



Product Data Sheet

Vertical A.C. Motors TEFC & Explosionproof Solid Shaft In Line Pump



- **Totally Enclosed & Explosionproof**
- **In-Line “P” base**
- **For use on centrifugal and non-clog pumps**
- **3-150 HP, 3600 rpm, 230/460 & 575 volt**
3-150 HP, 1800 rpm, 230/460 & 575 volt
3-175 HP, 1200 rpm, 230/460 & 575 volt
- **Explosionproof meets UL Class 1 Group D**



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Product Overview

The Solid Shaft In-Line Vertical Motor is available in a totally enclosed or explosionproof enclosure. The main application is booster pumps, and this product also is used for centrifugal and non-clog pumps.

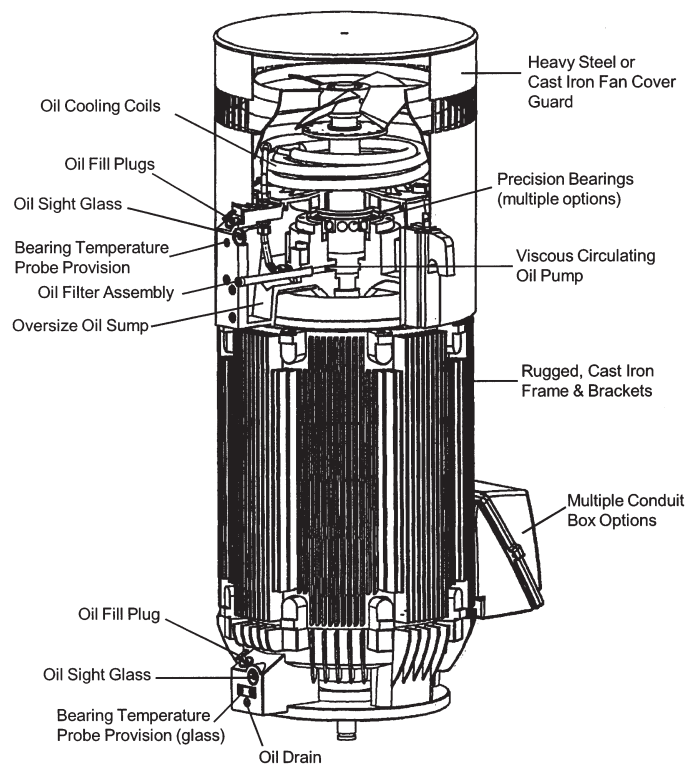
Our In-Line Solid Shaft Vertical Motors are designed with a 1.0 service factor and 40°C ambient conditions. NEMA Design B is standard and the motor is designed for continuous up and down thrust. The thrust bearing is located in the lower bearing for the in-line products, types TV9, LV9 and NV9, allowing for thermal expansion of the shaft without causing interference between the pump impeller and the bowl.

All three of our efficiency levels are available on the In-Line product - standard efficient, energy efficient and premium efficient. Our approach to energy efficiency for vertical motors is a simple one: let the customer choose the level of motor efficiency that best suits the needs of his application.

The totally enclosed fan cooled (TEFC) motor design breathes the outside air, but does not have a free exchange of air between the external environment and the internal motor components. Heat generated by the motor is dissipated when the external fan forces cool air over the surface of the frame and end brackets.

The explosionproof motor is totally enclosed motor designed to withstand an explosion of specified gas or vapor inside the motor casing that prevents the ignition outside the motor by sparks, flashing or explosion. Our explosionproof motors are UL approved for Class 1 Group D Temp Code T2B, which includes liquids and vapors as defined by NFPA and NEC. These motors are designed such that surface temperatures for all conditions, including overload, locked rotor, single

Typical TITAN Solid Shaft Construction Features



phasing, and burnout, are limited by the required ignition temperatures.



Product Features

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3600 RPM

HP	LIST PRICE	FRAME	TYPE	VOLTS	DOWN THRUST (LBS.)	APPROX. WEIGHT (BS.)	BASE DIA (IN.)
3	\$742	182LP	TV-9	230/460	390	164	10
	\$982	182LP	LV-9	230/460	390	164	10
5	\$1040	184LP	TV-9	230/460	500	200	10
	\$1310	184LP	LV-9	230/460	500	200	10
7-1/2	\$1290	213LP	TV-9	230/460	580	308	10
10	\$1404	215LP	TV-9	230/460	640	361	10
15	\$1618	254LP	TV-9	230/460	740	381	10
	\$1968	254LP	LV-9	230/460	740	381	10
20	\$1770	256LP	TV-9	230/460	840	410	10
	\$2410	256LP	LV-9	230/460	840	410	10
25	\$1870	284LP	TV-9	230/460	900	622	10
	\$2870	284LP	LV-9	230/460	900	622	10
30	\$2064	286LP	TV-9	230/460	960	640	10
	\$3064	286LP	LV-9	230/460	960	640	10
40	\$2906	324LP	TV-9	230/460	1040	885	16-1/2
	\$4266	324LP	LV-9	230/460	1040	885	16-1/2
50	\$3352	326LP	TV-9	230/460	1080	910	16-1/2
	\$4712	326LP	LV-9	230/460	1080	910	16-1/2
60	\$4284	364LP	TV-9	230/460	1130	1195	16-1/2
75	\$5352	365LP	TV-9	230/460	1190	1470	16-1/2



1800 RPM

HP	LIST PRICE	FRAME	TYPE	VOLTS	DOWN THRUST (LBS.)	APPROX. WEIGHT (BS.)	BASE DIA (IN.)
3	\$650	182LP	TV-9	230/460	390	164	10
	\$920	182LP	LV-9	230/460	390	164	10
5	\$910	184LP	TV-9	230/460	500	200	10
	\$1180	184LP	LV-9	230/460	500	200	10
7-1/2	\$1248	213LP	TV-9	230/460	580	308	10
10	\$1404	215LP	TV-9	230/460	640	361	10
15	\$1678	254LP	TV-9	230/460	740	381	10
	\$2318	254LP	LV-9	230/460	740	381	10
20	\$1912	256LP	TV-9	230/460	840	410	10
	\$2552	256LP	LV-9	230/460	840	410	10
25	\$2132	284LP	TV-9	230/460	900	622	10
	\$3132	284LP	LV-9	230/460	900	622	10
30	\$2398	286LP	TV-9	230/460	960	640	10
	\$3398	286LP	LV-9	230/460	960	640	10
40	\$2710	324LP	TV-9	230/460	1040	885	16-1/2
	\$4070	324LP	LV-9	230/460	1040	885	16-1/2

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