

Taking Lincoln's Pump Performance and Dependability In A Totally New Direction

The fully integrated P653S pump is an example of Lincoln's commitment to providing innovative, cost-effective solutions through industry-leading advances in technology. This next-generation, lower-cost pump package can be fitted with one of four reservoir sizes and easily adapts to many applications.

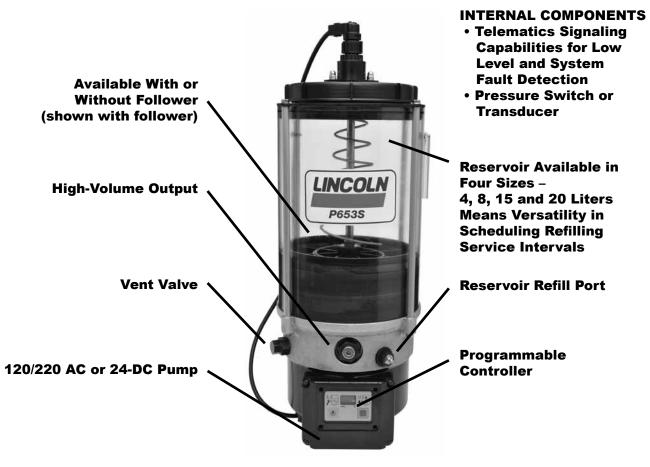


P653S Pump Features

- Integrated pump supplies lubricant to a single line parallel lubrication system
- Pumps low- and high-viscosity greases including industry standard NLGI grade 2 grease
- · Easily interfaces with telematics technology in today's heavy equipment
- Operating temperature range from -40°F to +158°F (-40°C to +70°C) VDC or 32°F to 122°F (0°C to 50°C) VAC*
- Neutral switch allows mobile equipment to remain idling with pump power on but the timer is deactivated allowing manual lubrication functionality.

Benefits

- · Integration of major system components reduces labor and overall costs
- Simplifies lubrication system design
- Installation time is reduced due to the "plug-and-play" pump design. Simply mount the pump, connect power and the supply lines and the system is ready for operation.
- Neutral switch ensures lubrication only when the machine is operating eliminating wasted grease.
 - * Appropriate greases apply







P653S Pump Specifications

Electrical data	DC Pumps	AC Pumps			
Incoming voltage:	19 to 31 VDC	100 to 240 VAC			
Maximum current:	10 amps	1.7 amps			
Frequency:	_	47 to 63 hz			
Operating temperature:	-40°F to +158°F	32°F to 122°F			
	(-40°C to +70°C)	(0°C to 50°C)			
Common Electrical Data fo	or DC and AC Pumps	5			
Minimum pause time:	4 min.				
Maximum pause time:	59 hrs. 59 min.				
Pause time increments:	1 hr. or 1 min.				
Maximum pumping time:	12 min.				
Pump P653S Operating pressure with:					
Pressure switch:	3,500 psig (240 bar)				
Pressure transducer (adj.):	1,400 to 4,600 psig (96 to 317 bar)				
End of line pressure switch					
and transducer setting:	2,500 psig (172 bar)				
Number of outlets:	1				
Output:	1.5 in3/min (24.6 cm3/min)				
Pump Elements Piston diameter:	7 mm				
Number of pumping elements					
(connected together):	3				

Available Pump Models

NOTE: All models are designed for grease and include stirring paddle and low-level detection. Pumps include remote signaling cable, relief valve, electrical connectors and external pressure switch or transducer (as indicated for each model).

Part No.	24 VDC	120/230 VAC 50/60 Hz	Reservoir Size (L)	Follower Plate	Internal Pressure Switch	Internal Pressure Transducer	Internal & End- of-Line Pressure Switch	Internal & End- of-Line Pressure Transducer
80086	Х		4		Х			
80087	Х		4			Х		
80105	Х		4				Х	
80106	Х		4					Х
80076	Х		4	Х	Х			
80077	Х		4	Х		Х		
80109	Х		4	Х			Х	
80110	Х		4	Х				Х
80090	Х		8		Х			
80091	Х		8			Х		
80107	Х		8				Х	
80108	Х		8					Х
80080	Х		8	Х	Х			
80081	Х		8	Х		Х		
80111	Х		8	Х			Х	
80112	Х		8	Х				Х
80082		Х	4		Х			
80083		Х	4			Х		
80084		Х	4				Х	
80085		Х	4					Х
80072		Х	4	Х	Х			
80073		Х	4	Х		Х		
80074		Х	4	Х			Х	
80075		Х	4	Х				Х
80088		Х	8		Х			
80089		Х	8			Х		
80078		Х	8	Х	Х			
80079		Х	8	Х		Х		