

# 1900 Series Pump | Submittal Data

Submittal No: 301-252 | Model: 1935 | RPM: 3500 | Effective: August 2, 2023 | Supersedes: January 14, 2022

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

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

ENGINEER: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

## PRODUCT DATA

ITEM NO. \_\_\_\_\_ MODEL NO. 1935

IMPELLER DIAMETER \_\_\_\_\_ HORSEPOWER \_\_\_\_\_

GPM \_\_\_\_\_ RPM 3500 VOLTAGE \_\_\_\_\_

HEAD/FT \_\_\_\_\_ VFD MODEL NO. \_\_\_\_\_

WEIGHT \_\_\_\_\_ OPTION CARD \_\_\_\_\_

NSF 61 CERTIFIED YES NO

## DIMENSIONS

Model No. | 1935

Flange Size (Suction x Discharge) | 2 (51)

HORSEPOWER (KW)	2 (1.50)	3 (2.25)	5 (3.75)	7.5 (5.63)
PUMP WEIGHT LBS (KG)	108 (49)	117 (53)	144 (65)	154 (70)
VDF BRACKET WEIGHT LBS (KG)	10 (5)			12 (5)
A	3.50 (89)			
B	15.75 (400)	16.00 (406)	17.00 (432)	
C	13.50 (343)			
D	16.13 (410)			
E	14.80 (376)			19.20 (488)
F	22.86 (581)			28.00 (711)
G	5.39 (137)			
H	9.90 (251)			
J	5.00 (127)			7.00 (178)
K	4.25 (108)			

English dimensions are in inches. Metric dimensions are in millimeters.  
Metric data is presented in ( ). Do not use for construction purposes unless certified.

Pump Turn Down Ratio = 4:1  
Recommended Minimum Drive Frequency = 15 Hz

For VFD drive specifications, weights, and options, see the following Taco VFD Submittal Data sheets:  
ATV12 – Taco Submittal No. 301-1891  
ATV212 – Taco Submittal No. 301-1890  
ATV312 – Taco Submittal No. 301-1897

Configuration	DOE Basic Model Number	PEI Value		Energy Rating
Bare Pump	1935-2P-BP	PEI <sub>d</sub>	0.93	7
Pump + Motor	1935-2P-PM	PEI <sub>d</sub>	0.93	7
Pump + Motor + Drive	1935-2P-PD	PEI <sub>v</sub>	0.48	52

## SPECIFICATIONS

### MOTORS

3500 RPM, Three Phase 208/230/460V, 60 Hz, Nema 56 C Frame Motors. Also available in Single Phase 115/208/230V. Motors are sealed ball bearing design, and require no maintenance.

### BODY

Cast iron with in-line flanged connections. Also available in optional all Stainless Steel (304). Companion flanges included with the pump. NSF61 All-SS models are also available.

### IMPELLER

One Piece Cast Stainless Steel (304), Closed, Dynamically Balanced Impeller.

### DRIVE

Close Coupled Direct Driven Pump.

### SHAFT

416 Stainless Steel Shaft.

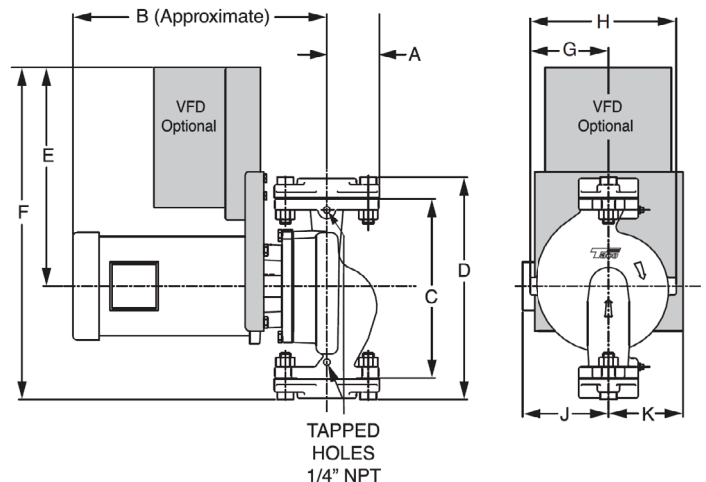
### MECHANICAL SEAL

J. Crane Type 21 with carbon rotating element and ceramic stationary seat, with a maximum operating temperature of 250° F (121° C) furnished as standard. Optional "Sealide C" with silicon carbide rotating element and silicon carbide stationary seat is also available for systems with aggressive/glycol fluids, with a maximum operating temperature of 300° F (149° C).

### WORKING PRESSURE

175 PSI (1207 kPa) in accordance with ASA B16.1.

**NOTE:** Pump flanges are tapped for gauges.



## VFD SELECTION GUIDE

Motor HP	Input Voltage				
	Single Phase		3 Phase		
	100V - 120V	200V - 240V	200V - 240V	380V - 480V	525V - 600V
2	N/A	ATV12HU15M2	N/A	ATV212HU15N4	ATV312HU15S6
3		ATV12HU22M2		ATV212HU22N4	ATV312HU22S6
5		N/A		ATV212HU40N4	ATV312HU40S6
7.5				ATV212HU55N4	ATV312HU55S6

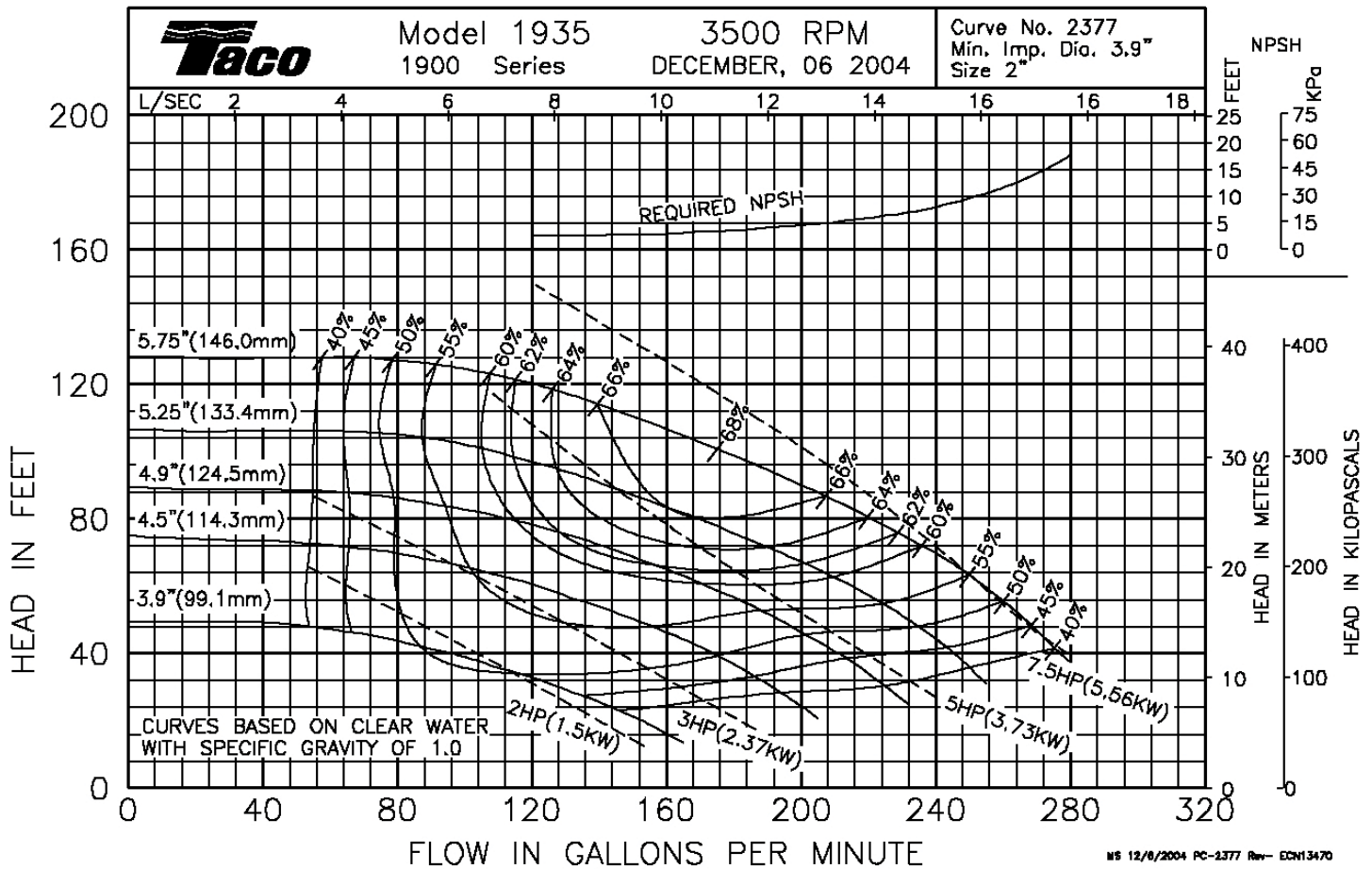


In order to provide the most efficient pump solution to our customers, Taco is now working with Schneider Electric.

This collaboration brings together Taco's pump technology with Schneider Electric Variable Frequency Drives and the drive packaging of Square D enclosures to offer the best overall pumping solution for our customers.



by Schneider Electric



## COMMENTS