



DAYTON  
PHOENIX  
GROUP



## fans & fan assemblies

### 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 fans and fan assemblies keep you moving.

Dayton-Phoenix Grid Cooling Fans with Motors, 48, 52 and 54-inch Radiator Cooling Fans, HEP Radiator Cooling Fans, and Grid Cooling Motors are all about performance with features such as:

- Exceptionally rugged performance that meets railroad and NEMA standards. Result: outstanding reliability and durability.
- Dynamic 2-plane balance and virtually vibration-free operation. Result: a positive mounting surface to assist proper piloting and reduce vibration and wear.
- Refined grid blower motor and fan assembly technology. Result: proven reliability with superior performance.
- A line of new motors ranging from 20-105hp, 200-682 V and 60-133 Hz. Result: a wide selection to meet most all cooling needs.
- In-house, manual motor sub-assembly manufacturing to close dimensional tolerances and quality control, with commutators custom-built to your particular motor's specifications. Result: the fan you want and need to solve your unique cooling problems.
- Engineered to meet and exceed OEM maintenance overhaul schedules.

fans



## fans &amp; fan assemblies



## Complete Grid Cooling Fans with Motor

DPG Part#	OEM Part#	Description
2804505	9518888	48in., 10 blade, 18 hp, 125 V DC, 1250 rpm
2810180	9507769	48in., 10 blade low profile, 18 hp, 125 V DC, 1250 rpm
2805049	9518890	48in., 10 blade, 36 hp, 300 V DC, 1650 rpm
2809805		54in., 12 blade-6 long 6 short, 100hp, 450 VDC, 2000 rpm
2808505		54in., 12 blade-8 long 4 short, 100hp, 450 VDC, 2000 rpm
2805832	8388333	guard for nonquiet 48 in. fans

## 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

## 36 in. Radiator Cooling Fans

DPG Part#	OEM Part#	Description
14499		12 hp, 149 V AC, 106.6 Hz, 6 pole
2810240		17.5 hp, 220 V AC, 120 Hz, 8 pole

## 48 in. HEP Radiator Cooling Fans

DPG Part#	OEM Part#	Description
2809096		8 blade, 20 hp, 480 V AC, 60 Hz, 6 pole
2809745		9 blade, 20 hp, 480 V AC, 60 Hz, 6 pole
2808863		9 blade, 46 hp, 480 V AC, 60 Hz, 6 pole
2804503	40004192	12 blade, 20 hp, 480 V AC, 60 Hz, 6 pole
2809640		12 blade, 20 hp, 575 V AC, 60 Hz, 6 pole



## 48 in. Radiator Cooling Fans

DPG Part#	OEM Part#	Description
2809630		4 blade, 47 hp, 215 V AC, 126.7 Hz, 8 pole
2808200	40037007	5 blade, 24/3 hp, 200/200 V AC, 120/120 Hz, 8/16 pole
2811200	9528718	6 blade, 46 hp, 200 V AC, 120 Hz, 8 pole
2809096		8 blade, 20 hp, 480 V AC, 60 Hz, 6 pole
2809030	9576052	8 blade, 24/3 hp, 200/200 V AC, 120/120 Hz, 8/16 pole
S2805871	8310416	8 blade, 46 hp, 200 V AC, 120 Hz, 8 pole
2810310		8 blade, 46 hp, 400 V AC, 120 Hz, 8 pole
2808290	9517833	8 blade, 47 hp, 215 V AC, 126.7 Hz, 8 pole
2810630	8310416	8 blade, 37.5/4.4 hp, 480/480 V AC, 60/60 Hz, 4/8 pole
2808863		9 blade, 40 hp, 480 V AC, 60 Hz, 4 pole
S2806031	8379212	9 blade, 46 hp, 215 V AC, 126.7 Hz, 8 pole
2809970		9 blade, 46 hp, 400 V AC, 120 Hz, 8 pole
2804500	9522997	9 blade, 47 hp, 215 V AC, 126.7 Hz, 8 pole
2810640		9 blade, 37.5/4.4 hp, 480/480 V AC, 60/60 Hz, 4/8 pole
2805832	8388333	guard for nonquiet 48 in. fans

## 52 in. Radiator Cooling Fans

DPG Part#	OEM Part#	Description
2809740		8 blade, 60 hp, 200 V AC, 120 Hz, 8 pole
2811020		8 blade, 60/7.5 hp, 200/200 V AC, 120/120 Hz, 8/16 pole
2807788	10632019	8 blade, 60/7.5 hp, 200/200 V AC, 120/120 Hz, 8/16 pole
2809440		8 blade, 87 hp, 402 V AC, 105 Hz, 6 pole
2809460		8 blade, 87 hp, 682 V AC, 105 Hz, 6 pole, inverter duty



## 54 in. Radiator Cooling Fans

DPG Part#	OEM Part#	Description
2808100		11 blade, 60 hp, 200 V AC, 120 Hz, 8 pole
2808770	40152075	11 blade, 65/8.1 hp, 211/211 V AC, 126.7/126.7 Hz, 8/16 pole
2808960		11 blade, 80 hp, 445 V AC, 8 pole, inverter duty
2807420	40150288	11 blade, 80/10 hp, 445/445 V AC, 133.3/133.3 Hz, 8/16 pole
2807500	40156472	11 blade, 80/10 hp, 445/445 V AC, 133.3/133.3 Hz, 8/16 pole
2808880		11 blade, 80/10 hp, 445/445 V AC, 133.3/133.3 Hz, 8/16 pole



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## full line provider

We design, manufacture and service an extensive line of world-class components for major systems of the modern locomotive—thousands of individual models for everything from cab comfort to engine protection—each one engineered to keep your business moving forward.