

### RPM III Wound Field SCR Drive DPG Motors, 240V & 500V Armature Power Code C

3 thru 60 Hp

NEMA 189ATCZ thru 2812ATZ

**Applications:** Metals, paper, web processes, extruders, cranes, conveyors, packaging, printing, machine tools.

**Features:** Unique laminated square frame for improved commutation on rectified power supplies. The square configuration allows for increased rating per frame size. High limit thermostat. Provision for adding adapter mounted feedback device. Class F rated insulation system. Service Line brushes with convenient wear indicating reference lines. PLS™ (Positive Lubrication System) for longer bearing and motor life. F-1 mounting unless otherwise specified.



Hp	Base/Max Speed	NEMA Frame	Voltage D.C.		Full Load Amperage		Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Notes	Reliance M/N	Field Type	XPY Tach Kit
			Arm.	Field	Arm.	Field(a)(b)								
3	1750/2300	DC189ATCZ (c)(e)	240	150	11	1.52	D2003R	5,616	N2	130	80,83	T18R1127	STAB	413336-1R
		C1811ATZ	500	300	5.2	0.741	D5003R	8,704	N2	197	80	T18R1333 (d)	STR	413336-1R
5	1750/2300	C1811ATZ	240	150	19.2	1.77	D2005R	9,046	N2	194	80,83	T18R1318 (d)	STAB	413336-1R
		C1811ATZ	500	300	9	1	D5005R	8,704	N2	175	80	T18R1334 (d)	STR	413336-1R
7.5	1750/2300	C1811ATZ	240	150	28	1.95	D2007R	9,046	N2	197	80,83	T18R1301 (d)	STAB	413336-1R
		C1811ATZ	500	300	13.5	1.29	D5007R	8,704	N2	210	80	T18R1335 (d)	STR	413336-1R
10	1750/2300	C1812ATZ	240	150	37	2.12	D2010R	9,899	N2	225	80,84	T18R1302 (d)	STAB	413336-1R
		C1812ATZ	500	300	17.4	1.08	D5010R	9,899	N2	235	80,85	T18R1307 (d)	STAB	413336-1R
15	1750/2300	SC2113ATZ	240	150	56	4.12	D2015R	13,372	N2	315	87	T21S1330	STAB	417708-21
		SC2113ATZ	500	150/300	27	1.76	D5015R	13,372	N2	315	87	T21S1322	STAB	417708-21
20	1750/2300	LC2113ATZ	240	150	74	4.24	D2020R	16,297	N2	370	87	T21S1331	STAB	417708-21
		MC2113ATZ	500	150/300	35	1.98	D5020R	14,911	N2	375	87	T21S1323	STAB	417708-21
25	1750/2300	LC2113ATZ	240	150	91.5	5.82	D2025R	16,297	N2	410	87	T21S1332	STAB	417708-21
		LC2113ATZ	500	150/300	43	2.61	D5025R	16,297	N2	415	87	T21S1324	STAB	417708-21
30	1750/2300	SC2512ATZ	240	150	111	3.45	D2030R	23,114	N2	505	87	T25S1330	STAB	417708-21
		SC2512ATZ	500	150/300	52	1.71	D5030R	23,114	N2	505	87	T25S1322	STAB	417708-21
40	1750/2100	LC2512ATZ	500	150/300	68	2.4	D5040R	25,080	N2	580	6,87	T25S1323	STAB	417708-21
50	1750/2100	MC2812ATZ	500	150/300	85	2.01	D5050R	35,888	N2	775	6,87	T28S1313	STAB	417708-26
60	1750/2100	LC2812ATZ	500	300	100	2.77	D5060R	40,114	N2	850	6,87	T28S1314	STAB	417708-26

**NOTE:** Encoder and tachometer kits on page 317.

- (a) Field amps at 25°C
- (b) Field amps for high voltage connection
- (c) 180 TC C-face
- (e) Top mounted conduit box, if blower added, blower must be mounted F-1 or F-2
- (d) Power Code D

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

### RPM III DC Motor Encoder and Tachometer Kits

**Applications:** Encoder and Tachometer Kits for Field Installation

**Features:** Kits include the encoder or tachometer and all mounting hardware required for installation on RPM III DC Motors.

Device Type	Output	Catalog Number	Frames	Enclosure	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
RD120-1	1 x 120 ppr	417708-30	DC180, C180, DC2112	DPG, DPV, TENV	3,072	E8	5
		417708-32	C210-C250	DPG, DPV, TENV	3,072	E8	5
		417708-33	C280-C400	DPG, DPV, TENV	3,072	E8	5
		417708-153	C440	DPG, DPV, TENV	3,072	E8	5
RD120-2	2 x 120 ppr	417708-34	DC180, C180, DC2112	DPG, DPV, TENV	3,655	E8	5
		417708-36	C210-C250	DPG, DPV, TENV	3,655	E8	5
		417708-37	C280-C400	DPG, DPV, TENV	3,655	E8	5
		417708-154	C440	DPG, DPV, TENV	3,655	E8	5
H20	1024 ppr	417708-133	DC180, C180, DC2112	DPG, DPV, TENV	3,919	E8	5
		417708-134	C210-C250	DPG, DPV, TENV	3,919	E8	5
		417708-135	C280-C400	DPG, DPV, TENV	3,919	E8	5
		417708-151	C440	DPG, DPV, TENV	3,919	E8	5
RL67	1024z ppr	417708-126	DC180, C180, DC2112	DPG, DPV, TENV	4,979	E8	4
		417708-136	C210-C250	DPG, DPV, TENV	4,979	E8	6
		417708-137	C280-C400	DPG, DPV, TENV	4,979	E8	6
		417708-138	C440	DPG, DPV, TENV	4,979	E8	4
RE045	45 VAC/ 1000 RPM	413327-W	DC180, C180, DC2112	DPG, DPV, TENV	4,067	N5	8
		417708-20	C210-C250	DPG, DPV, TENV	4,067	N5	11
		417708-25	C280-C400	DPG, DPV, TENV	4,067	N5	11
		417708-152	C440	DPG, DPV, TENV	4,067	N5	13

### Encoder and Tachometer Mounting Kits (less tach)

**Applications:** Encoder and Tachometer mounting kits for field installation

**Features:** Kits include all mounting hardware required for installation on RPM III DC motors. Feedback device not included.

Device Type	Catalog Number	Frames	Enclosure	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
XC42, XC46, BC42, BC46, H56, 800123-R & -S	413336-2R	DC180, C180, DC2112	DPG, DPV, TENV	1,475	A8	9
	417708-22	C210-C250	DPG, DPV, TENV	1,475	A8	9
	417708-27	C280-C400	DPG, DPV, TENV	1,475	A8	9
	417708-155	C440	DPG, DPV, TENV	1,475	A8	9
	417709-21	C180	TEFC	3,708	A8	19
	417709-58	C210	TEFC	3,708	A8	20
	417709-59	C250	TEFC	3,708	A8	23
	417709-60	C280	TEFC	3,708	A8	23
	417709-61	C320	TEFC	3,708	A8	29
XPY, XPYII, 5PY, RPY444	413336-1R	DC180, C180, DC2112	DPG, DPV, TENV	1,475	A8	7
	417708-21	C210-C250	DPG, DPV, TENV	1,475	A8	7
	417708-26	C280-C400	DPG, DPV, TENV	1,475	A8	7
	417708-156	C440	DPG, DPV, TENV	1,475	A8	8
	417709-17	C180	TEFC	3,708	A8	6
	417709-65	C210	TEFC	3,708	A8	6
	417709-66	C250	TEFC	3,708	A8	9
	417709-67	C280	TEFC	3,708	A8	15
	417709-68	C320	TEFC	3,708	A8	18
RL67	417708-40	DC180, C180, DC2112	DPG, DPV, TENV	953	A8	1
	417708-41	C210 - C250	DPG, DPV, TENV	953	A8	2
	417708-42	C280 - C400	DPG, DPV, TENV	953	A8	1
	417708-157	C440	DPG, DPV, TENV	953	A8	1

Farm Duty  
Motors

Definite Purpose  
Motors

Unit Handling  
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Brake Motors

200 & 575 Volt  
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IEC Frame  
Motors

50 Hertz  
Motors

Inverter/Vector  
Motors & Controls

DC Motors  
and Controls

Soft Starters &  
Dynamic Brakes

### Blower Kits for use with RPM III DC Motors Suitable for operation on 230/460V or 240/480V, 3-Phase, 50/60 Hz

Motor Frame	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt. (lb)	Description
C180ATZ, DC180ATZ	<b>417077-51</b>	1,302	A8	44	Blower Kit Without Filter
C210ATZ	<b>419947-29</b>	1,302	A8	52	Blower Kit Without Filter
C250ATZ	<b>419947-30</b>	1,302	A8	39	Blower Kit Without Filter
C280ATZ	<b>419947-32</b>	1,592	A8	55	Blower Kit Without Filter
C320ATZ	<b>419947-34</b>	1,854	A8	81	Blower Kit Without Filter
C3612ATZ	<b>417077-74</b>	1,854	A8	55	Blower Kit Without Filter
C3613ATZ	<b>417077-127</b>	1,854	A8	75	Blower Kit Without Filter
C400ATZ	<b>417077-75</b>	2,030	A8	85	Blower Kit Without Filter
C440ATZ	<b>417077-126</b>	4,139	A8	225	Blower Kit Without Filter

### Filter Kits for use with DPG-FV, RPM III DC motors

Motor Frame	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt. (lb)	Description
C180ATZ, DC180ATZ	<b>417077-57</b>	795	A8	2	Washable Wire Mesh Canister Type
C2113ATZ	<b>417077-58</b>	795	A8	4	Washable Wire Mesh Canister Type
C2115ATZ	<b>417077-59</b>	795	A8	4	Washable Wire Mesh Canister Type
C2512ATZ	<b>417077-58</b>	795	A8	4	Washable Wire Mesh Canister Type
C2514ATZ	<b>417077-59</b>	795	A8	4	Washable Wire Mesh Canister Type
C2515ATZ	<b>417077-59</b>	795	A8	4	Washable Wire Mesh Canister Type
C2812ATZ	<b>417077-59</b>	795	A8	4	Washable Wire Mesh Canister Type
C2813ATZ	<b>417077-59</b>	795	A8	4	Washable Wire Mesh Canister Type
C2815ATZ	<b>417077-59</b>	795	A8	4	Washable Wire Mesh Canister Type
C3210ATZ	<b>417077-59</b>	795	A8	4	Washable Wire Mesh Canister Type
C3212ATZ	<b>417077-59</b>	795	A8	4	Washable Wire Mesh Canister Type
C3214ATZ	<b>417077-59</b>	795	A8	4	Washable Wire Mesh Canister Type
C3612ATZ	<b>417077-65</b>	1,017	A8	7	Washable Wire Mesh Canister Type
C3613ATZ	<b>417077-102</b>	1,434	A8	6	Washable Wire Mesh Canister Type
C400ATZ	<b>417077-102</b>	1,434	A8	6	Washable Wire Mesh Canister Type
C440ATZ	<b>417077-124</b>	1,653	A8	18	Square Replaceable Polyester Type

### Sliding Bases for RPM III DC motors

**Applications:** Used for adjusting belt tension on belted applications. Not suitable for wall or ceiling mounting.

Motor Frame	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Description	Dimension Sheet
DC1810ATZ	<b>42384-26D</b>	278	A8	14	Standard Duty	609987-501
DC1811ATZ	<b>42384-26BE</b>	278	A8	17	Heavy Duty	609987-501
C1811ATZ	<b>42384-26BE</b>	278	A8	17	Heavy Duty	609987-1
C1812ATZ	<b>42384-26BF</b>	278	A8	17	Heavy Duty	609987-1
DC2112ATZ	<b>42384-26BH</b>	476	A8	29	Heavy Duty	609958-51
C2113ATZ	<b>419914-1A</b>	476	A8	50	Heavy Duty	609957-1
C2115ATZ	<b>419914-1P</b>	476	A8	36	Heavy Duty	609957-1
C2512ATZ	<b>419914-1B</b>	553	A8	33	Heavy Duty	609957-1
C2514ATZ	<b>419914-1R</b>	553	A8	59	Heavy Duty	609957-1
C2515ATZ	<b>419914-1S</b>	553	A8	36	Heavy Duty	609957-1
UC2812ATZ	<b>419914-1C</b>	1,068	A8	37	Heavy Duty	609957-1
UC2813ATZ	<b>419914-1T</b>	1,068	A8	26	Heavy Duty	609957-1
UC2815ATZ	<b>419914-1U</b>	1,068	A8	42	Heavy Duty	609957-1
UC3212ATZ	<b>419914-1D</b>	1,403	A8	69	Heavy Duty	609977-1
UC3214ATZ	<b>419914-1W</b>	1,403	A8	76	Heavy Duty	609977-1
UC3612ATZ	<b>419914-1E</b>	1,892	A8	76	Heavy Duty	609977-1
UC3613ATZ	<b>419914-1X</b>	1,892	A8	81	Heavy Duty	609977-1