



Data Sheet

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DS-5010	05/30/03	03/28/12

WATEROUS PB18 SERIES PORTABLE PUMPS

DESCRIPTION: SINGLE STAGE CENTRIFUGAL PORTABLE PUMP POWERED BY A BRIGGS & STRATTON 18 HP V-TWIN VANGUARD ENGINE WITH NEW STYLE WRAP-AROUND BASE AND INSTRUMENT PANEL

PB18 SERIES PUMPS ARE AVAILABLE IN TWO BASIC MODELS:

- ▣ PB18: Direct Drive
- ▣ PB18-G: Gear Drive

Refer to sales spec sheets in this section of the Engineering Manual for performance data.

PB18 PUMPS ARE AVAILABLE AS FOLLOWS:

Table 1. PB18 Series Pumps

Pump Series	Drive	Cap	Disch Press	Pump Model	Intake	Discharge	Instrument Panel (1)	Base (2)	Mast Light	Exhaust Primer	Fuel Tank (3)	Ass'y No.	Dim Dwg			
PB18	Direct	190 gpm	145 psi	PB18- 2515B	2-1/2 in. NPT	Right Facing Ball Valve with 1-1/2 in. NH Adapter	With (Standard)	Wrap Around	Yes	Yes	Yes	82944-1	DPL 82946			
									No	Yes	Yes	82944-2				
								Rail	N/A	Yes	Yes	82944-3				
										No	Yes	82944-19				
									No	Yes	Yes	82944-20				
										No	Yes	82944-21				
								No Base	N/A	Yes	Yes	82944-22				
										No	Yes	82944-23				
									No	Yes	Yes	82944-24				
										No	Yes	82944-25				
								2-1/2 in. BSP (Tapered Threads)	Right Facing Ball Valve with 1-1/2 in. NPT (F) Adapter	With (Standard)	Wrap Around	Yes		Yes	Yes	82944-4
												No		Yes	Yes	82944-5
					Rail	N/A	Yes				Yes	82944-6				
							No				Yes	82944-26				
						No	Yes				Yes	82944-27				
							No				Yes	82944-28				
					No Base	N/A	Yes				Yes	82944-29				
							No				Yes	82944-30				
						No	Yes				Yes	82944-31				
							No				Yes	82944-32				
					2-1/2 in. BSP (Tapered Threads)	Right Facing Ball Valve with 1-1/2 in. BSP (Tapered Threads) (F) Adapter	With (Standard)				Wrap Around	Yes		Yes	Yes	82944-64
												No		Yes	Yes	82944-65
								Rail	N/A	Yes	Yes	82944-66				
										No	Yes	82944-67				
No	Yes	Yes	82944-68													
	No	Yes	82944-69													
No Base	N/A	Yes	Yes	82944-70												
		No	Yes	82944-71												
No	Yes	Yes	82944-72													
	No	Yes	82944-73													

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Table 1. PB18 Series Pumps (Continued)

Pump Series	Drive	Cap	Disch Press	Pump Model	Intake	Discharge	Instrument Panel (1)	Base (2)	Mast Light	Exhaust Primer	Fuel Tank (3)	Ass'y No.	Dim Dwg						
PB18	Direct	190 gpm	145 psi	PB18-2515F	2-1/2 in. NPT	Right Facing 1-1/2 in. NPT (F) Adapter (No Ball Valve)	With (Standard)	Wrap Around	Yes	Yes	Yes	82944-7	DPL 82946						
									No	Yes	Yes	82944-8							
								Rail	N/A	Yes	Yes	82944-9							
											No	Yes		82944-33					
										No	Yes	82944-34							
											No	Yes		82944-35					
								No Base	N/A	Yes	Yes	82944-36							
											No	Yes		82944-37					
										No	Yes	82944-38							
											No	Yes		82944-39					
								350 gpm	118 psi	PB18-3030C	2-1/2 in. BSP (Tapered Threads)	Right Facing 1-1/2 in. BSP (Tapered Threads) (F) Adapter (No Ball Valve)		With (Standard)	Wrap Around	Yes	Yes	Yes	82944-74
																No	Yes	Yes	82944-75
		Rail	N/A	Yes	Yes	82944-76													
					No	Yes	82944-80												
				No	Yes	82944-81													
					No	Yes	82944-82												
		No Base	N/A	Yes	Yes	82944-83													
					No	Yes	82944-84												
				No	Yes	82944-85													
					No	Yes	82944-86												
		3 in. NPT	Right Facing Elbow with 3 in. NPT and Check Valve (No Auxiliary Tap)	With (Standard)	Wrap Around	Yes	Yes								Yes	82944-10			
						No	Yes								Yes	82944-11			
					Rail	N/A	Yes	Yes	82944-12										
								No	Yes	82944-40									
No	Yes						82944-41												
	No						Yes	82944-42											
No Base	N/A				Yes	Yes	82944-43												
						No	Yes	82944-44											
					No	Yes	82944-45												
						No	Yes	82944-46											
3 in. BSP (Tapered Threads)	Right Facing Elbow with 3 in. BSP (Tapered Threads) and Check Valve (No Auxiliary Tap)				With (Standard)	Wrap Around	Yes	Yes	Yes	82944-77									
							No	Yes	Yes	82944-78									
		Rail	N/A	Yes		Yes	82944-79												
						No	Yes	82944-87											
				No		Yes	82944-88												
						No	Yes	82944-89											
		No Base	N/A	Yes		Yes	82944-90												
						No	Yes	82944-91											
				No		Yes	82944-92												
						No	Yes	82944-93											

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Table 1. PB18 Series Pumps (Continued)

Pump Series	Drive	Cap	Disch Press	Pump Model	Intake	Discharge	Instrument Panel (1)	Base (2)	Mast Light	Exhaust Primer	Fuel Tank (3)	Ass'y No.	Dim Dwg					
PB18	Direct	350 gpm	118 psi	PB18-3030E	3 in. NPT	Front Facing Elbow with 3 in. NPT Tap (No Check Valve)	With (Standard)	Wrap Around	N/A	N/A	N/A	N/A (4)	DPL 82946					
								Rail	N/A	Yes	Yes	82944-15						
										No	No	82944-47						
								No Base	N/A	Yes	Yes	82944-48						
										No	No	82944-49						
								No Base	N/A	Yes	Yes	82944-50						
										No	No	82944-51						
								No Base	N/A	Yes	Yes	82944-52						
										No	No	82944-53						
								PB18-4025B	4 in. British Round Thread (BSRT)	Front Facing Elbow with 2-1/2 in. BIC Valve	With (Standard)	Wrap Around		N/A	N/A	N/A	N/A (4)	DPL 82946
												Rail		N/A	Yes	Yes	82944-94	
															No	No	82944-95	
				No Base	N/A	Yes	Yes					82944-96						
						No	No					82944-97						
				No Base	N/A	Yes	Yes					82944-98						
						No	No					82944-99						
				No Base	N/A	Yes	Yes					82944-100						
						No	No					82944-101						
				PB18-4025B	4 in. British Round Thread (BSRT)	Front Facing Elbow with 2-1/2 in. BIC Valve	With (Standard)					Wrap Around	Yes	Yes	Yes	82944-16	DPL 82946	
												Rail	N/A	No	Yes	82944-17		
														Yes	Yes	82944-18		
								No Base	N/A	No	No	82944-54						
										Yes	Yes	82944-55						
								No Base	N/A	No	No	82944-56						
Yes	Yes	82944-57																
No Base	N/A	No	No	82944-58														
		Yes	Yes	82944-59														
No Base	N/A	No	No	82944-60														
		Yes	Yes	82944-60														

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Table 1. PB18 Series Pumps (Continued)

Pump Series	Drive	Cap	Disch Press	Pump Model	Intake	Dis-charge	Instrument Panel (1)	Base (2)	Mast Light	Exhaust Primer	Fuel Tank (3)	Ass'y No.	Dim Dwg	
PB18-G	Gear	100 gpm	400 psi	PB18-G2015B	2 in. BSP (Straight Thread)	Right Facing Ball Valve with 1-1/2 in. BSP (Straight Thread) (F) Adapter	With (European Style)	Wrap Around	Yes	Yes	Yes	82945-42	DPL 82947	
									No	Yes	Yes	82945-43		
								Rail	N/A	Yes	Yes	82945-44		
										No	Yes	No		82945-45
								No Base	N/A	Yes	No	Yes		82945-46
											No	No		82945-47
								No Base	N/A	Yes	No	Yes		82945-48
											No	No		82945-49
				No Base	N/A	No	Yes	Yes	82945-50					
							No	No	82945-51					
				PB18-G2015F	2 in. BSP (Straight Thread)	Right Facing 1-1/2 in. BSP (Straight Thread) (F) Adapter	With (European Style)	Wrap Around	Yes	Yes	Yes	82945-52		
									No	Yes	Yes	82945-53		
								Rail	N/A	Yes	Yes	Yes		82945-54
										No	Yes	No		82945-55
								No Base	N/A	Yes	No	Yes		82945-56
											No	No		82945-57
No Base	N/A	Yes	No					Yes	82945-58					
			No					No	82945-59					
No Base	N/A	No	Yes	Yes	82945-60									
			No	No	82945-61									

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Notes:

1. Instrument panel included with all models. European style instrument panel has a different intake gauge more common to the European market.
2. All models with Wrap-Around frames are CE marked.
3. Fuel tank required for pumps used in the USA and Canada. See item 5 below.
4. PB18-3030E pump models are not available with Wrap-Around frame due to insufficient clearance between the pump discharge and frame.

SPECIFY A COMPLETE PUMP AS FOLLOWS:

1. Pump Model

Direct Drive	Gear Drive
PB18-2515B	PB18-G2015B
PB18-2515F	PB18-G2015F
PB18-3030C	-
PB18-3030E	
PB18-4025B	

2. Type of Base (See Notes 2 and 4)

Available for Use in U.S.A	Available for Use Outside U.S.A
Rail	Rail
No Base	No Base
-	Wrap-Around

3. Mast Light

Rail and No Base	Wrap-Around Base
Not Available	With or Without

4. Exhaust Primer

With or Without

5. Fuel Tank

Available for Use in U.S.A. and Canada		Available for Use Outside U.S.A. and Canada	
Base	Fuel Tank	Base	Fuel Tank
Rail	Remote mounted 3 gallon (11 liter) with fuel gauge furnished with each pump	Rail	Optional remote mounted 3 gallon (11 liter) with fuel gauge
No Base		No Base	
		Wrap-Around	Integral 3 gallon (11 liter) with fuel gauge

6. Instrument Panel (See Note 1)

PB18 Direct Drive Models	PB18G Gear Drive Models
Standard Panel Only	Standard Panel
	European Style Panel

7. Assembly Number

See Table 1.

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8. Optional Threaded Adapters and Caps. Shipped Loose With Pump When Ordered

Item	Description	Part No.
Threaded Adapter	1-1/2 in. NPT (M) x 1-1/2 in. NH (M)	V 2260
	1-1/2 in. NH (F) x 2-1/2 in. NH (M)	V 2184
	2 in. NPT (M x 2 in. NH (M)	V 2259
	2-1/2 NPT (M) x 2-1/2 in. NH (M)	51105
	2-1/2 in. NPT (M) x 2-1/2 in. NH (M), Chrome Plated	51105-CR
	2-1/2 in. BSP (F) x 2-1/2 in. NPSH (M)	V 3034
	3 in. NPT (M) x 3 in. NH (M)	62251
	3 in. NPT (M) x 3 in. NPSH (M)	V 3033
	3 in. NPT (M) x 2-1/2 in. NPSH (M)	V 3071
	3 in. NPT (M) x 2-1/2 in. NH (M)	V 3053
Cap With Chain	1-1/2 in. NH Thread	V 2157
	2 in. NH Thread	V 2158
	2-1/2 in. NH Thread	V 2159
	3 in. NH Thread	V 2160
Discharge Wye With Ball Valves	2-1/2 in. NH (F) x 1-1/2 in. NH (M)	V 3032