EQUIPMENT SPECIFICATION SHEET

PUMP

UNIT: PUM035

PERFORMANCE

Maximum Operating Pressure*	90 psi (kPa)

DRIVE

Model	WEG
Horse Power	2 HP
RPM	1750 RPM
Volts	230/460
Amps	
Hertz	60

PUMP

Model	Seepex NS 5-6L
Flow Rate	3 m^3/hr (13.2 usgmp)
Oulet	” (mm)
Inlet	” (mm)
Impellor	” (mm)
Net Positive Suction Head	2.27’ (m)

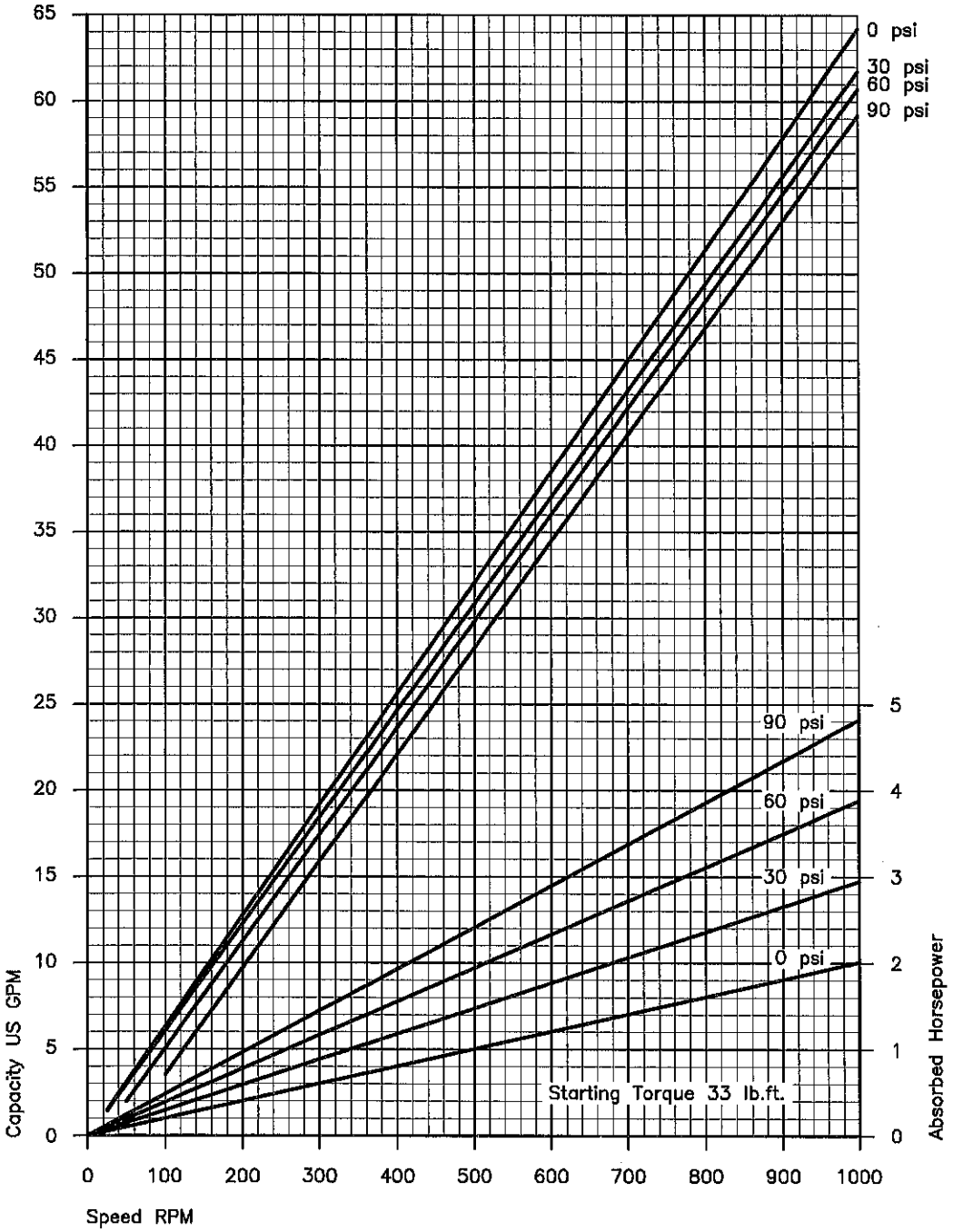
SHIPPING DIMENSIONS

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

CERTIFICATION

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

Characteristic Curves
Size
5–6L



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

Order No.	**P01037788**
Data sheet	**379161-379162**
Version 1	**Item 10**

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SEEPEX	
Order No.	P01037788
Date	10/06/2020
Commission no.	379161-379162
Offer No.	500179583/1 - 10
Customer	FluDyn Pumps GmbH, Bückeburg
Purchase order no.	2749/20060106
Project	Anfrage Pumpe NS 5-6L

qty.: 2

Progressive cavity pump
NS 5-6L

X 000 XXX001

Application data

Conveyed product	unknown
Flowability	flowable
Viscosity	
Solids content	not specified
Size of solids	not specified
Density	unknown
Product temperature	0°C - 45°C
pH value	unknown
Kind of operation	continuous
Operating hours	8 h/day
Location	indoor, dry atmosphere
Altitude of installation	up to 1000 m assumed
Surrounding temperature	normal (5-40 °C)

Performance data

	Capacity	**Pressure**	**Speed**		
	3 m³/h	3.1 bar	224 min⁻¹	norm	3 m3/h
Starting torque	45 Nm				
Req. operating power at pump shaft	0.58 kW				
Inlet pressure	flooded suction (up to 0,5bar)				
NPSHr	2.27 m				
Performance data remark	discharge pressure 45 psi				

Tolerances according to SEEPEX standards.

Materials and executions

Installation	horizontal
Direction of rotation	counter clockwise (left)
Drive Casing - Design	with cover plates
Drive Casing - Material	EN-JL 1040 (gci-25)
Suction casing - Design	standard
Suction casing - Material	EN-JL 1040 (gci-25)
Pressure branch - Design	standard
Pressure branch - Material	EN-JL 1040 (gci-25)
Position of branch	position 1
Suction connection	2½" ANSI B16.5 Class 150 RF
Pressure connection	2" ANSI B16.5 Class 150 RF
Joint - Design	pin joint with joint sleeve, grease filled
Joint - Material	standard, holding bands 1.4401
Joint - Universal joint sleeve: material	FPM

Rechtsform: GmbH
HRB 9350 Gelsenkirchen
Board of Directors: Dr. Bernd Groß, Dr. Christian Hansen, Alexander Kuppe

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Joint - Joint Grease	joint grease SEEPEX 30321
Coupling rod - Design	standard
Coupling rod - Material	1.4404 / AISI 316L
Rotor - Design	standard
Rotor - Material	1.4404 / AISI 316L
Stator - Design	standard
Stator - Material	FPM special
Shaft sealing	mechanical seal
Code	GA - single acting mechanical seal
Shaft diameter	38 mm
Make	SEEPEX
Rotating/stationary seal face	SiC SiC
Elastomers	FPM
Spring	1.4571 / AISI 316Ti
Metal parts	1.4571 / AISI 316Ti
Type	GA Q1Q1 VGG
Casing - material	1.4408 / ASTM A351 grade CF8M
Casing - connection standard	ISO 228
Plug-in Shaft - Design	standard
Plug-in Shaft - Material	1.4404 / AISI 316L
Plug-in Shaft - Drilling diameter	25
Plug-in Shaft - Drilling depth	50
Bolting - Design	standard
Painting - Color	RAL 5013 - Cobalt blue (2K)
Painting - Surface protection	std. surface protection C2 (NDFT 95 µm)

Documentation

Dimensional drawing	260-C01/0020-C-006A4
Sectional drawing	061-008C1
Mechanical seal drawing	262-0GA/0020-0-001B4
Operation Manual	2 x Print German 2 x PDF German