



Randolph Austin Company
P.O. Box 988
Manchaca, Texas 78652

Toll Free: 1.800.531.5263
Phone: 512.282.1590
Fax: 512.280.0678
Web: www.randolphaustin.com

600 SERIES Assemblies

Max Flow Rate: 3.4 GPM (12.9 LPM)

610-PHO: Pump Head Only

The 610-PHO is machined from an aluminum casting and has a stainless steel plate and shaft as well as stainless sleeved roller assembly. The pump is rugged, reliable, and easy-to-use.

610-100: Standard Fixed-Speed Pump

The 610-100 is belt-driven pump assembly. The 610 pump head comes mounted on a steel base with a 1/4 HP, 115 VAC, 60 HZ, 1 PH, O.D.P. motor with a belt & sheave to reduce the speed to the pump head. The 610-100 is an excellent choice for fixed speed applications.

610-101: Zero-Max™ Speed Control Pump

The 610-101 is a direct drive unit with a manual speed control providing a speed regulation from 0-400 RPM. This assembly comes with a pump head, Zero-Max speed control, and a 1/4 HP, 115 VAC, 60 HZ, 1 PH, O.D.P. motor mounted on a steel base. The 610-101 is a cost-effective substitute for AC or DC speed controls.

610-103: Zero-Max Reversible Speed Control Pump

The 610-103 is a direct drive unit with a Zero-Max reversible speed control that provides a speed regulation from 0-400 RPM in either a clockwise or counterclockwise rotation. The 610-103 provides a cost-effective substitute for AC or DC speed controls and is used for metering, printing, and other industrial applications.

610-200: Explosion-Proof Fixed Speed Pump

The 610-200 is a belt-driven unit with a 1/3 HP, 1 PH, 60/50 HZ, 115/208-230 Volt, Class I, Group D, gasoline vapor atmosphere explosion-proof motor. The pump and motor are mounted on a steel base and connected through a belt & sheave which runs at a constant 430 RPM. The 610-200 is an excellent choice for fluid transfer applications where explosive vapors are present.

610-201: Explosion-Proof Speed Control Pump

The 610-201 is a direct drive unit with a manual speed control that provides a speed regulation from 0-400 RPM. This assembly comes with a pump head, Zero-Max speed control, and a Class I, Group D, gasoline vapor atmosphere explosion-proof motor.

The 610-201 provides a cost-effective substitute for AC or DC speed controls and is used for metering, printing, and fluid transfer.

610-203: Zero-Max Reversible Explosion-Proof Speed Control Pump

The 610-203 is a direct drive unit with a Zero-Max reversible speed control. This assembly comes with a Class I, Group D, gasoline vapor atmosphere explosion-proof motor and is a cost-effective substitute for AC or DC speed control units.

610-332, 610-352, & 610-362: Vari-Flow™ DC Speed Control Pumps

The 610-332, 610-352, and 610-362 are DC speed control models. The pumps are mounted on a steel base and coupled to a 1/4 HP, geared, IPC-44, 130 VDC, PM motor. Each unit comes with a speed control in a Nema IV enclosure. The controls accept a 4-20 MA or 0-10 VDC signal and have forward/brake/reverse capability. Vari-Flow assemblies are used in applications where precise speed regulation is needed and with systems that require a remote signal for motor or flow control.

610-450: Air Drive Pump

The 610-450 is an assembly consisting of a pump and air motor mounted on a steel base. The air motor is intended for safe use in applications where there may be explosive vapors or powders present.

Tube Sizes: The 600-PHO uses two interchangeable sizes of tubing: 3/8" I.D. x 5/8" O.D. or 1/2" I.D. x 3/4" O.D.

Applications: Paper & pulp, laboratory, sampling, bilge, ink, and fluid transfer.

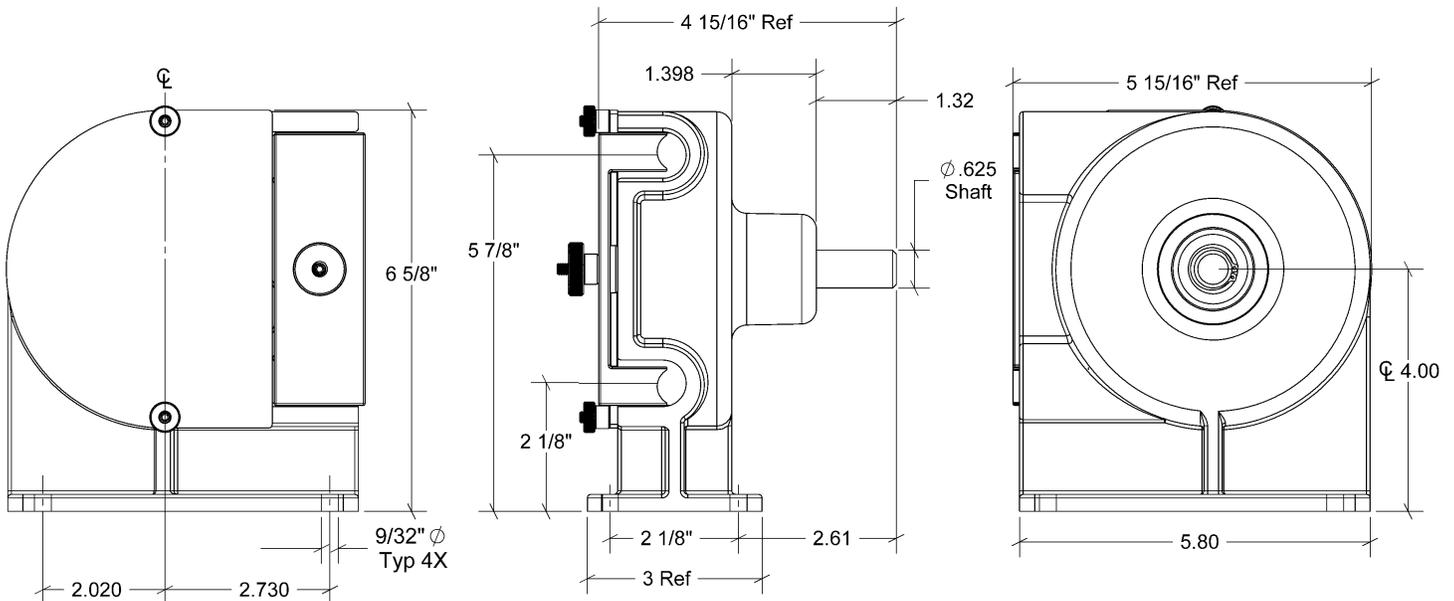
Custom assemblies are available upon request. For a quotation please contact our sales office.



600 SERIES Specifications

Catalog Part #	Description	Motor	Power	RPM	Wt	L x W x H
610-PHO	Pump Head Only	—	—	—	8 lbs	5 1/8" x 5 7/8" x 6 5/8"
610-100	Belt Drive, Standard Assembly	1/4 HP, O.D.P	115 VAC, 1 PH, 60 HZ	430	30 lbs	16 1/2" x 10" x 8 13/16"
610-101	Speed Reducer, Mechanical	1/4 HP, O.D.P	115 VAC, 1 PH, 60 HZ	0-400	40 lbs	22 3/8" x 11 1/4" x 8 1/2"
610-103	Speed Reducer, Dual Direction, Mechanical	1/4 HP, O.D.P	115 VAC, 1 PH, 60 HZ	0-400	42 lbs	22 3/8" x 11 1/4" x 8 1/2"
610-200	Belt Drive, Explosion-Proof	1/3 HP, Class I, Group D, gasoline vapor atmosphere	115/208-232 VAC, 1 PH, 50/60 HZ	430	70 lbs	16 1/2" x 10" x 8 13/16"
610-201	Speed Reducer, Mechanical, Explosion-Proof	1/3 HP, Class I, Group D, gasoline vapor atmosphere	115/208-232 VAC, 1 PH, 50/60 HZ	0-400	75 lbs	28" x 12 1/2" x 9"
610-203	Speed Reducer, Dual Direction, Mechanical, Explosion-Proof	1/3 HP, Class I, Group D, gasoline vapor atmosphere	115/208-232 VAC, 1 PH, 50/60 HZ	0-400	77 lbs	28" x 12 1/2" x 9"
610-332	DC Speed Control Assembly	1/4 HP, 130 VDC, PM, IPC-44	115/230 VAC, 1 PH, 50/60 HZ	3-125	40 lbs	20" x 15 1/2" x 8 1/2"
610-352	DC Speed Control Assembly	1/4 HP, 130 VDC, PM, IPC-44	115/230 VAC, 1 PH, 50/60 HZ	6-250	40 lbs	20" x 15 1/2" x 8 1/2"
610-362	DC Speed Control Assembly	1/4 HP, 130 VDC, PM, IPC-44	115/230 VAC, 1 PH, 50/60 HZ	12-500	40 lbs	20" x 15 1/2" x 8 1/2"
610-450	Air Motor	1/4 HP, 4 vane, Reversible 15:1 Geared motor	90 PSIG @ 21 CFM	20-500	20 lbs	16" x 9 1/2" x 10 7/8"

600 SERIES CAD Drawing



* Zero-Max is a Trademark of Zero-Max Inc.

** Vari-Flow is a Trademark of Randolph Austin Company

