

NEW POWER
U.S.A. DC MOTORS



INDUSTRIAL MOTOR LINE



**PERMANENT MAGNET
DC MOTOR**

<http://www.usa-newpower.com>
E-mail: service@usa-newpower.com

Up to speed in any variable speed application.

Whatever your needs in variable speed applications, you can trust our 200/300/400/500 series PMDC motors. Designed and built under the highest quality process for General industrial needs, our products are there to provide reliable performance for a long time. Our motors will provide constant torque over the entire speed range when properly match to the speed Controller.

When properly matched with the Speed Controllers, our motors can achieved stable Speed/Torque regulation at near zero rpm to full speed of the motor. In addition, We can customize our mechanical or electrical parmpeters to suit your needs.

For precision applications, we provide special encoder mounted on the motor shaft to achieve precise speed regulation and high torque at low speed without lengthening the motor.

0045 1/16 HP
45 W

0060 1/12 HP
60 W

0075 1/10 HP
75 W

0090 1/8 HP
90 W

0120 1/6 HP
120 W

0150 1/5 HP
150 W

0180 1/4 HP
180 W

0250 1/3 HP
250 W



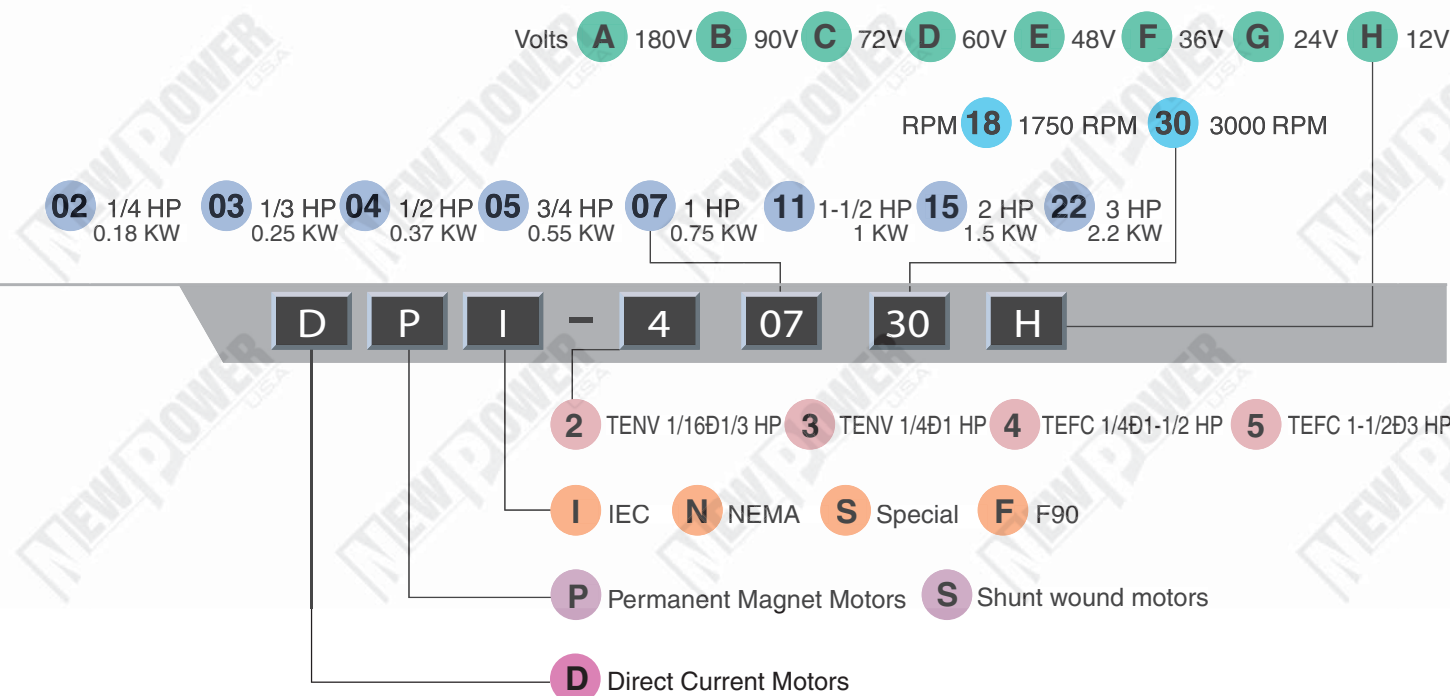
Magnet DC Motors

Features

1. Nema 42C-184TC face and base configurations available.
2. IEC B5, B14, D56-D100 flange mount with removable base.
3. High quality ball bearing guarantee long time operation in motor.
4. Removable brush cover for easier inspection and brush replacement.
5. Rated for use with SCR and PWM variable speed controls.
6. Low inertia armatures provide quick response.
7. Ratings include 1/16 HP to 3HP, with various rated speeds available as standard in both 90V and 180V DC designs, TEFC and TENV versions.
8. 12V/24V/36V/48V DC available.
9. Protection index: IP 54

Category No.

TENV Totally Enclose Non-Vented
TEFC Totally Enclose Fan-Cooled



Permanent magnet DIRECT CURRENT MOTORS

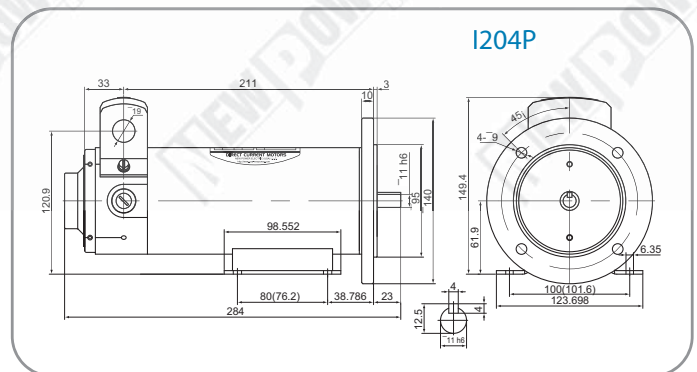
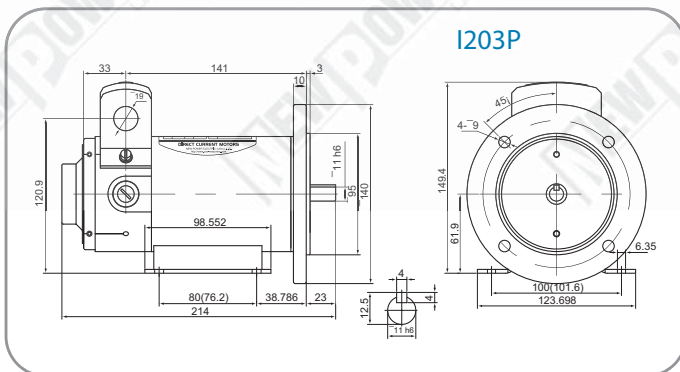
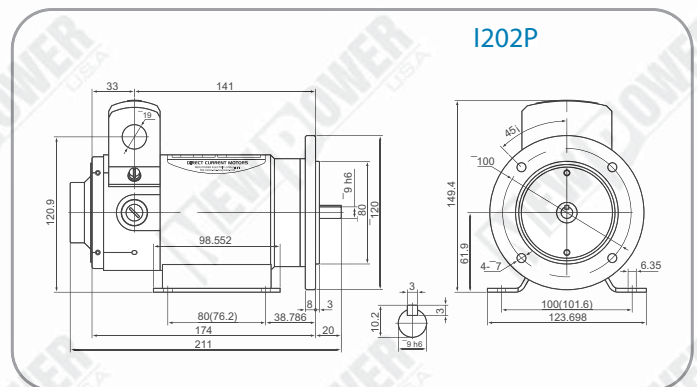
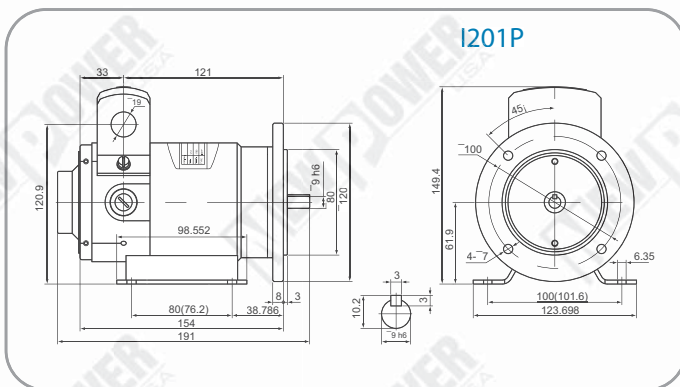
#200 TYPE IEC B5

IEC DC Permanent magnet motors for thyristor drives IP54 B5 Flange
45W~250W(1/16-1/3HP) IEC Frame size D56-D63 Flange mount with removable base

*Application: General purpose including conveyors, material handling equipment and packaging machinery.



Ratings With form factor		Base Speed R.P.M.	Motor Frame	Armature		Toque		Motors Weight Kgs	Motors Type	Motors Catalog Number
W	HP			Volts	Full Load Amps	Nm	Lb.Ft			
45	1/16	1750	D56	180	0.31	0.25	0.18	4.0	I 201P	DPI-2004518A
		1750	D56	90	0.63	0.25	0.18	4.0	I 201P	DPI-2004518B
60	1/12	1750	D56	180	0.42	0.33	0.24	4.0	I 201P	DPI-2006018A
		1750	D56	90	0.83	0.33	0.24	4.0	I 201P	DPI-2006018B
		3000	D56	180	0.42	0.19	0.14	4.0	I 201P	DPI-2006030A
		3000	D56	90	0.83	0.19	0.14	4.0	I 201P	DPI-2006030B
75	1/10	3000	D56	180	0.52	0.24	0.18	5.0	I 201P	DPI-2007530A
		3000	D56	90	1.04	0.24	0.18	5.0	I 201P	DPI-2007530B
75	1/10	1750	D56	180	0.52	0.41	0.30	5.0	I 202P	DPI-2007518A
		1750	D56	90	1.04	0.41	0.30	5.0	I 202P	DPI-2007518B
90	1/8	1750	D56	180	0.63	0.49	0.36	5.0	I 202P	DPI-2009018A
		1750	D56	90	1.25	0.49	0.36	5.0	I 202P	DPI-2009018B
		3000	D56	180	0.63	0.29	0.21	5.0	I 202P	DPI-2009030A
		3000	D56	90	1.25	0.29	0.21	5.0	I 202P	DPI-2009030B
120	1/6	3000	D56	180	0.83	0.38	0.28	5.0	I 202P	DPI-2012030A
		3000	D56	90	1.67	0.38	0.28	5.0	I 202P	DPI-2012030B
120	1/6	1750	D63	180	0.83	0.65	0.48	5.0	I 203P	DPI-2012018A
		1750	D63	90	1.67	0.65	0.48	5.0	I 203P	DPI-2012018B
150	1/5	3000	D63	180	1.04	0.48	0.35	6.5	I 203P	DPI-2015030A
		3000	D63	90	2.08	0.48	0.35	6.5	I 203P	DPI-2015030B
150	1/5	1750	D63	180	1.04	0.82	0.60	6.5	I 204P	DPI-2015018A
		1750	D63	90	2.08	0.82	0.60	6.5	I 204P	DPI-2015018B
180	1/4	1750	D63	180	1.25	0.98	0.72	6.5	I 204P	DPI-2018018A
		1750	D63	90	2.50	0.98	0.72	6.5	I 204P	DPI-2018018B
		3000	D63	180	1.25	0.57	0.42	6.5	I 204P	DPI-2018030A
		3000	D63	90	2.50	0.57	0.42	6.5	I 204P	DPI-2018030B
250	1/3	3000	D63	180	1.74	0.80	0.59	6.5	I 204P	DPI-2025030A
		3000	D63	90	3.47	0.80	0.59	6.5	I 204P	DPI-2025030B



- Above figures are estimated according to the theory base, the figures may be adjusted via actual different application & factor.
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Permanent magnet DIRECT CURRENT MOTORS



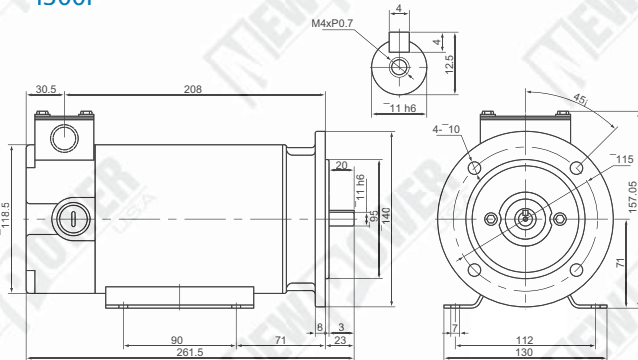
#300 TYPE IEC B5

IEC DC Permanent magnet motors for thyristor drives IP54 B5 Flange
0.18KW~0.75KW (1/4 HP ~ 1 HP) IEC Frame size D63-D80 Flange mount with removable base

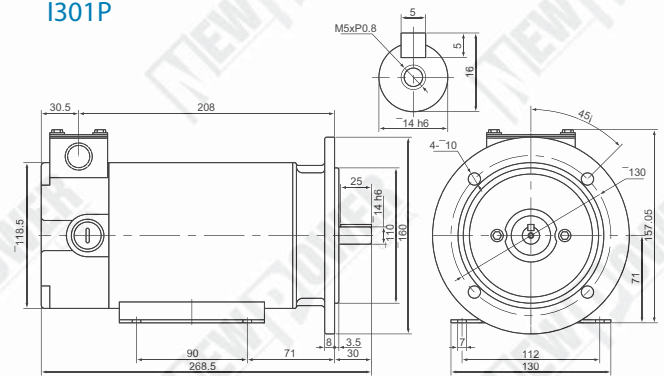
*Application: Conveyors, mixer, packaging machinery, electric wheelchair.

Ratings With form factor		Base Speed R.P.M.	Motor Frame	Armature		Toque		Motors Weight Kgs	Motors Type	Motors Catalog Number
KW	HP			Volts	Full Load Amps	Nm	Lb.Ft			
0.18	1/4	1750	D63	180	1.40	1.02	0.75	11.0	I 300P	DPI-30218A
		1750	D63	90	2.50	1.02	0.75	11.0	I 300P	DPI-30218B
0.18	1/4	1750	D71	180	1.40	1.02	0.75	11.0	I 301P	DPI-30218A-A
		1750	D71	90	2.50	1.02	0.75	11.0	I 301P	DPI-30218B-A
0.25	1/3	1750	D71	180	1.70	1.36	1.00	11.0	I 301P	DPI-30318A
		1750	D71	90	3.20	1.36	1.00	11.0	I 301P	DPI-30318B
		3000	D71	180	1.70	0.79	0.58	11.0	I 301P	DPI-30330A
		3000	D71	90	2.80	0.79	0.58	11.0	I 301P	DPI-30330B
0.37	1/2	3000	D71	180	2.50	1.19	0.87	12.0	I 301P	DPI-30430A
		3000	D71	90	4.20	1.19	0.87	12.0	I 301P	DPI-30430B
0.37	1/2	1750	D71	180	2.50	2.04	1.50	14.0	I 302P	DPI-30418A
		1750	D71	90	4.80	2.04	1.50	14.0	I 302P	DPI-30418B
0.56	3/4	1750	D80	180	3.70	3.06	2.25	15.0	I 303P	DPI-30518A
		1750	D80	90	7.40	3.06	2.25	15.0	I 303P	DPI-30518B
		3000	D80	180	3.70	1.78	1.31	15.0	I 303P	DPI-30530A
		3000	D80	90	7.40	1.78	1.31	15.0	I 303P	DPI-30530B
0.75	1	3000	D80	180	5.00	2.39	1.76	16.0	I 303P	DPI-30730A
		3000	D80	90	10.00	2.39	1.76	16.0	I 303P	DPI-30730B

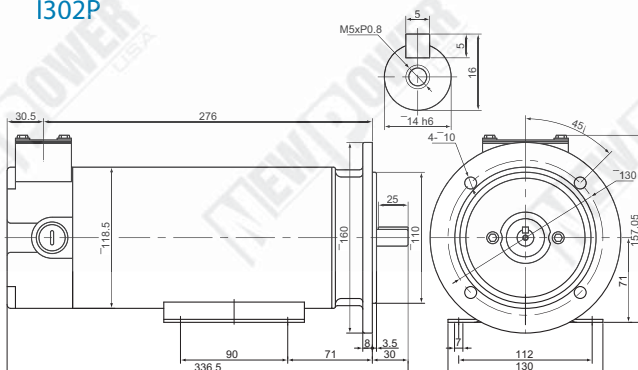
I300P



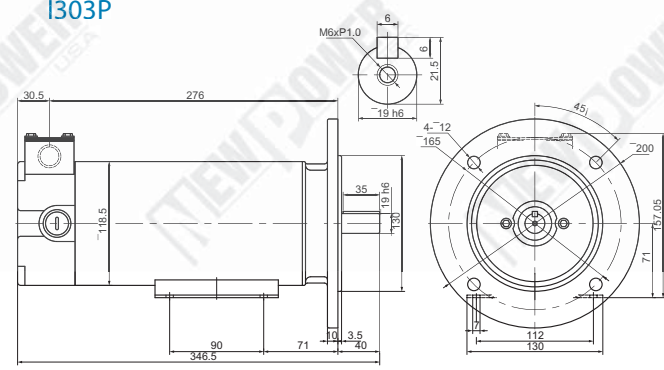
I301P



I302P



I303P



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Permanent magnet DIRECT CURRENT MOTORS

#400 TYPE IEC B5

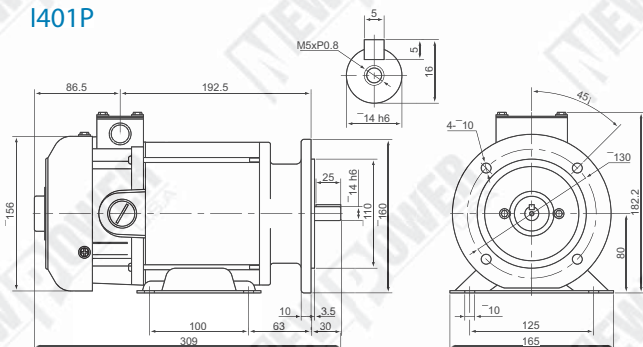
IEC DC Permanent magnet motors for thyristor drives IP54 B5 Flange
0.18KW~1.1KW (1/4 HP ~ 1.5HP) IEC Frame size D71-D90 Flange mount with removable base

*Application: Conveyors, printing, plastic machinery, food processing and feeder.

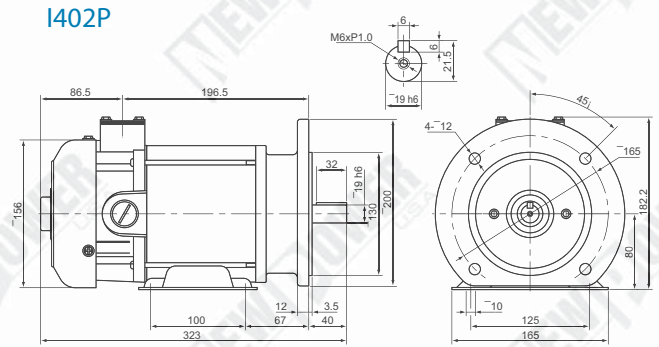


Ratings With form factor		Base Speed R.P.M.	Motor Frame	Armature		Toque		Motors Weight Kgs	Motors Type	Motors Catalog Number
KW	HP			Volts	Full Load Amps	Nm	Lb.Ft			
0.18	1/4	1750	D71	180 V	1.4	1.02	0.75	12.0	I 401P	DPI-40218A
		1750	D71	90 V	2.5	1.02	0.75	12.0	I 401P	DPI-40218B
0.25	1/3	1750	D71	180 V	1.7	1.36	1.00	12.0	I 401P	DPI-40318A
		1750	D71	90 V	3.2	1.36	1.00	12.0	I 401P	DPI-40318B
		3000	D71	180 V	2.2	0.79	0.58	12.0	I 401P	DPI-40330A
		3000	D71	90 V	2.8	0.79	0.58	12.0	I 401P	DPI-40330B
0.37	1/2	1750	D71	180 V	2.5	2.04	1.50	14.0	I 401P	DPI-40418A
		1750	D71	90 V	4.8	2.04	1.50	14.0	I 401P	DPI-40418B
		3000	D71	180 V	2.5	1.19	0.87	13.0	I 401P	DPI-40430A
		3000	D71	90 V	4.2	1.19	0.87	13.0	I 401P	DPI-40430B
0.56	3/4	3000	D80	180 V	3.1	1.78	1.31	14.0	I 402P	DPI-40530A
		3000	D80	90 V	6.3	1.78	1.31	14.0	I 402P	DPI-40530B
0.56	3/4	1750	D80	180 V	3.7	3.06	2.25	20.0	I 403P	DPI-40518A
		1750	D80	90 V	7.0	3.06	2.25	20.0	I 403P	DPI-40518B
0.75	1	1750	D80	180 V	5.0	4.08	3.00	23.0	I 403P	DPI-40718A
		1750	D80	90 V	10.0	4.08	3.00	23.0	I 403P	DPI-40718B
		3000	D80	180 V	5.1	2.38	1.75	16.0	I 403P	DPI-40730A
		3000	D80	90 V	8.4	2.38	1.75	16.0	I 403P	DPI-40730B
1.1	1.5	3000	D90	180 V	8.0	3.57	2.62	19.0	I 404P	DPI-41130A

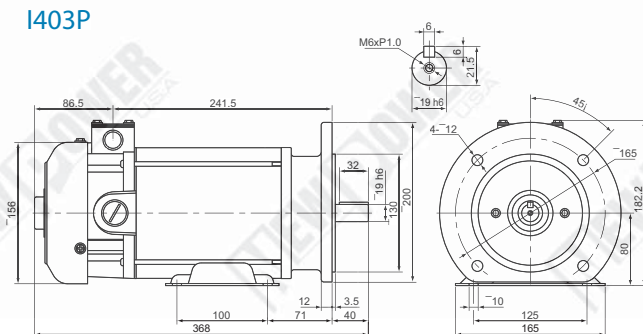
I401P



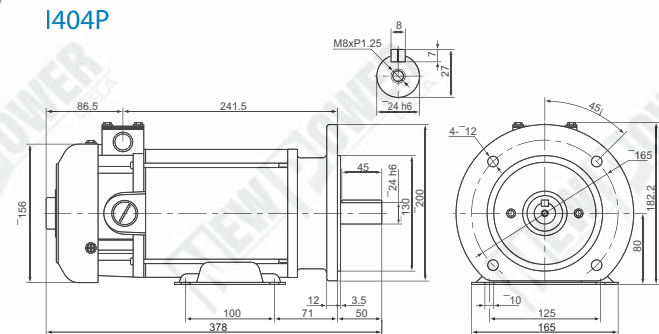
I402P



I403P



I404P



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Permanent magnet DIRECT CURRENT MOTORS

#500 TYPE IEC B5

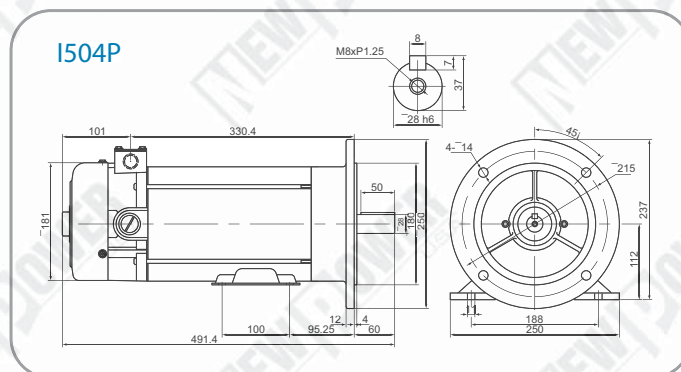
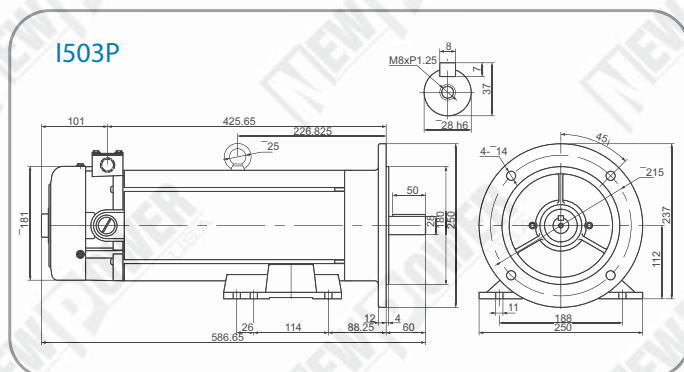
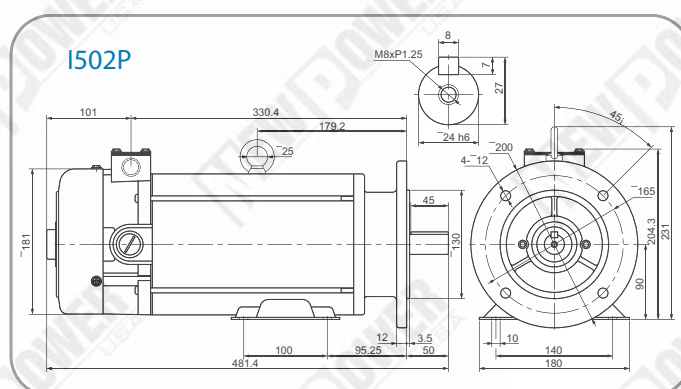
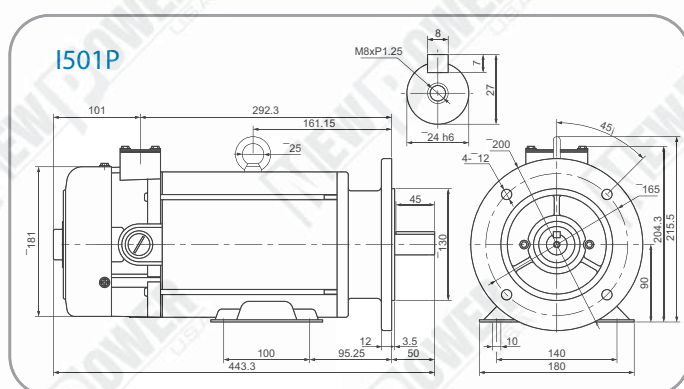
IEC DC Permanent magnet motors for thyristor drives IP54 B5 Flange

1.1KW~2.2KW (1.5 HP ~ 3 HP) IEC Frame size D90-D100 Flange mount with removable base

*Application: Conveyors, printing, plastic machinery, food processing and feeder.



Ratings With form factor		Base Speed R.P.M.	Motor Frame	Armature		Toque		Motors Weight Kgs	Motors Type	Motors Catalog Number
KW	HP			Volts	Full Load Amps	Nm	Lb.Ft			
1.1	1.5	1750	D90	180 V	7.7	6.12	4.5	25	I 501P	DPI-51118A
1.5	2	1750	D90	180 V	9.6	8.16	6	29	I 502P	DPI-51518A
		3000	D90	180 V	11.4	4.76	3.5	33	I 502P	DPI-51530A
2.2	3	1750	D100	180 V	14.0	9.00	6.64	40	I 503P	DPI-52218A
		3000	D100	180V	14.0	5.25	3.87	35	I 504P	DPI-52230A



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