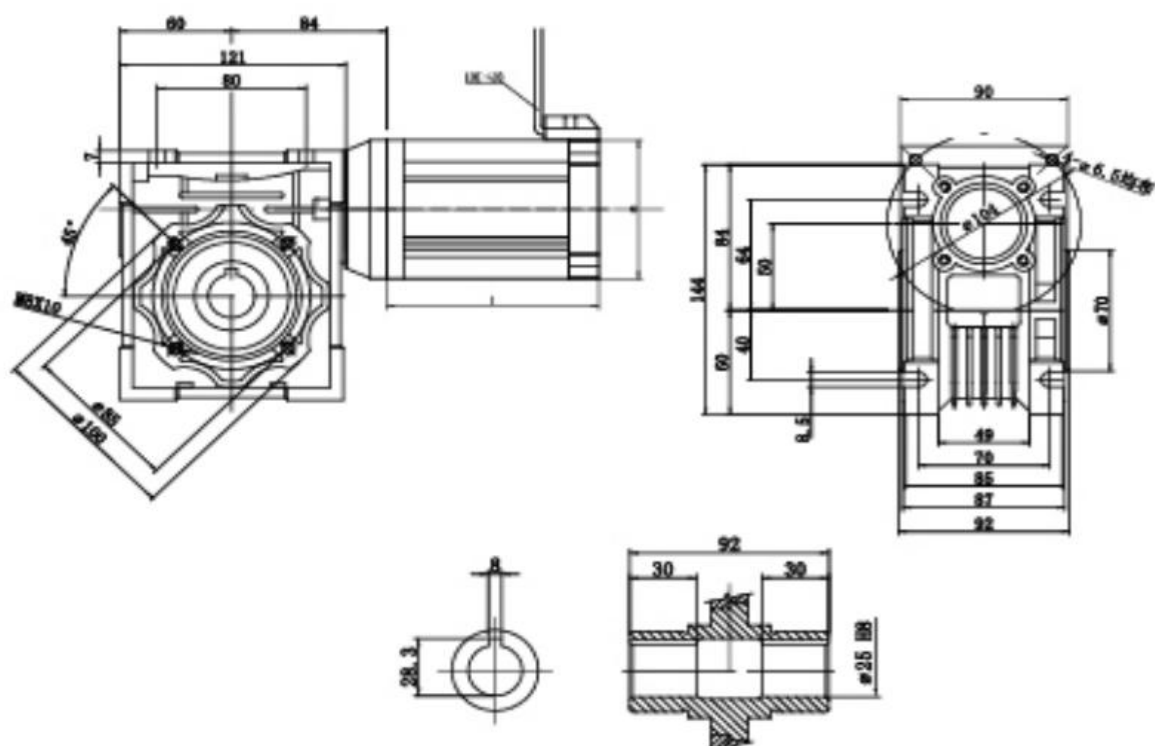
Rated power: 188W/376W/628W/750W

Dimensions (mm)

RV040



RV050



MOTOR PERFORMANCE PARAMETERS

Model	Voltage (Vdc)	Rated torque (Nm)	Rated speed (rpm)	Rated current (A)	Rated power (W)	Motor length L2 (mm)
80DMW20	24	0.6	3000	9.5	188	85
80DMW40	24	1.2	3000	18.8	376	105
80DMW60	24	2	3000	32	628	115
80DMW80	24	2.4	3000	39	750	140

RV040 Performance parameters of worm gear and worm gearbox

Model	Ratio	5	7.5	10	15	20	25	30	40	50	60	80	100
80DMW 20	Output speed	600	400	300	200	150	120	100	75	60	50	38	30
	Output torque	2.6 4	3.8 7	5.1 0	7.2 9	9.2 4	11. 10	12. 42	15. 36	18. 30	20. 52	24. 48	28. 20
80DMW 40	Output speed	600	400	300	200	150	120	100	75	60	50	38	30
	Output torque	5.2 8	7.7 4	10. 20	14. 58	18. 48	22. 20	24. 84	30. 72	36. 60	41. 04	45. 00	45. 00
80DMW 60	Output speed	600	400	300	200	150	120	100	75	60	50	38	30
	Output torque	8.8 0	12. 90	17. 00	24. 30	30. 80	37. 00	41. 40	45. 00	45. 00	45. 00	45. 00	45. 00
80DMW 80	Output speed	600	400	300	200	150	120	100	75	60	50	38	30
	Output torque	10. 56	15. 48	20. 40	29. 16	36. 96	44. 40	45. 00	45. 00	45. 00	45. 00	45. 00	45. 00

RV050 Performance parameters of worm gear and worm gearbox

Model	Ratio	5	7.5	10	15	20	25	30	40	50	60	80	100
80DMW 20	Output speed	600	400	300	200	150	120	100	75	60	50	38	30
	Output torque	2.6 1	3.8 7	5.0 4	7.20	9.2 4	11. 10	12. 60	15. 60	18. 30	20. 52	24. 48	29. 40
80DMW 40	Output speed	600	400	300	200	150	120	100	75	60	50	38	30
	Output torque	5.2 2	7.7 4	10. 08	14.4 0	18. 48	22. 20	25. 20	31. 20	36. 60	41. 04	48. 96	58. 80
80DMW 60	Output speed	600	400	300	200	150	120	100	75	60	50	38	30
	Output torque	8.7 0	12. 90	16. 80	24.0 0	30. 80	37. 00	42. 00	52. 00	61. 00	68. 40	81. 60	84. 00

80DMW 80	Output speed	600	400	300	200	150	120	100	75	60	50	38	30
	Output torque	10.44	15.48	20.16	28.80	36.96	44.40	50.40	62.40	73.20	82.08	84.00	84.00