

Direct Current Motors and Drives 1/50 - 500 Hp

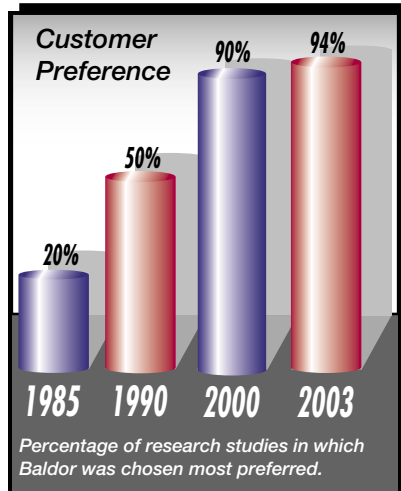


BALDOR[®]

MOTORS • DRIVES • GENERATORS

Why Baldor?

For over 85 years, Baldor has strived to provide customers with the best value and reliability in industrial electric motors. That dedication shows in customer preference for Baldor motors. To be considered as the most preferred...



Baldor offers the industry's broadest line of stock products. Save valuable time with just one call to Baldor. We offer more than 7,000 stock motors, drives and gearboxes.

Energy-efficiency leader. We began lowering the energy consumption of our motors in the 1920s, long before others were even talking about it. Today, our expansive line of Super-E® NEMA Premium® efficient motors ranges from 1 through 1250 hp. Baldor's Super-E line offers customers the highest overall efficiency levels in the industry.



Baldor products are available at more locations than any other brand. Our 35 district offices across North America offer immediate availability of Baldor products to thousands of distributors.

Continuous innovation to improve reliability. Baldor leads the motor industry in applying new technologies and materials to improve motor reliability. Baldor was the first to introduce ISR® (Inverter Spike Resistant®) magnet wire on our AC motors, which is up to 100 times more resistant to voltage spikes. Baldor was first to use Exxon's Polyrex® EM grease, which protects motor bearings better, providing improved lubrication life, greater shear stability, and superior resistance to washout, rust and corrosion.

Industry's shortest lead times/Flexible manufacturing.

Baldor has the industry's shortest lead times on custom motors – just ten working days. Our unique FLEX FLOW



manufacturing process lets us produce any order in any quantity, quickly and efficiently.

Industry's best information. Only Baldor offers customers so many choices for product information with a wide variety of catalogs and product brochures, a CD-ROM electronic catalog, the Baldor Web site (www.baldor.com), or you may talk to a Baldor customer service person or "ask the engineer" at www.BaldorProSpec.com.

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DC Motors & Controls for many different applications

Baldor offers the widest variety of DC Motors. From 1/50 to 500 horsepower, our rugged industrial designs may be used to power everything from a medical blood centrifuge to the printing press for your Sunday newspaper.

SCR-rated DC motors are available from stock in permanent magnet designs through 5 horsepower. Wound field designs are stocked through 500 HP. DC motors with special features are available from stock for special applications:

- Explosion-proof for hazardous locations
- Washdown Enclosures for food processing
- Metric mounting for replacement of motors built to IEC standards
- Permanent magnet motors with a built-in precision DC tachometer
- Right angle and parallel shaft gear motors
- 115 and 230 volt power motors built to IEEE 45 and USCG 259 standards for shipboard use

Custom motors are available with special voltages, base speeds, mountings and other options. With Baldor, building a custom motor to the specifications you require can eliminate assembly time, adapters, repainting and other costly operations. You buy only what you require, and we deliver when you need it.



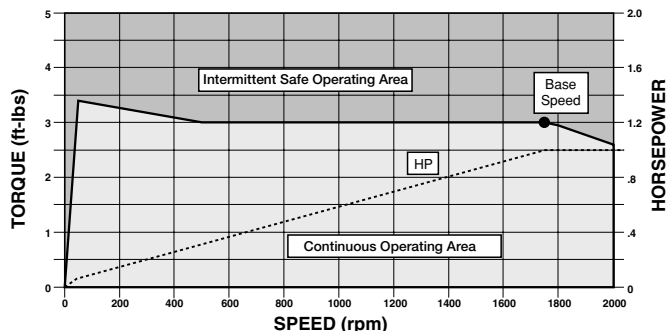
Matched Performance™

We know how our DC motors and controls perform when used together. This assured performance gives you the Matched Performance™ that you need. The wide range of SCR controls we offer assures that we have the correct control for most applications. Let Baldor take the guesswork out of matching motors and controls.



Baldor offers a wide range of DC motors with up to 500 Hp available from stock.

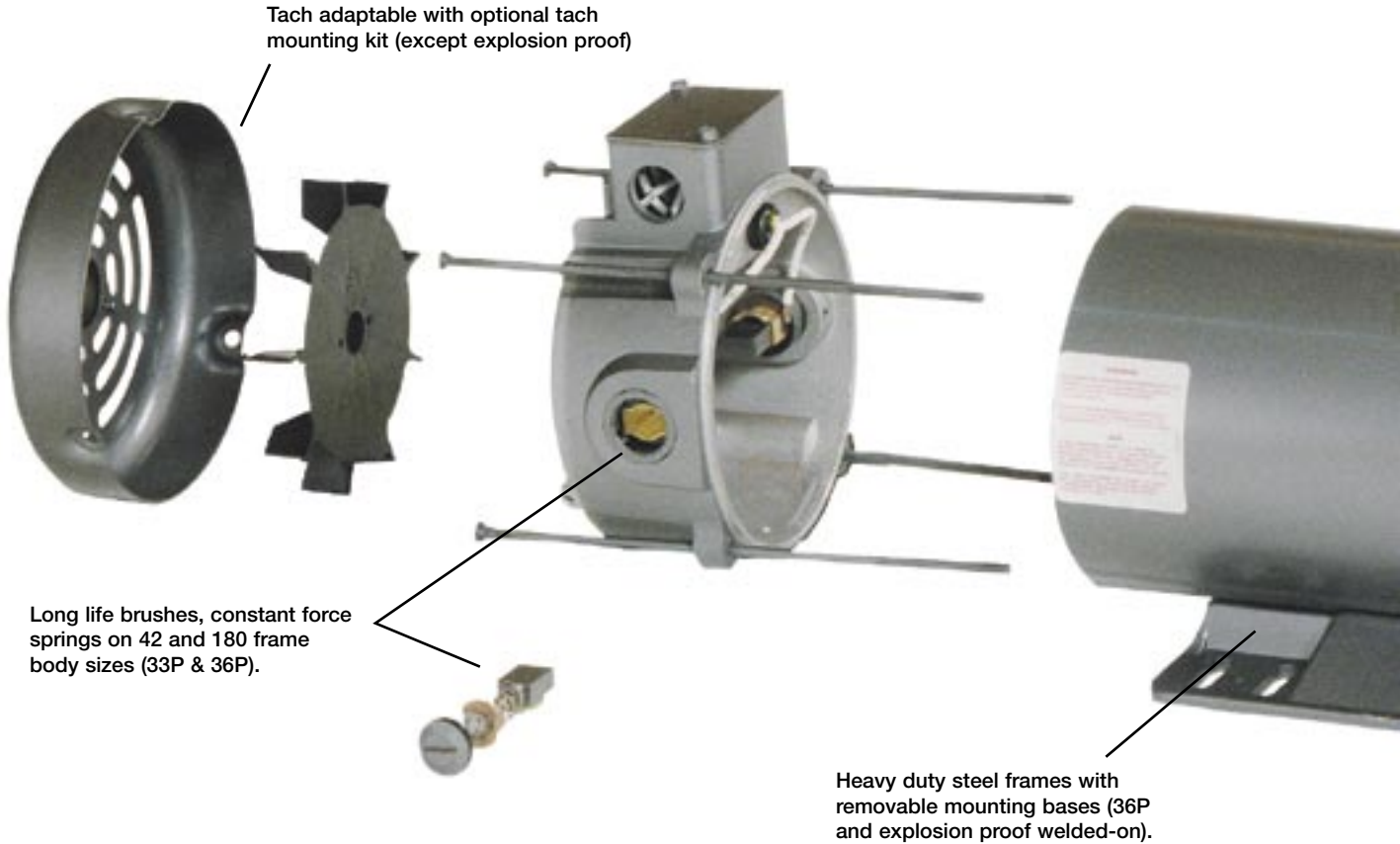
Performance Specifications BC140 Control and CDP3455 Motor 1HP



- Input Voltage:** 230V AC
50/60 Hz
1 Phase
- Base Speed:** 1750 RPM
- Operating Speed Range:** 0-2000 RPM
- Constant Torque Speed Range:** 90-1750 RPM
- Constant Horsepower Speed Range:** 1750-2000 RPM
- Speed Regulation Std. Feedback Type:** Armature
1% of Base Speed
- Opt. Feedback Type:** Tachometer
1% of Set Speed
- Motor Cooling:** TEFC

Baldor Permanent Magnet DC Motor

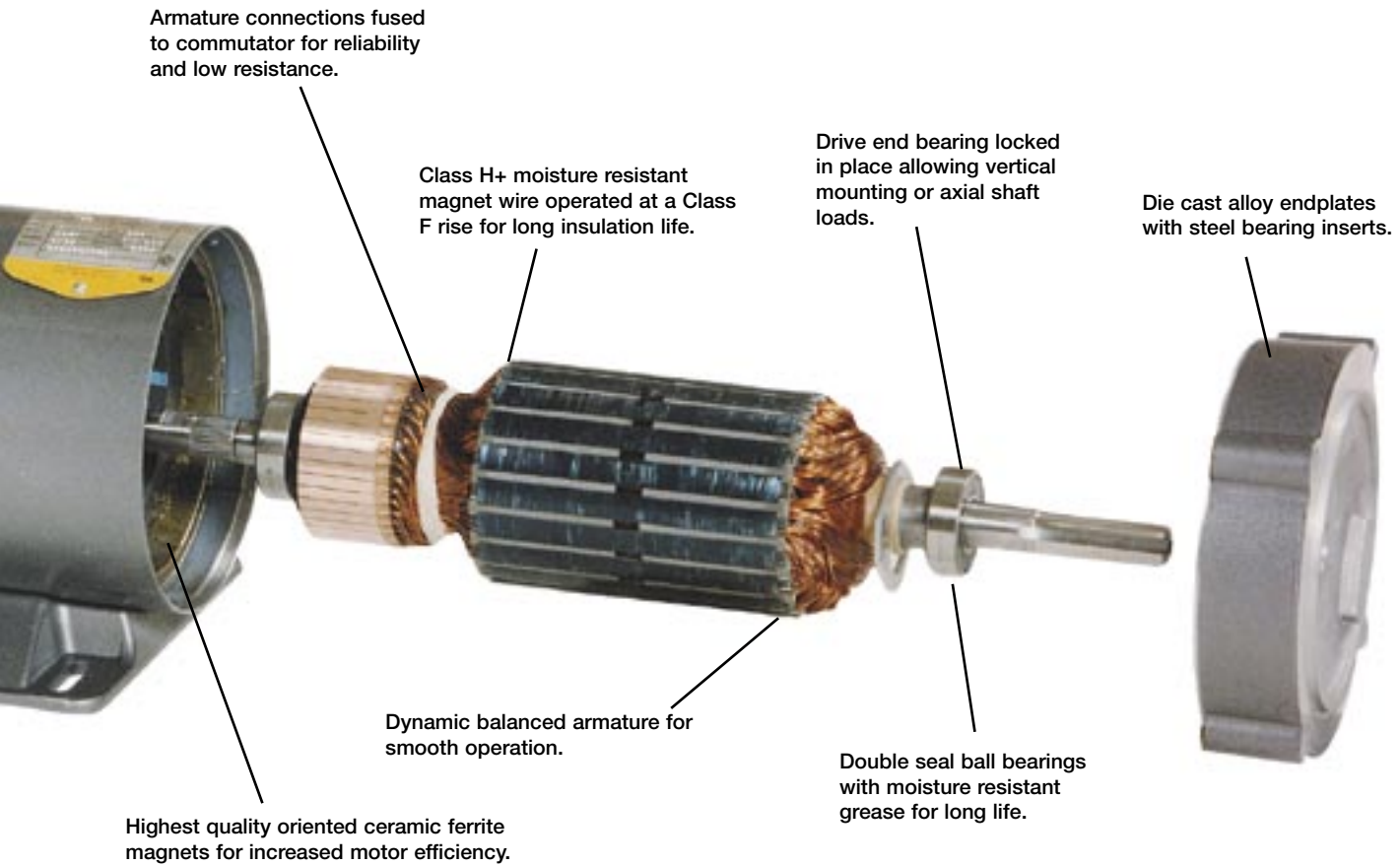
At the heart of our DC motor lineup are the many sizes of our versatile permanent magnet DC motors. These range in output from 1/50 hp to the industry's only 5 horsepower. Ruggedness, dependability and ease of use are the reasons that Baldor PMDC motors are specified by more customers than any other.



Typical Frame Sizes for Permanent Magnet DC Motors

Hp	Base Speed				
	1150	1750	2500	3500	5000
1/50		ABP-0	ABP-0	ABP-0	ABP-0
1/25		ABP-0	ABP-0	ABP-0	ABP-0
1/10		42C, 48C or 56C	42C, 48C or 56C	42C, 48C or 56C	42C, 48C or 56C
1/8	56C	42C, 48C or 56C	42C, 48C or 56C	42C, 48C or 56C	42C, 48C or 56C
1/6	56C	42C, 48C 56C	42C or 48C 56C	42C or 48C 56C	42C, 48C or 56C
1/4	56C	56C	42C or 48C 56C	42C or 48C 56C	42C, 48C or 56C
1/3	56C	56C	56C	56C	
1/2	56C	56C	56C	56C	
3/4	143-5TC	56C	56C	56C	
1	143-5TC	56C	56C	56C	
1-1/2	182-4TC	143-5TC	143-5TC	143-5TC	
2	182-4TC	143-5TC	143-5TC	182-4TC	
3	182-4TC	182-4TC	182-4TC	182-4TC	
5		1810ATC	182-4TC	182-4TC	

Ratings 2 HP and above designed for 180 Volts only.
ABP = Non NEMA Foot Mount



SCR - Rated Permanent Magnet DC Motors

Baldor chooses to make a wide variety of SCR-Rated PMDC motors, each specifically designed to a horsepower range. This optimizes the motor's commutator, brushes and inertia to assure the best performance possible. We further modify these designs for specific applications, washdown, explosion proof, metric mountings and integral DC tachometer. Only Baldor offers the choice of such a wide range of DC motors from stock, so you can be assured of having the best motor for your application.



TEFC
1/8 - 5 HP
90 or 180 Volt Armature
42 - 1810AT Frame



TENV
1/8 - 1 HP
90 or 180 Volt Armature
48 - 145TC Frame



Metric Face or Flange
.15 - 3.7 kW, 1/5 - 5 HP
180 Volt Armature
IEC D63D - D112D



Washdown Duty
1/4 - 5 HP
Paint-Free Design 1/4 - 1 HP
48 - 1810AT Frame



Explosion Proof
1/4 - 1-1/2 HP
90 or 180 Volt Armature
56 - 145TC Frame



Integral DC Tach
1/4 - 5 HP
Integral 50 V/1000 RPM DC Tachometer
90 or 180 Volt Armature
48 - 1810AT Frame

Performance Data

TENV & TEFC PMDC Motors*

HP	RPM	NEMA Frame	Enclosure	Catalog Number	Arm Volts	Full Load Amps	Rated Torq. lb-ft
1/4	1750	56C	TENV	CDP3310	90	2.5	0.75
1/4	1750	56C	TENV	CDP3306	180	1.3	0.75
1/3	1750	56C	TENV	CDP3320	90	3.2	1.0
1/3	1750	56C	TENV	CDP3316	180	1.6	1.0
1/2	1750	56C	TENV	CDP3330	90	4.8	1.5
1/2	1750	56C	TENV	CDP3326	180	2.5	1.5
1/2	2500	56C	TENV	CDP3335	90	5.0	1.05
3/4	1750	56C	TEFC	CDP3440	90	7.6	2.25
3/4	1750	56C	TEFC	CDP3436	180	3.7	2.25
3/4	2500	56C	TEFC	CDP3443	90	7.5	1.58
1	1750	56C	TEFC	CDP3445	90	10.0	3.0
1	1750	56C	TEFC	CDP3455	180	5.0	3.0
1	2500	56C	TEFC	CDP3450	90	9.7	2.1
1	2500	56C	TEFC	CDP3460	180	4.9	2.1
1-1/2	1750	145TC	TEFC	CDP3575	180	7.7	4.5
1-1/2	2500	145TC	TEFC	CDP3580	180	7.0	3.15
2	1750	145TC	TEFC	CDP3585	180	9.6	6.0
2	2500	145TC	TEFC	CDP3590	180	10.0	4.2
3	1750	184TC	TEFC	CDP3603	180	14.0	9.0
3	1750	182C	TEFC	CDP3604	180	14.0	9.0
5	1750	1810ATC	TEFC	CDP3605	180	24.5	15.0

Explosion Proof PMDC Motors

1/4	1750	56C	TEFC	CDPX3410	90	2.7	0.75
1/4	1750	56C	TEFC	CDPX3406	180	1.3	0.75
1/3	1750	56C	TEFC	CDPX3420	90	3.6	1.0
1/3	1750	56C	TEFC	CDPX3416	180	1.7	1.0
1/2	1750	56C	TEFC	CDPX3430	90	5.2	1.5
1/2	1750	56C	TEFC	CDPX3426	180	2.5	1.5
3/4	1750	56C	TEFC	CDPX3440	90	7.0	2.25
3/4	1750	56C	TEFC	CDPX3436	180	3.5	2.25
1	1750	56C	TEFC	CDPX3545	90	9.6	3.0
1	1750	56C	TEFC	CDPX3555	180	4.9	3.0
1-1/2	1750	145TC	TEFC	CDPX3575	180	7.1	4.5

IEC Metric Frame PMDC Motors**

.15-.20	1800	D63D	TENV	VP7424D	180	1.1	.60
.18-.25	1750	D71D	TENV	VP3311D	180	1.3	.75
.25-.33	1750	D71D	TENV	VP3316D	180	1.6	1.0
.37-.5	1750	D71D	TENV	VP3326D	180	2.5	1.5
.37-.5	3000	D71D	TEFC	VP3428D	180	2.5	0.9
.57-.75	1750	D80D	TEFC	VP3436D	180	3.7	2.25
.57-.75	3000	D80D	TEFC	VP3439D	180	3.6	1.31
.75-1.0	1750	D80D	TEFC	VP3455D	180	5.0	3.0
.75-1.0	3000	D80D	TEFC	VP3458D	180	5.1	1.75
1.1-1.5	1750	D90D	TEFC	VP3575D	180	7.7	4.5
1.1-1.5	3000	D90D	TEFC	VP3468D	180	7.7	2.63
1.5-2.0	1750	D90D	TEFC	VP3585D	180	9.6	6.0
1.5-2.0	3000	D90D	TEFC	VP3588D	180	10.0	3.5
2.2-3.0	1750	D112D	TEFC	VP3603D	180	14.0	9.0
3.7-5.0	1750	D112D	TEFC	VP3605D	180	24.5	15.0

NOTE: * Additional motors are available with washdown enclosures and with integral DC tachometers – same performance data.

** Additional motors are available with B14 face

Baldor DC Motor Construction

Baldor's broad line of DC motors continues to lead the industry with choices of permanent magnet or wound field designs. Many different configurations are available from stock or Baldor can design and build a motor to meet exact application requirements with our short leadtime.

DC Motor Construction Features

	Clarksville	Westville	Charlotte
Features			
HP Range	1/50 - 1/4	1/8 - 5	1 - 500
Class F insulation	S	S	S
1.0 Service factor	S	S	S
Long life brush system	S	S	S
Precision turned commutator with fused armature connections	S	S	S
Permanent magnet designs	S	S	
Wound field designs		S	S
Operation above base speed with field weakening			S
2 electrical pole designs	S	S	180 - 320 frame
4 electrical pole designs			360 frame - up
Overload thermostat		O	S-stock motors
Mechanical Features			
NEMA Frame sizes	42 - 56	48 - 1810AT	182 - 5010AT
IEC Frame Sizes	63	71 - 112	132 - 250
TENV and TEFC enclosures	S	S	S
DPFG - open enclosures	O	O	S
DPBV - drip proof - blower cooled enclosures			S
Washdown and paint free washdown models		S	
Explosion proof enclosure		S	
MSHA - Mine Safety and Health Administration models		O	O
Integral DC tachometer models		S	
Tach adaptable	O	S	S
Steel Band - Die cast aluminum endplates, steel fan cover	S	S	
Heavy rolled steel frame - cast iron endplates & fan cover			S
Die cast aluminum conduit box	S	S	
Cast Iron conduit box			S
Double sealed ball bearings	S	S	S
Hardware - cad plated	S	S	S
Motor unfiltered vibration at rated voltage & frequency < 0.15 in/sec velocity	S	S	S
Motor unfiltered vibration at rated voltage & frequency < 0.08 in/sec velocity	O	O	O
Non-sparking external cooling fan		S	S
Limited Warranty	18 months	18 months	18 months

Note: Contact your Baldor District Office for certified data, dimensions and features of a specific motor.

Subfractional Hp Permanent Magnet DC Motors and Gearmotors

In addition to our larger DC motors, Baldor has a complete line of subfractional permanent magnet DC motors – alone or with either right angle or parallel shaft gear reduction. Both in SCR-Rated and low voltage designs.

A wide variety of styles and mounting configurations of right angle gearmotors cover the range from 1/50 to 1/2 horsepower. Sealed gearbox housings with lifetime lubrication allow mounting in any position*. Their compact design and broad selection of speeds make these units ideal for direct coupling to the load. In many cases, additional equipment such as chain and sprockets can be eliminated. These units are well suited for all types of conveyORIZED equipment, mixers, feeders, gate and door operators and many other applications.

Standardized mountings and optional bases make parallel shaft gearmotors ideal for original equipment as well as replacement applications. These compact efficient gearmotors provide high output torque in a small package. They are well suited to many applications such as all kinds of conveyORIZED equipment, food processing, printing and packaging machines.



Subfractional HP Motors
1/100 - 1/4 HP



Right Angle Gearmotors Output
Torques to 250 lb-in



Parallel Shaft Gearmotors Output
Torques to 400 lb-in



Low Voltage
1/50 - 1/4 HP

NOTE: * Vertical motor below gearhead is not recommended. Avoiding this position will provide greater protection against oil leakage back into the motor. Contact Baldor if this position cannot be avoided.

Baldor's Family of Wound Field DC Motors

Baldor also makes a wide variety of wound field SCR-Rated DC motors. These range from a 48 frame 1/8 HP motor to a large 5010AT 500 HP size. We know that some customers still prefer the reliable Baldor wound field motors that have been available for over 75 years. Baldor continues to expand our product range so we can be your primary supplier of DC motors and drives.

Low voltage Baldor wound field motors are available with either a series or compound wound field. Special designs are available for traction applications or hydraulic pumps. Power motors are designed for operation from a generator or batteries.



**TEFC 1/8-75 HP, TEAO 5-100 HP
TEUC 15-500 HP
180 Volt Armature - 100/200 Volt Field
240 or 500 Volt Armature - 150/300 Volt Field**



**DPFG-Drip Proof Fully Guarded
1-400 HP DPBV-Drip Proof
Blower Vented 1-500 HP**

**Textile Applications
DPFG-Drip Proof Fully Guarded
240A/240F 1-300 HP**



**Explosion Proof
1/2 - 3 HP
180 Volt Armature
100/200 Volt Field**



**Metric Face or Flange
.09 - 370 kW, 1/8 - 500 HP
Choice of Voltages to
Meet Most Applications**

Performance Data

TENV & TEFC Shunt Wound DC Motors								
HP	RPM	NEMA Frame	Enclosure	Catalog Number	Arm / Fld Volts	F.L. Amerage Arm / Fld Hi/Lo		Rated Torq. lb-ft
1/4	1750	56C	TEFC	CD3425	90 100/ 50	3.0	0.3/0.6	0.75
1/3	1750	56C	TEFC	CD3433	90 100/ 50	3.4	0.4/0.8	1.0
	1750	56C	TEFC	CD3434	180 200/100	1.9	0.21/0.42	1.0
	1750	56C	TEFC	CD5333	90 100/ 50	3.7	0.5/1.0	1.0
	1750	56C	TEFC	CD3450	90 100/ 50	5.2	0.5/1.0	1.5
1/2	1750	56C	TEFC	CD3451	180 200/100	2.6	0.25/0.5	1.5
	1750	56C	TEFC	CD5350	90 100/ 50	5.0	0.44/0.88	1.5
	1750	56C	TEFC	CD3475	90 100/ 50	7.8	0.6/1.2	2.25
3/4	1750	56C	TEFC	CD3476	180 200/100	3.9	0.3/0.6	2.25
	1750	56C	TEFC	CD5375	90 100/ 50	8.0	0.6/1.2	2.25
	1750	56C	TEFC	CD5319	90 100/ 50	10.0	0.6/1.2	3.0
1	1750	56C	TEFC	CD5318	180 200/100	5.0	0.3/0.6	3.0
	1750	184C	TEFC	CD6219	90 100/ 50	9.6	0.55/1.1	3.0
	1750	184C	TEFC	CD6218	180 200/100	5.0	0.25/0.5	3.0
	1750	184C	TEFC	CD6215	180 200/100	7.5	0.25/0.5	4.5
1-1/2	1750	184C	TEFC	CD6215	180 200/100	7.5	0.25/0.5	4.5
2	1750	184C	TEFC	CD6202	180 200/100	9.5	0.4/0.8	6.0
	1750	213C	TEFC	CD7502	180 200/100	10.0	0.3/0.6	6.0
3	1750	184TC	TEFC	CD6203	180 200/100	14.7	0.6/1.2	9.0
	1750	215C	TEFC	CD7503	180 200/100	14.5	0.4/0.8	9.0
5	1750	215C	TEFC	CD7505	240 300/150	17.5	0.2/0.4	15.0
	1750	256UC	TEFC	CD9105	180 200/100	23.0	1.0/2.0	15.0
7-1/2	1750	256UC	TEFC	CD9175	240 300/150	27.0	0.7/1.4	22.5
10	1750	256UC	TEFC	CD9110	240 300/150	35.0	0.65/1.3	30.0
Explosion Proof Wound Field Motors								
1/2	1750	182CZ	TEFC	CDX1850	90 100/50	4.9	0.55/1.1	1.5
3/4	1750	182CZ	TEFC	CDX1875	90 100/50	7.0	0.55/1.1	2.25
1	1750	182CZ	TEFC	CDX2001	180 200/100	5.0	0.25/0.5	3.0
	1750	182C	TEFC	CDX7100	180 200/100	5.0	0.25/0.5	3.0
1-1/2	1750	184C	TEFC	CDX7150	180 200/100	7.5	0.25/0.5	4.5
2	1750	184C	TEFC	CDX7200	180 200/100	9.5	0.4/0.8	6.0
3	1750	215CY	TEFC	CDX7513	180 200/100	14.5	0.4/0.8	9.0

Baldor's Extensive Line of Integral Hp Wound Field DC Motors

DC motors continue to be an important product at Baldor. Our extensive stock of Integral HP ratings allows you to get the motor required from our inventory. If the motor isn't available from stock, our new large DC motor plant has the capability to build it with the industry's shortest lead times.

The following chart shows Baldor's Integral Hp manufacturing capabilities.

Integral Hp Custom Motor Capabilities

DPFG and DPBV Enclosure, 500V Armature (240 volt available), Typical Frame Sizes

HP	BASE SPEED								
	300	400	500	650	850	1150	1750	2500	3500
1					L186AT ①	L182AT ①	L182AT ①	L182AT ①②	L182AT ①②
1.5					L186AT ①	L186AT ①	L182AT ①	L182AT ①	L182AT ①
2					L186AT	L186AT	L186AT	L182AT	L182AT
3	328AT ①	288AT ①	259AT ①	2110AT ①	218AT	L186AT	L186AT	L186AT	L182AT
5	365AT ①	328AT ①	288AT ①	259AT ①	2110AT	219AT	L186AT	L186AT	L186AT
7.5	368AT	366AT	328AT	288AT	259AT	2110AT	218AT	L186AT	L186AT
10	407AT	366AT	328AT	328AT	288AT	258AT	219AT	218AT	1810AT
15	409AT	407AT	368AT	365AT	328AT	288AT	258AT	219AT	218AT
20	407AT②	368AT②	366AT②	366AT	328AT	328AT	259AT	2110AT	219AT
25	508AT	409AT	368AT②	366AT②	366AT	328AT	288AT	258AT	258AT
30	506AT	506AT	407AT	366AT②	366AT	328AT②	288AT	259AT	259AT
40	508AT	504AT	504AT	368AT②	366AT②	365AT②	328AT	287AT②	288AT
50	508AT	506AT②	506AT	409AT	368AT②	366AT②	328AT	288AT	288AT②
60	506AT②	506AT②	506AT	504AT	368AT②	368AT	366AT	328AT	328AT②
75	508AT②	506AT②	506AT②	504AT②	407AT②	368AT②	366AT	329AT	328AT②
100	5011AT②	5010AT②	508AT②	506AT②	409AT②	407AT②	368AT	366AT②	366AT②
125		5010AT②	508AT②	506AT②	506AT	409AT②	368AT②	368AT②	366AT②
150		5010AT②	508AT②	506AT②	506AT②	506AT	407AT②	407AT②	366AT ②
200			5011AT②	508AT②	506AT②	506AT②	409AT②	409AT②	
250			5012AT②	5011AT②	5010AT②	506AT②	504AT②		
300				5011AT②	5010AT②	508AT	506AT②		
400					5012AT②	5010AT②	508AT②		
500						5011AT②	5010AT ②		

NOTES: ① 240 Volt Armature Only
 ② Blower Required (DPBV)
 Totally Enclosed designs also available.

Low Voltage DC Motors – 12-72 VDC

More and more vehicles are being powered from batteries. Baldor is a long-time supplier of energy efficient DC motors for electric vehicles.



Wound Field Motors
1/50 - 8 HP

DC Power Motors

Some applications require a DC motor to operate from a NEMA Type A power supply, a DC generator or back-up battery system. For these jobs, Baldor makes a lineup of DC Power Motors for either a 115 or 230 volts DC. These motors are typically compound wound, but are available in shunt or series construction. Some ratings are also available as permanent magnet.



DC Power Motors
1/50 - 500 HP

Lifting Magnet and DC Generators

Baldor's rugged industrial DC motors are used as the basis for our 230V DC lifting magnet generators. This provides a heavy duty generator with cast iron endplates and a thick steel housing. Oversized brushes and commutators, sealed ball bearings and corrosion-resistant epoxy paint ensure long life and minimum service requirements. These generators are self-excited and have a drooping voltage characteristic. These are stocked with choice of base mounting or base with C-face in 5-40 kW ratings. Larger custom ratings are also available.

DC Generators are available using our rugged Integral HP DC Motor frames. These can be designed with either external or self-excited fields. Standard output voltages are 120 or 250 DC, other voltages are available.



5 - 40 kW



3/4 - 200 kW

DC SCR Controls

Standard SCR and Line Regen Controls

Baldor now offers a wide range of SCR controls to meet most applications. Both standard and line regenerative designs are available. Our line of single phase input controls are available for chassis mounting or with NEMA 1 or NEMA 4X enclosures. Baldor's controls for three phase input are available as standard or line regen designs with common keypad language and set up like our Inverters and Vector controls.

When you specify a Baldor SCR control along with your DC motor, you are assured of Matched Performance™. We know what performance you will get with the combination of our motor and control.

Accessory boards are also available to customize the control to meet your particular application requirements. This may range from following a process signal, leader/follower applications, serial interfaces and many more.



Tachometer Selection Guide

Catalog Number	Baldor Tach Type	Output Volt. V/1000 RPM	Ripple Max. Speed	Max. RMS Ripple	Temp. Max Current	Reversing Error	Cycles Per Rev.	Amb. Temp °C	Approx. Coefficient %Volt/°C	Temp. Compen.	Enclos.	Housing Material	Weight Lbs.	Inertia (lb-in ²)
PTG50XP PTG60XP-M PTG100XP CUSTOM	XPY	50 60 100 200	5000 4166 2500 1250	0.5%	400 mA 200 mA 200 ma -	2%	52	40	0.022	No	TENV IP54	Aluminum & Steel	5	0.93
PTG50XPS PTG60XPS-M PRG100XPS	XPY-II	50 60 100	5000 4166 2500	0.35	100 mA 50 mA 50 mA	1%	33	65	0.045	No	TENV IP54	Cast Iron	19	0.54
PTGWD50XPS PTGWD100XPS	XPY-II	50 100	5000 2500	0.35	100 mA 50 mA	1%	33	65	0.045	No	TENV IP65	Cast Iron	19	0.54
PFTG4250XC PTFG42100X CUSTOM	XC42	50 100 200	5000 2500 1250	0.5%	1.0 A 0.5 A -	2%	48	65	0.012	Yes	TENV IP54	Cast Iron & Steel	25	6.47
PFTG4650XC PTFG46100X CUSTOM	XC46	50 100 200	5000 2500 1250	0.5%	2.0 A 1.0 A -	2%	48	65	0.012	Yes	TENV IP54	Cast Iron & Steel	35	9.90
BTG1000	30-AFL-0	50	5000	8.0%	-	2%	24	40	0.2		TENV IP54	Aluminum	6	
PTG1024LD	DPY	1024PPR	5000								TENV IP54	Aluminum	1	
PTG50NC	Pancake DC	7 19 31.5 38 50	6000 6000 4000 4000 4000	1.5%	50 mA	2%	33	65	0.02	No	TENV IP54	Aluminum & Steel	3	0.33
PTG4590AC	Pancake DC	22.5 45 90	5000 5000 3600	NA		NA	18	40	0.03	No	TENV IP54	Aluminum & Steel	4	1.65

Tachometers

Baldor offers a wide range of tachometers to meet almost any application that you may have. DC, AC and Digital Encoder-based tachs are available either as stand-alone products or mounted to permanent magnet or wound field motors.

Baldor tachometers are used in elevators, plastic extruders, printing presses, antenna drives and many other diverse applications.

Our most popular XPY DC tach is available with PY or metric flange or foot mounting, in standard TENV or washdown enclosures; all from stock.

Our newest PY style DC tach, the XPYII, is shorter in length, but full-featured in performance. Its rugged cast iron housing is suited for mill applications and has better electrical shielding. The output signal has very low ripple current. We even have a version that uses a metric mounting flange and can be made with either IP54 or IP65 enclosure.

XC tachs are used when a rugged DC tach is required. Many mill applications utilize these tachs because of their voltage stability with temperature extremes, excellent output signal and cast iron construction.



DC XPY Tach
Flange and Foot mount



DC XPYII Tach



DC XC Tach

Pancake tachs with either DC, AC or Digital outputs are available for applications where space is at a premium.

Encoder-based digital tachs are available with a standard PY mounting flange for applications where new digital SCR controls are used. These easily mount to existing PY mounting adapters.

Our BTG1000 provides a 50 volt/1000 RPM DC output. This low cost tach provides basic speed indication.

Modular DC tachs are also available for OEMs that can mount them as an integral part of their products.



AC, DC or Digital
Pancake Tach



DPY



BTG1000
DC Tach

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