

Variable Speed DC Drives For Industrial Applications

ELECTRICAL fact sheet



The Dayton DC drive line has been updated to improve performance and ease of use. New circuits provide better speed regulation over a wider range of operation. Feature enhancements allow the user to configure their drive to meet specific application requirements. Critical dimensions have been retained to ensure drop-in replacement and support of legacy installations. Most units offer auto-sensing dual voltage (120 / 240 VAC) source power and 1% speed regulation. Increase productivity and reliability with Dayton DC drives.



Fractional HP DC Drives

For use with DC permanent magnet and shunt wound motors 1/50 to 1/3HP. Typical applications include conveyors, pumps, medical devices, tools, and material handling.

SKU NO.	INPUT VAC	OUTPUT VDC	HP	CONNECTION	FILTERED OUTPUT
4Z827	120 / 240	90 / 180	1/50 - 1/3	1/4" male spade	No
4Z527	120 / 240	90 / 180	1/50 - 1/3	1/4" male spade	No
5X412*	120	90	1/50 - 1/6	1/4" male spade	Yes

* 5X412 also replaces 4Z828



DC Motor and Drive Assemblies

Permanent magnet TEFC DC motor, 56C frame with integrated DC Drive. AC power and motor armature cords included.

SKU NO.	INPUT VAC	OUTPUT VDC	HP	BASE SPEED	MOTOR SPECIFICATIONS
4Z248	120 VAC	90 VDC	1/4	1725 RPM	DPCM TEFC 56C with BASE
1F800	120 VAC	90 VDC	1/2	1725 RPM	DPCM TEFC 56C with BASE
1F796	120 VAC	90 VDC	3/4	1725 RPM	DPCM TEFC 56C with BASE
2Z846	120 VAC	90 VDC	3/4	2500 RPM	DPCM TEFC 56C with BASE
1F798	120 VAC	90 VDC	1	1725 RPM	DPCM TEFC 56C with BASE
4Z226	240 VAC	180 VDC	1.5	2500 RPM	DPCM TEFC 56C with BASE



NEMA 4/12 DC Drives

For use with DC permanent magnet and shunt wound motors 1/50 to 2 HP. NEMA 4/12 enclosed models. For food and clean industry applications; pumps and other outdoor installations.

SKU NO.	INPUT VAC	OUTPUT VDC	HP	FEATURES
6X165	120 / 240	90 / 180	1/50 - 1/4	FWD/REV; dynamic brake
2M171	120 / 240	90 / 180	1/8 - 2	FWD/REV; dynamic brake
1F794*	120 / 240	90 / 180	1/8 - 2	FWD/REV; dynamic brake; White enclosure
4Z829	120 / 240	90 / 180	1/8 - 2	FWD/REV; dynamic brake; Isolated 4-20mA and 0-10 Vdc follower input
5X485**	120 / 240	90 / 180	1/8 - 2	Stop / Start

* 1F794 also replaces 1F792

** 5X485 also replaces 4Z377



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