

## Series 4600 Horizontal Split Case Pump

# 5 x 4 x 10L

## SUBMITTAL

JOB: \_\_\_\_\_ REPRESENTATIVE: \_\_\_\_\_

ENGINEER: \_\_\_\_\_ ORDER NO: \_\_\_\_\_ DATE: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_ SUBMITTED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

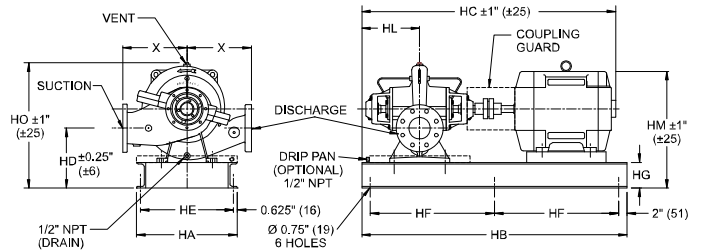
PUMP DESIGN DATA			
NO. OF PUMPS:	TAG:		
CAPACITY:	USgpm (L/s)	HEAD:	ft (m)
LIQUID:	VISCOSITY:		
TEMPERATURE:	°F (°C)	SPECIFIC GRAVITY:	

MOTOR DESIGN DATA	
HP:	RPM:
FRAME SIZE:	ENCLOSURE:
VOLTS:	HERTZ: 50 Hz PHASE:
EFFICIENCY: <input type="checkbox"/> Energy Efficient <input type="checkbox"/> NEMA Premium <input type="checkbox"/> Other _____	

MATERIALS OF CONSTRUCTION		
FLANGE RATING	<input type="checkbox"/> ANSI 125	<input type="checkbox"/> ANSI 250
CONSTRUCTION	<input type="checkbox"/> BRONZE ITTED <input type="checkbox"/> ALL IRON	<input type="checkbox"/> BRONZE ITTED <input type="checkbox"/> ALL IRON
CASING	CAST IRON	
IMPELLER	BRONZE	CAST IRON
FLUSH LINE	COPPER	STEEL
WEAR RINGS	BRONZE	CAST IRON
SHAFT	CARBON STEEL	
SHAFT SLEEVE	BRONZE	
GASKET	VELOTHERM (FIBER)	
MAX. PUMP OPERATING CONDITIONS	175 psi at 140°F (12 bars at 60°C)	300 psi at 150°F (21 bars at 66°C)
	140 psi at 250°F (10 bars at 121°C)	250 psi at 250°F (17 bars at 121°C)

MECHANICAL SEAL DESIGN DATA		
PUMP FLANGE RATING	<input type="checkbox"/> ANSI 125	<input type="checkbox"/> ANSI 250
SEAL TYPE	A21	ARO
STATIONARY SEAT	SILICON CARBIDE	CARBON
ROTATING FACE	CARBON	DURCHROME
SECONDARY SEAL	EPDM	VITON
SPRING	STAINLESS STEEL	
ROTATING HARDWARE	STAINLESS STEEL	
GLAND PLATE	BRONZE	

OPTIONAL EQUIPMENT



### IMPORTANT (PLEASE SELECT)

SUCTION SIDE REQUIREMENT
(Viewed from motor end)
<input type="checkbox"/> RIGHT HAND (ILLUSTRATED)
<input type="checkbox"/> LEFT HAND

FLANGE RATINGS	
SUCTION	DISCHARGE
<input type="checkbox"/> 125 psi	125 psi
<input type="checkbox"/> 125 psi	250 psi
<input type="checkbox"/> 250 psi	250 psi

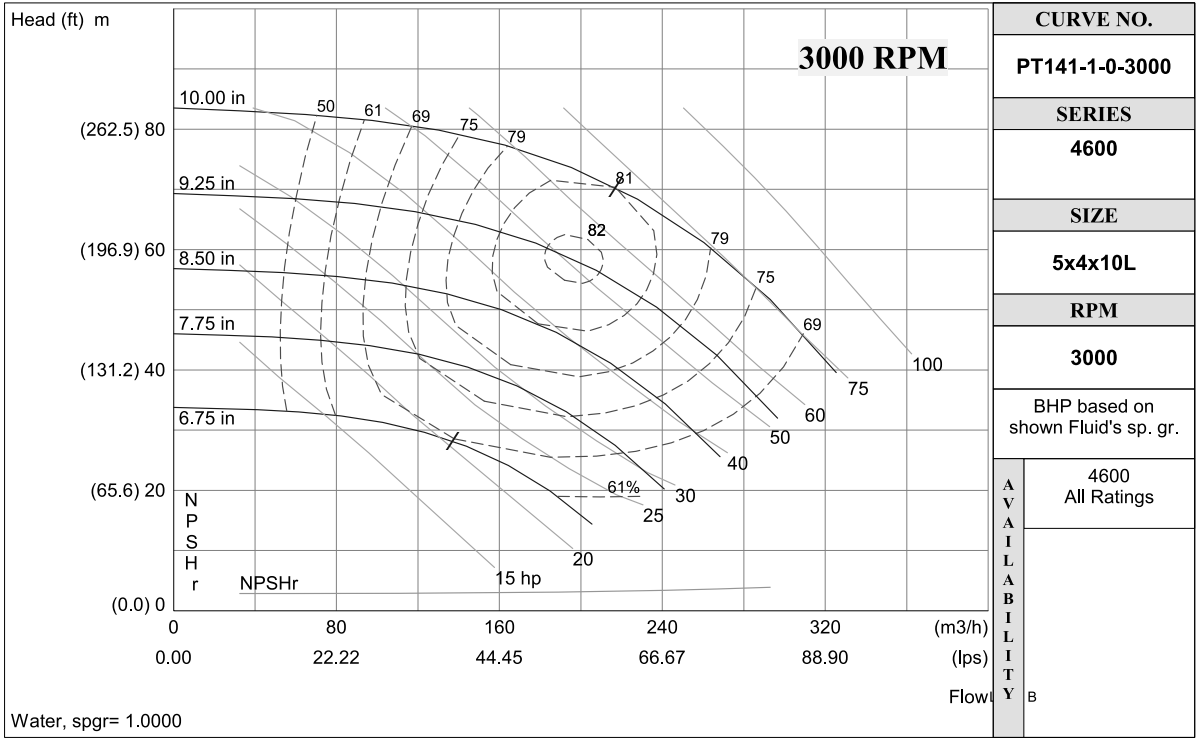
- TOLERANCE OF ±0.125" (±3 mm) SHOULD BE USED
- FOR EXACT INSTALLATION DATA PLEASE WRITE FACTORY FOR CERTIFIED DIMENSIONS

MOTOR FRAME	hp @ rpm		DIMENSIONS inches (mm)										WEIGHT lbs. (kg)									
	3000 ODP/TEFC	1500	HA	HB	HC (max)	HD	HE	HF	HG	HL	HM	HO	X	ODP	TEFC							
182T		3	16.00 (406)	45.00 (1143)	47.13 (1197)	9.50 (241)	14.75 (375)	41.00 (1041)	3.00 (76)	13.50 (343)	18.00 (457)	21.25 (540)	12.00 (305)	640 (290.9)	655 (297.7)							
184T		5		51.13 (1299)	54.88 (1394)						56.13 (1426)			57.63 (1464)	58.00 (1473)	57.94 (1472)	60.94 (1548)	61.00 (1549)	62.00 (1575)	66.00 (1676)	650 (295.5)	665 (302.3)
213T		7.5		54.00 (1372)	56.13 (1426)						57.63 (1464)			58.00 (1473)	57.94 (1472)	60.94 (1548)	61.00 (1549)	62.00 (1575)	66.00 (1676)	695 (315.9)	720 (327.3)	
215T		10		54.00 (1372)	56.13 (1426)						57.63 (1464)			58.00 (1473)	57.94 (1472)	60.94 (1548)	61.00 (1549)	62.00 (1575)	66.00 (1676)	705 (320.5)	730 (331.8)	
254T		15		54.00 (1372)	56.13 (1426)						57.63 (1464)			58.00 (1473)	57.94 (1472)	60.94 (1548)	61.00 (1549)	62.00 (1575)	66.00 (1676)	760 (345.5)	800 (363.6)	
256T	25/-			54.00 (1372)	56.13 (1426)						57.63 (1464)			58.00 (1473)	57.94 (1472)	60.94 (1548)	61.00 (1549)	62.00 (1575)	66.00 (1676)	780 (354.5)	830 (377.3)	
284TS	30/25			54.00 (1372)	56.13 (1426)						57.63 (1464)			58.00 (1473)	57.94 (1472)	60.94 (1548)	61.00 (1549)	62.00 (1575)	66.00 (1676)	830 (377.3)	850 (386.4)	
286TS	40/30			54.00 (1372)	56.13 (1426)						57.63 (1464)			58.00 (1473)	57.94 (1472)	60.94 (1548)	61.00 (1549)	62.00 (1575)	66.00 (1676)	900 (386.4)	910 (390.9)	
324TS	50/40			54.00 (1372)	56.13 (1426)						57.63 (1464)			58.00 (1473)	57.94 (1472)	60.94 (1548)	61.00 (1549)	62.00 (1575)	66.00 (1676)	1055 (456.8)	1200 (522.7)	
326TS	60/50			54.00 (1372)	56.13 (1426)						57.63 (1464)			58.00 (1473)	57.94 (1472)	60.94 (1548)	61.00 (1549)	62.00 (1575)	66.00 (1676)	1097 (475.9)	1292 (564.5)	
364TS	75/60		19.00 (483)	64.00 (1626)	61.00 (1549)	10.50 (267)	17.75 (451)	27.00 (686)	4.00 (102)	23.75 (603)	22.94 (583)	22.50 (572)	12.00 (305)	1262 (550.9)	1402 (614.5)							
365TS	100/75	64.00 (1626)		62.00 (1575)	66.00 (1676)									1282 (582.7)	1392 (632.7)							
405TS	-/100	64.00 (1626)		62.00 (1575)	66.00 (1676)									1282 (582.7)	1392 (632.7)							
		64.00 (1626)		62.00 (1575)	66.00 (1676)									1282 (582.7)	1392 (632.7)							

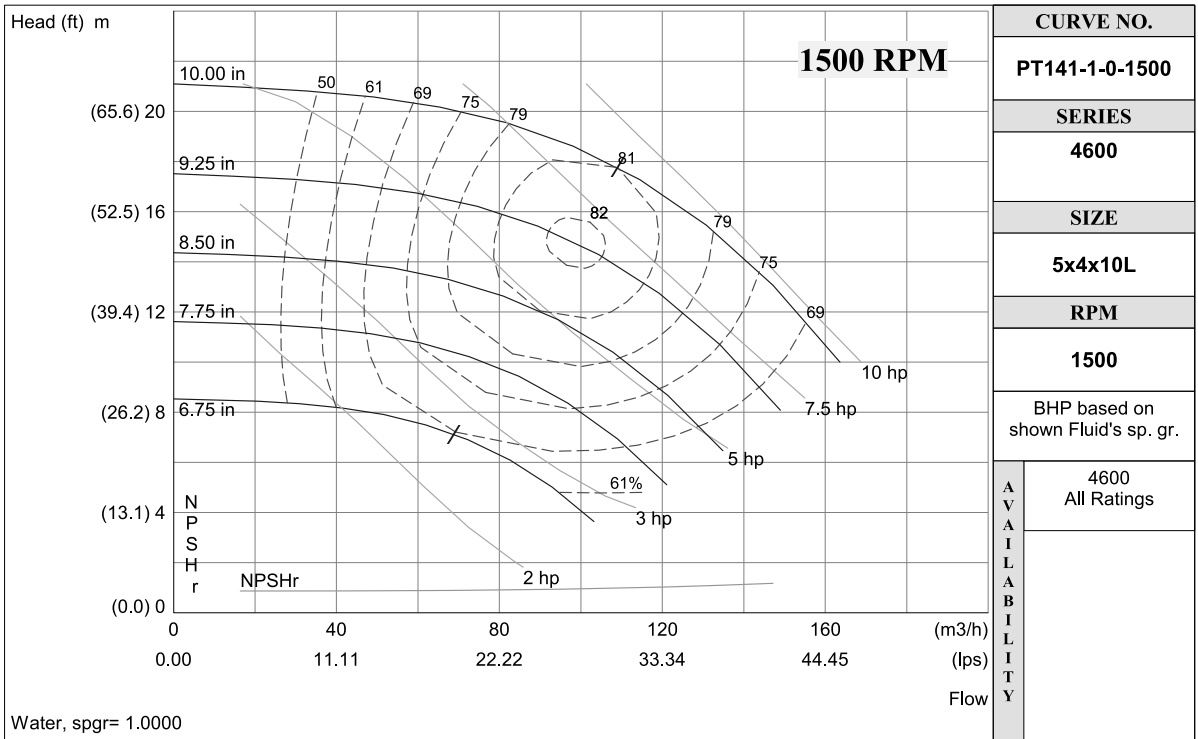


# PERFORMANCE CURVES

Performance Guaranteed Only At Operating Point Indicated  
 CURVE SHOWN FOR CLEAR, COLD WATER - SP. GR. 1.0



<b>CURVE NO.</b>	
<b>PT141-1-0-3000</b>	
<b>SERIES</b>	
<b>4600</b>	
<b>SIZE</b>	
<b>5x4x10L</b>	
<b>RPM</b>	
<b>3000</b>	
BHP based on shown Fluid's sp. gr.	
AVAILABLE ABILITY	4600 All Ratings



<b>CURVE NO.</b>	
<b>PT141-1-0-1500</b>	
<b>SERIES</b>	
<b>4600</b>	
<b>SIZE</b>	
<b>5x4x10L</b>	
<b>RPM</b>	
<b>1500</b>	
BHP based on shown Fluid's sp. gr.	
AVAILABLE ABILITY	4600 All Ratings

**S. A. Armstrong Limited**  
 23 Bertrand Avenue  
 Toronto, Ontario  
 Canada, M1L 2P3  
 T: (416) 755-2291  
 F (Main): (416) 759-9101

**Armstrong Pumps Inc.**  
 93 East Avenue  
 North Tonawanda, New York  
 U.S.A. 14120-6594  
 T: (716) 693-8813  
 F: (716) 693-8970

**Armstrong Holden Brooke Pullen**  
 Wenlock Way  
 Manchester  
 United Kingdom, M12 5JL  
 T: +44 (0) 161 223 2223  
 F: +44 (0) 161 220 9660



© S.A. Armstrong Limited 2006

*For Armstrong locations worldwide, please visit [www.armstrongpumps.com](http://www.armstrongpumps.com)*