

30 Horsepower Automatic-Flow Vacuum Unit with Reversible-Flow Tank

RS-AFRV-30-607-FL518



Service Requirements (Power to Unit)

Vacuum Pump Motor	480 Volt / 3 Phase / 80A Breaker
Feed Tube:	480 Volt / 3 Phase / 80A Breaker

Vacuum Pump (performance at 1250 RPM Max Speed)

Make / Model	NVE Challenger 607
Porting Size Flanged NPT	3"
Maximum Air Flow - CFM	357
Maximum Intermittent Vacuum	28" hg
Maximum Intermittent Pressure	30 psi
Air Flow - CFM Free Air	290
Air Flow - CFM 60% Vacuum	Approximately 18" hg
Maximum Vacuum	27" hg
Maximum Absolute Pressure	20 psi
Weight	397 lb.
Oil Consumption (ounces per hour)	12 - 15
Oil Reservoir Capacity	5 qt.
Sound level at 60% vac. 7 m, dist - db(A) - with Silencer	84

The maximum allowable operating vacuum will vary, depending on RPM, ambient temperature, altitude, and running time. The higher the speed, altitude, and run time, the hotter the pump will run. An average speed of 1250 RPM will usually keep the pump from overheating; however, any speed is fine as long as the pump temperature does not exceed 375 °F.

Suction Size	(3) 3" w/ Check Valve
Suction Size	(2) 2" w/ Check Valve
Discharge	(2) 4"
Suction (INHG)	Up To 27"
Discharge	Up to 29 Intermittent 331
CFM @ 1100 RPM	(Varies On Distance)
Oil Cooled/Lubricated Lubricant	ISO 68 Turbine Oil
Pump	Challenger 607
Motor	30Hp XP
High level shut down	LS200 Float
Oil Reservoir Low level shut	LS200 Float
Secondary High Level Shut Down	LS200 Float
Weight (lb.)	6500
Oil Reservoir	10 Gallons