

Low Cost PMDC - Round Sided



35.8mm Series

Applications

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|---------------------|-----------------------|
| * Vacuum Cleaner | * Radio Control Car |
| * Fuel Pump | * Massager |
| * Grinding Machine | * Air Pump |
| * Hand Scrw Driver | * Vaccum Cleaner |
| * Paper Shredder | * Shoes Brush |
| * Portable Massager | * Game Steering Wheel |



Specification

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque gf.cm
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS3-3-203N	2.4~3.6	3.2	19200	3	15200	10.8	130.00	20.3	58.6	624
PL36RS3-4-200N	1.2~4.0	3.6	22800	3.4	19500	10.5	100.00	20	53.0	690
PL36RS3-5-266N	2.4~5.0	4.8	22100	2.3	17300	9.5	150.00	26.6	58.3	690
PL36RS3-6-187N	3.0~8.0	6.0	18000	1.4	15200	5	120.00	18.7	62.3	774
PL36RS3-7-250	3.0~9.0	7.2	21000	1.5	16350	6.6	150.00	25	52.6	677
PL36RS3-9-380N	6.0~9.0	9.0	23400	1.35	18500	6.5	200.00	38	64.9	955
PL36RS3-12-386N	6.0~12.0	12.0	23500	0.98	18800	5.1	200.00	38.6	63.0	1000
PL36RS3-24-246	12.0~24.0	24.0	33000	0.92	30000	3.2	80.00	24.6	32.0	888

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque gf.cm
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS3-6-267	3.0~9.0	6.0	15000	1.3	13000	6	200.00	26.7	74.0	1500
PL36RS3-6-153	4.8~12.0	6.0	8400	0.62	7450	3.3	200.00	15.3	77.3	1768
PL36RS3-12-254N	6.0~15.0	12.0	11000	0.57	9900	2.8	250.00	25.4	75.6	2500
PL36RS3-12-78	9.0~18.0	12.0	5250	0.17	4400	0.89	172.00	7.8	72.7	1062
PL36RS3-12-43	6.0~24.0	12.0	3000	0.1	2100	0.54	200.00	4.3	66.0	667
PL36RS3-12-39VC	12.0~24.0	12.0	2760	0.08	1930	0.47	200.00	3.9	70.2	665
PL36RS3-24-214VC	21.0~30.0	24.0	9800	0.16	8350	1.2	250.00	21.4	74.3	1690
PL36RS3-24-67	18.0~30.0	24.0	5200	0.08	4411	0.42	148.70	6.7	66.5	980

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque gf.cm
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS3-2-283N	1.8~3.6	2.4	19500	5	13800	21	200.00	28.3	56.1	689
PL36RS3-3-324N	1.8~3.6	2.8	19500	4.5	15800	17	200.00	32.4	68.0	1050
PL36RS3-3-320N	2.0~4.0	3.0	19000	3.8	15600	15	200.00	32	71.0	1120
PL36RS3-45-461N	3.4~5.2	4.5	21800	2.8	18000	14.5	250.00	46.1	70.0	1470
PL36RS3-6-643N	4.0~7.0	6.0	24000	2.6	20900	14	300.00	64.3	76.5	2320
PL36RS3-7-600N	4.8~7.2	7.2	22900	1.9	19500	12	300.00	60	69.4	2020
PL36RS3-7-560N	5.4~7.2	7.2	20800	1.6	18200	10.5	300.00	56	74.0	2400
PL36RS3-12-503N	6.0~12.0	12.0	17500	0.7	15100	5.2	325.00	50.3	80.0	2372

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS3-6-98C	4.5~12.0	6.0	5700	0.45	4800	2.5	200.00	9.8	65.5	1267
PL36RS3-6-153	4.5~12.0	6.0	8400	0.62	7500	3.38	200.00	15.3	75.0	1866
PL36RS3-6-369	4.0~8.0	6.0	16430	1.2	14400	7.8	250.00	36.9	78.8	2055
PL36RS3-24-221	12.0~28.0	24.0	8380	0.3	7200	1.3	300.00	22.1	70.8	2140

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS3-6-320FC	3.0~9.0	6.0	9660	0.85	7800	7.2	400.00	32	74.0	2077
PL36RS3-6-443F	6.0~12.0	6.0	10500	1	8640	9.7	500.00	44.3	76.2	2822
PL36RS3-7-463NF	6.0~9.0	7.2	17800	1.57	15100	8.8	300.00	46.3	73.4	1978
PL36RS3-10-669NF	6.0~12.0	9.6	19900	1.35	16300	10.7	400.00	66.9	65.0	2211
PL36RS3-12-520NF	6.0~15.0	12.0	18800	1.03	16900	5.9	300.00	52	73.4	2968
PL36RS3-12-20D	10.0~24.0	12.0	2210	0.08	1860	0.24	105.00	2	67.0	660
PL36RS3-14-820NF	6.0~15.0	14.4	22800	1.05	20000	7.9	400.00	82	72.1	3257

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS3-6-64	9.0~18.0	6.0	5000	0.4	4190	1.7	150.00	6.4	63.0	926
PL36RS3-8-16	9.0~18.0	8.0	2400	0.1	2000	0.34	80.00	1.64	60.0	470
PL36RS3-12-54	9.0~18.0	12.0	4300	0.13	3500	0.72	150.00	5.4	62.3	806
PL36RS3-12-103	9.0~18.0	12.0	6000	0.2	5000	1.3	200.00	10.3	66.0	1148

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS5-12-41	3.0~24.0	12.0	4850	0.17	4000	0.55	100.00	4.1	62.2	570
PL36RS5-12-208N	6.0~12.0	12.0	21500	0.8	18400	2.8	110.00	20.8	62.9	760
PL36RS5-12-214N	6.0~12.0	12.0	21600	1	19000	3	110.00	21.4	59.5	913
PL36RS5-12-97	6.0~18.0	12.0	8000	0.32	6300	1.3	150.00	9.7	62.1	706
PL36RS5-12-68	12.0~24.0	12.0	7400	0.3	5820	1	115.00	6.8	57.2	539
PL36RS5-18-91N	6.0~18.0	18.0	8400	0.25	7000	0.8	128.00	9.1	63.1	768
PL36RS5-24-197	12.0~24.0	24.0	15200	0.35	12800	1.3	150.00	19.7	63.1	950
PL36RS5-24-137	12.0~30.0	24.0	11600	0.25	9900	0.85	135.00	13.7	67.2	900

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS5-12-795N	5.0~12.0	12.0	24500	1.6	20400	9.6	380.00	79.5	69.0	2270
PL36RS5-12-238	6.0~18.0	12.0	10000	0.43	8000	2.6	290.00	23.8	76.2	1450
PL36RS5-12-52	6.0~18.0	12.0	5150	0.17	3900	0.75	130.00	5.2	57.7	540
PL36RS5-12-95N	9.0~24.0	12.0	7200	0.33	6150	1.3	150.00	9.5	60.7	1028
PL36RS5-24-96	12.0~18.0	24.0	5700	0.12	4700	0.54	200.00	9.6	74.0	1140
PL36RS5-24-333NC	12.0~24.0	24.0	15000	0.34	13000	1.78	250.00	33.3	78.0	1923
PL36RS5-24-220NC	12.0~30.0	24.0	10300	0.21	8600	1.2	250.00	22	76.4	1515
PL36RS5-24-452NC	12.0~30.0	24.0	20000	0.43	17620	2.77	250.00	45.2	68.0	2100

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS5-12-31	6.0~18.0	12.0	3600	0.15	3000	0.4	100.00	3.07	64.0	588
PL36RS5-12-45DC	6.0~18.0	12.0	4800	0.18	4350	0.55	100.00	4.46	67.6	1067
PL36RS5-12-110D	9.0~24.0	12.0	5400	0.2	4300	1.2	250.00	11	76.4	1227
PL36RS5-17-43N	9.0~30.0	17.0	3400	0.08	2800	0.36	150.00	4.3	70.3	850
PL36RS5-24-42VD	6.0~24.0	24.0	3500	0.07	2750	0.3	150.00	4.23	58.7	700
PL36RS5-24-178	12.0~24.0	24.0	10000	0.2	8700	1	200.00	17.8	74.1	1538
PL36RS5-24-172V	12.0~24.0	24.0	9500	0.2	8400	0.9	200.00	17.2	79.6	1793
PL36RS5-24-36V	12.0~30.0	24.0	3100	0.08	2346	0.25	150.00	3.6	60.1	616

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS5-12-19VD	12.0~24.0	12.0	1650	0.06	1240	0.25	150.00	1.9	63.6	603
PL36RS5-12-80N	8.0~16.0	12.0	4600	0.14	3950	0.79	208.00	8.04	88.0	1472
PL36RS5-24-233N	12.0~30.0	24.0	9040	0.2	7830	1.3	290.00	23.3	74.7	2167

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36FS5-12-64C	6.0~18.0	12.0	4700	0.15	3100	0.82	200.00	6.4	65.0	588
PL36FS5-12-62	6.0~18.0	12.0	4200	0.14	3000	0.75	200.00	6.15	68.3	700
PL36FS5-12-28	6.0~18.0	12.0	3800	0.12	2700	0.42	100.00	2.8	55.0	245

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	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS3-6-05	3.0~9.0	6.0	1100	0.07	980	0.17	50.00	0.5	49.3	458
PL36RS3-6-378	4.8~8.0	6.0	15000	1.5	12700	8.5	290.00	37.8	74.1	1930
PL36RS3-12-410N	6.0~12.0	12.0	12000	0.65	10000	4.2	400.00	41	81.3	2400
PL36RS3-12-503	6.0~15.0	12.0	16500	1	14000	5.2	350.00	50.3	80.5	2310
PL36RS3-12-250	6.0~24.0	12.0	7600	0.34	6100	2.8	400.00	25	74.5	2030
PL36RS3-12-109	6.0~24.0	12.0	6600	0.26	5300	1.4	200.00	10.9	64.7	1015
PL36RS3-24-118	12.0~24.0	24.0	5800	0.1	5100	0.6	225.00	11.8	81.7	1864
PL36RS3-24-124	12.0~30.0	24.0	5700	0.1	4850	0.78	250.00	12.4	66.4	1676

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS3-5-546N	3.4~5.6	4.5	18200	2.5	15200	15.8	350.00	54.6	76.8	2187
PL36RS3-6-718N	4.0~7.0	6.0	20300	2.3	17500	15	400.00	71.8	79.7	2900
PL36RS3-10-885N	4.5~12.0	10.0	26400	2.4	22700	13	380.00	88.5	68.0	2711
PL36RS3-11-800	9.0~15.0	11.0	25100	1.95	21000	10.6	370.00	80	69.0	2265
PL36RS3-12-109	6.0~15.0	12.0	6100	0.28	5300	1.2	200.00	10.9	76.0	1525
PL36RS3-24-289N	12.0~28.0	24.0	11200	0.28	9400	1.62	300.00	28.9	74.3	1875
PL36RS3-24-225	12.0~28.0	24.0	5800	0.13	4400	1.25	500.00	22.5	75.0	2080
PL36RS3-24-66	12.0~28.0	24.0	5200	0.09	4300	0.4	150.00	6.6	68.9	882

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS3-6-309	4.0~10.0	6.0	9100	0.97	7540	7.1	400.00	30.9	72.5	2334
PL36RS3-7-750	3.0~9.0	7.2	15300	1.3	12200	13	600.00	75	80.0	2961
PL36RS3-12-1020	6.0~15.0	12.0	23600	1.6	20000	12	500.00	102	70.8	3278
PL36RS3-12-242	6.0~15.0	12.0	14500	0.75	13500	3.3	175.00	24.2	61.0	2538
PL36RS3-12-258VC	6.0~18.0	12.0	7700	0.35	6300	2.8	400.00	25.8	76.8	2200
PL36RS3-12-108	6.0~18.0	12.0	6500	0.26	5400	1.3	195.00	10.8	69.0	1152
PL36RS3-12-217D	12.0~24.0	12.0	6300	0.3	4200	2.9	504.00	21.7	62.4	1512
PL36RS3-24-57V	12.0~24.0	24.0	3850	0.1	3270	0.34	171.00	5.7	70.0	1135

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS3-5-170FC	3.0~6.0	4.8	7400	0.85	6400	5.2	260.00	17	68.4	1925
PL36RS3-6-258NF	4.0~8.0	6.0	7390	0.78	6300	5.8	400.00	25.8	74.1	2721
PL36RS3-7-643	3.0~9.0	7.2	14600	1.5	12530	13.5	500.00	64.3	66.0	3526
PL36RS3-10-532	7.2~9.6	9.6	16380	1.18	14500	7.95	358.00	53.2	69.8	3140
PL36RS3-12-623	6.0~12.0	12.0	15000	0.85	13200	6.8	460.00	62.3	76.3	3833
PL36RS3-12-875F	6.0~12.0	12.0	23700	1.7	20800	9.8	410.00	87.5	74.4	3416
PL36RS3-12-126	9.6~30.0	12.0	6100	0.27	5350	1.45	230.00	12.6	72.4	1869
PL36RS3-24-720	12.0~24.0	24.0	14000	0.39	11700	4.2	600.00	72	71.4	3658

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS3-7-850	3.0~7.5	7.2	17800	2.1	13800	18	600.00	85	65.6	2670
PL36RS3-10-1100	6.5~10.5	9.6	17800	1.58	15400	16	700.00	110	72.0	5192
PL36RS3-11-912NFC	6.0~12.0	10.5	17280	1.4	14820	11.8	600.00	91.2	73.6	4214
PL36RS3-12-1500	6.0~15.0	12.0	20700	1.6	17000	17	860.00	150	73.6	4831
PL36RS3-12-800FC	6.0~12.0	12.0	14700	0.92	13000	8.6	600.00	80	77.5	5190
PL36RS3-12-369	6.0~18.0	12.0	7100	0.4	6000	3.5	600.00	36.9	87.8	3873
PL36RS3-14-924	8.0~16.0	14.4	17800	0.92	15000	9.8	600.00	92.4	65.5	3814
PL36RS3-24-190	12.0~24.0	24.0	6400	0.15	5450	1.05	340.00	19	75.0	2290

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	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS3-12-144	6.0~18.0	12.0	5800	0.23	4690	1.8	300.00	14.4	67.0	1572
PL36RS3-12-121	6.0~18.0	12.0	5900	0.25	4800	1.35	245.00	12.1	74.7	1320
PL36RS3-24-163D	15.0~24.0	24.0	5800	0.12	4550	1	350.00	16.3	67.9	1624
PL36RS3-24-100	15.0~28.0	24.0	5490	0.11	4640	0.6	210.00	10	69.4	1369

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS5-6-115	3.0~9.0	6	6000	0.4	5100	2.3	220	11.5	83.3	1466
PL36RS5-9-85D	6.0~12.0	9	4200	0.22	3300	1.28	250	8.46	73.4	1166
PL36RS5-12-93	6.0~18.0	12	5300	0.17	4500	1.2	200	9.3	64.5	1333
PL36RS5-24-63VD	12.0~24.0	24	3750	0.08	3050	0.38	200	6.25	68.5	1071

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS5-6-183D	6.0~12.0	6	7000	0.68	5950	3.7	300	18.3	82	2000
PL36RS5-12-185C	6.0~18.0	12	5400	0.25	4500	2	400	18.5	77	2400
PL36RS5-24-363V	12.0~24.0	24	13400	0.32	11800	1.9	300	36.3	79.6	2521

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS5-9-142	7.0~12.0	9	7590	0.5	6600	2.2	210	14.2	71.8	1610
PL36RS5-12-127N	6.0~24.0	12	5500	0.27	4600	1.6	270	12.7	66.1	1656
PL36RS5-16-42D	12.0~20.0	16	2880	0.07	2380	0.37	170	4.15	70.1	980
PL36RS5-20-41N	12.0~30.0	20	2880	0.07	2380	0.29	170	4.14	71.5	979
PL36RS5-24-126C	12.0~24.0	24	5500	0.13	4550	0.8	270	12.6	65.6	1563

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS5-6-60D	3.0~9.0	6	3290	0.28	2800	1.29	210	6.03	78	1410
PL36RS5-12-370N	6.0~15.0	12	11700	0.58	10320	4	350	37	77	2967
PL36RS5-13-294D	8.0~18.0	13	8335	0.32	6440	2.62	445	29.4	86.3	1957
PL36RS5-24-240N	12.0~30.0	24	9100	0.2	7800	1.35	300	24	74	2100
PL36RS5-36-540N	12.0~40.0	36	11500	0.19	9600	1.9	550	54	79	3328

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS5-6-380	3.0~9.0	6	11700	1.5	9750	10	380	38	63.3	2280
PL36RS5-12-56DC	12.0~15.0	12	3000	0.11	2750	0.56	200	5.64	83.9	5.51
PL36RS5-24-134C	12.0~28.0	24	4000	0.1	3200	0.78	408	13.4	71.6	2040

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36FS5-6-20	4.0~12.0	6	2686	0.18	2070	0.6	92	1.95	54.2	402
PL36FS5-12-53	6.0~18.0	12	3780	0.13	2570	0.78	200	5.27	56	623
PL36FS5-12-29	6.0~18.0	12	3225	0.11	2550	0.41	110	2.87	58.5	526
PL36FS5-24-75	12.0~28.0	24	5690	0.12	4877	0.53	150	7.5	58.9	880

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS12-120-180DB	80~160	120.0	11900	0.04	8900	0.16	200.00	18	86.0	794
PL36RS12-120-223B	80~160	120.0	13920	0.05	10850	0.23	200.00	22.3	71.3	907
PL36RS12-120-45	80~160	120.0	7300	0.02	5440	0.06	80.00	4.46	62.0	314
PL36RS12-220-180DB	110~220	220.0	20100	0.04	17500	0.11	100.00	18	63.0	773
PL36RS12-220-150DB	120~220	220.0	11900	0.02	9750	0.1	150.00	15	68.2	840
PL36RS12-220-153B	200~240	220.0	17200	0.04	14900	0.11	100.00	15.3	63.1	748
PL36RS12-230-114F	180~230	230.0	12000	0.03	11100	0.09	100.00	11.4	55.1	1333
PL36RS12-230-89	180~240	230.0	10700	0.02	8650	0.06	100.00	8.87	64.0	522

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS12-110-324	80~120	110.0	19200	0.09	15800	0.36	200.00	32.4	81.8	1129
PL36RS12-110-361	80~110	110.0	21500	0.1	17600	0.4	200.00	36.1	86.4	1103
PL36RS12-117-81NB	80~120	117.0	10400	0.04	8800	0.1	90.00	8.1	69.4	585
PL36RS12-120-235NF	80~160	120.0	13920	0.07	11450	0.24	200.00	23.5	81.0	1128
PL36RS12-120-28	80~220	120.0	5030	0.02	3960	0.045	70.00	2.8	52.6	329

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS12-110-100N	80~120	110.0	8350	0.05	6500	0.11	150.00	10	64.9	678
PL36RS12-110-109N	80~120	110.0	8500	0.04	7100	0.14	150.00	10.9	60.8	910
PL36RS12-120-327	80~120	120.0	17500	0.07	14500	0.32	220.00	32.7	64.7	1286
PL36RS12-120-207	80~120	120.0	14500	0.06	11900	0.25	170.00	20.7	69.0	948
PL36RS12-220-110	180~240	220.0	6500	0.013	5400	0.07	200.00	11	72.0	1176
PL36RS12-230-207	110~240	230.0	14500	0.03	11900	0.13	170.00	20.7	69.4	950
PL36RS12-230-164N	120~240	230.0	10000	0.02	8000	0.1	200.00	16.4	54.6	1000
PL36RS12-230-82N	120~240	230.0	9250	0.02	7200	0.07	180.00	8.2	64.4	814

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS12-100-339NF	80~120	100.0	13000	0.06	11800	0.35	280.00	33.9	75.7	3033
PL36RS12-100-454N	100~120	100.0	13300	0.09	12100	0.48	366.00	45.4	72.7	4057
PL36RS12-100-496N	100~120	100.0	13300	0.08	13880	0.48	400.00	49.6	79.5	4433
PL36RS12-110-427NFB	50~110	110.0	17150	0.16	11600	0.62	300.00	42.7	62.2	1573
PL36RS12-120-333NF	100~120	120.0	13000	0.06	9950	0.27	280.00	33.3	80.6	2600
PL36RS12-220-408F	220~240	220.0	12700	0.04	9750	0.24	400.00	40.8	77.3	1850
PL36RS12-230-450F	120~230	230.0	12500	0.02	12900	0.28	450.00	45	70.0	2045
PL36RS12-230-397F	120~230	230.0	15700	0.04	7200	0.2	300.00	39.7	86.3	1682

Model No.	Voltage		No-Load		At Maximum Efficiency					Stall Torque
	Operating Range	Nominal	Speed	Current	Speed	Current	Torque	Output	Efficiency	
	V	V	RPM	A	RPM	A	gf.cm	W	%	
PL36RS12-110-200BDF	80~120	110.0	11050	0.085	9300	0.28	210.00	20	64.9	1326
PL36RS12-120-329VF	90~130	120.0	13500	0.08	10700	0.34	300.00	32.9	80.6	1449
PL36RS12-120-209BDF	80~140	120.0	12500	0.1	10200	0.28	200.00	20.9	63.0	1086
PL36RS12-120-209DB	80~140	120.0	12500	0.08	10200	0.26	200.00	20.9	67.1	1110
PL36RS12-120-207FDB	80~140	120.0	12800	0.1	10100	0.32	200.00	20.7	43.0	952
PL36RS12-230-253D	110~240	230.0	9500	0.05	8230	0.17	300.00	25.3	64.7	2244
PL36RS12-240-308NF	180~240	240.0	13000	0.07	1000	0.18	300.00	30.8	71.3	1300

Drawing for models in table 1

