

**PUMP**
**UNIT: PUM034**
**PERFORMANCE**

Maximum Operating Pressure*	90 psi ( kPa)
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**DRIVE**

Model	Teco Westinghouse
Horse Power	1 HP
RPM	1745 RPM
Volts	230/460
Amps	3.00/1.50
Hertz	60


**PUMP**

Model	Seepex BN 1-6L
Flow Rate	1.13 m <sup>3</sup> /hr (5 usgmp)
Oulet	" (mm)
Inlet	" (mm)
Impellor	" (mm)
Net Positive Suction Head	' (m)

**SHIPPING DIMENSIONS**

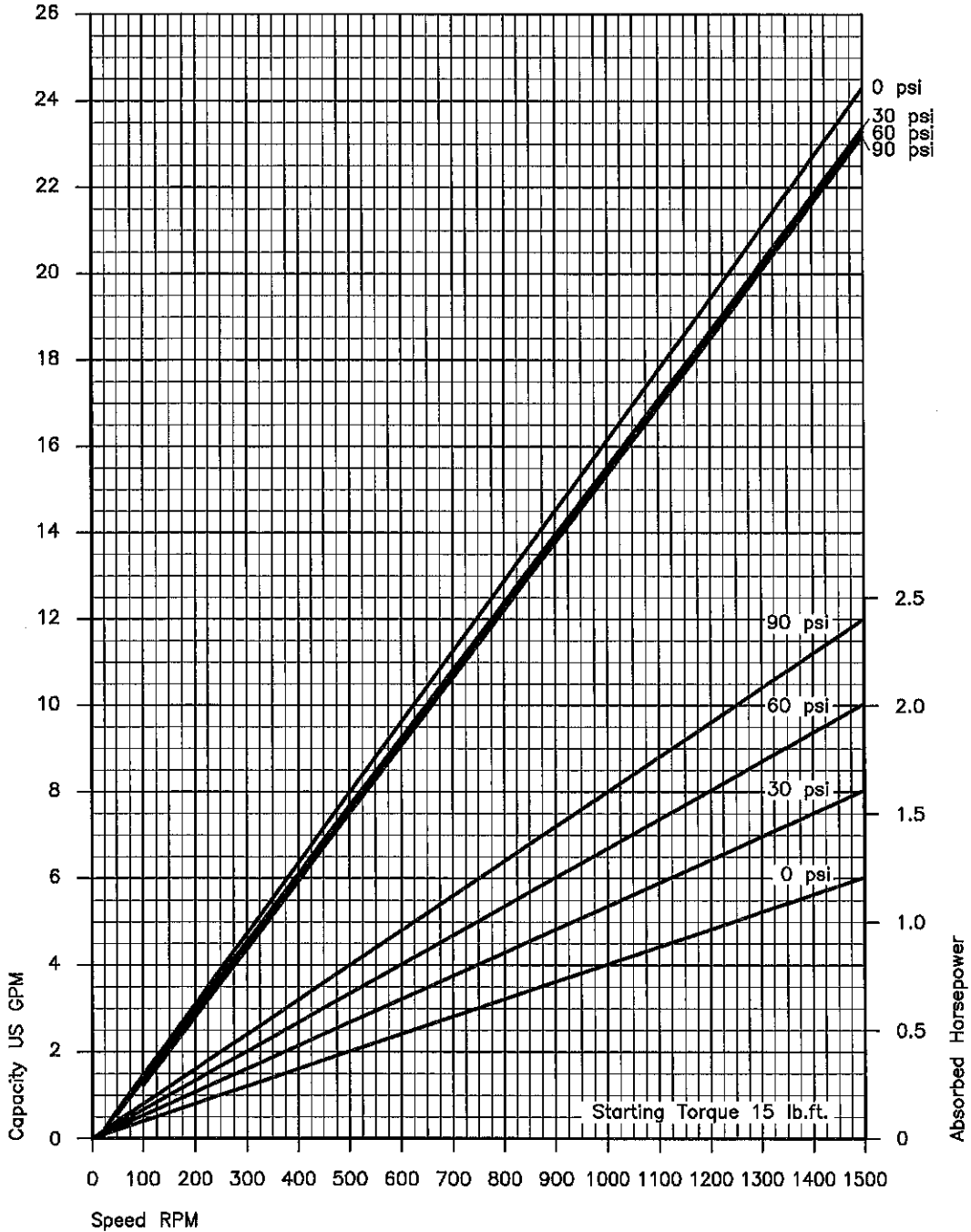
Width	" ( m)
Length	" ( m)
Height	" ( m)
Weight Estimate	( kg)

**CERTIFICATION**

Drive	Class 1, Group D – Class II, Groups E, F & G
Pump	CSA

# SEEPEX. ALL THINGS FLOW

## Characteristic Curves Size 1-6L



Values based upon water 68°F ; For notes on drive selection refer to PER

CHA.1-6L\_6, C 02.14us

Data Sheet 844127 - 814128 Page 1

<b>seepex date</b>	10/28/15	<b>commission no.</b>	844127 - 844128		
<b>customer</b>	John Brooks Company				
<b>seepex job no.</b>	2119990	<b>offer/item</b>	500055895/1/JKY Item 10		
<b>project</b>	PO#: 186802 OP				
<b>2 of</b>	<b>seepex progressive cavity pump type BN 1-6L / A6-J0-J0-H0-GA-X X=0802</b>				
<b>conveying product</b>					
<b>denomination</b>	Polymer				
<b>rate of solids</b>	no advice	<b>viscosity</b>	200 cPs		
<b>size of solids</b>	no advice	<b>pH-value</b>	ass. 5-9		
<b>density</b>	ass. 1.0 kg/dm3	<b>temperature</b>	32 – 113 °F		
<b>composition</b>	no advice				
<b>remarks</b>					
<b>performance data</b>	<b>nom.</b>	<b>min</b>	<b>max</b>		
<b>conveying capacity</b>		1.0	5.0	<b>USGPM</b>	
<b>pump speed</b>		77	332	<b>rpm</b>	
<b>press in press. branch</b>		50	50	<b>psig</b>	
<b>press in suct. branch</b>	flooded suction(up to 0.5 bar)				
<b>differential pressure</b>	50	<b>psig</b>	<b>operating torque</b>	7	<b>lb. ft.</b>
<b>required drive power</b>	0.61	<b>Hp</b>	<b>starting torque</b>	15	<b>lb. ft.</b>
<b>remarks</b>	Data according to Performance Curve				
<b>technical pump data</b>					
<b>range</b>	BN	<b>kind of install.</b>	horizontal		
<b>size</b>	1	<b>direction of rot.</b>	counterclockwise		
<b>pressure stage</b>	6L	<b>pos. of branch</b>	1		
<b>component</b>	<b>material</b>	<b>design/option</b>			
<b>lantern</b>	grey cast iron GG25	standard			
<b>suction casing</b>	1.4408 / 316ss				
<b>suction connection</b>		DN 1 1/2" NPT thread			
<b>pressure branch</b>	1.4404 / AISI 316L				
<b>pressure connection</b>		DN 1 1/4" NPT thread			
<b>joint</b>	standard	standard			
<b>grease</b>	30321	standard			
<b>joint seal</b>	FPM Viton				
<b>coupling rod</b>	1.6582	standard			
<b>rotor</b>	1.4404 / AISI 316L	standard			
<b>stator</b>	FPM Viton	standard			
<b>mechanical seal</b>	1.4408 / 316ss	Single Acting Mechanical seal			
<b>seal</b>		SEEPEX GA-30-Q1Q1-VGG			
<b>plug-in shaft</b>	1.4404 / AISI 316L	drilled $\phi$ 24x45			
<b>special designs</b>	<b>Bolting entirely in stainless steel inc. tie rods</b>				

**general operating data**

kind of operation continuous operation - 8 hr/day  
 site of installation indoor dry atmosphere  
 remarks

**drive**

type	Gearbox		
make	Nord	ratio	i= 5.57
model	SK02F-140TC		nom./ min- max
mounting position	B5	output speed	314 / 77 – 332 rpm
flange dia	160 mm	motor speed	1750 / 431 – 1852 rpm
output shaft	716/M500-003B4	frequency	60 / 15 - 63 Hz

**electric motor**

**Supplied and Installed by Customer**

manufacturer			
model		voltage	VAC
nominal power	Hp	rated frequency	Hz.
Mounting position		enclosure	
starting		Thermal class	
special			

**painting**

execution standard  
 color RAL 5013 (blue)  
 remarks

**packing**

packing type Box  
 marking 2119990

**documentation**

dimensional drawing no.	<u>45986</u>	operating manual	1 copy English
sectional drawing no.	<u>062-004 1</u>		
shaft sealing sect. view	<u>262-0GA/M500-0-001 4</u>		
remarks			

**additional accessories / special designs / remarks**

**TAG: Class 77.5**

**Needs to be tested with SEEPEX Motor frame size 143**