

EFFECTIVE: MAY 31, 2017

SUPERSEDES: JUNE 25, 2016

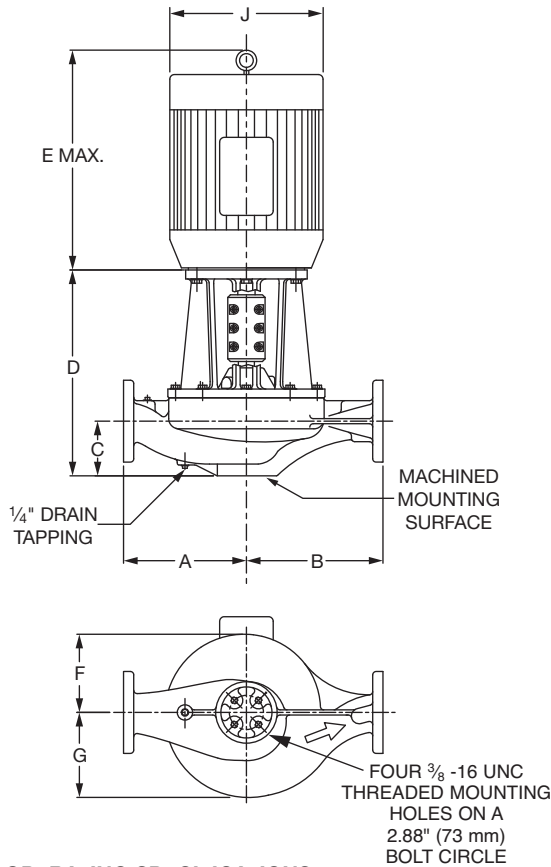
1160 RPM MODEL 4007

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

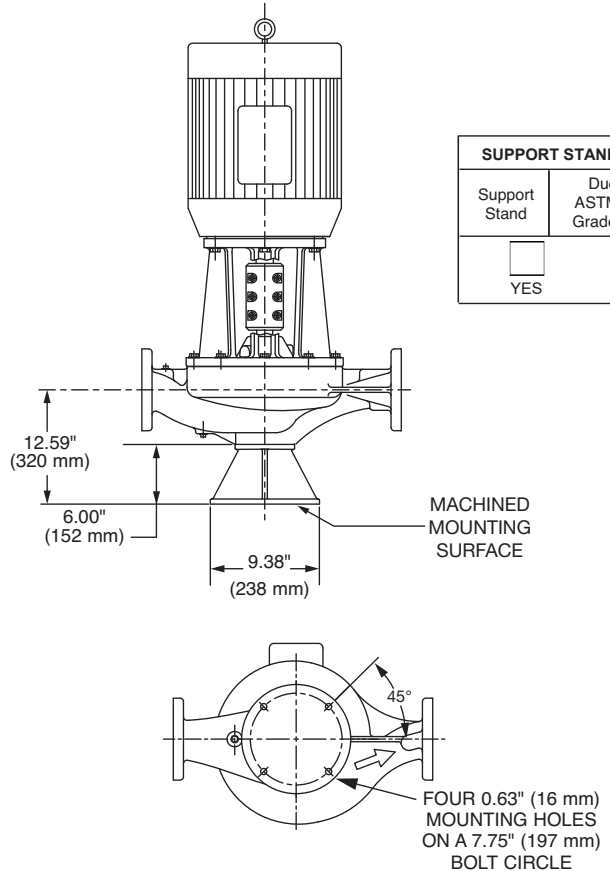
CONTRACTOR \_\_\_\_\_ REP. \_\_\_\_\_

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**



SUPPORT STAND OPTION	
Support Stand	Ductile Iron ASTM A536-84 Grade 65-45-12
<input type="checkbox"/> YES	<input type="checkbox"/> NO

**OPERATING SPECIFICATIONS**

	Standard		Optional
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 ODP Frame (CZ Shaft)  
\* 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)
143CZ - 145CZ	258 (117)	277 (126)
182CZ - 184CZ	297 (135)	316 (143)

**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
4007	4 x 4 (102 x 102)	143CZ	0.75	4 (102)	11.00 (279) if ANSI Class 125	11.00 (279) if ANSI Class 125	6.59 (167)	17.64 (448)	13.05 (331)	5.64 (143)	6.80 (173)	0.25 (6)	7.05 (179)
		145CZ	1					17.64 (448)	14.05 (357)				7.05 (179)
		182CZ	1.5					17.64 (448)	15.64 (397)				8.49 (216)
		184CZ	2					17.64 (448)	16.68 (424)				8.49 (216)

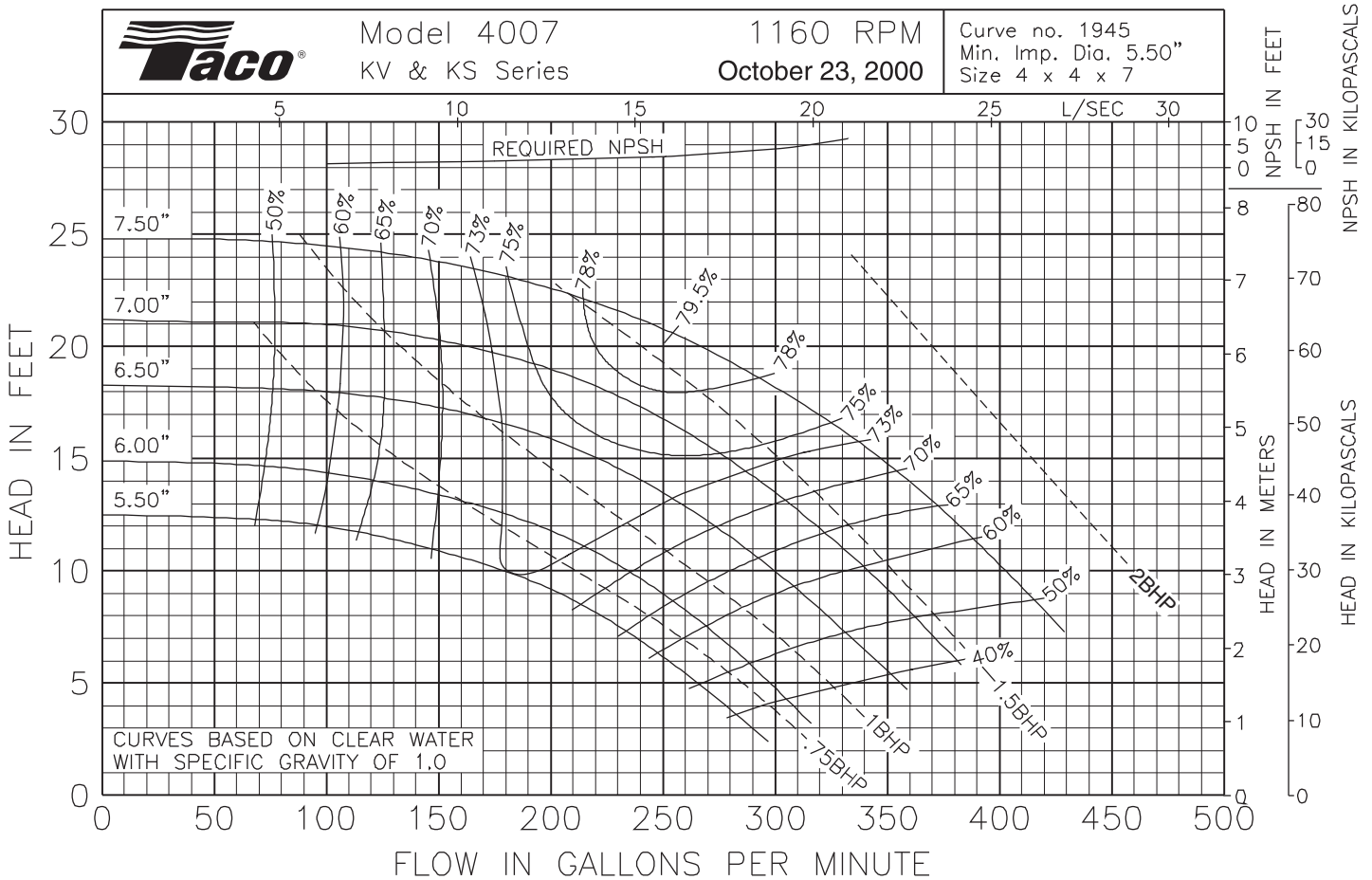
English dimensions are in inches. Metric dimensions are in millimeters. Metric data is presented in ( ). Do not use for construction purposes unless certified.

**MATERIALS OF CONSTRUCTION**

	BRONZE FITTED		
	STANDARD PUMP CONSTRUCTION		OPTIONAL
	125# Flange	250# Flange	125# or 250#
Casing	Cast Iron ASTM A48/ A48M-03 Class 30A	Ductile Iron ASTM A536-84 Grade 65-45-12	N/A
Impeller	Bronze ASTM B584 ALLOY C83600 or C84400	Bronze ASTM B584 ALLOY C83600 or C84400	N/A
Wear Ring	N/A	N/A	Bronze ASTM B584-98A C92200
Shaft	Stainless Steel TYPE 416"TI" or 410"TI" ASTM A582	Stainless Steel TYPE 416"TI" or 410"TI" ASTM A582	N/A
Coupling	Aluminum Alloy 6061-T6	Aluminum Alloy 6061-T6	N/A
Mechanical Seal	Ceramic/EPT	Ceramic/EPT	Tungsten Carbide/EPT or Silicon- Carbide/EPT
Seal Flush Line	Copper & Brass C3600	Copper & Brass C3600	N/A

N/A = Not available

Revised: 05/31/2017



Comments: \_\_\_\_\_



# Submittal Data Information

## KS Series Vertical Split Coupled Pumps

301-1156

EFFECTIVE: MAY 31, 2017

SUPERSEDES: JUNE 25, 2016

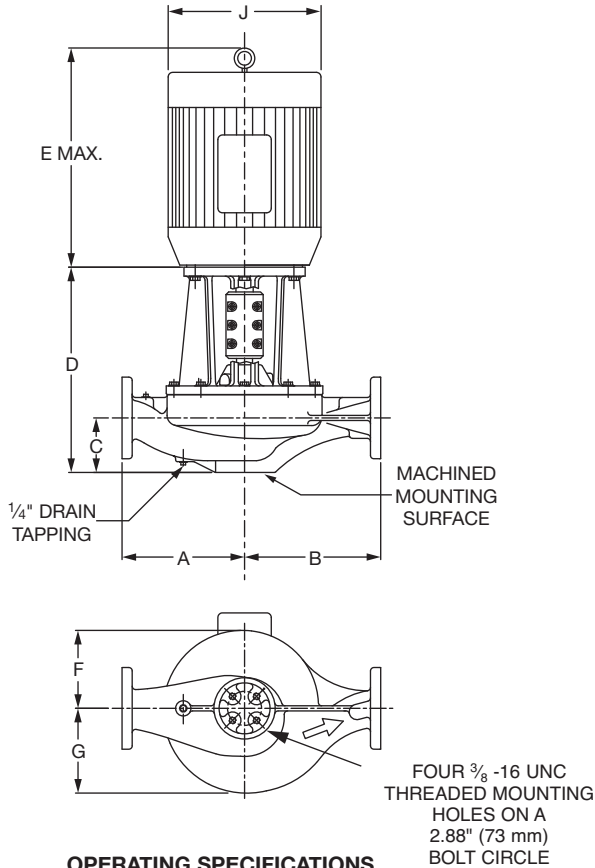
1760 RPM MODEL 4007

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

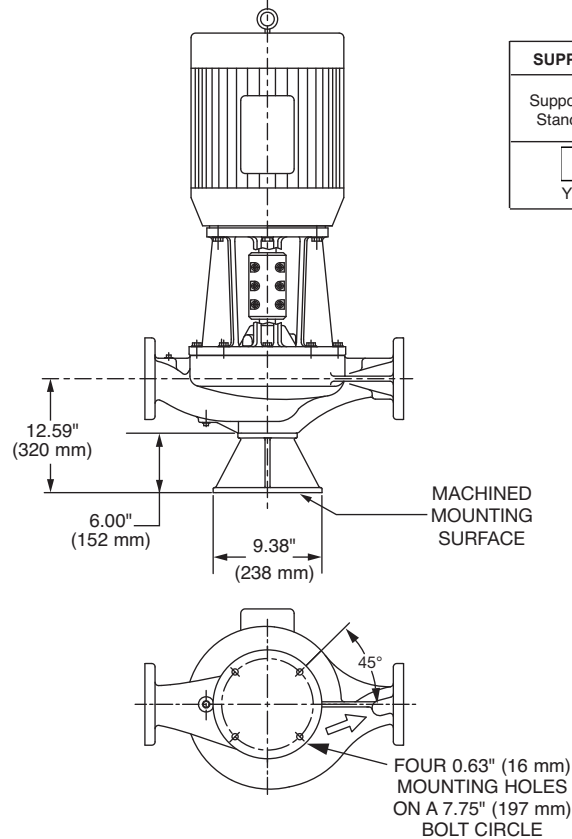
CONTRACTOR \_\_\_\_\_ REP. \_\_\_\_\_

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



SUPPORT STAND OPTION	
Support Stand	Ductile Iron ASTM A536-84 Grade 65-45-12
<input type="checkbox"/>	<input type="checkbox"/>
YES	NO

### 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

### MAXIMUM ASSEMBLY WEIGHT

Motor Frame	Weight without Optional Stand Lbs (Kg)	Weight with Optional Stand Lbs (Kg)
143CZ - 145CZ	263 (119)	282 (128)
182CZ - 184CZ	304 (138)	323 (147)
213CZ - 215CZ	348 (158)	367 (166)

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

### 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
4007	4 x 4 (102 x 102)	145CZ	2	4  (102)	11.00 (279) if ANSI Class 125	11.00 (279) if ANSI Class 125	6.59  (167)	17.64 (448)	14.05 (357)	5.64  (143)	6.80  (173)	0.25  (6)	7.05 (179)
		182CZ	3					17.64 (448)	15.64 (397)				8.49 (216)
		184CZ	5					17.64 (448)	16.68 (424)				8.49 (216)
		213CZ	7.5					17.64 (448)	19.13 (486)				10.18 (259)
					11.32 (288) if ANSI Class 250	11.32 (288) if ANSI Class 250							

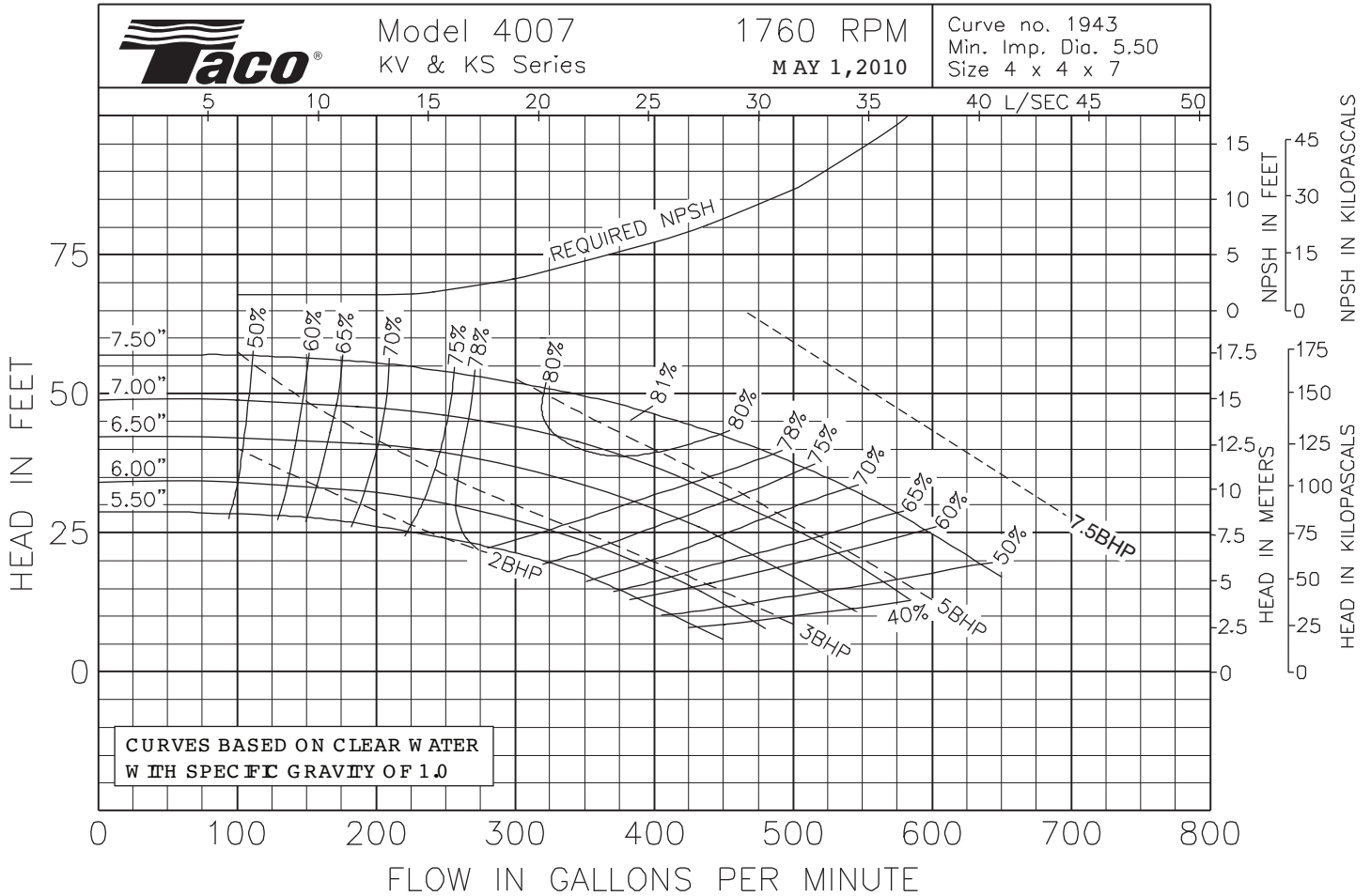
English dimensions are in inches. Metric dimensions are in millimeters. Metric data is presented in ( ).  
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**MATERIALS OF CONSTRUCTION**

	BRONZE FITTED		
	STANDARD PUMP CONSTRUCTION		OPTIONAL
	125# Flange	250# Flange	125# or 250#
Casing	Cast Iron ASTM A48/ A48M-03 Class 30A	Ductile Iron ASTM A536-84 Grade 65-45-12	N/A
Impeller	Bronze ASTM B584 ALLOY C83600 or C84400	Bronze ASTM B584 ALLOY C83600 or C84400	N/A
Wear Ring	N/A	N/A	Bronze ASTM B584-98A C92200
Shaft	Stainless Steel TYPE 416"™" or 410"™" ASTM A582	Stainless Steel TYPE 416"™" or 410"™" ASTM A582	N/A
Coupling	Aluminum Alloy 6061-T6	Aluminum Alloy 6061-T6	N/A
Mechanical Seal	Ceramic/EPT	Ceramic/EPT	Tungsten Carbide/EPT or Silicon-Carbide/EPT
Seal Flush Line	Copper & Brass C3600	Copper & Brass C3600	N/A

N/A = Not available

Revised: 05/31/2017



Comments: \_\_\_\_\_



# Submittal Data Information

## KS Series Vertical Split Coupled Pumps

301-1170

EFFECTIVE: MAY 31, 2017

SUPERSEDES: JUNE 25, 2016

3500 RPM MODEL 4007

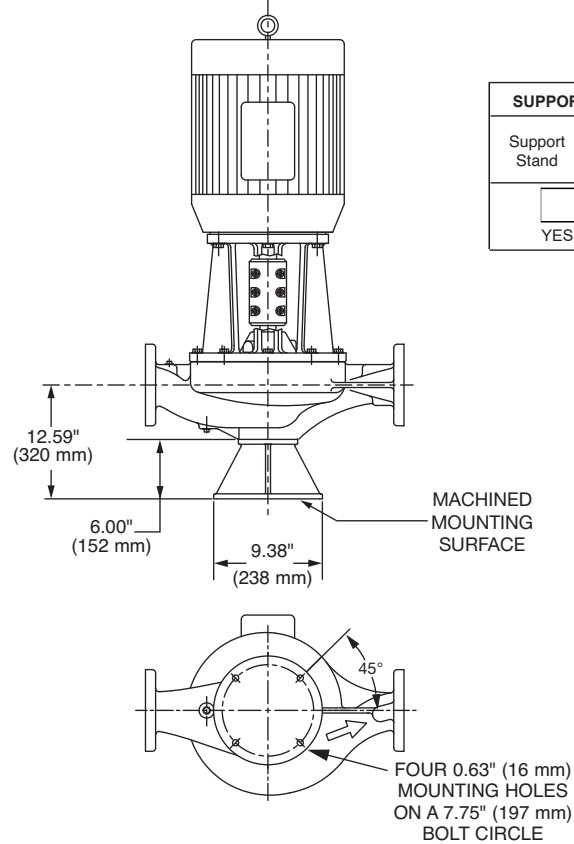
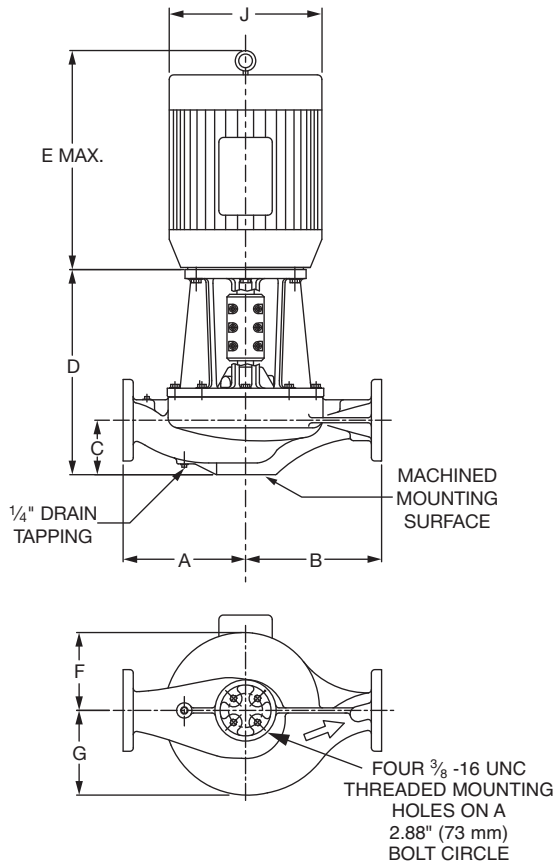
JOB \_\_\_\_\_ ENGINEER \_\_\_\_\_

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



SUPPORT STAND OPTION	
Support Stand	Ductile Iron ASTM A536-84 Grade 65-45-12
<input type="checkbox"/> YES	<input type="checkbox"/> NO

### OPERATING SPECIFICATIONS

	Standard		Optional
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

### MAXIMUM ASSEMBLY WEIGHT

Motor Frame	Weight without Optional Stand Lbs (Kg)	Weight with Optional Stand Lbs (Kg)
213CZ - 215CZ	392 (178)	411 (186)
254CZ - 256CZ	595 (270)	614 (279)
284CZ - 286CZ	739 (335)	758 (344)
324CZ - 326CZ	912 (414)	931 (422)

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

### 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
4007	4 x 4 (102 x 102)	215CZ	15	4 (102)	11.00 (279) if ANSI Class 125	11.00 (279) if ANSI Class 125	6.59 (167)	17.64 (448)	20.63 (524)	5.64 (143)	6.80 (173)	0.25 (6)	10.18 (259)
		254CZ	20					20.88 (530)	24.36 (619)				12.88 (327)
		256CZ	25					20.88 (530)	26.11 (663)				12.88 (327)
		284CZ	30					20.88 (530)	27.94 (710)				14.63 (372)
		286CZ	40		20.88 (530)	29.14 (740)		14.63 (372)					
		324CZ	50		22.63 (575)	31.07 (789)		16.50 (419)					

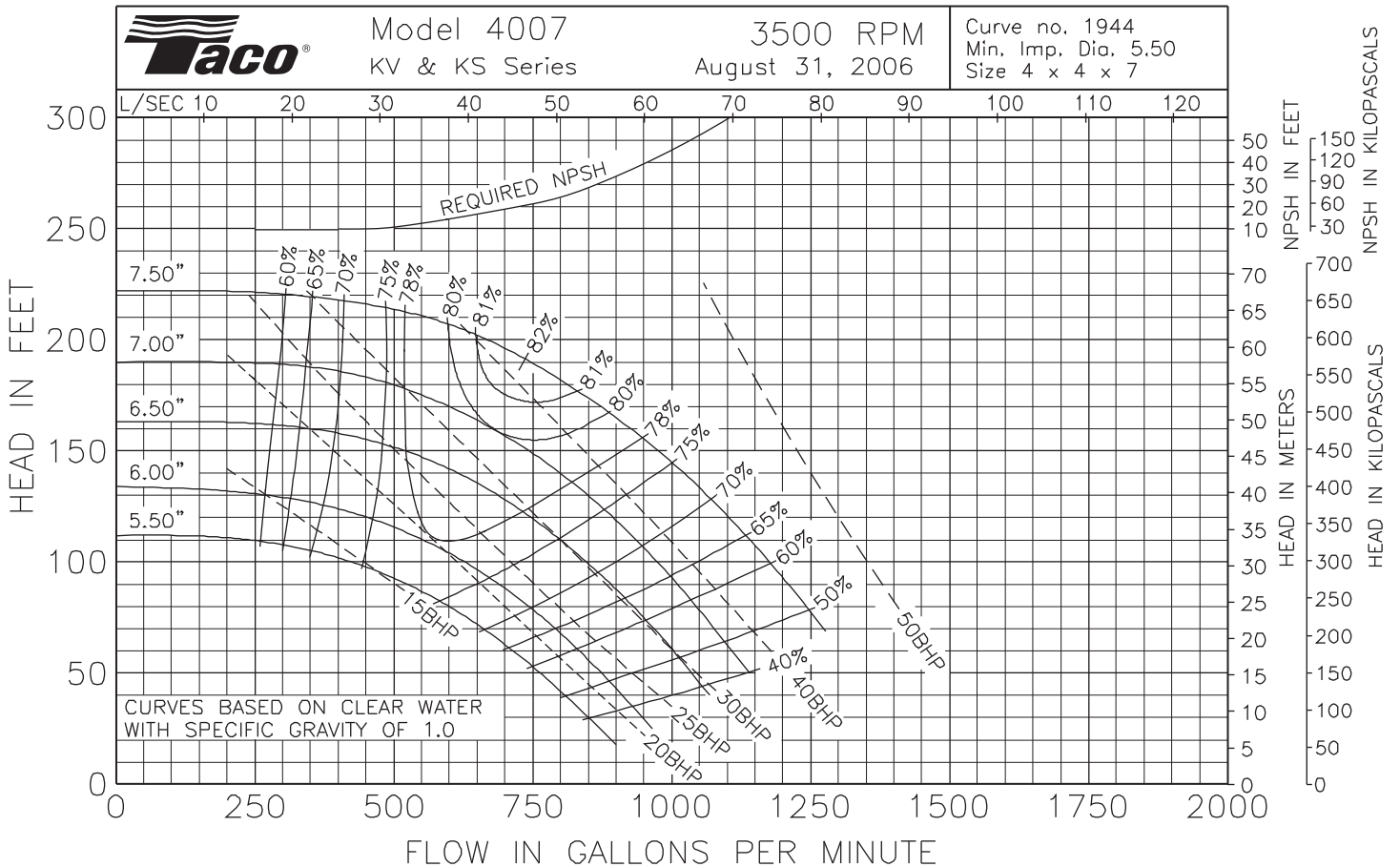
English dimensions are in inches. Metric dimensions are in millimeters. Metric data is presented in ( ).  
 Do not use for construction purposes unless certified.

**MATERIALS OF CONSTRUCTION**

	BRONZE FITTED		
	STANDARD PUMP CONSTRUCTION		OPTIONAL
	125# Flange	250# Flange	125# or 250#
Casing	Cast Iron ASTM A48/ A48M-03 Class 30A	Ductile Iron ASTM A536-84 Grade 65-45-12	N/A
Impeller	Bronze ASTM B584 ALLOY C83600 or C84400	Bronze ASTM B584 ALLOY C83600 or C84400	N/A
Wear Ring	N/A	N/A	Bronze ASTM B584-98A C92200
Shaft	Stainless Steel TYPE 416"™" or 410"™" ASTM A582	Stainless Steel TYPE 416"™" or 410"™" ASTM A582	N/A
Coupling	Aluminum Alloy 6061-T6	Aluminum Alloy 6061-T6	N/A
Mechanical Seal	Ceramic/EPT	Ceramic/EPT	Tungsten Carbide/EPT or Silicon- Carbide/EPT
Seal Flush Line	Copper & Brass C3600	Copper & Brass C3600	N/A

N/A = Not available

Revised: 05/31/2017



Comments: \_\_\_\_\_



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# Submittal Data Information

## KS Series Vertical Split Coupled Pumps (50 Hz)

301-1184 I

EFFECTIVE: MAY 31, 2017

SUPERSEDES: JANUARY 8, 2010

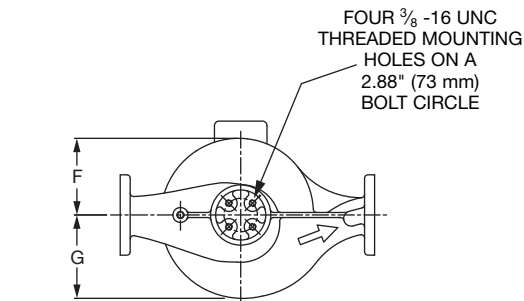
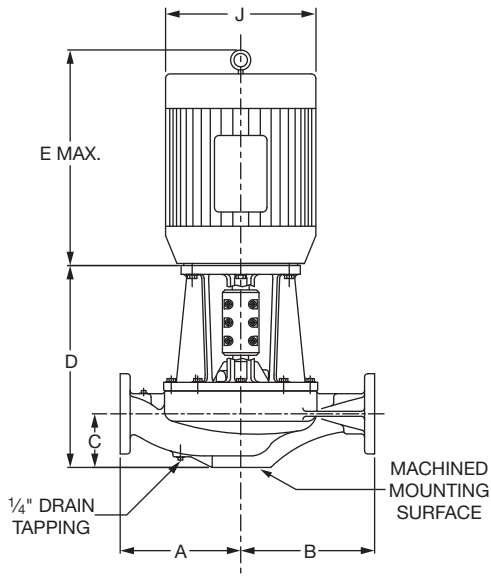
1450 RPM MODEL 4007

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

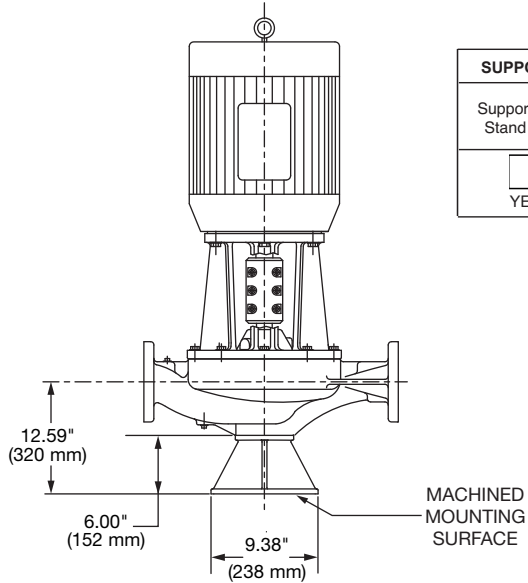
CONTRACTOR \_\_\_\_\_ REP. \_\_\_\_\_

ITEM NO.	MODEL NO.	IMPELLER DIA.	G.P.M.	HEAD/FT.	H.P.	ELEC. CHAR.

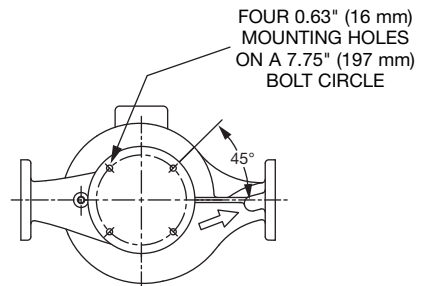
WEIGHT \_\_\_\_\_ PUMP/MOTOR \_\_\_\_\_



### PUMP WITH OPTIONAL SUPPORT STAND



SUPPORT STAND OPTION	
Support Stand	Ductile Iron ASTM A536-84 Grade 65-45-12
<input type="checkbox"/> YES	<input type="checkbox"/> NO



### DIMENSIONS

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

Model No.	Conn.	Motor Frame	HP 1450 RPM	Flange Size ASA	A*	B*	C	D	E MAX	F	G	H	J DIA
4007	4 x 4 (102 x 102)	143CZ	1	4  (102)	11.00 (279) if ANSI Class 125	11.00 (279) if ANSI Class 125	6.59  (167)	17.64 (448)	13.05 (331)	5.64  (143)	6.80  (173)	0.25  (6)	7.05 (179)
		145CZ	1.5					17.64 (448)	14.05 (357)				7.05 (179)
			2					17.64 (448)	14.05 (357)				7.05 (179)
		182CZ	3					17.64 (448)	15.64 (397)				8.49 (216)
		184CZ	5					17.64 (448)	16.68 (424)				8.49 (216)
					11.32 (288) if ANSI Class 250	11.32 (288) if ANSI Class 250							

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**

	BRONZE FITTED		
	STANDARD PUMP CONSTRUCTION		OPTIONAL 125# or 250#
	125# Flange	250# Flange	
Casing	Cast Iron ASTM A48/ A48M-03 Class 30A	Ductile Iron ASTM A536-84 Grade 65-45-12	N/A
Impeller	Bronze ASTM B584 ALLOY C83600 or C84400	Bronze ASTM B584 ALLOY C83600 or C84400	N/A
Wear Ring	N/A	N/A	Bronze ASTM B584-98A C92200
Shaft	Stainless Steel TYPE 416"™ or 410"™ ASTM A582	Stainless Steel TYPE 416"™ or 410"™ ASTM A582	N/A
Coupling	Aluminum Alloy 6061-T6	Aluminum Alloy 6061-T6	N/A
Mechanical Seal	Ceramic/EPT	Ceramic/EPT	Tungsten Carbide/EPT or Silicon- Carbide/EPT
Seal Flush Line	Copper & Brass C3600	Copper & Brass C3600	N/A

N/A = Not available

Revised: 05/31/2017

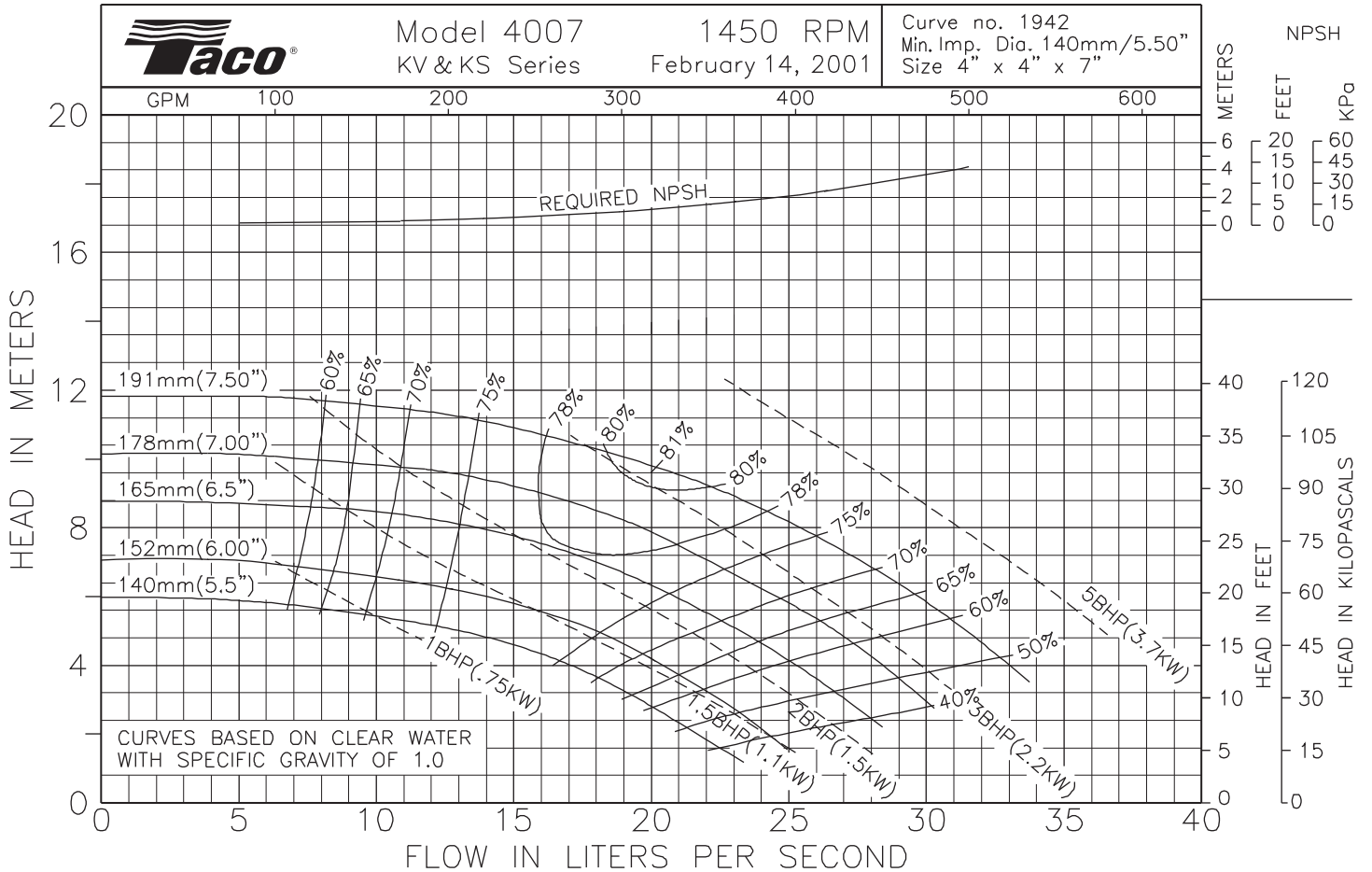
**OPERATING SPECIFICATIONS**

	Standard		Optional
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 ODP Frame (CZ Shaft)  
 \* 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)
143CZ - 145CZ	289 (131)	308 (140)
182CZ - 184CZ	334 (152)	353 (160)



Comments:



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# Submittal Data Information

## KS Series Vertical Split Coupled Pumps (50 Hz)

301-1216 I

EFFECTIVE: MAY 31, 2017

SUPERSEDES: JANUARY 8, 2010

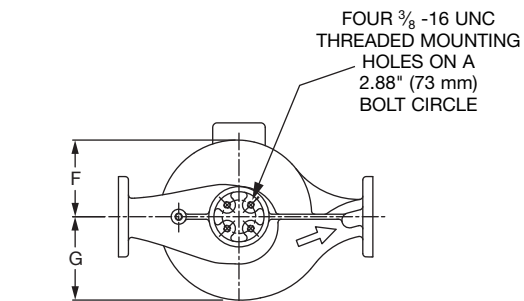
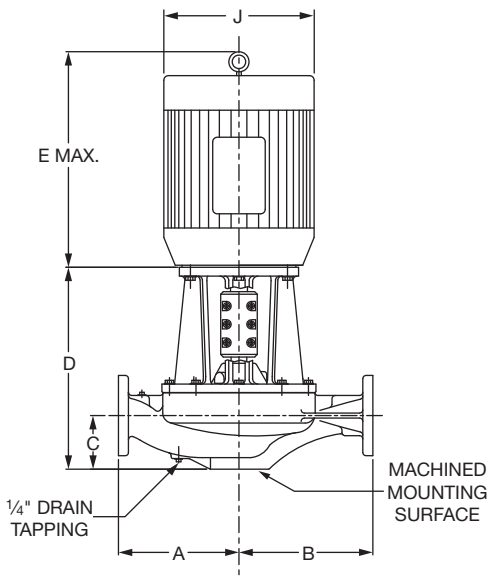
2900 RPM MODEL 4007

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

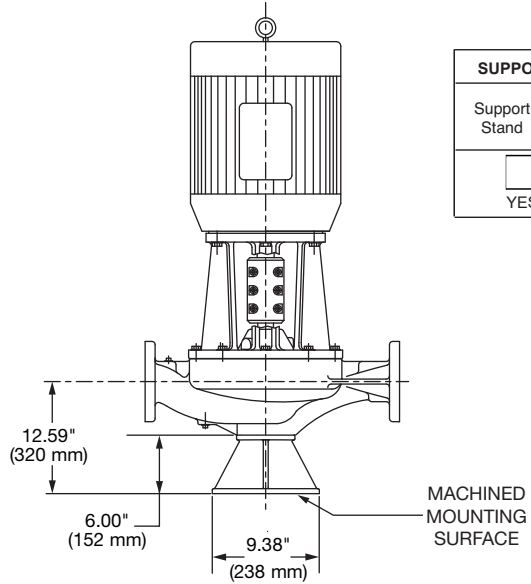
CONTRACTOR \_\_\_\_\_ REP. \_\_\_\_\_

ITEM NO.	MODEL NO.	IMPELLER DIA.	G.P.M.	HEAD/FT.	H.P.	ELEC. CHAR.

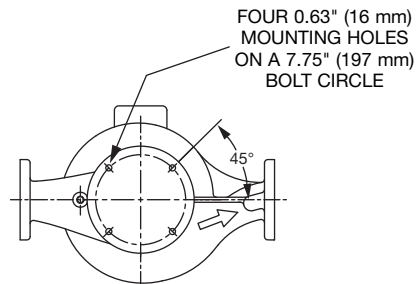
WEIGHT \_\_\_\_\_ PUMP/MOTOR \_\_\_\_\_



### PUMP WITH OPTIONAL SUPPORT STAND



SUPPORT STAND OPTION	
Support Stand	Ductile Iron ASTM A536-84 Grade 65-45-12
<input type="checkbox"/>	<input type="checkbox"/>
YES	NO



### DIMENSIONS

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

Model No.	Conn.	Motor Frame	HP 2900 RPM	Flange Size ASA	A*	B*	C	D	E MAX	F	G	H	J DIA
4007	4 x 4 (102 x 102)	213CZ	10	4 (102)	11.00 (279) if ANSI Class 125	11.00 (279) if ANSI Class 125	6.59 (167)	17.64 (448)	19.13 (486)	5.64 (143)	6.80 (173)	0.25 (6)	10.18 (259)
		215CZ	15					17.64 (448)	20.63 (524)				10.18 (259)
		254CZ	20					20.88 (530)	24.36 (619)				12.88 (327)
		256CZ	25		20.88 (530)	26.11 (663)		12.88 (327)					
		284CZ	30		20.88 (530)	27.94 (710)		14.63 (372)					
					11.32 (288) if ANSI Class 250	11.32 (288) if ANSI Class 250							

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**

	BRONZE FITTED		
	STANDARD PUMP CONSTRUCTION		OPTIONAL
	125# Flange	250# Flange	125# or 250#
Casing	Cast Iron ASTM A48/ A48M-03 Class 30A	Ductile Iron ASTM A536-84 Grade 65-45-12	N/A
Impeller	Bronze ASTM B584 ALLOY C83600 or C84400	Bronze ASTM B584 ALLOY C83600 or C84400	N/A
Wear Ring	N/A	N/A	Bronze ASTM B584-98A C92200
Shaft	Stainless Steel TYPE 416™™ or 410™™ ASTM A582	Stainless Steel TYPE 416™™ or 410™™ ASTM A582	N/A
Coupling	Aluminum Alloy 6061-T6	Aluminum Alloy 6061-T6	N/A
Mechanical Seal	Ceramic/EPT	Ceramic/EPT	Tungsten Carbide/EPT or Silicon Carbide/EPT
Seal Flush Line	Copper & Brass C3600	Copper & Brass C3600	N/A

N/A = Not available

Revised: 05/31/2017

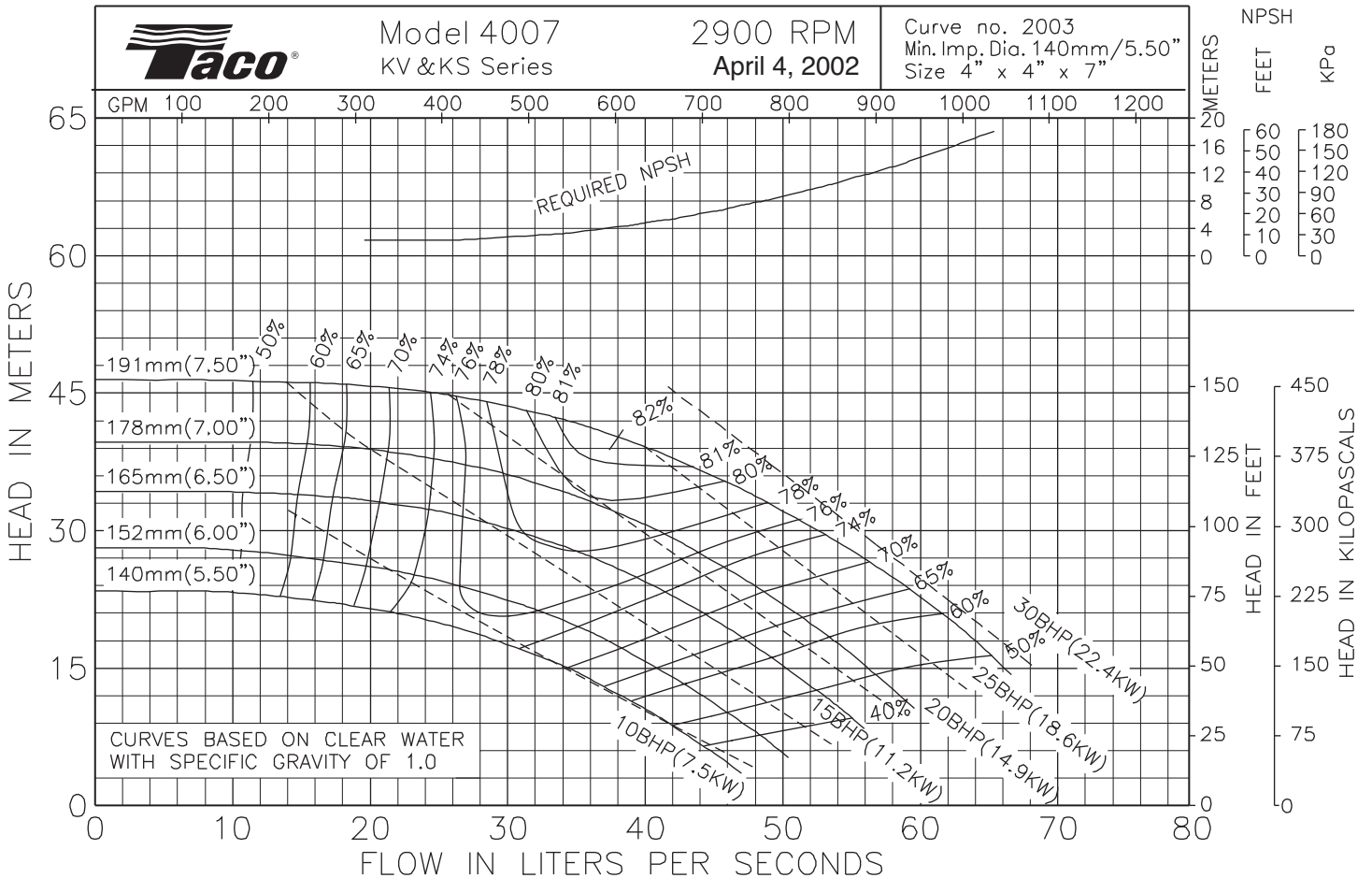
**OPERATING SPECIFICATIONS**

	Standard		Optional
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 ODP Frame (CZ Shaft)  
 \* 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)
213CZ - 215CZ	431 (196)	450 (204)
254CZ - 256CZ	655 (297)	674 (306)
284CZ - 286CZ	813 (269)	832 (377)



Comments:



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