

Danfoss V-Series orbital motors

Efficient power delivery gets your job done. Danfoss **V-Series orbital motors** for medium-duty work functions

Reliable performance is the last thing you want to compromise when optimizing the lifecycle cost of the hydraulic system on your machine. At Danfoss, we don't even want you to think about compromising. With our V-Series orbital motors, there's no need to.

Both the VMP and VMR motors in the V-Series are based on the same Danfoss design principles as all the other well-regarded orbital motors in our portfolio. Tailored to medium-duty tasks, they provide the efficient power delivery you expect for a wide range of applications – smoothly and consistently throughout your machine's lifetime. V-Series is your cost effective solution for less demanding functions on your machine.

The V-Series integrates perfectly with our other hydraulic components and electronic solutions in a complete Danfoss hydraulic system. Backed, as always, by our global support.

**The cost
effective**
solution for
reliable
performance



V-Series features & benefits

- Proven three-chamber design based on 50+ years of Danfoss design experience for efficient, robust and reliable performance
- Options designed to SAE standards include a compact C-style mounting flange and two shafts: a 6B spline and Woodruff key
- High-pressure shaft seal fitted as standard, often eliminating the need to connect a drain line from the tank, generates minimum number of parts and fittings for minimum installation and service costs

V-Series application examples



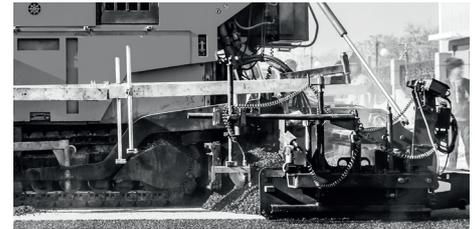
Agriculture

- Combine harvester reel and fan
- Seeder blower
- Baler conveyor and wrapper
- Sprayer pump drive
- Grain auger drive



Material handling & specialty

- Sweeper brush rotation
- Salt conveyor and spreader
- Winch drive
- Conveyor drive
- Crane/aerial lift slewing function



Construction

- Small road roller propel
- Asphalt sprayer bitumen pump drive
- Gearbox aerial lift
- Worm gear aerial lift

Product data

	VMP	VMR
Displacement range	50, 80, 100, 125, 160, 200, 250 and 315cc	80, 100, 125, 160, 200, 250 and 315cc
Max intermit pressure drop	140 bar / 2030 psi	165 bar / 2395 psi
Max intermit inlet pressure	160 bar / 2320 psi	185 bar / 2695 psi
Max intermit flow	75 l/min / 37 gal/min	75 l/min / 37 gal/min
Bearing capacity:	< 4600 N / <1034 lbf.	< 4600 N / <1034 lbf.

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