

# **Submittal Data Information** 1900 Series Pumps

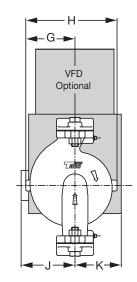
301-246

EFFECTIVE: June	1, 2015	SUPE	ERSEDES: Novemb	1760 RPM MODEL 1941		
JOB			ENGI	NEER		
CONTRACTOR			REP.			
ITEM NO.	MODEL NO.	IMPELLER DIA.	G.P.M.	HEAD/FT	H.P.	ELEC. CHAR.
	VFD MO	DEL NO.	OPTION	N CARD	WE	GHT

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 VFD Optional E

B (Approximate)



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

#### SIZES & DIMENSIONS:

Model	Speed	Flange Size	HP (KW)	Dimensions								Pump	VFD Bracket		
No.				Α	В	С	D	E	F	G	Н	J	K	Weight Lbs (Kg)	Weight Lbs (Kg)
			2 (1.12)		15.75									125 (57)	
					(400)									123 (37)	
1941	1760	2		3.63	17.50	16.50	19.5	14.80	24.55	6.97	13.83	5.00	4.25	145 (66)	10 (5)
RPM	(51)	2 (1.50)	(92)	(445)	(419)	(495)	(376)	(624)	(177)	(351)	(127)	(108)	145 (66)	10 (5)	
			3 (2.25)		24.00									156 (71)	
		3 (2.23)		(610)									156 (71)		

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

### **SPECIFICATIONS:**

#### **MOTORS**

1760 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 Bronze, Closed, Dynamically Balanced Impeller.

#### DRIVE

Close Coupled Direct Driven Pump.

#### SHAFT

Alloy Steel with Cupro Nickel Shaft Sleeve.

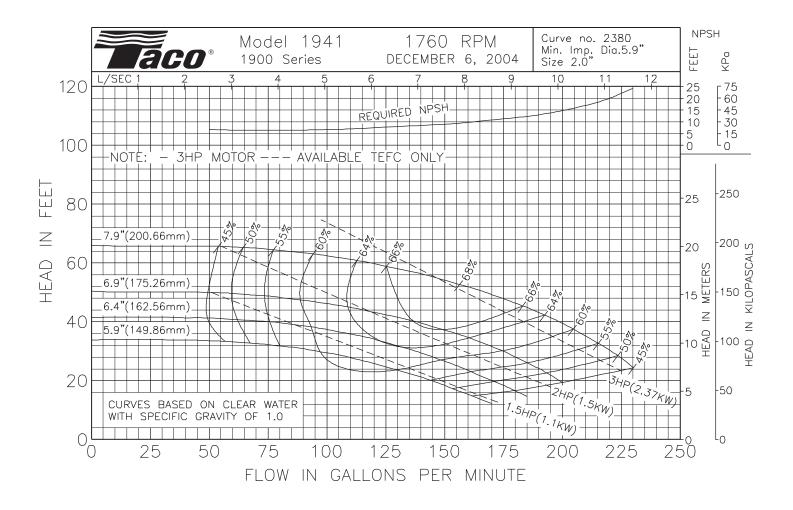
## MECHANICAL SEAL

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:**

	Input Voltage										
Motor HP	Single	Phase	3 Phase								
	100V – 120V	200V - 240V	200V - 240V	380V - 480V	525V - 600V						
1.5		ATV40111145M0	ATV212HU15M3X	ATV010111115NA	ATV01011111506						
2	N/A	ATVIZHO15WZ		AT V21211013114	A1V312HU1556						
3		ATV12HU22M2	ATV212HU22M3X	ATV212HU22N4	ATV312HU22S6						



Schneider Electric

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.

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Comments:

