Wiper Motor -WD1160/1160-B

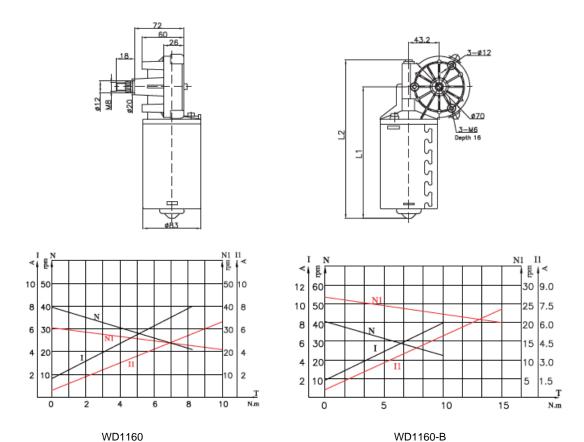


- 12VDC and 24VDC Available
- Aluminum Diecasting Gearbox
- Rolled Steel Housing Construction
- Dual Speed Design

---RED Low Speed

Dynamically Balanced Rotor

Mechanical



Performance Data at Rated 12V DC

---BLK High Speed,

No-Load			Rated	Peak Torque	L1	L2	
Туре	Speed	Speed	Current	Torque	N.m	mm	mm
	Speed	rpm	А	N.m	IN.III	111111	111111
WD4460	40	28	5.6	5.2	8.5	182	225
WD1160 31	31	24	4.8	7	10	102	225
WD1160-B	40.5	28	5.8	6.5	10	199	235
WU1100-B	27	21.5	6.3	13.2	15	199	235

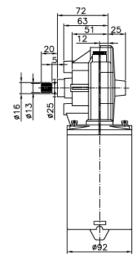


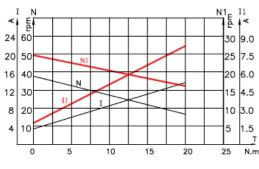
Wiper Motor -WD21100/21100-B



- 12VDC and 24VDC Available
- Aluminum Diecasting Gearbox
- Rolled Steel Housing Construction
- Dual Speed Design
- Dynamically Balanced Rotor

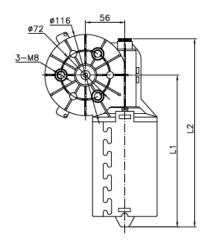
Mechanical

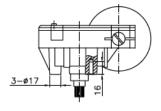




---BLK High Speed, ---RED Low Speed

WD11100





No-Load			Rated	Peak Torque	L1	L2	
Туре	Speed	Speed rpm	Current A	Torque N.m	N.m	mm	mm
WD04400	38	25	10	12.5	20	202.5	070.5
WD21100	25	19	5.7	13	20	223.5	276.5
WD24400 B	37	25	9.7	12	20	225	200
WD21100-B	23	15	7.8	16	20	235	288

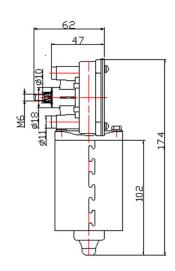


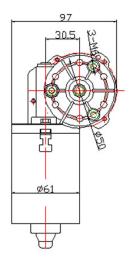
Wiper Motor -WD3150/3250

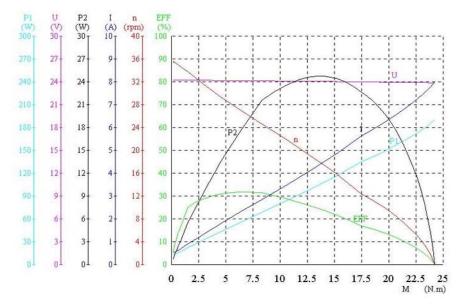


- 12VDC and 24VDC Available
- Aluminum Diecasting Gearbox
- Rolled Steel Housing Construction
- Dynamically Balanced Rotor

Mechanical







Descripton	U	I	P1	M	n	P2	Eff
	(V)	(A)	(W)	(N.m)	(rpm)	(W)	(%)
No_Load	24.20	0.390	9.45	0.23	35.64	0.85	9.0
Max_Eff	24.12	2.060	49.70	5.83	27.98	17.08	34.3
Max_Pout	24.00	4.432	106.4	14.58	16.89	25.79	24.2
Max_Torque	23.81	8.365	199.1	24.38	0.00	0.00	0.0
Locked_Rotor	23.81	8.365	199.1	24.38	0.00	0.00	0.0

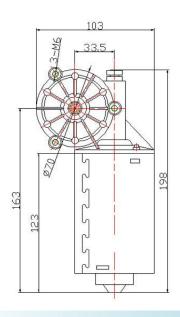


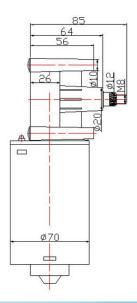
Wiper Motor -WD4170/4270

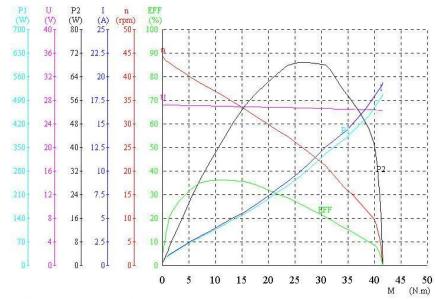


- 12VDC and 24VDC Available
- Aluminum Diecasting Gearbox
- Rolled Steel Housing Construction
- Dynamically Balanced Rotor

Mechanical







Kilonikaro	U	I	P1	M	n	P2	Eff
Descripton	(V)	(A)	(W)	(N.m)	(rpm)	(W)	(%)
No_Load	27.16	0.678	18.42	0.22	44.23	1.01	5.5
Max_Eff	27.00	3.799	102.6	9.78	37.11	38.00	37.0
Max_Pout	26.66	10.08	268.8	26.62	24.98	69.63	25.9
Max_Torque	26.18	19.41	508.4	41.61	0.00	0.00	0.0
Locked_Rotor	26.18	19.41	508.4	41.61	0.00	0.00	0.0

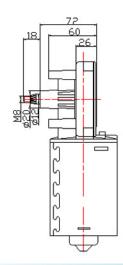


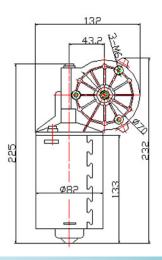
Wiper Motor -WD5180/5280

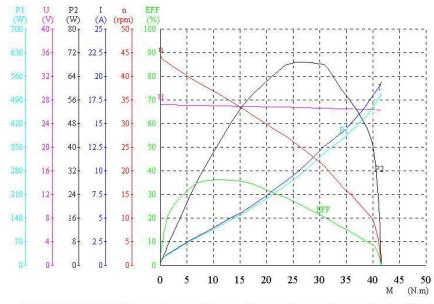


- 12VDC and 24VDC Available
- Aluminum Diecasting Gearbox
- Rolled Steel Housing Construction
- Dynamically Balanced Rotor

Mechanical







U	I	P1	M	n	P2	Eff
(V) (A)	(A)	(W)	(N.m)	(rpm)	(W)	(%)
27.16	0.678	18.42	0.22	44.23	1.01	5.5
27.00	3.799	102.6	9.78	37.11	38.00	37.0
26.66	10.08	268.8	26.62	24.98	69.63	25.9
26.18	19.41	508.4	41.61	0.00	0.00	0.0
26.18	19.41	508.4	41.61	0.00	0.00	0.0
	(V) 27.16 27.00 26.66 26.18	(V) (A) 27.16 0.678 27.00 3.799 26.66 10.08 26.18 19.41	(V) (A) (W) 27.16 0.678 18.42 27.00 3.799 102.6 26.66 10.08 268.8 26.18 19.41 508.4	(V) (A) (W) (N.m) 27.16 0.678 18.42 0.22 27.00 3.799 102.6 9.78 26.66 10.08 268.8 26.62 26.18 19.41 508.4 41.61	(V) (A) (W) (N.m) (rpm) 27.16 0.678 18.42 0.22 44.23 27.00 3.799 102.6 9.78 37.11 26.66 10.08 268.8 26.62 24.98 26.18 19.41 508.4 41.61 0.00	(V) (A) (W) (N.m) (rpm) (W) 27.16 0.678 18.42 0.22 44.23 1.01 27.00 3.799 102.6 9.78 37.11 38.00 26.66 10.08 268.8 26.62 24.98 69.63 26.18 19.41 508.4 41.61 0.00 0.00

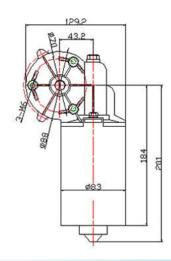


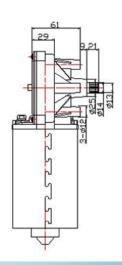
Wiper Motor -WD61120/62120

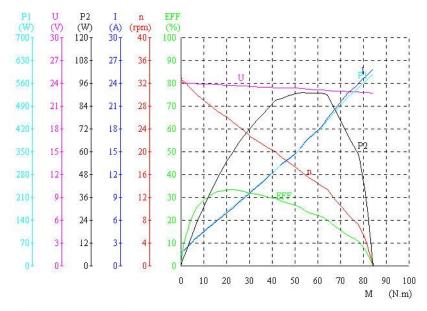


- 12VDC and 24VDC Available
- Aluminum Diecasting Gearbox
- Rolled Steel Housing Construction
- Dynamically Balanced Rotor

Mechanical







Descripton	U	I	P1	M	n	P2	Eff
	(V)	(A)	(W)	(N.m)	(rpm)	(W)	(%)
No_Load	24.04	1.464	35.20	0.3	32.76	1.22	3.4
Max_Eff	23.72	7.015	166.4	20.4	25.96	55.54	33.3
Max_Pout	23.14	17.39	402.6	61.1	14.32	91.72	22.7
Max_Torque	22.68	25.87	587.0	84.4	0.00	0.00	0.0
Locked Rotor	22.68	25.87	587.0	84.4	0.00	0.00	0.0

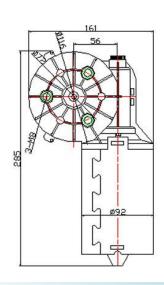


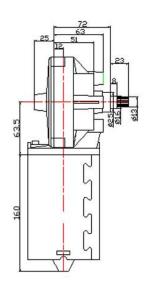
Wiper Motor –WD71150/82150



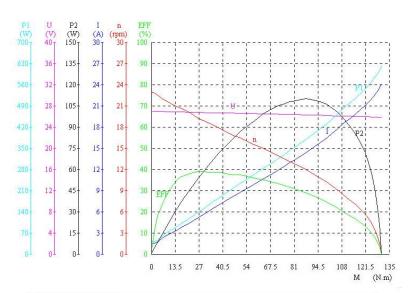
- 12VDC and 24VDC Available
- **Aluminum Diecasting Gearbox**
- Rolled Steel Housing Construction
- Dynamically Balanced Rotor

Mechanical





Data at



Descripton	U	I	P1	M	n	P2	Eff
	(V)	(A)	(W)	(N.m)	(rpm)	(W)	(%)
No_Load	26.98	1.508	40.71	0.7	22.90	1.71	4.2
Max_Eff	26.75	5.639	150.8	30.4	18.73	59.67	39.5
Max_Pout	26.29	14.40	378.7	87.6	12.00	110.1	29.0
Max_Torque	25.79	24.11	622.0	130.7	0.00	0.00	0.0
Locked_Rotor	25.79	24.11	622.0	130.7	0.00	0.00	0.0



Rated 24V DC

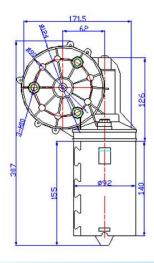


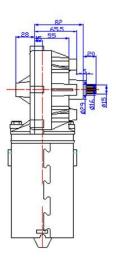
Wiper Motor –WD81180/82180

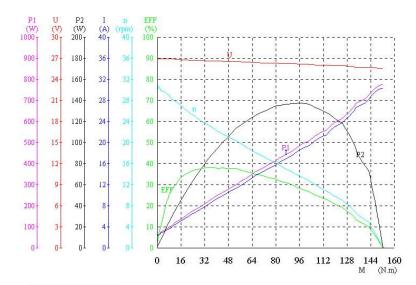


- 12VDC and 24VDC Available
- Aluminum Diecasting Gearbox
- Rolled Steel Housing Construction
- Dynamically Balanced Rotor

Mechanical







Descripton	U	I	P1	M	n	P2	Eff
Description	(V)	(A)	(W)	(N.m)	(rpm)	(W)	(%)
No_Load	26.91	2.411	64.90	0.7	30.14	2.25	3.4
Max_Eff	26.61	8.649	230.1	36.9	23.04	88.91	38.6
Max_Pout	26.10	19.03	496.9	99.6	13.21	137.7	27.7
Max_Torque	25.56	30.28	774.0	152.3	0.00	0.00	0.0
Locked_Rotor	25.56	30.28	774.0	152.3	0.00	0.00	0.0

