



# Submittal Data Information

## KV Series Vertical Close Coupled Pumps

301-1089

EFFECTIVE: JANUARY 8, 2010

SUPERSEDES: NOVEMBER 1, 2009

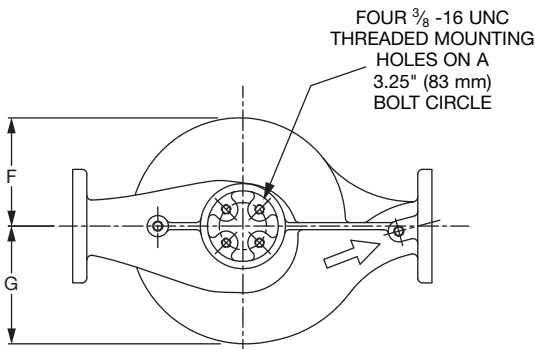
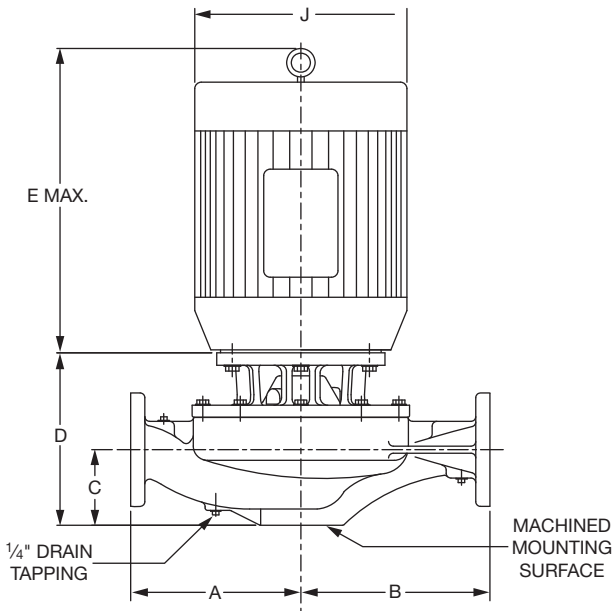
1160 RPM MODEL 3009

JOB \_\_\_\_\_ ENGINEER \_\_\_\_\_

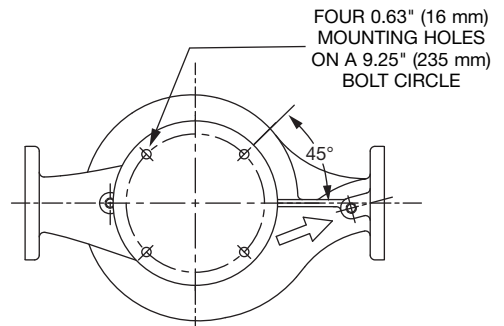
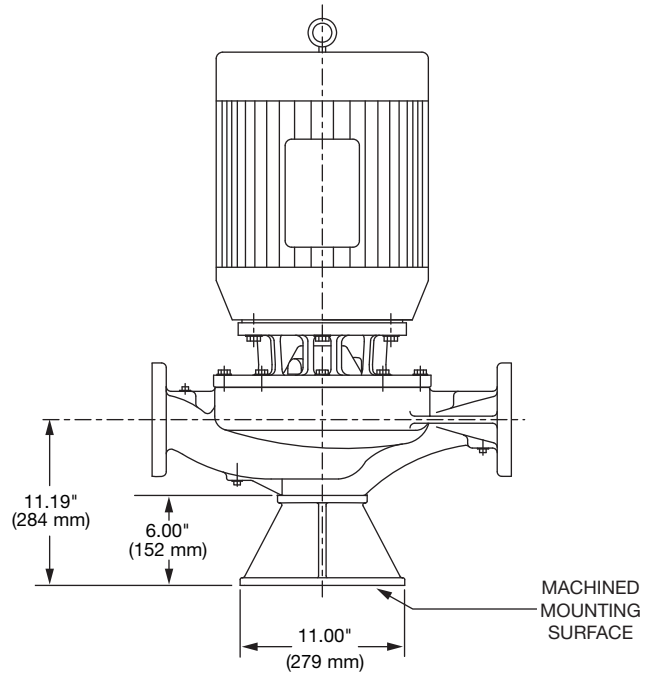
CONTRACTOR \_\_\_\_\_ REP. \_\_\_\_\_

ITEM NO.	MODEL NO.	IMPELLER DIA.	G.P.M.	HEAD/FT.	H.P.	ELEC. CHAR.
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WEIGHT \_\_\_\_\_ PUMP/MOTOR \_\_\_\_\_



### PUMP WITH OPTIONAL SUPPORT STAND



### DIMENSIONS

\*A & B Dimensions apply for all pump sizes.

Model No.	Conn.	Motor Frame	HP 1160 RPM	Flange Size ASA	A*	B*	C	D	E MAX	F	G	H	J DIA
3009	3 x 3 (76 x 76)	143JM	0.75	3  (76)	10.00 (254) if ANSI Class 125	11.00 (279) if ANSI Class 125	5.19  (132)	9.47 (241)	12.06 (306)	5.94  (151)	6.53  (166)	0.25  (6)	6.62 (168)
		145JM	1					9.47 (241)	13.43 (341)				6.62 (168)
		182JM	1.5					9.47 (241)	13.94 (354)				7.88 (200)
		184JM	2					9.47 (241)	15.58 (396)				7.88 (200)

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

**MATERIALS OF CONSTRUCTION**

Item	BRONZE FITTED		ALL IRON	
	Standard Pump Construction	Optional	Standard	Optional
Casing	Cast Iron ASTM A48 Class 30A	N/A	Cast Iron ASTM A48 Class 30A	N/A
Impeller	Bronze ASTM B584-836	CF	Cast Iron ASTM A48 Class 30A	CF
Wear Ring	None	Bronze ASTM B584-932 SAE660	None	N/A
Shaft	Carbon Steel	St. Steel AISI 416 ASTM A582	Carbon Steel	St. Steel AISI 416 ASTM A582
Shaft Sleeve	Bronze ASTM B584-932 SAE660	St. Steel AISI 303 ASTM A276	St. Steel AISI 303 ASTM A276	CF
Mechanical Seal	Ceramic / EPT	Tungsten Carbide / EPT	Ceramic / EPT	Tungsten Carbide / EPT
Seal Flush Line	Copper	CF	Stainless Steel	CF
Support Stand	N/A	Ductile Iron ASTM A536-84 Grade: 65-45-12	N/A	Ductile Iron ASTM A536-84 Grade: 65-45-12

CF - Consult Factory

N/A - Not Available

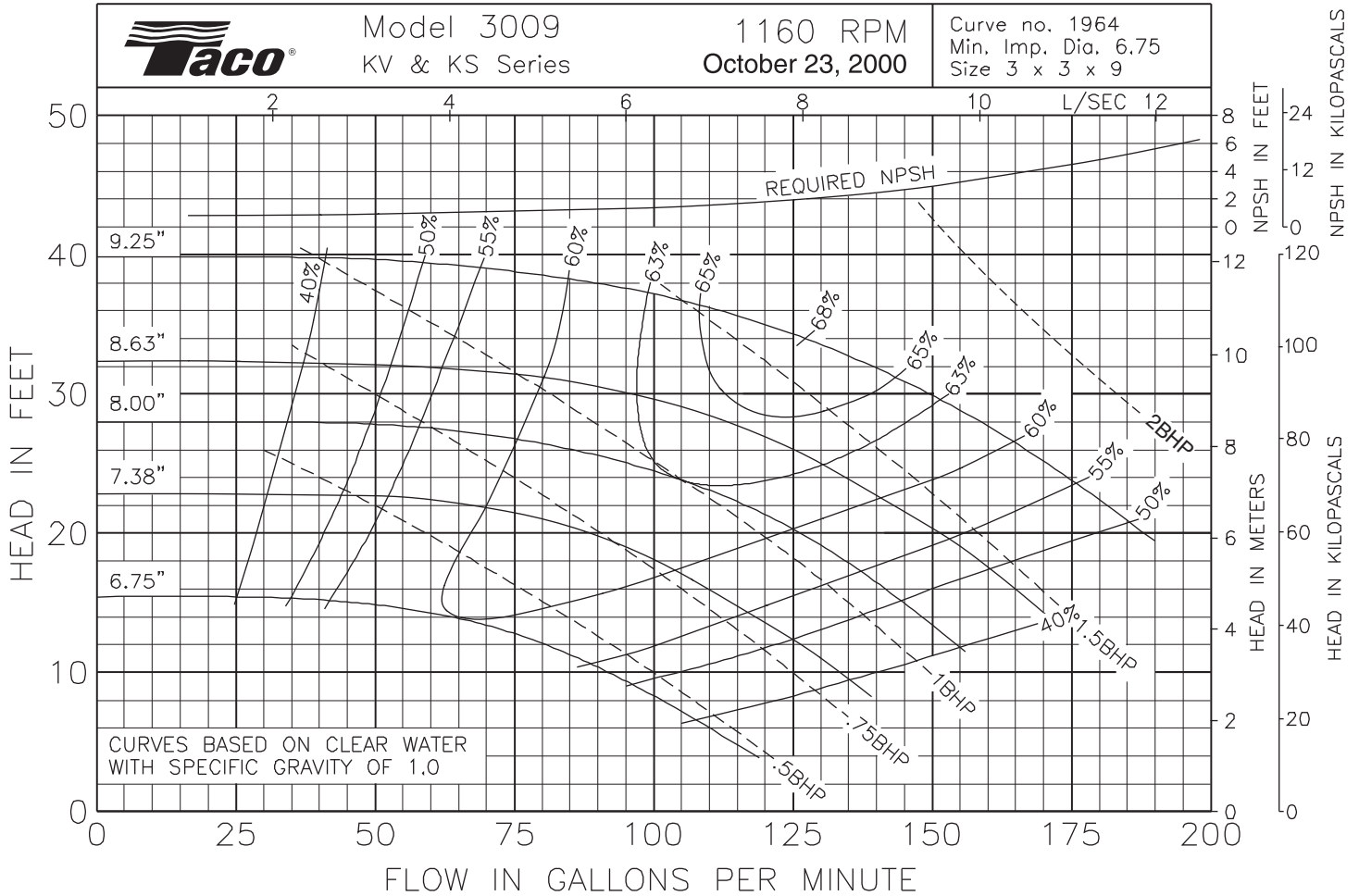
**OPERATING SPECIFICATIONS**

	Standard		Optional
	ANSI Class 125	ANSI Class 250	
Flange			
Pressure	175 PSIG* (1210 KPA)	300 PSIG** (2070 KPA)	CF
Temperature	250°F (120°C)	250°F (120°C)	CF

Motors: All NEMA Standard (T Frame)  
 \* In accordance with ANSI Standard B16.1 Class 125  
 \*\* In accordance with ANSI Standard B16.1 Class 250 Dim.

**MAXIMUM ASSEMBLY WEIGHT**

Motor Frame	Weight without Optional Stand Lbs (Kg)	Weight with Optional Stand Lbs (Kg)
143JM - 145JM	158 (72)	184 (83)
182JM - 184JM	188 (85)	214 (97)



Comments:

**Do it Once. Do it Right.®**

**TACO, INC.**, 1160 Cranston Street, Cranston, RI 02920 Telephone: (401) 942-8000 FAX: (401) 942-2360.  
**TACO (Canada), Ltd.**, 8450 Lawson Road, Unit #3, Milton, Ontario L9T 0J8. Telephone: 905/564-9422. FAX: 905/564-9436.  
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# Submittal Data Information

## KV Series Vertical Close Coupled Pumps

301-1103

EFFECTIVE: JANUARY 8, 2010

SUPERSEDES: NOVEMBER 1, 2009

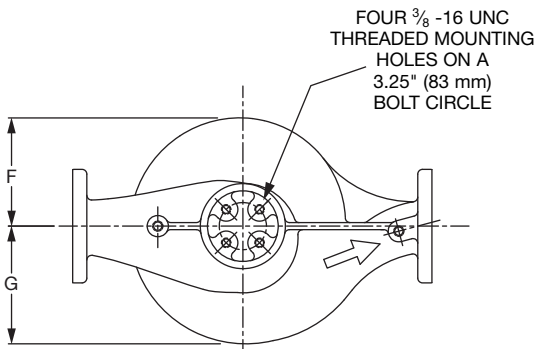
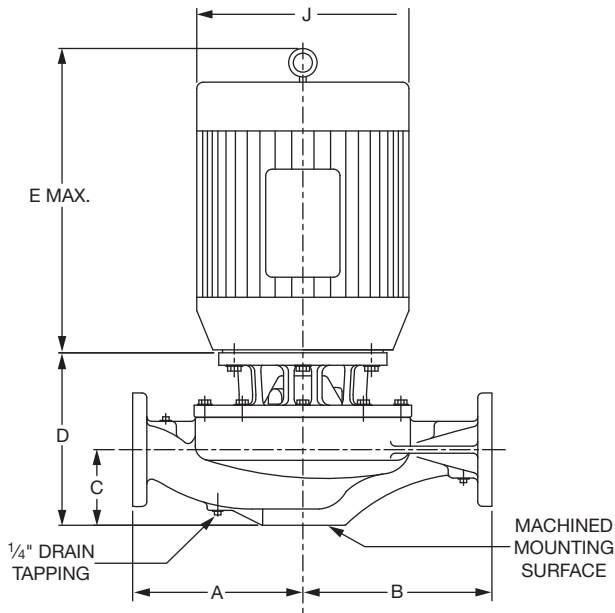
1760 RPM MODEL 3009

JOB \_\_\_\_\_ ENGINEER \_\_\_\_\_

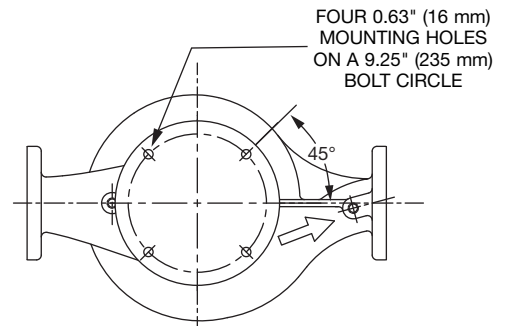
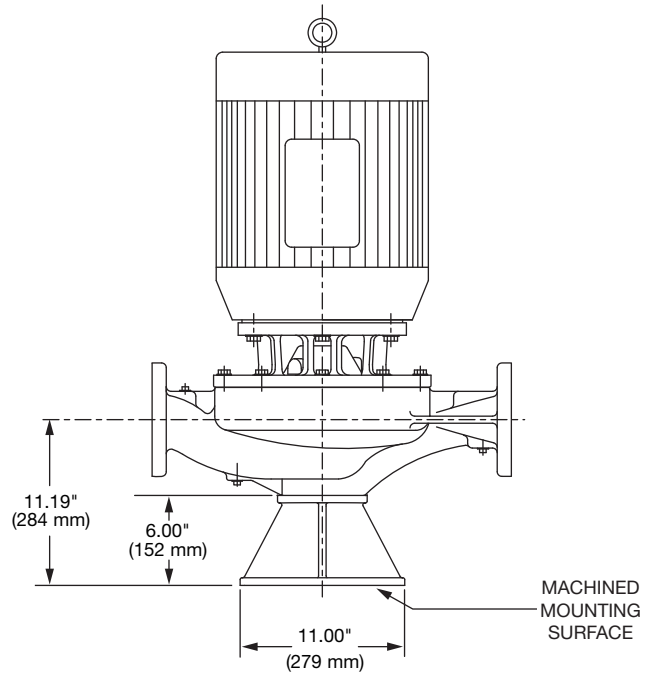
CONTRACTOR \_\_\_\_\_ REP. \_\_\_\_\_

ITEM NO.	MODEL NO.	IMPELLER DIA.	G.P.M.	HEAD/FT.	H.P.	ELEC. CHAR.
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WEIGHT \_\_\_\_\_ PUMP/MOTOR \_\_\_\_\_



### PUMP WITH OPTIONAL SUPPORT STAND



### DIMENSIONS

\*A & B Dimensions apply for all pump sizes.

Model No.	Conn.	Motor Frame	HP 1760 RPM	Flange Size ASA	A*	B*	C	D	E MAX	F	G	H	J DIA
3009	3 x 3 (76 x 76)	145JM	2	3 (76)	10.00 (254) if ANSI Class 125	11.00 (279) if ANSI Class 125	5.19 (132)	9.47 (241)	13.43 (341)	5.94 (151)	6.53 (166)	0.25 (6)	6.62 (168)
		182JM	3					9.47 (241)	13.94 (354)				7.88 (200)
		184JM	5					9.47 (241)	15.58 (396)				7.88 (200)
		213JM	7.5					9.65 (245)	16.68 (424)				9.56 (243)

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

**MATERIALS OF CONSTRUCTION**

Item	BRONZE FITTED		ALL IRON	
	Standard Pump Construction	Optional	Standard	Optional
Casing	Cast Iron ASTM A48 Class 30A	N/A	Cast Iron ASTM A48 Class 30A	N/A
Impeller	Bronze ASTM B584-836	CF	Cast Iron ASTM A48 Class 30A	CF
Wear Ring	None	Bronze ASTM B584-932 SAE660	None	N/A
Shaft	Carbon Steel	St. Steel AISI 416 ASTM A582	Carbon Steel	St. Steel AISI 416 ASTM A582
Shaft Sleeve	Bronze ASTM B584-932 SAE660	St. Steel AISI 303 ASTM A276	St. Steel AISI 303 ASTM A276	CF
Mechanical Seal	Ceramic / EPT	Tungsten Carbide / EPT	Ceramic / EPT	Tungsten Carbide / EPT
Seal Flush Line	Copper	CF	Stainless Steel	CF
Support Stand	N/A	Ductile Iron ASTM A536-84 Grade: 65-45-12	N/A	Ductile Iron ASTM A536-84 Grade: 65-45-12

CF - Consult Factory

N/A - Not Available

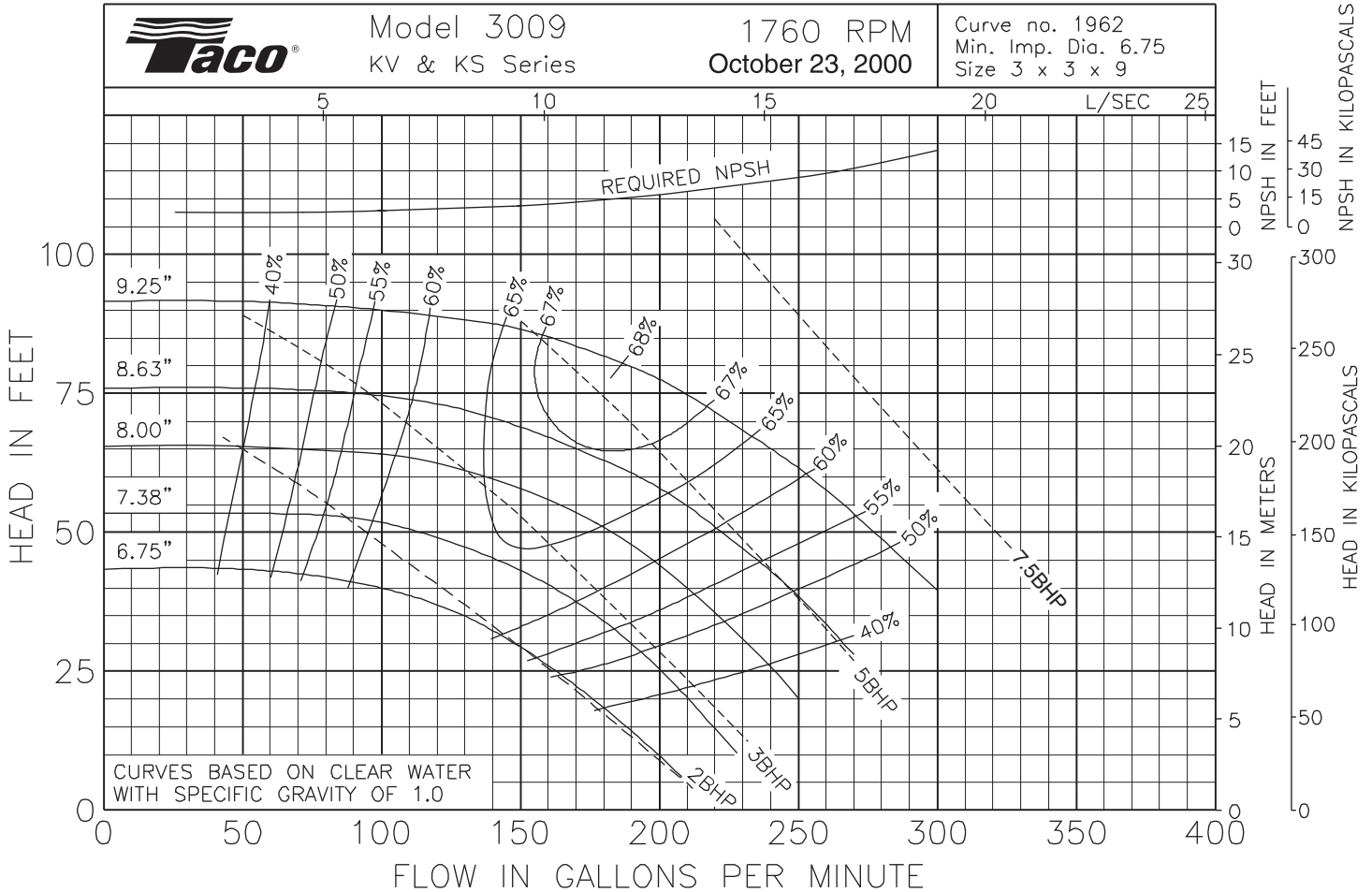
**OPERATING SPECIFICATIONS**

	Standard		Optional
	ANSI Class 125	ANSI Class 250	
Flange			
Pressure	175 PSIG* (1210 KPA)	300 PSIG** (2070 KPA)	CF
Temperature	250°F (120°C)	250°F (120°C)	CF

Motors: All NEMA Standard (T Frame)  
 \* In accordance with ANSI Standard B16.1 Class 125  
 \*\* In accordance with ANSI Standard B16.1 Class 250 Dim.

**MAXIMUM ASSEMBLY WEIGHT**

Motor Frame	Weight without Optional Stand Lbs (Kg)	Weight with Optional Stand Lbs (Kg)
143JM - 145JM	168 (76)	194 (88)
182JM - 184JM	202 (92)	228 (103)
213JM - 215JM	250 (113)	276 (125)



Comments:

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# Submittal Data Information

## KV Series Vertical Close Coupled Pumps

301-1117

EFFECTIVE: MAY 1, 2010

SUPERSEDES: JANUARY 8, 2010

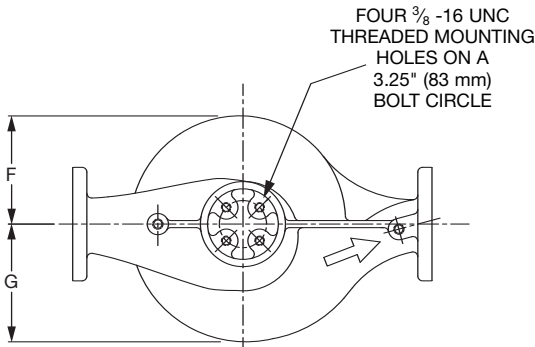
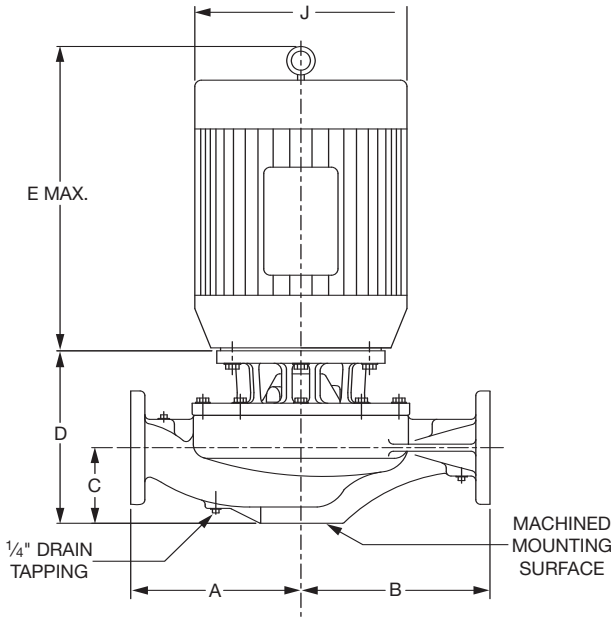
3500 RPM MODEL 3009

JOB \_\_\_\_\_ ENGINEER \_\_\_\_\_

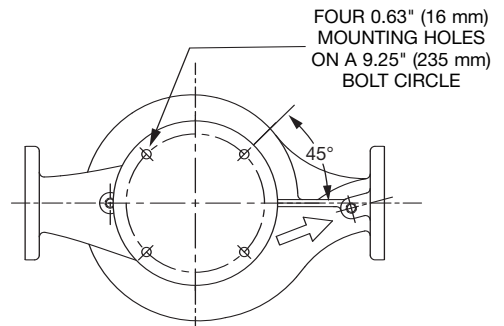
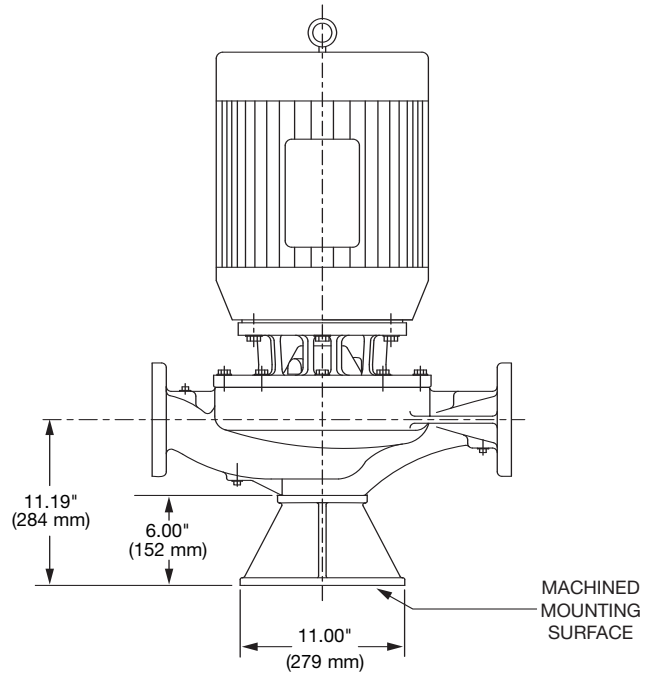
CONTRACTOR \_\_\_\_\_ REP. \_\_\_\_\_

ITEM NO.	MODEL NO.	IMPELLER DIA.	G.P.M.	HEAD/FT.	H.P.	ELEC. CHAR.
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WEIGHT \_\_\_\_\_ PUMP/MOTOR \_\_\_\_\_



### PUMP WITH OPTIONAL SUPPORT STAND



### DIMENSIONS

\*A & B Dimensions apply for all pump sizes.

Model No.	Conn.	Motor Frame	HP 3500 RPM	Flange Size ASA	A*	B*	C	D	E MAX	F	G	H	J DIA
3009	3 x 3 (76 x 76)	215JM	15	3 (76)	10.00 (254) if ANSI Class 125	11.00 (279) if ANSI Class 125	5.19 (132)	9.65 (245)	18.18 (462)	5.94 (151)	6.53 (166)	0.25 (6)	9.56 (243)
		254JM	20					10.18 (259)	17.83 (453)				12.94 (329)
		256JM	25					10.18 (259)	19.91 (506)				12.94 (329)
		284JM	30					10.18 (259)	23.39 (594)				15.29 (388)
		286JM	40**					10.18 (259)	23.39 (594)				15.29 (388)
		324JM	50**					10.18 (259)	25.28 (642)				17.85 (453)

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

\*\* Not available in TEFC.

**MATERIALS OF CONSTRUCTION**

Item	BRONZE FITTED		ALL IRON	
	Standard Pump Construction	Optional	Standard	Optional
Casing	Cast Iron ASTM A48 Class 30A	N/A	Cast Iron ASTM A48 Class 30A	N/A
Impeller	Bronze ASTM B584-836	CF	Cast Iron ASTM A48 Class 30A	CF
Wear Ring	None	Bronze ASTM B584-932 SAE660	None	N/A
Shaft	Carbon Steel	St. Steel AISI 416 ASTM A582	Carbon Steel	St. Steel AISI 416 ASTM A582
Shaft Sleeve	Bronze ASTM B584-932 SAE660	St. Steel AISI 303 ASTM A276	St. Steel AISI 303 ASTM A276	CF
Mechanical Seal	Ceramic / EPT	Tungsten Carbide / EPT	Ceramic / EPT	Tungsten Carbide / EPT
Seal Flush Line	Copper	CF	Stainless Steel	CF
Support Stand	N/A	Ductile Iron ASTM A536-84 Grade: 65-45-12	N/A	Ductile Iron ASTM A536-84 Grade: 65-45-12

CF - Consult Factory

N/A - Not Available

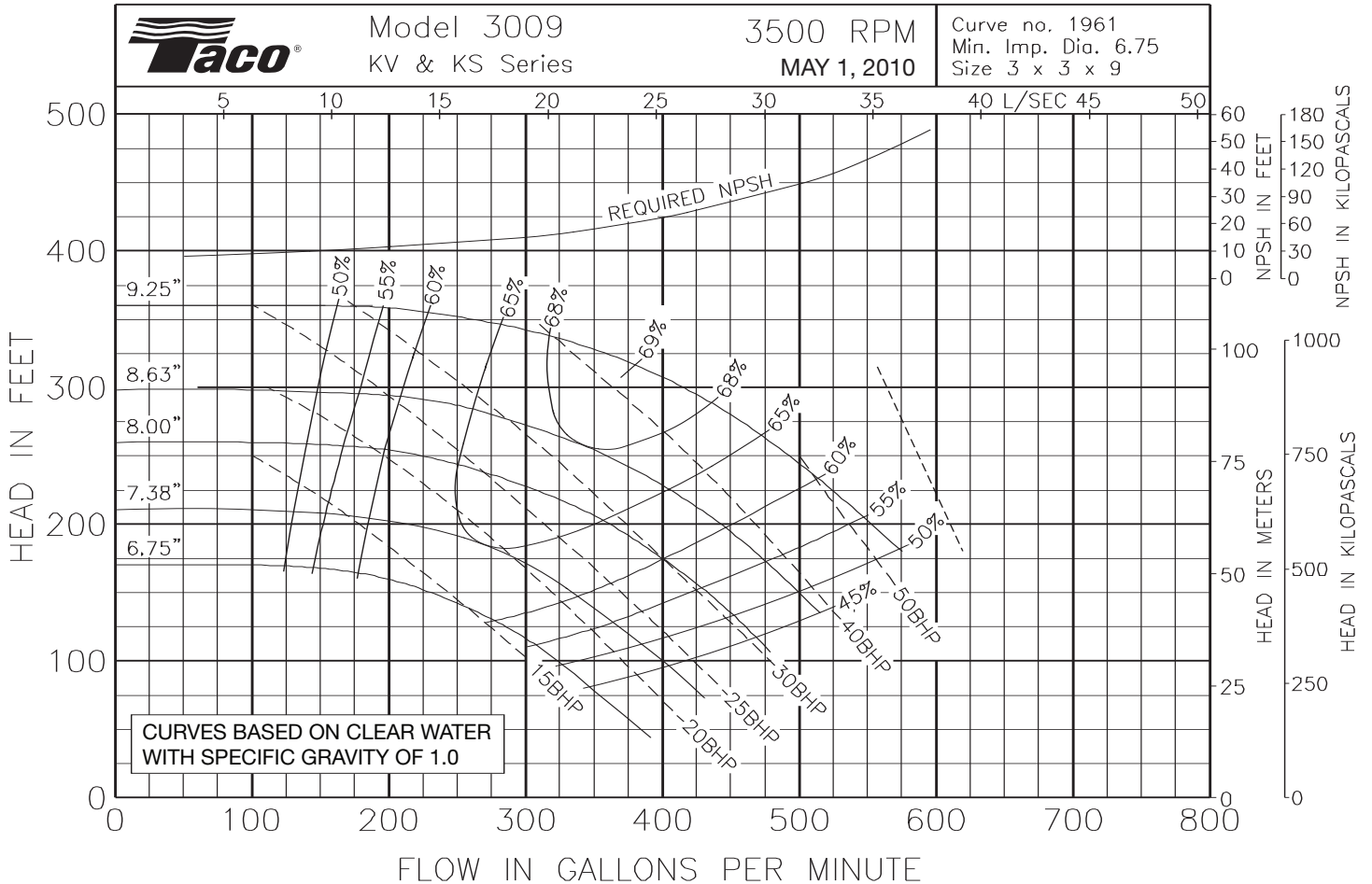
**OPERATING SPECIFICATIONS**

	Standard		Optional
	ANSI Class 125	ANSI Class 250	
Flange	ANSI Class 125	ANSI Class 250	
Pressure	175 PSIG* (1210 KPA)	300 PSIG** (2070 KPA)	CF
Temperature	250°F (120°C)	250°F (120°C)	CF

Motors: All NEMA Standard (T Frame)  
 \* In accordance with ANSI Standard B16.1 Class 125  
 \*\* In accordance with ANSI Standard B16.1 Class 250 Dim.

**MAXIMUM ASSEMBLY WEIGHT**

Motor Frame	Weight without Optional Stand Lbs (Kg)	Weight with Optional Stand Lbs (Kg)
213JM - 215JM	328 (149)	354 (161)
254JM - 256JM	409 (186)	435 (197)
284JM - 286JM	428 (194)	454 (206)
324JM - 326JM	568 (258)	594 (269)



Comments:

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