



DAYTON
PHOENIX
GROUP



motors & auxiliary generators

Our benefits are:

- OEM Supplier
- Years of field-proven reliability
- Best-in-class life-cycle cost reductions
- 27 month warranty
- Engineered to outlast the competition—exceeds the OEM maintenance overhaul schedule

Dayton-Phoenix products are engineered to move, and our auxiliary generators and motors keep you moving.

Dayton-Phoenix Motors and Auxiliary Generators are all about performance with features such as:

- Motors have cast-iron end frames for superior vibration dampening and exceptional bearing support. Result: minimized shaft alignment problems.
- Generators containing more copper than most. Result: cooler, longer running times at critical ambient and temperature rise specs.
- Engineered to meet and exceed OEM maintenance overhaul schedules.

Dayton-Phoenix pioneered the industrial brushless generator and developed the Rotating Rectifier Ring that makes the AC generator possible. The proven, field-tested design eliminates high-wear, high-maintenance commutators, brushes, and slip rings. Result: long-lasting, reliable service.

motors & aux gen

motors & auxiliary generators

AC Auxiliary Generators



DPG Part#	OEM Part#	Description
3A8147	2802920	18 kW, 55 V with internal fan (775-2886 rpm)
5A8147	22089886	18 kW, 55 V no internal fan (775-2886 rpm)
A8589	2803063	18 kW, 55 V no internal fan (608-2886 rpm)

DC Auxiliary Generators



DPG Part#	OEM Part#	Description
6A7159	5553414	10 kW, 80 V, (850-2733 rpm)
4A8102	5512589	18 kW, 80 V, (850-2733 rpm)
2A8145M1	3195473	24 kW, 74 V, (920-2733 rpm)

Grid Cooling Motors



DPG Part#	OEM Part#	Description
4A8112	2801443	18 hp, 125 V DC, 1250 rpm
4A8132	2801444	36 hp, 300 V DC, 1650 rpm
A8592	2803364	100 hp, 450 V DC, 2000 rpm

Fuel Pump and Soak Motors



DPG Part#	OEM Part#	Description
C974A4	5540387	.25 hp, 64 V DC, 1200 rpm
C994A2	4947308	.75 hp, 74 V DC, 1200 rpm
EG9023CB	22109359	.75 hp, 55 V AC, 60 Hz, 6 pole
I6324	10629060	1.5 hp, 55 V AC, 60 Hz, 8 pole

Stator Packs* for Radiator Cooling Fans



DPG Part#	OEM Part#	Description
22070401	22070401	20 hp, 480 V AC 60 Hz, 6 pole
22089691	22089691	24/3 hp, 200/200 V AC 120/120 Hz, 8/16 pole
2805713	2805713	37.5/4.4 hp, 480/480 V AC 60/60 Hz, 4/8 pole
3176597	3176597	46 hp, 200 V AC 120 Hz, 8 pole
2802795	2802795	46 hp, 200 V AC 120 Hz, 8 pole
2802589	2802589	47 hp, 200 V AC 120 Hz, 8 pole

* includes shaft, bearings, and stator and coil

Blower Motors (Traction, Main Generator, E-Locker, Dust-Bin)



DPG Part#	OEM Part#	Description
2809510		10/10 hp, 218/422 V AC, 65.3/126.7 Hz, 2/4 pole
2809500		10/10 hp, 109/211 V AC, 65.3/126.7 Hz, 2/4 pole
2809370		10 hp, 400 V AC, 120 Hz, 4 pole
2810500		10 hp, 200 V AC, 120 Hz, 4 pole
I6338		10/10 hp, 100/200 V AC, 60/127 Hz, 2/4 pole
2808301		14/14 hp, 200/422 V AC, 60/127 Hz, 2/4 pole
2809360		19/14 hp, 244/445 V AC, 73.3/133.3 Hz, 2/4 pole
2809310		19/19 hp, 218/422 V AC, 65.3/126.7 Hz, 2/4 pole
2810100		21 hp, 422 V AC, 126.7 Hz INV, 4 pole, inverter duty
2809350		22 hp, 445 V AC, 133.3 Hz, 4 pole
2809706		25 hp, 200 V AC, 120 Hz, 4 pole
2807440		25 hp, 200 V AC, 120 Hz, 4 pole
2809985		25 hp, 400 V AC, 120 Hz, 4 pole
2809340		28 hp, 445 V AC, 133.3 Hz, 4 pole
2809770		31 hp, 165 V AC, 90 Hz, 4 pole
2809330		34 hp, 422 V AC, 126.7 Hz, 4 pole
2809191		35 hp, 422 V AC, 60 Hz, 4 pole
I6307--R	22109571	40/5 hp, 200/200 V AC, 120/120 Hz, 4/8 pole
I6322		45 hp, 489 V AC 146.7 Hz, 4 pole
2810050		46 hp, 422 V AC, Inv. 4 pole
2809320		46 hp, 445 V AC, 133.3 Hz, 4 pole
2811050		100 hp, 460 V AC, 137 Hz, 4 pole
2808851	40116929	46/5.8 hp, 422/422 V AC, 126.7/126.7 Hz, 4/8 pole
2809051		21/2.64 hp, 422/422 V AC, 126.7/126.7 Hz, 4/8 pole
2809151	40123422	39/4.9 hp, 422/422 V AC, 126.7/126.7 Hz, 4/8 pole
2809201		34/4.3 hp, 422/422 V AC, 126.7/126.7 Hz, 4/8 pole
2808660		21 hp, 422 V AC, 126.7 Hz, 4 pole, 3775 RPM

Inertial Filter Motors



DPG Part#	OEM Part#	Description
I4747	22070290	7.5 hp, 200 V AC, 120 Hz, 4 pole
414737	2803226	10 hp, 200 V AC, 120 Hz, 4 pole
I4747M1	2804094	7.5 hp, 200 V AC, 120 Hz 4 pole, plug c. box