



Submittal Data Information CI Series Pumps

301-1306

EFFECTIVE: NOVEMBER 1, 2009

SUPERSEDES: JANUARY 31, 2004

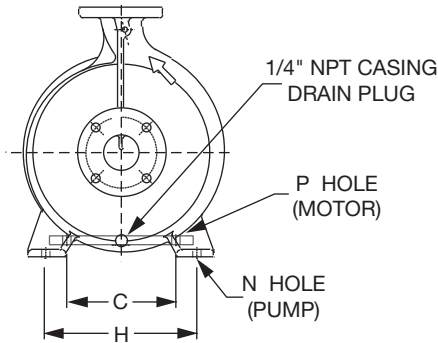
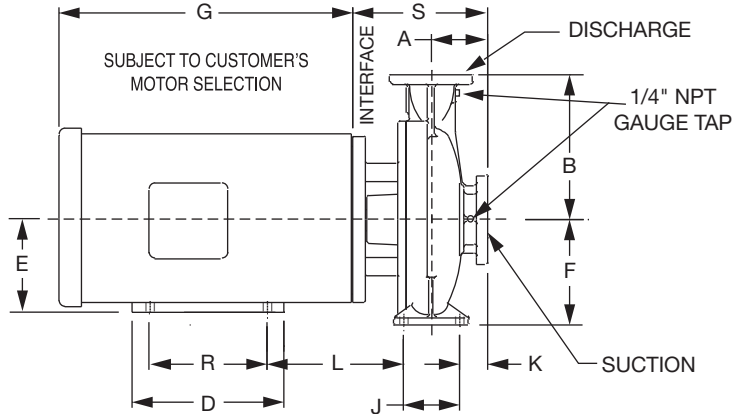
1160 RPM MODEL 1207

JOB _____ ENGINEER _____

CONTRACTOR _____ REP. _____

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

WEIGHT _____ PUMP/MOTOR _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
1207 2 x 1 1/4 (51 x 32)	0.75	4.01 (102)	7.50 (191)	2.63 (67)	8.31 (211)

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125						
1207 2 x 1 1/4 (51 x 32)	143JM	0.75	3.75 (95)	7.25 (184)	5.5 (140)	5.94 (151)	3.5 (89)	6.30 (160)	10.00 (254)	8.34 (212)	2.76 (70)	2.37 (60)	5.79 (147)	0.62 (16)	0.34 (9)	4.0 (101)	8.05 (204)						

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/ EPT	CF	Ceramic/ EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

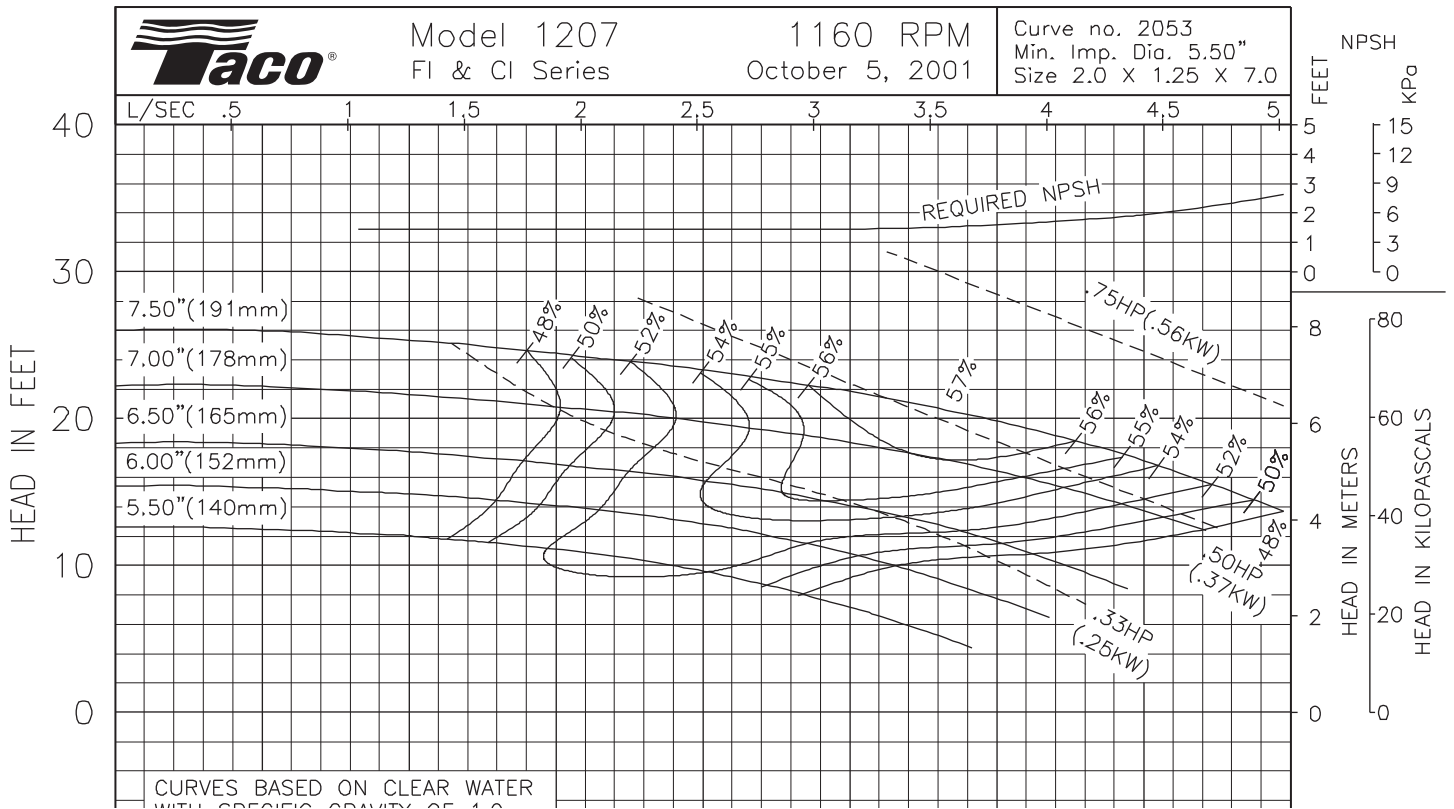
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
143JM - 145JM	101 (46)



Comments:

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Submittal Data Information CI Series Pumps

301-1309

EFFECTIVE: NOVEMBER 1, 2009

SUPERSEDES: JANUARY 31, 2004

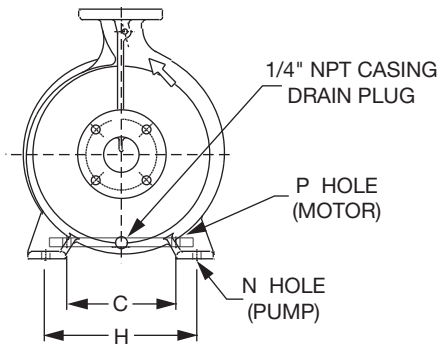
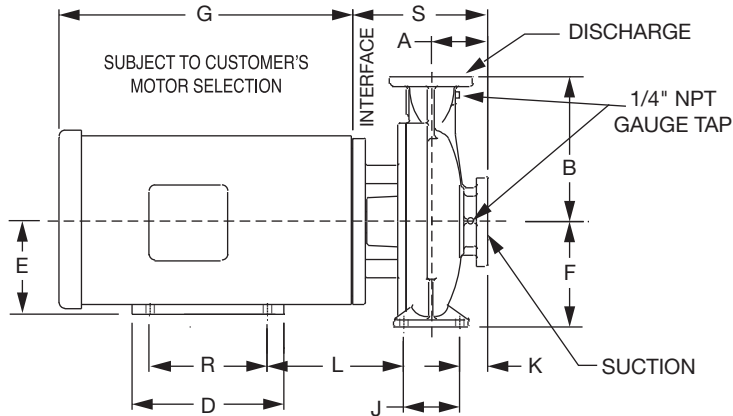
1160 RPM MODEL 1507

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
1507 2½ x 1½ (64 x 38)	0.75	4.06 (103)	7.00 (178)	2.68 (68)	8.41 (214)
	1				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125								
1507 2½ x 1½ (64 x 38)	143JM	0.75	3.75 (95)	6.75 (171)	5.5 (140)	5.94 (151)	3.5 (89)	6.30 (160)	10.00 (254)	8.34 (212)	2.76 (70)	2.37 (60)	5.84 (148)	0.62 (16)	0.34 (9)	4.0 (101)	8.10 (206)								
	145JM	1			5.5 (140)	5.94 (151)	3.5 (89)		10.00 (254)				5.84 (148)		0.34 (9)	5.0 (127)									

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/EPT	CF	Ceramic/EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

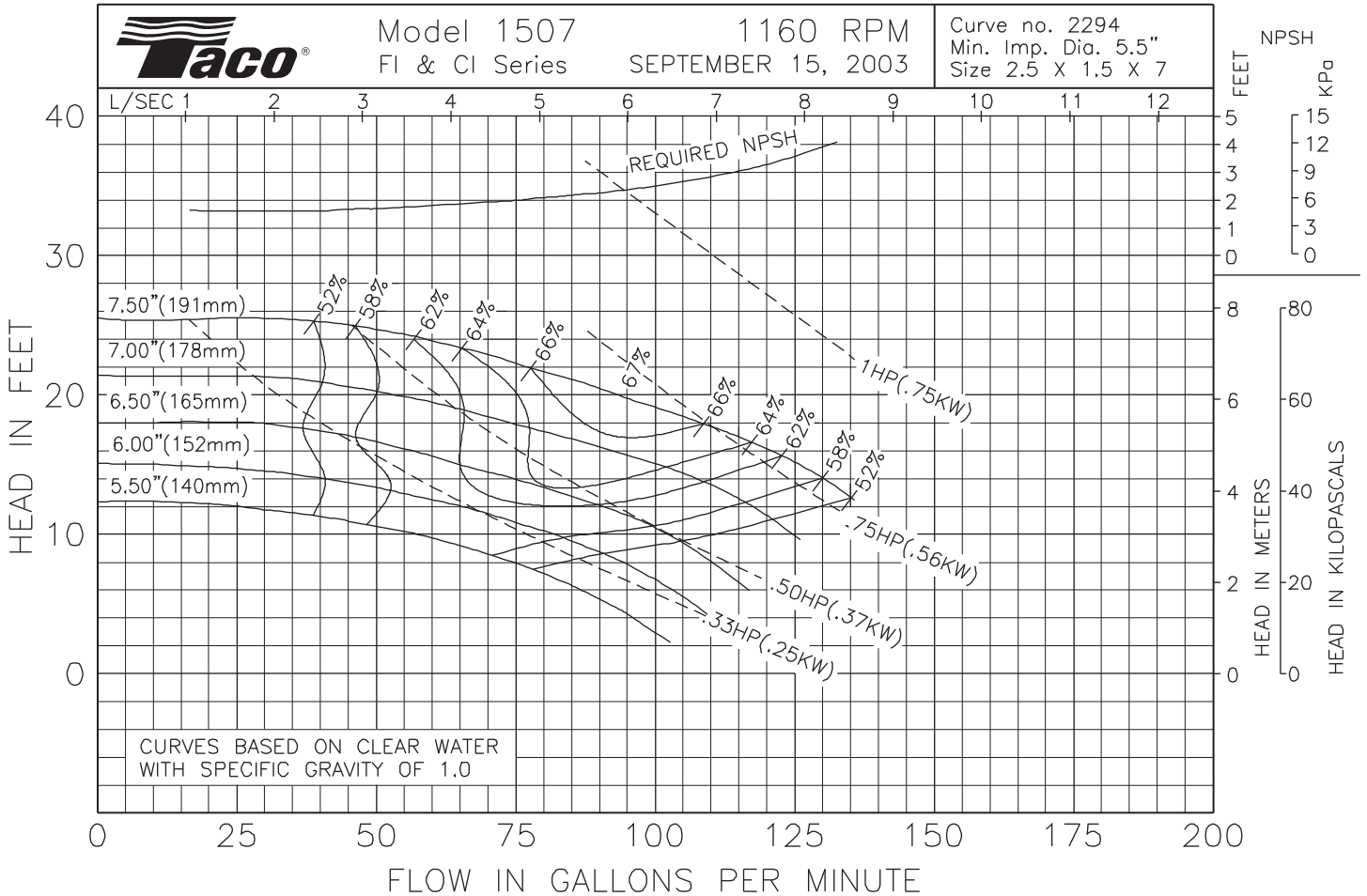
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
143JM - 145JM	118 (54)



Comments:

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Submittal Data Information CI Series Pumps

301-1321

EFFECTIVE: NOVEMBER 1, 2010

SUPERSEDES: NOVEMBER 1, 2009

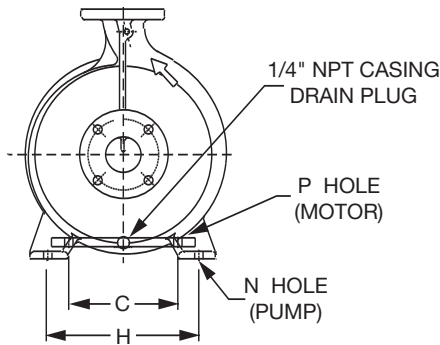
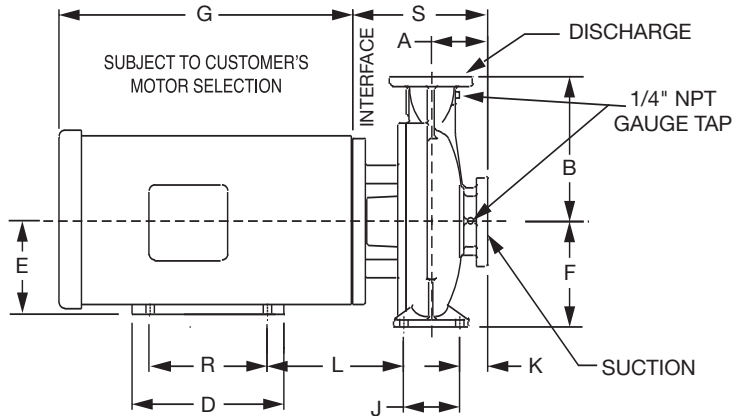
1160 RPM MODEL 1509

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
1509 2 1/2 x 1 1/2 (64 x 38)	0.75	4.87 (122)	8.25 (210)	3.00 (76)	9.23 (234)
	1				
	1.5				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
1509 2 1/2 x 1 1/2 (64 x 38)	143JM	0.75	4.56 (116)	8.00 (203)	5.5 (140)	5.94 (151)	3.50 (89)	7.09 (180)	10.00 (254)	9.84 (250)	3.76 (96)	2.69 (68)	5.35 (136)	0.62 (16)	0.34 (9)	4.0 (101)	8.93 (227)
	145JM	1			5.5 (140)	5.94 (151)	3.50 (89)		10.00 (254)				5.35 (136)		0.34 (9)	5.0 (127)	
	182JM	1.5			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				5.98 (152)		0.41 (10)	4.5 (114)	

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Do not use for construction purposes unless certified.

MATERIALS OF CONSTRUCTION

Item	BRONZE FITTED		ALL IRON	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/EPT	CF	Ceramic/EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

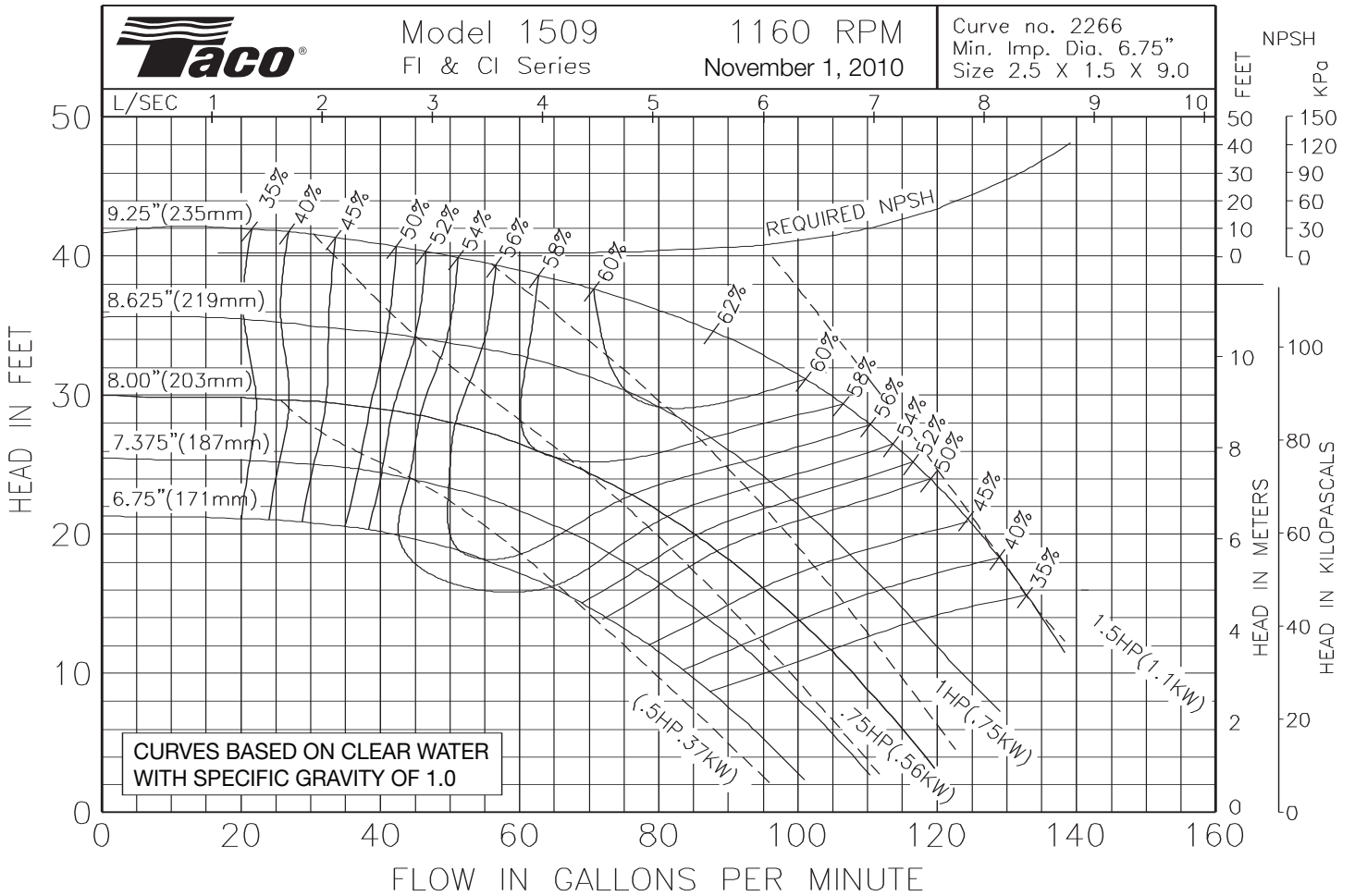
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
143JM - 145JM	141 (64)
182JM - 184JM	157 (71)



Comments:

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Submittal Data Information

CI Series Pumps

301-1333

EFFECTIVE: NOVEMBER 1, 2009

SUPERSEDES: OCTOBER 31, 2004

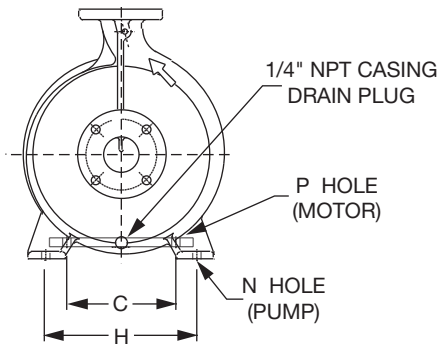
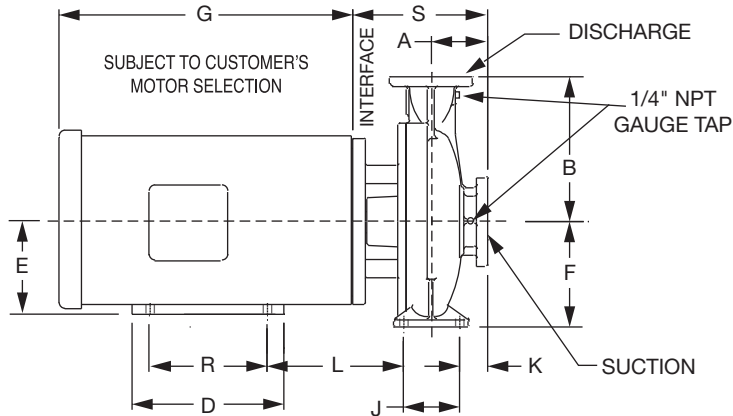
1160 RPM MODEL 1511

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
1511 2½ x 1½ (64 x 38)	1	4.88 (124)	9.75 (248)	2.52 (64)	9.19 (234)
	1.5				
	2				
	3				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
1511 2½ x 1½ (64 x 38)	145JM	1	4.56 (116)	9.5 (241)	5.5 (140)	5.94 (151)	3.50 (89)	7.87 (200)	10.00 (254)	11.02 (280)	4.72 (120)	2.20 (56)	4.82 (123)	0.75 (19)	0.34 (9)	5.0 (127)	8.87 (225)
	182JM	1.5			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				5.45 (138)		0.41 (10)	4.5 (114)	
	184JM	2			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				5.45 (138)		0.41 (10)	5.5 (140)	
	213JM	3			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				6.45 (164)		0.41 (10)	5.5 (140)	

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/EPT	CF	Ceramic/EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

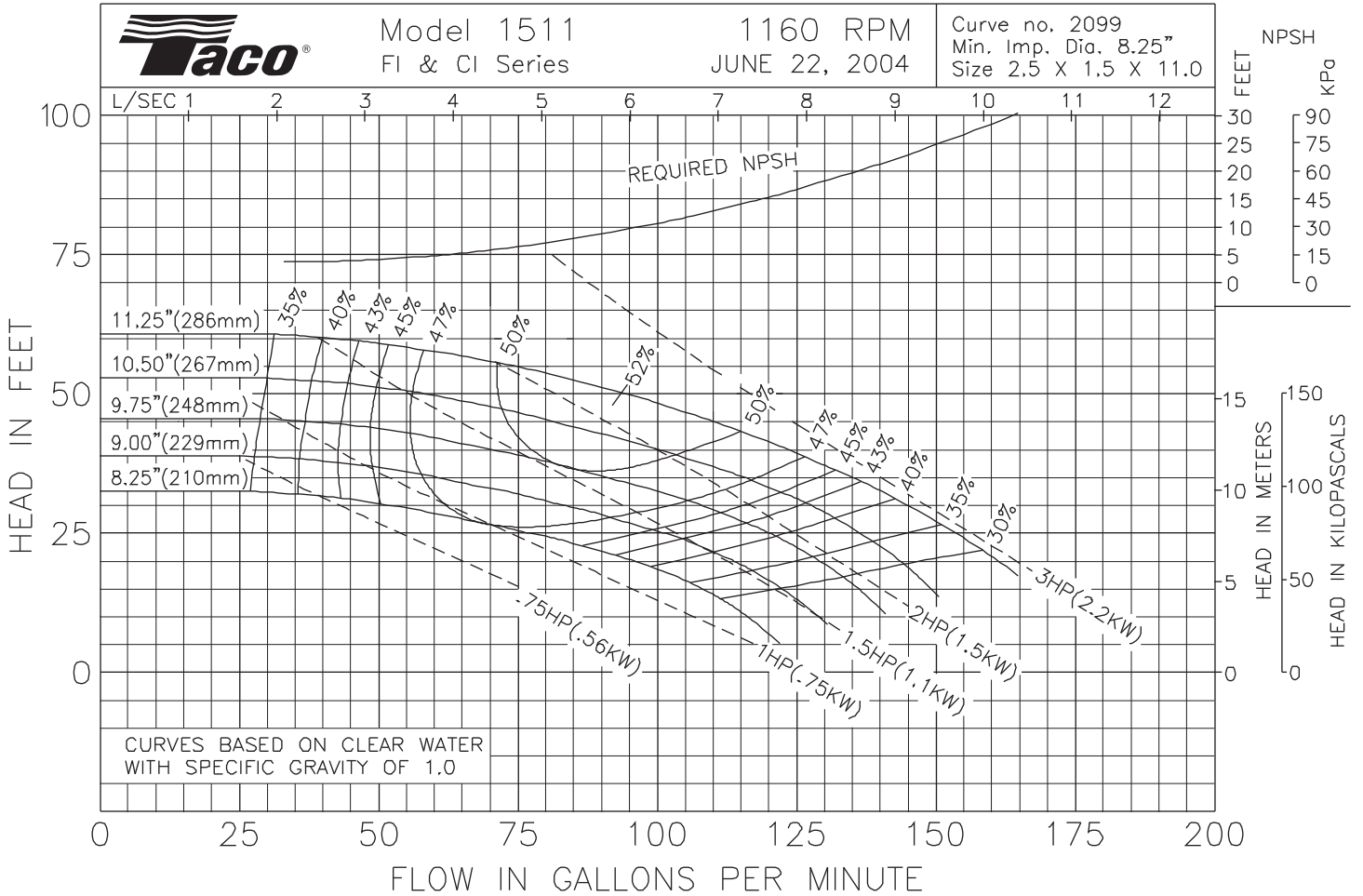
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
143JM - 145JM	166 (75)
182JM - 184JM	206 (93)
213JM - 215JM	240 (109)



Comments:

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Submittal Data Information CI Series Pumps

301-1368

EFFECTIVE: NOVEMBER 1, 2010

SUPERSEDES: NOVEMBER 1, 2009

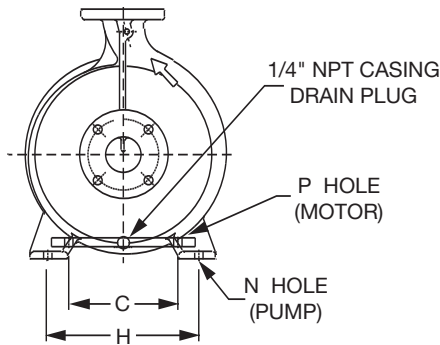
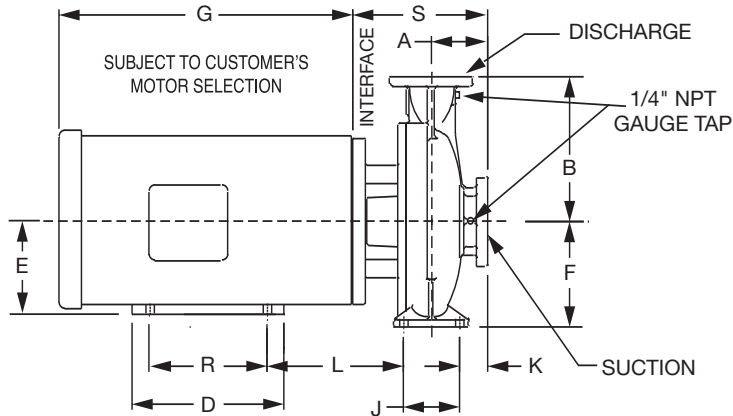
1160 RPM MODEL 2007

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
2007 2½ x 2 (64 x 51)	0.75	5.03 (128)	8.00 (203)	3.66 (93)	9.61 (244)
	1				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
2007 2½ x 2 (64 x 51)	143JM	0.75	4.72 (120)	7.75 (197)	5.5 (140)	5.94 (151)	3.5 (89)	6.30 (160)	10.00 (254)	8.34 (212)	2.76 (70)	3.35 (85)	6.08 (154)	0.62 (16)	0.34 (9)	4.0 (101)	9.30 (236)
	145JM	1			5.5 (140)	5.94 (151)	3.5 (89)		10.00 (254)				6.08 (154)		0.34 (9)	5.0 (127)	

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/ EPT	CF	Ceramic/ EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

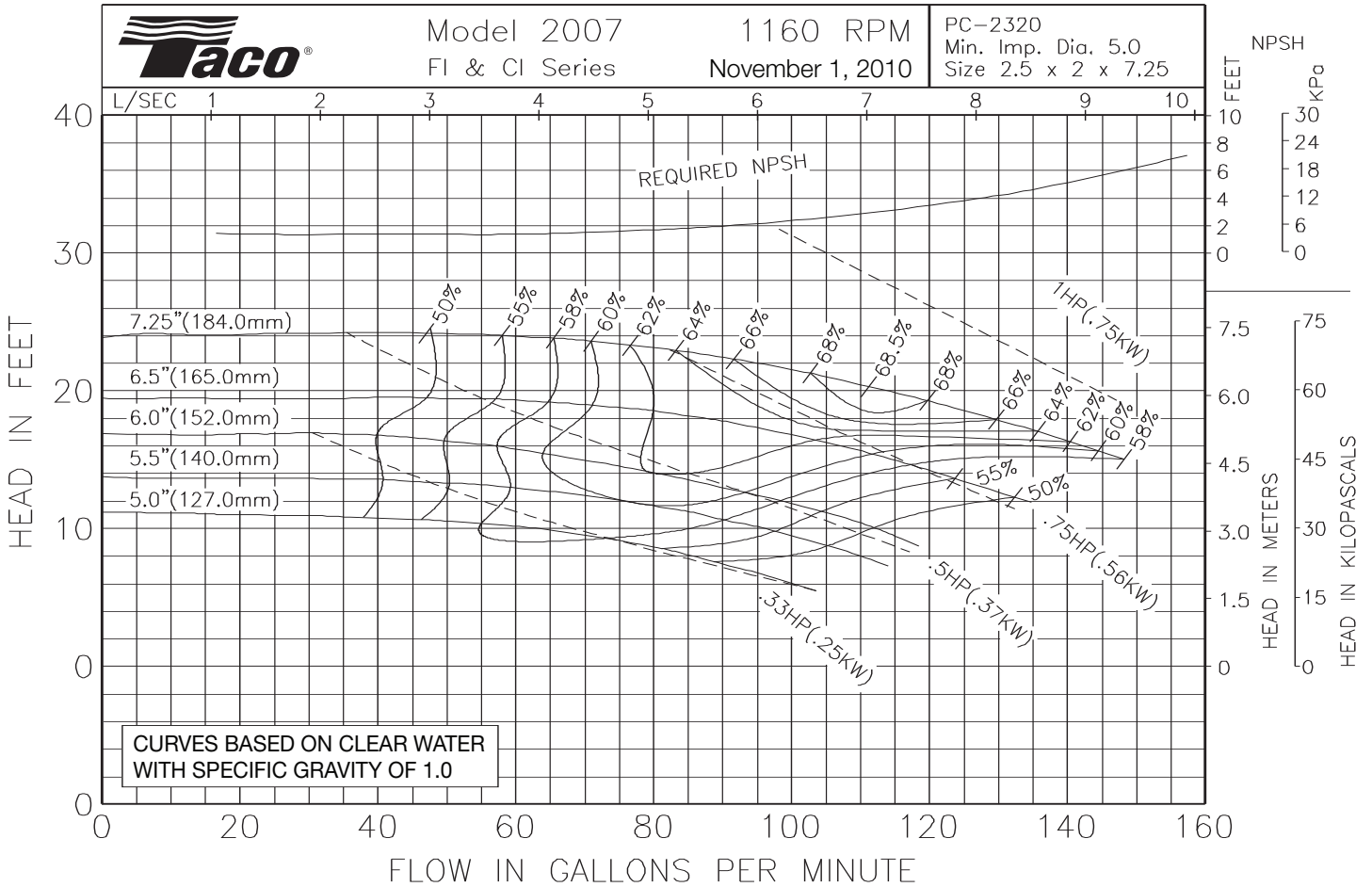
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
143JM - 145JM	137 (62)



Comments:

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Submittal Data Information CI Series Pumps

301-1371

EFFECTIVE: NOVEMBER 1, 2010

SUPERSEDES: NOVEMBER 1, 2009

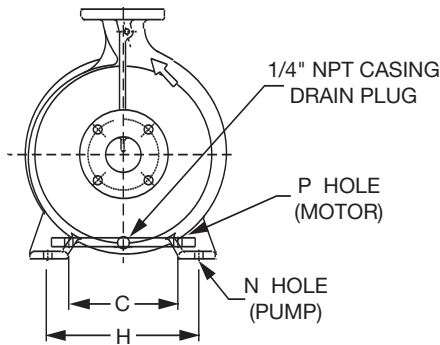
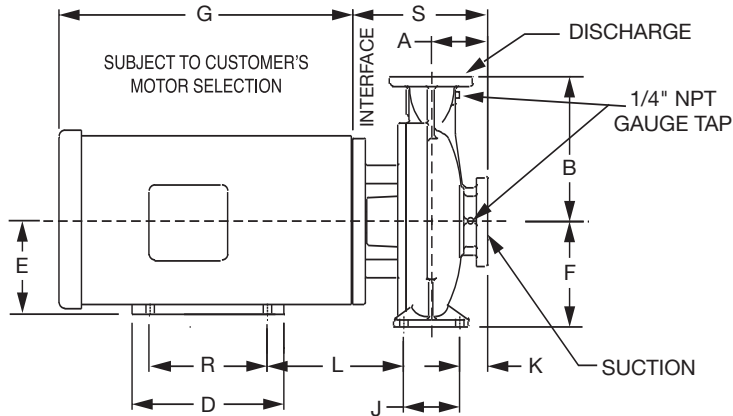
1160 RPM MODEL 2009

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
2009 2 1/2 x 2 (64 x 51)	0.75	5.03 (128)	9.00 (229)	3.16 (80)	9.58 (243)
	1				
	1.5				
	2				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
2009 2 1/2 x 2 (64 x 51)	143JM	0.75	4.72 (120)	8.75 (222)	5.5 (140)	5.94 (151)	3.50 (89)	7.09 (180)	10.00 (254)	9.84 (250)	3.75 (95)	2.85 (72)	5.55 (141)	0.62 (16)	0.34 (9)	4.0 (101)	9.27 (235)
	145JM	1			5.5 (140)	5.94 (151)	3.50 (89)		10.00 (254)				5.55 (141)		0.34 (9)	5.0 (127)	
	182JM	1.5			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				6.17 (157)		0.41 (10)	4.5 (114)	
	184JM	2			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				6.17 (157)		0.41 (10)	5.5 (140)	

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/ EPT	CF	Ceramic/ EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

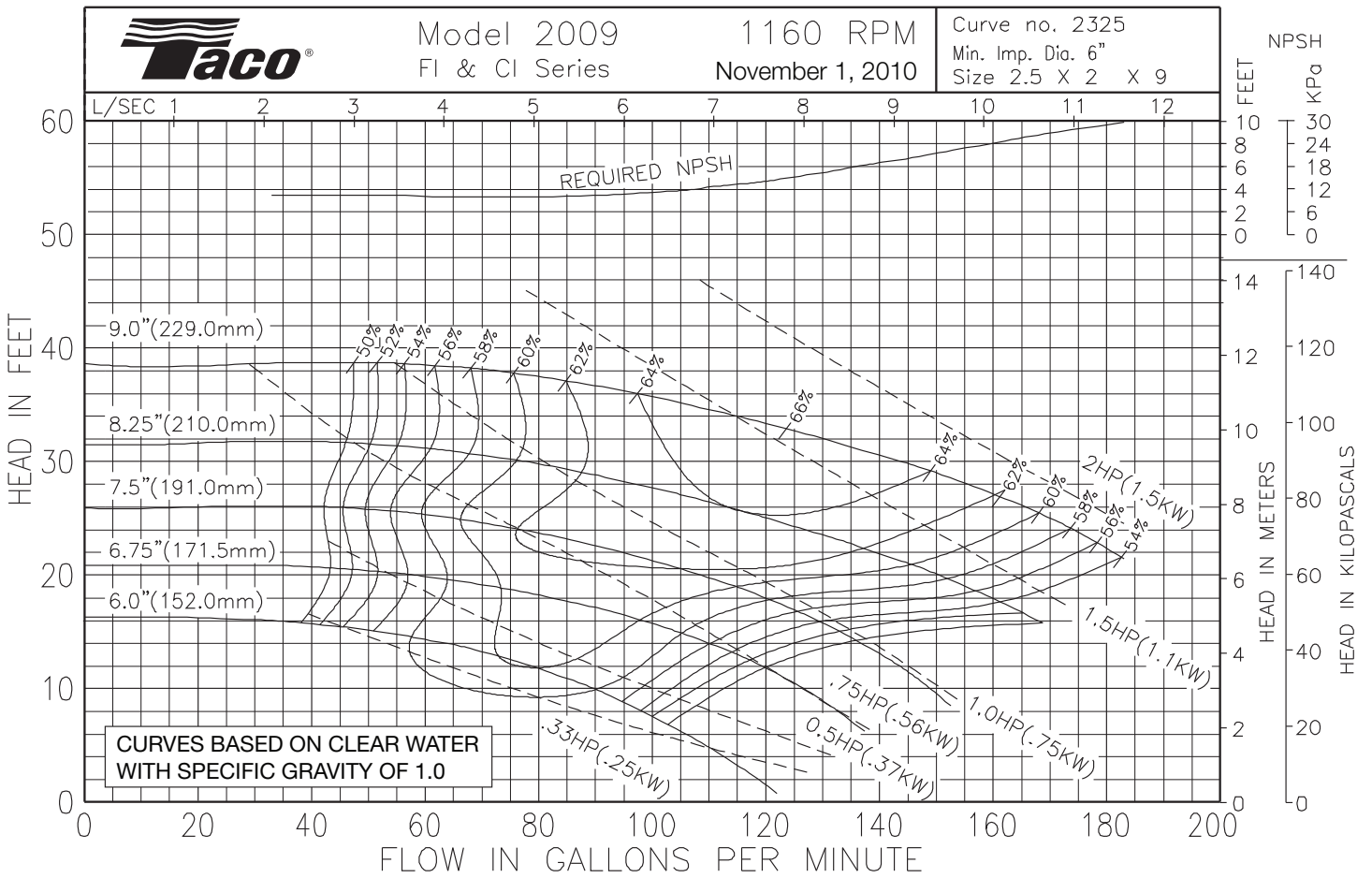
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
143JM - 145JM	143 (65)
182JM - 184JM	171 (78)



Comments:

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Submittal Data Information CI Series Pumps

301-1312

EFFECTIVE: NOVEMBER 1, 2009

SUPERSEDES: JANUARY 31, 2004

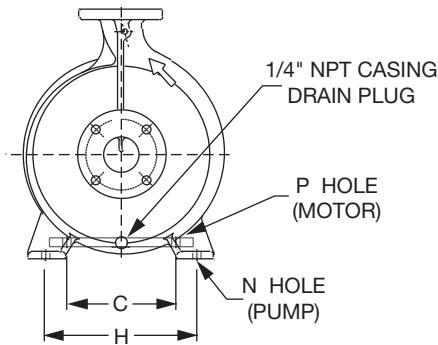
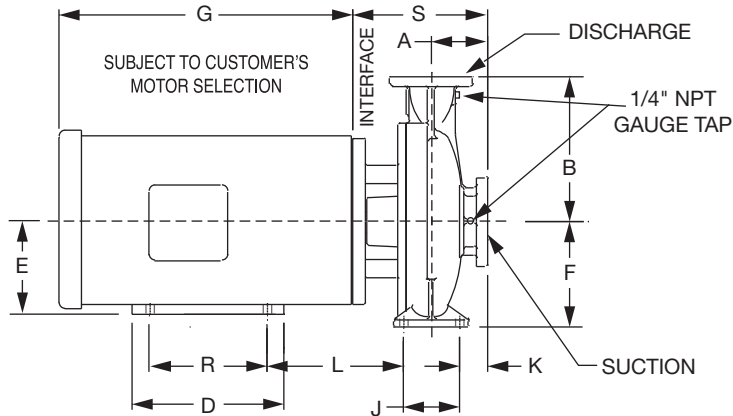
1160 RPM MODEL 2507

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
2507 3 x 2 1/2 (76 x 64)	0.75	5.09 (129)	8.14 (207)	3.22 (82)	9.33 (237)
	1				
	1.5				
	2				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
2507 3 x 2 1/2 (76 x 64)	143JM	0.75	4.72 (120)	7.83 (199)	5.5 (140)	5.94 (151)	3.5 (89)	7.09 (180)	10.00 (254)	9.84 (250)	3.74 (95)	2.85 (72)	5.24 (133)	0.63 (16)	0.34 (9)	4.0 (101)	8.96 (227)
	145JM	1			5.5 (140)	5.94 (151)	3.5 (89)		10.00 (254)				5.24 (133)		0.34 (9)	5.0 (127)	
	182JM	1.5			7.5 (191)	6.50 (165)	4.5 (114)		12.25 (311)				5.87 (149)		0.41 (10)	4.5 (114)	
	184JM	2			7.5 (191)	6.50 (165)	4.5 (114)		12.25 (311)				5.87 (149)		0.41 (10)	5.5 (140)	

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

Item	BRONZE FITTED		ALL IRON	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/ EPT	CF	Ceramic/ EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

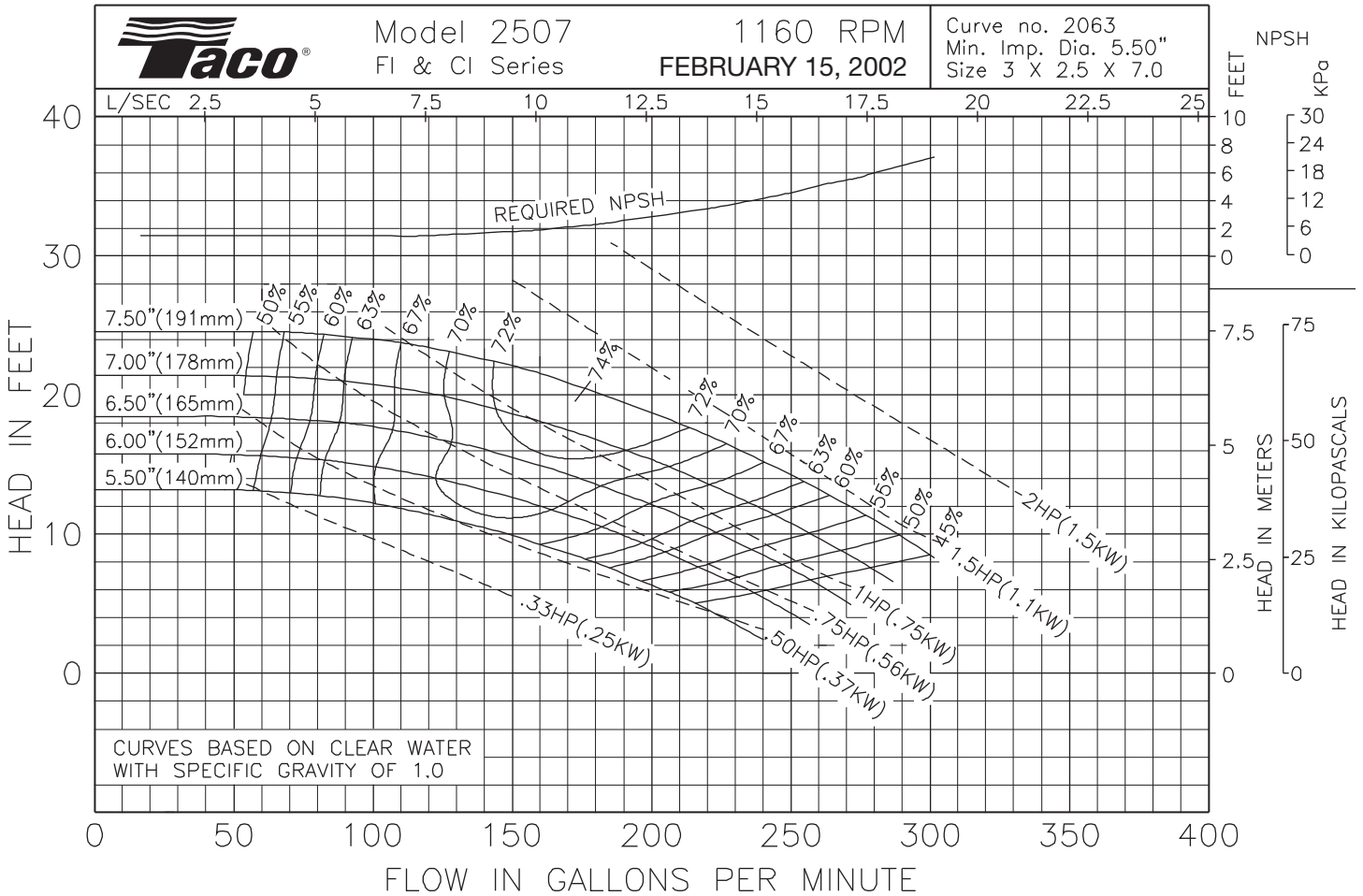
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
143JM - 145JM	112 (51)
182JM - 184JM	152 (69)



Comments:

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Submittal Data Information CI Series Pumps

301-1365

EFFECTIVE: NOVEMBER 1, 2009

SUPERSEDES: JANUARY 31, 2004

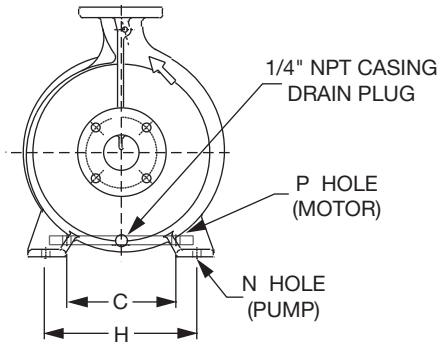
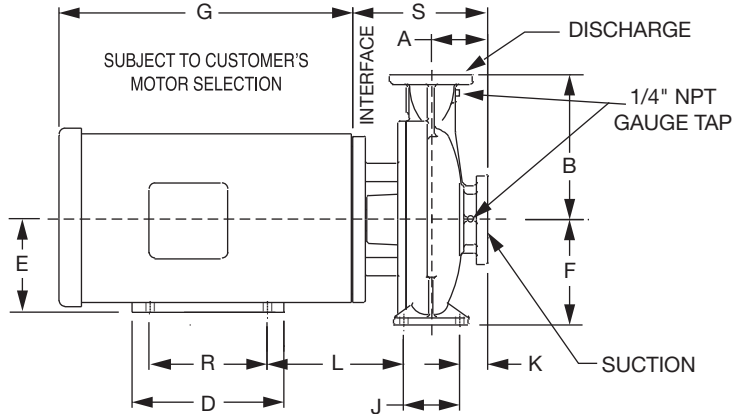
1160 RPM MODEL 2508

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
2508 3 x 2 1/2 (76 x 64)	1	5.09 (129)	8.56 (217)	3.22 (82)	9.48 (241)
	1.5				
	2				
	3				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
2508 3 x 2 1/2 (76 x 64)	145JM	1	4.72 (120)	8.25 (210)	5.5 (140)	5.94 (151)	3.50 (89)	7.09 (180)	10.00 (254)	9.84 (250)	3.75 (95)	2.85 (72)	5.40 (137)	0.62 (16)	0.34 (9)	5.0 (127)	9.11 (231)
	182JM	1.5			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				6.02 (153)		0.41 (10)	4.5 (114)	
	184JM	2			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				6.02 (153)		0.41 (10)	5.5 (140)	
	213JM	3			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				7.02 (178)		0.41 (10)	5.5 (140)	

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/ EPT	CF	Ceramic/ EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

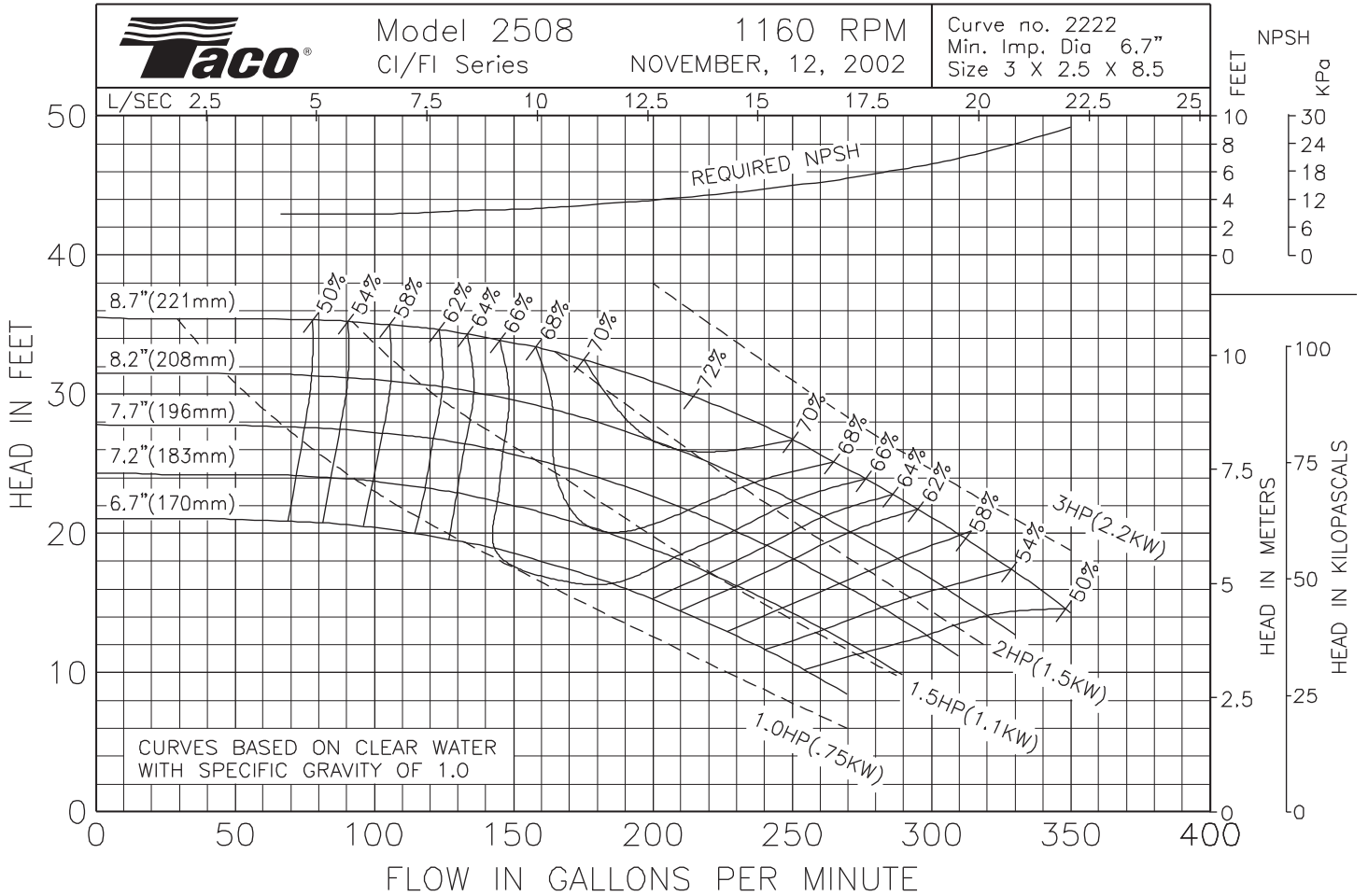
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
143JM - 145JM	124 (56)
182JM - 184JM	160 (73)
213JM - 215JM	190 (86)



Comments:

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Submittal Data Information CI Series Pumps

301-1324

EFFECTIVE: NOVEMBER 1, 2009

SUPERSEDES: JANUARY 31, 2004

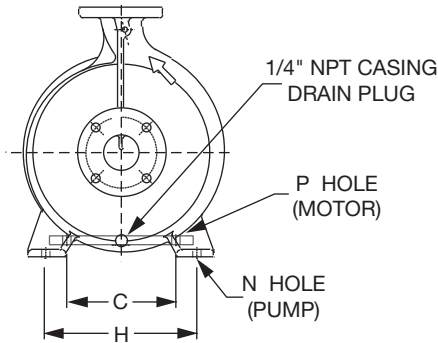
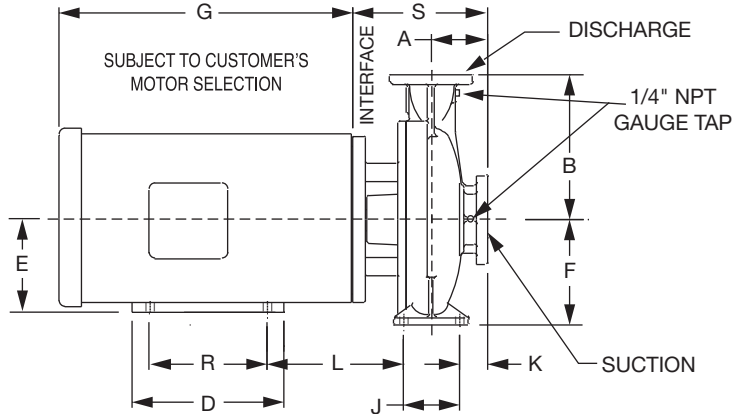
1160 RPM MODEL 2509

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
2509 3 x 2 1/2 (76 x 64)	0.75	5.09 (129)	9.31 (236)	3.21 (82)	9.39 (238)
	1				
	1.5				
	2				
	3				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
2509 3 x 2 1/2 (76 x 64)	143JM	0.75	4.72 (120)	9.00 (229)	5.5 (140)	5.94 (151)	3.50 (89)	7.09 (180)	10.00 (254)	9.84 (250)	3.76 (96)	2.84 (72)	5.29 (134)	0.63 (16)	0.34 (9)	4.0 (101)	9.02 (228)
	145JM	1			5.5 (140)	5.94 (151)	3.50 (89)		10.00 (254)				5.29 (134)		0.34 (9)	5.0 (127)	
	182JM	1.5			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				5.92 (150)		0.41 (10)	4.5 (114)	
	184JM	2			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				5.92 (150)		0.41 (10)	5.5 (140)	
	213JM	3			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				6.92 (176)		0.41 (10)	5.5 (140)	

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/ EPT	CF	Ceramic/ EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

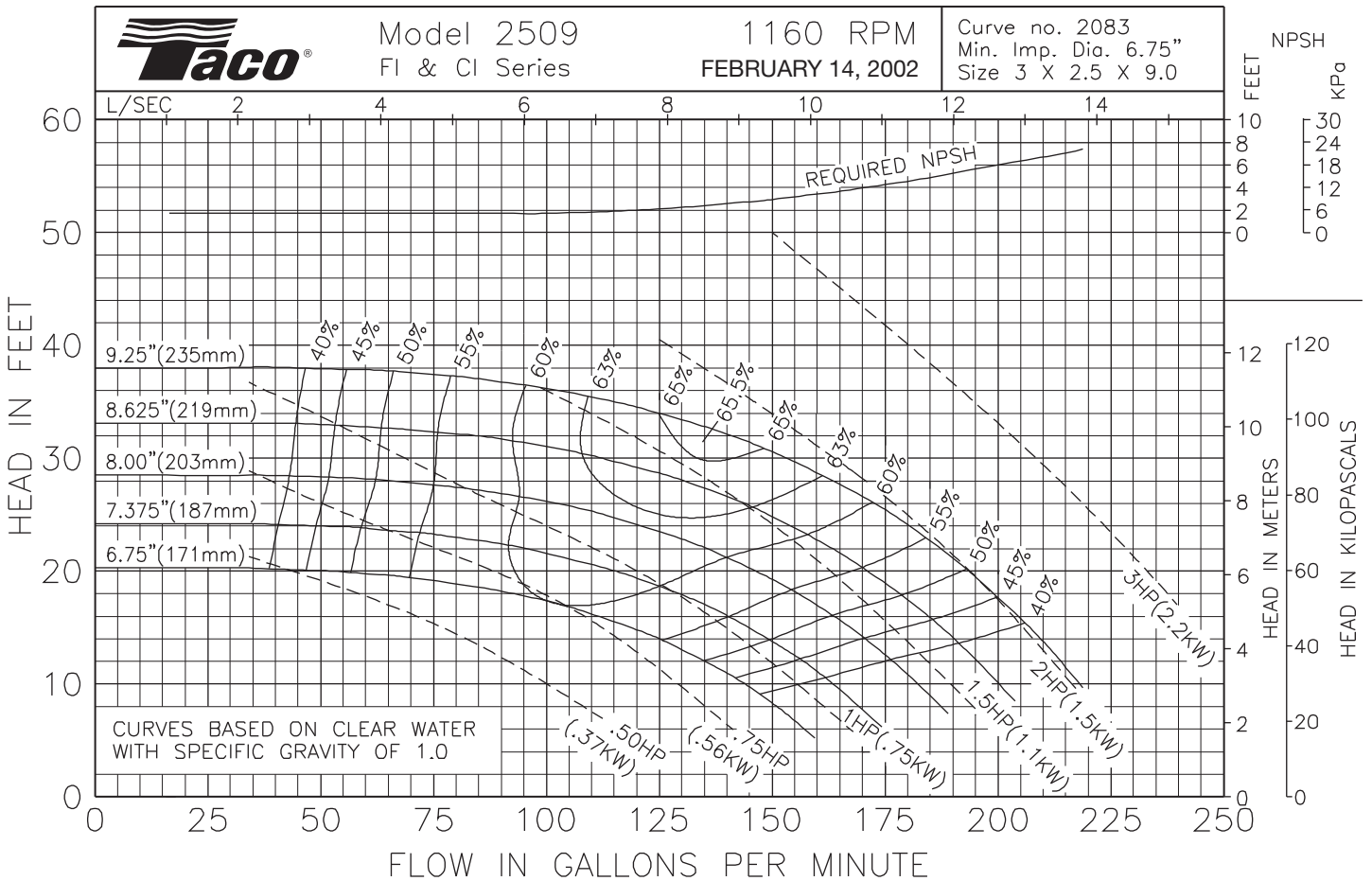
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
143JM - 145JM	150 (68)
182JM - 184JM	190 (86)
213JM - 215JM	148 (67)



Comments:

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Submittal Data Information CI Series Pumps

301-1470

EFFECTIVE: NOVEMBER 1, 2009

SUPERSEDES: JANUARY 31, 2003

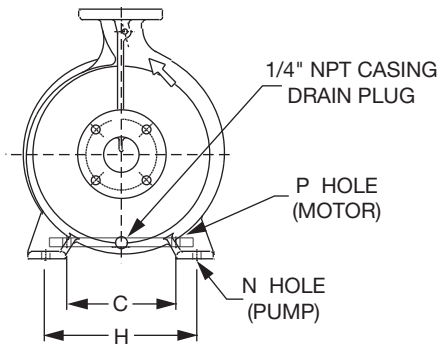
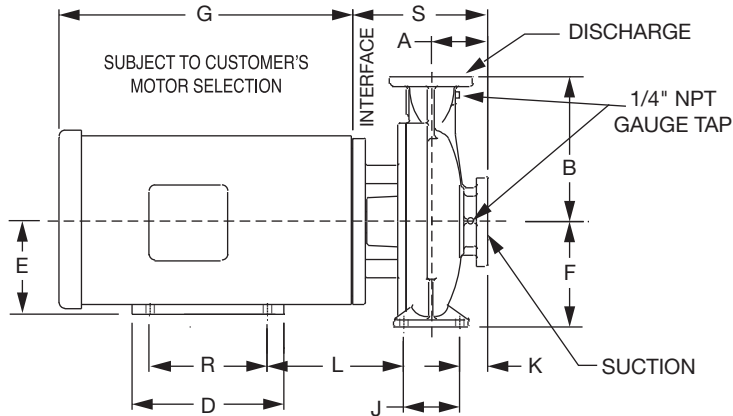
1160 RPM MODEL 2510

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
2510 3 x 2 1/2 (76 x 64)	2	5.09 (129)	10.06 (256)	2.73 (69)	9.60 (244)
	3				
	5				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
2510 3 x 2 1/2 (76 x 64)	184JM	2	4.72 (120)	9.75 (248)	7.5 (191)	6.50 (165)	4.50 (114)	7.87 (200)	12.25 (311)	11.02 (280)	4.72 (120)	2.36 (60)	5.65 (144)	0.62 (16)	0.41 (10)	5.50 (140)	9.23 (234)
	213JM	3			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				6.65 (169)		0.41 (10)	5.50 (140)	
	215JM	5			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				6.65 (169)		0.41 (10)	7.00 (178)	

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/ EPT	CF	Ceramic/ EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

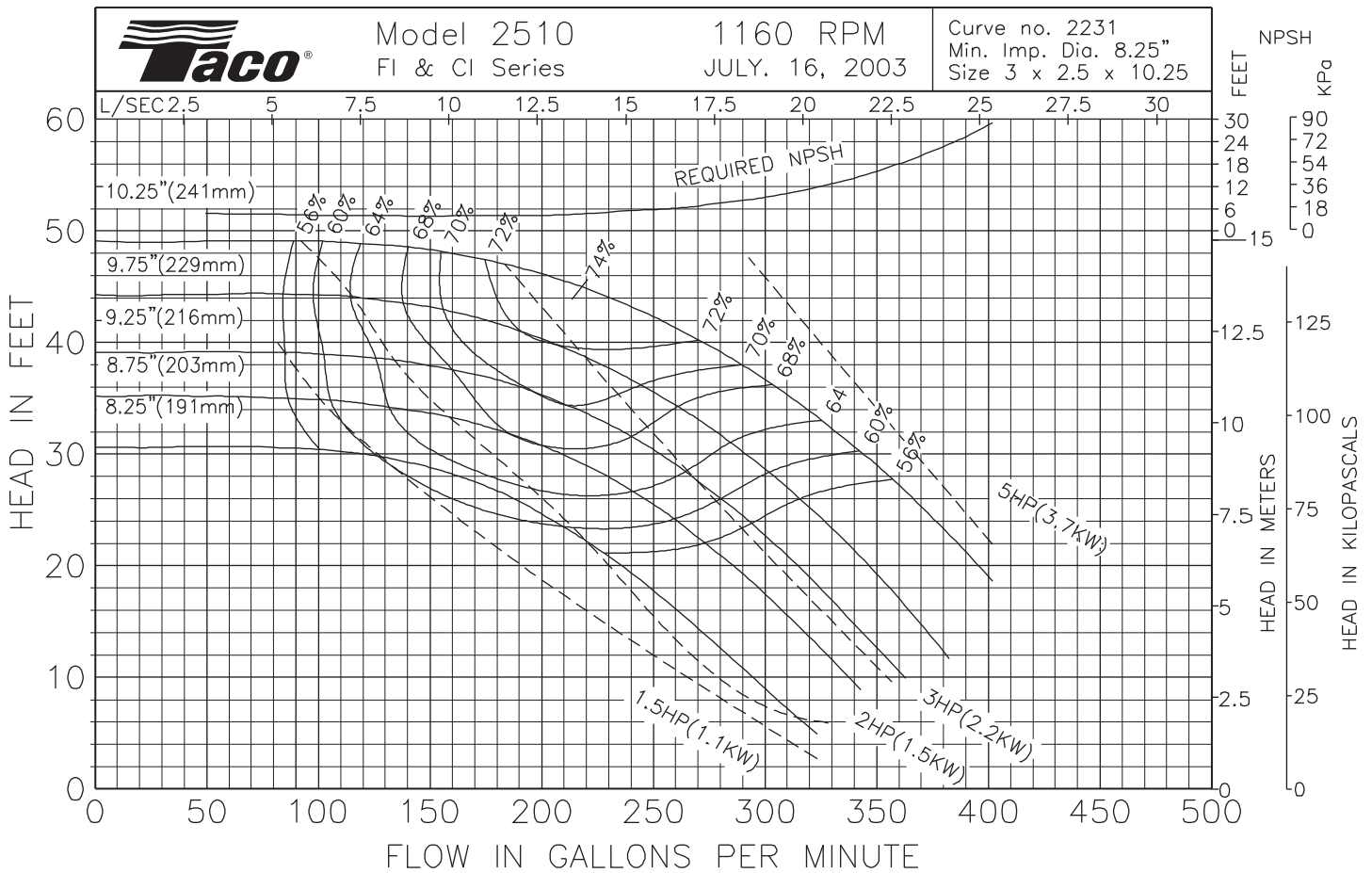
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
182JM - 184JM	203 (92)
213JM - 215JM	253 (115)



Comments:

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Submittal Data Information CI Series Pumps

301-1335

EFFECTIVE: NOVEMBER 1, 2010

SUPERSEDES: NOVEMBER 1, 2009

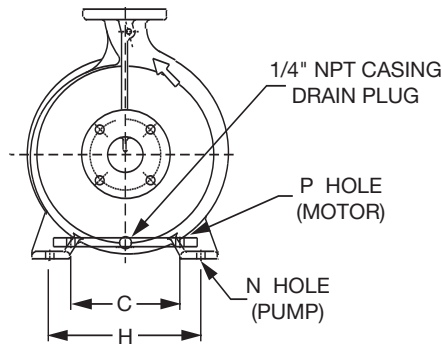
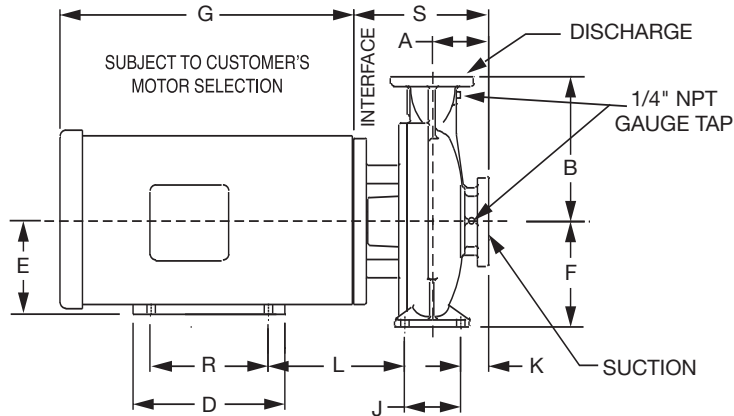
1160 RPM MODEL 2511

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
2511 3 x 2 1/2 (76 x 64)	1.5	5.09 (129)	11.81 (300)	2.73 (69)	9.52 (242)
	2				
	3				
	5				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
2511 3 x 2 1/2 (76 x 64)	182JM	1.5	4.72 (120)	11.5 (292)	7.5 (191)	6.50 (165)	4.50 (114)	8.88 (226)	12.25 (311)	12.40 (315)	4.72 (120)	2.35 (60)	5.57 (141)	0.75 (19)	0.41 (10)	4.5 (114)	9.14 (232)
	184JM	2			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				5.57 (141)		0.41 (10)	5.5 (140)	
	213JM	3			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				6.57 (167)		0.41 (10)	5.5 (140)	
	215JM	5			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				6.57 (167)		0.41 (10)	7.0 (178)	

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/EPT	CF	Ceramic/EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

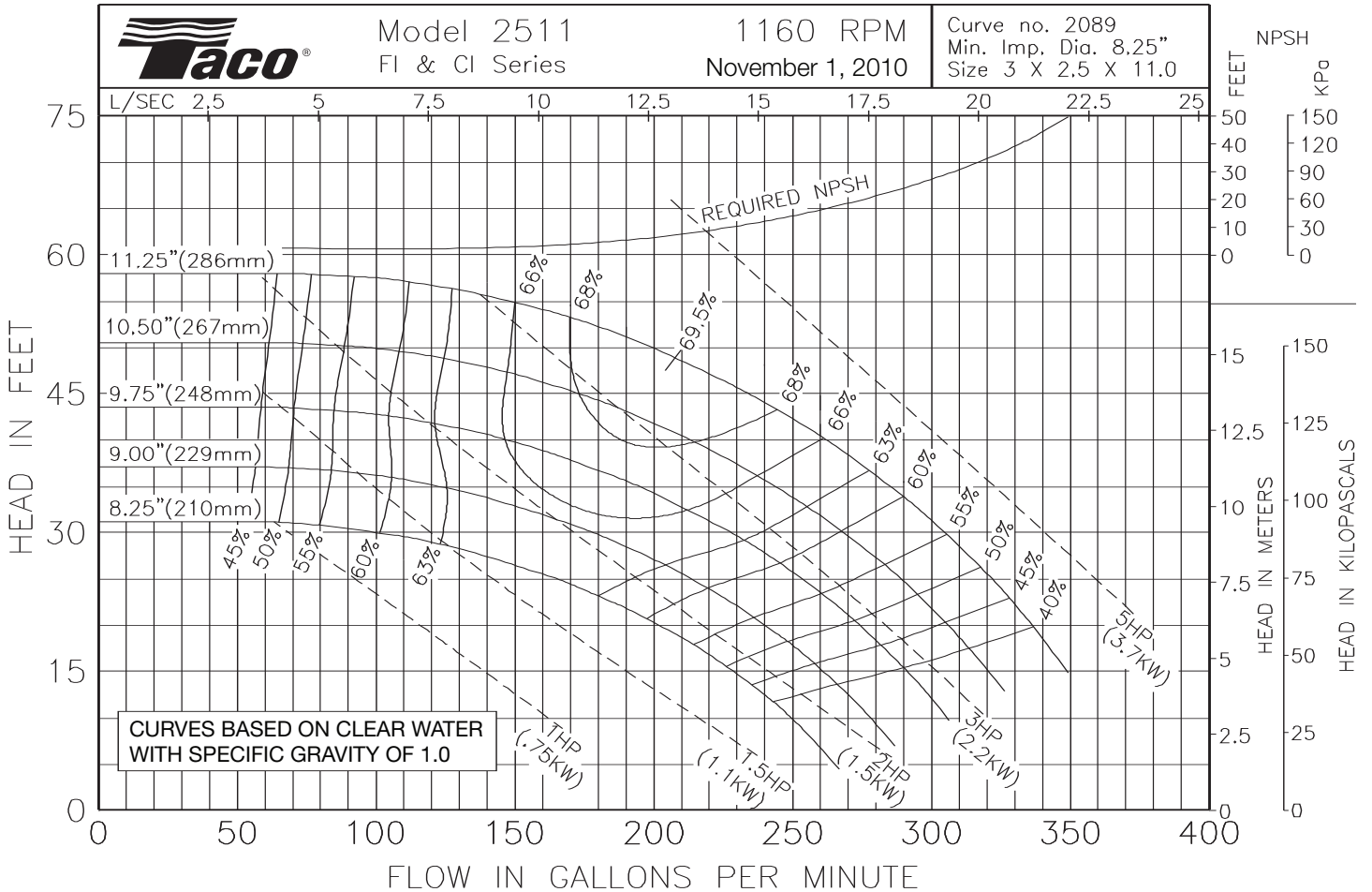
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
182JM - 184JM	235 (107)
213JM - 215JM	287 (130)



Comments:

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Submittal Data Information CI Series Pumps

301-1343

EFFECTIVE: NOVEMBER 1, 2009

SUPERSEDES: JANUARY 31, 2004

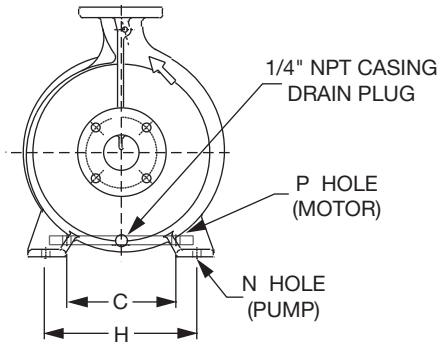
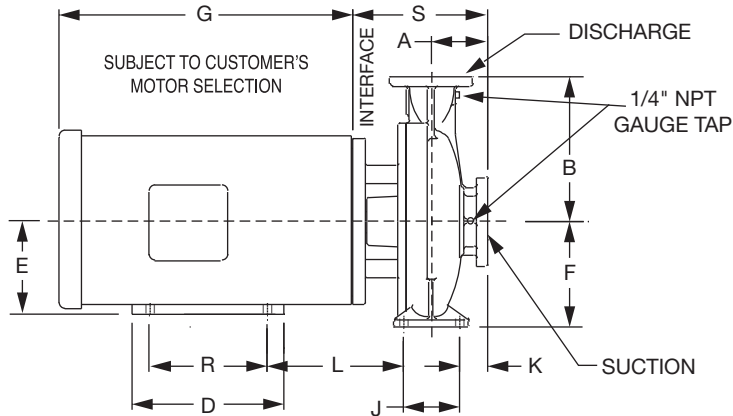
1160 RPM MODEL 2513

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
2513 3 x 2 1/2 (76 x 64)	2	5.09 (129)	12.54 (319)	2.73 (69)	9.73 (247)
	3				
	5				
	7.5				
					10.35 (263)

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
2513 3 x 2 1/2 (76 x 64)	184JM	2	4.72 (120)	12.23 (311)	7.5 (191)	6.50 (165)	4.50 (114)	8.88 (226)	12.25 (311)	12.40 (315)	4.72 (120)	2.36 (60)	5.78 (147)	0.75 (19)	0.41 (10)	5.50 (140)	9.36 (238)
	213JM	3			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				6.78 (172)		0.41 (10)	5.50 (140)	
	215JM	5			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				6.78 (172)		0.41 (10)	7.00 (178)	
	254JM	7.5			10.0 (254)	9.50 (241)	6.25 (159)		16.19 (411)				7.90 (201)		0.53 (13)	8.25 (210)	
																	9.98 (253)

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/EPT	CF	Ceramic/EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

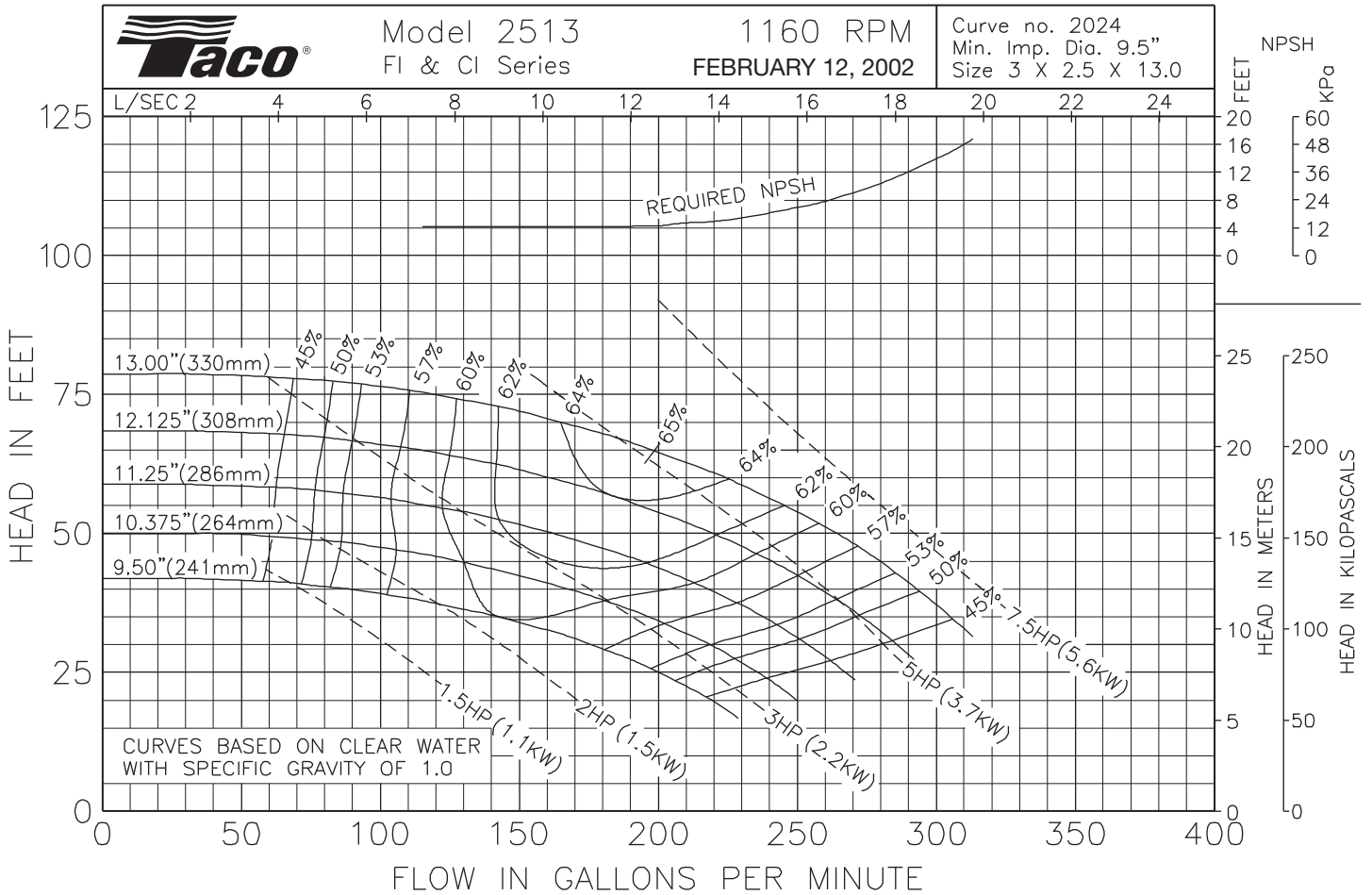
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
182JM - 184JM	320 (145)
213JM - 215JM	386 (175)
254JM - 256JM	497 (225)



Comments:

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Submittal Data Information

CI Series Pumps

301-1315

EFFECTIVE: JANUARY 31, 2004

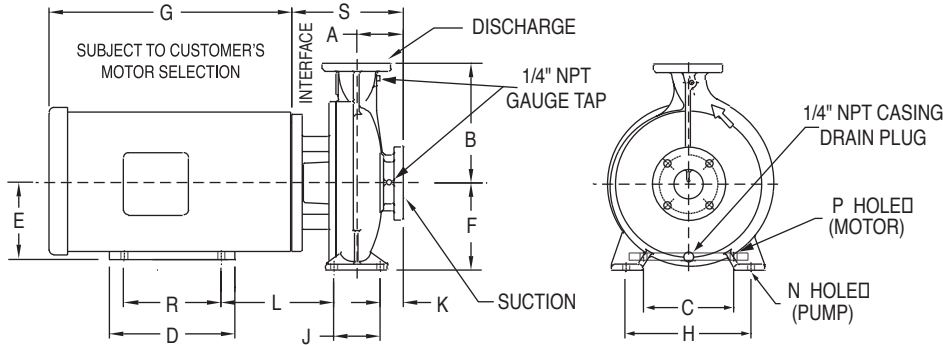
SUPERSEDES: FEBRUARY 28, 2003

1160 RPM MODEL 3007

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 _____

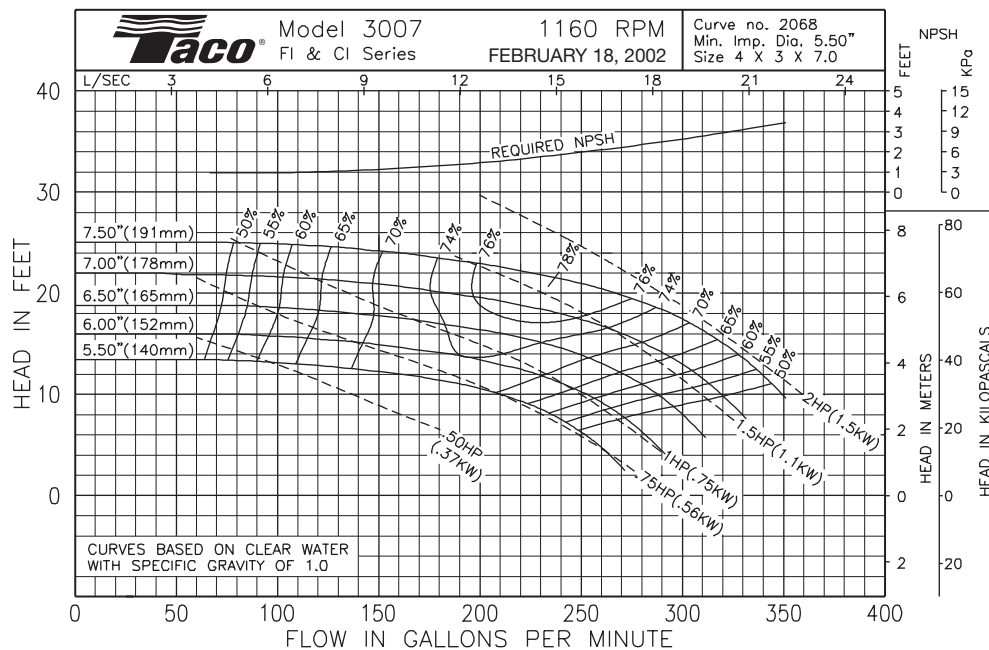


Model No.	HP	A	B	K	S
Flange Size (Suction x Discharge)	1160 (RPM)	250 PSI	250 PSI	250 PSI	250 PSI
3007 4 x 3 (102 x 76)	0.75	5.04 (128)	10.37 (263)	3.16 (80)	9.67 (245)
	1				
	1.5				
	2				

50 Cycle Performance Curves attached when applicable.

Model No. (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A 125 PSI	B 125 PSI	C (Motor)	D	E	F	G	H (Pump)	J	K 125 PSI	L	N (Pump)	P	R	S 125 PSI
3007 4 x 3 (102 x 76)	143JM	0.75	4.72 (120)	10.00 (254)	5.5 (140)	5.94 (151)	3.5 (89)	7.09 (180)	10.00 (254)	9.84 (250)	3.76 (96)	2.84 (72)	5.62 (143)	0.63 (16)	0.34 (9)	4.0 (101)	9.35 (237)
	145JM	1			5.5 (140)	5.94 (151)	3.5 (89)		10.00 (254)				5.62 (143)		0.34 (9)	5.0 (127)	
	182JM	1.5			7.5 (191)	6.50 (165)	4.5 (114)		12.25 (311)				0.41 (10)		4.5 (114)		
	184JM	2			7.5 (191)	6.50 (165)	4.5 (114)		12.25 (311)				0.41 (10)		5.5 (140)		

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



Item	BRONZE FITTED		ALL IRON	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/EPT	CF	Ceramic/EPT	CF
Seal Flush Line	Copper	CF	Stainless Steel	CF

OPERATING SPECIFICATIONS		
	Standard	Optional
Flange	125# 860K	250# 1720K
Pressure	175 PSIG* 1210 KPA	300 PSIG** 2070 KPA
Temperature	250°F 120°C	250°F 120°C

Motors: All NEMA Standard (JM Frame)
 * In accordance with ANSI Standard B16.1 Class 125
 ** In accordance with ANSI Standard B16.1 Class 250 Dim.
 CF - Consult Factory N/A - Not Available

Comments: _____

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Submittal Data Information

CI Series Pumps

301-1327

EFFECTIVE: NOVEMBER 1, 2009

SUPERSEDES: JANUARY 31, 2004

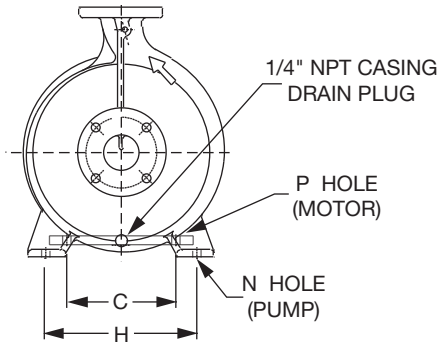
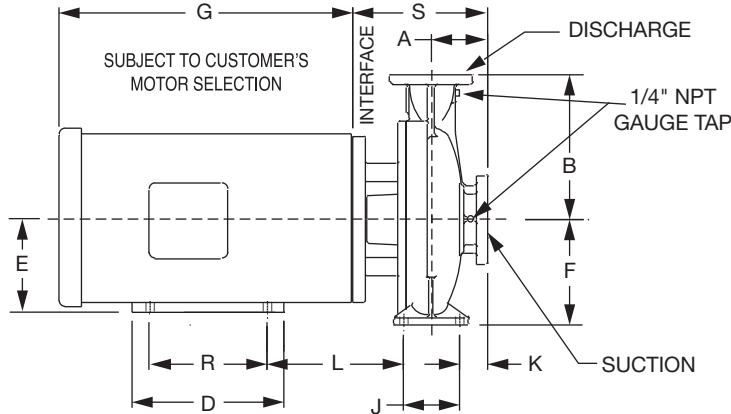
1160 RPM MODEL 3009

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
3009 4 x 3 (102 x 76)	1	5.04 (128)	10.37 (263)	3.16 (80)	9.45 (240)
	1.5				
	2				
	3				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
3009 4 x 3 (102 x 76)	145JM	1	4.73 (120)	10.00 (254)	5.5 (140)	5.94 (151)	3.50 (89)	7.09 (180)	10.00 (254)	9.84 (250)	3.76 (96)	2.85 (72)	5.40 (137)	0.63 (16)	0.34 (9)	5.0 (127)	9.14 (232)
	182JM	1.5			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				6.03 (153)		0.41 (10)	4.5 (114)	
	184JM	2			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				6.03 (153)		0.41 (10)	5.5 (140)	
	213JM	3			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				7.03 (178)		0.41 (10)	5.5 (140)	

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

Item	BRONZE FITTED		ALL IRON	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/ EPT	CF	Ceramic/ EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

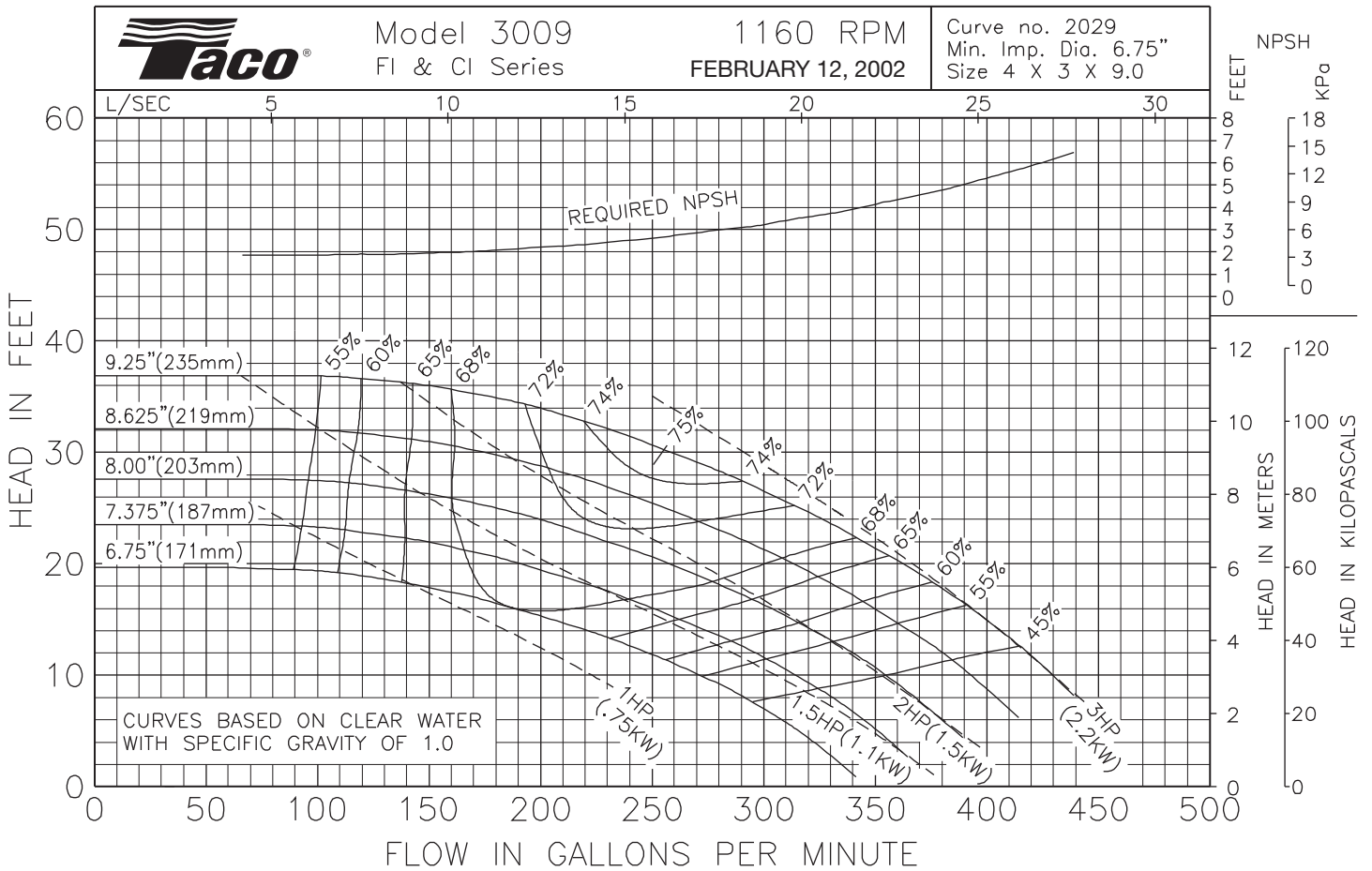
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
143JM - 145JM	152 (69)
182JM - 184JM	193 (88)
213JM - 215JM	251 (114)



Comments:

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Submittal Data Information CI Series Pumps

301-1337

EFFECTIVE: NOVEMBER 1, 2010

SUPERSEDES: NOVEMBER 1, 2009

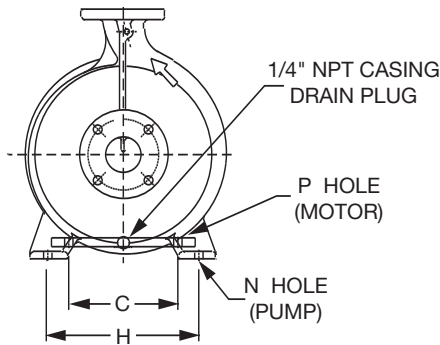
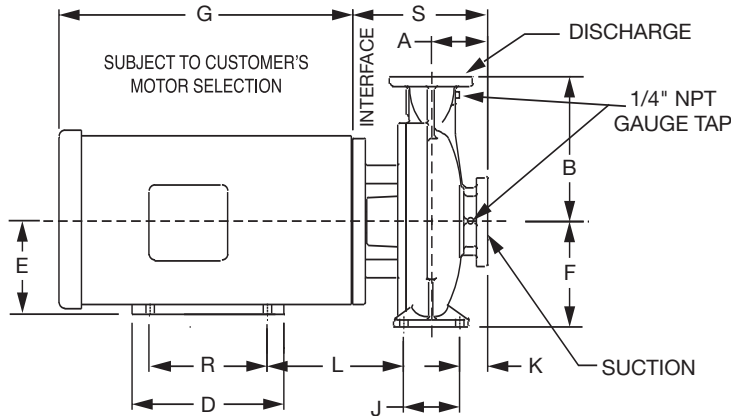
1160 RPM MODEL 3011

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
3011 4 x 3 (102 x 76)	1.5	5.03 (128)	11.38 (289)	2.67 (68)	9.65 (245)
	2				
	3				
	5				
	7.5				10.32 (262)

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
3011 4 x 3 (102 x 76)	184JM	1.5	4.71 (120)	11.00 (279)	7.5 (191)	6.50 (165)	4.50 (114)	8.88 (226)	12.25 (311)	12.40 (315)	4.72 (120)	2.36 (60)	5.76 (146)	0.75 (19)	0.41 (10)	5.50 (140)	9.34 (237)
		2			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				5.76 (146)		0.41 (10)	5.50 (140)	
	213JM	3			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				6.76 (172)		0.41 (10)	5.50 (140)	
	215JM	5			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				6.76 (172)		0.41 (10)	7.00 (178)	
	254JM	7.5			10.0 (254)	9.50 (241)	6.25 (159)		16.19 (411)				7.93 (201)		0.53 (13)	8.25 (210)	10.01 (254)

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/EPT	CF	Ceramic/EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

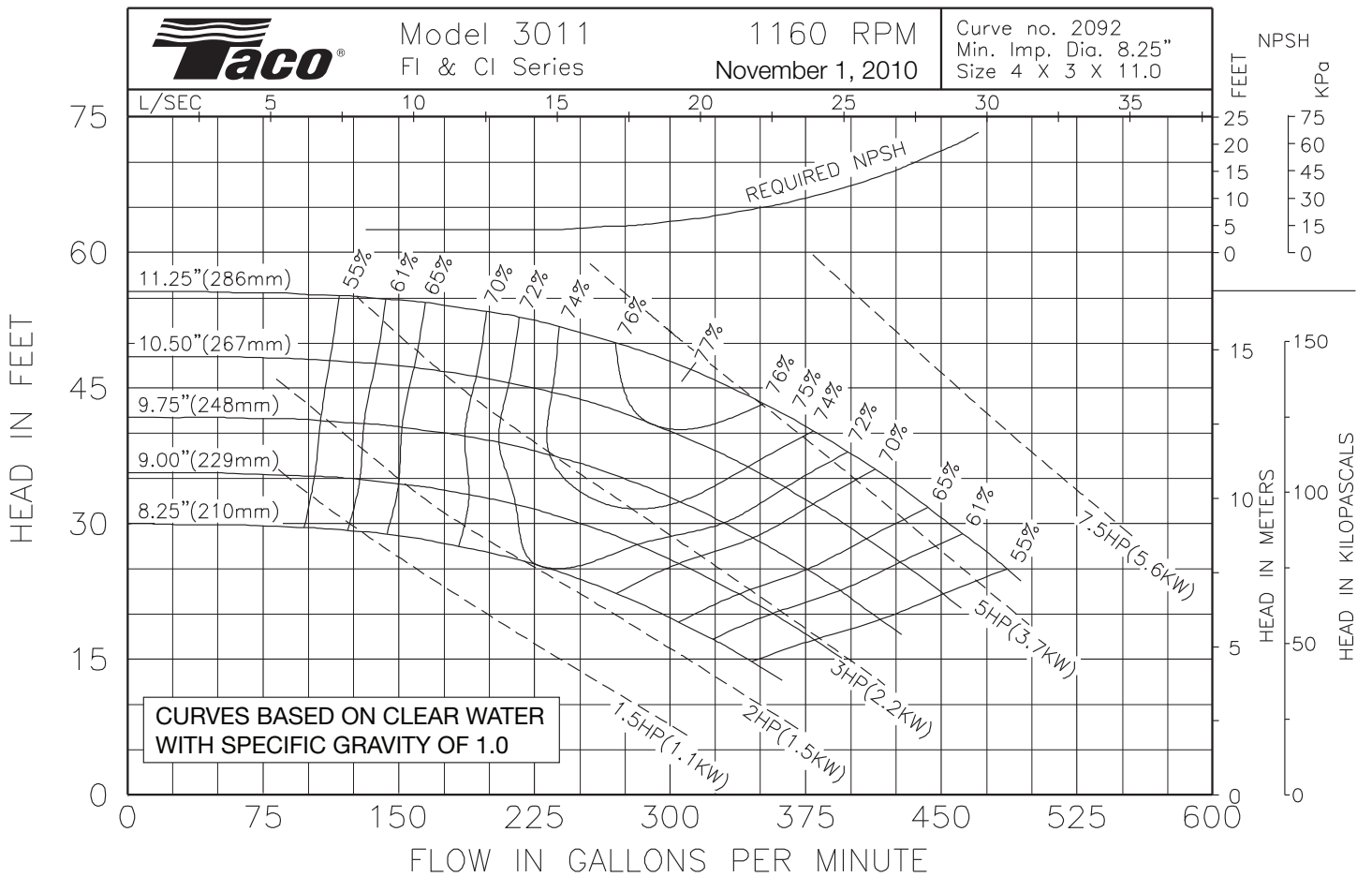
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
182JM - 184JM	260 (118)
213JM - 215JM	323 (147)
254JM - 256JM	430 (195)



Comments:

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Submittal Data Information CI Series Pumps

301-1345

EFFECTIVE: NOVEMBER 1, 2010

SUPERSEDES: NOVEMBER 1, 2009

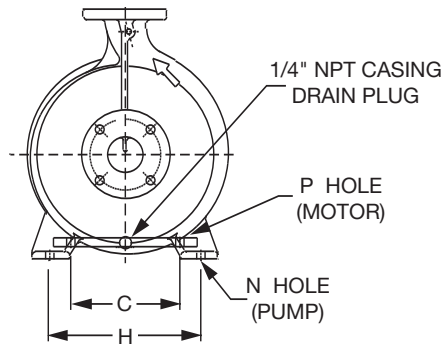
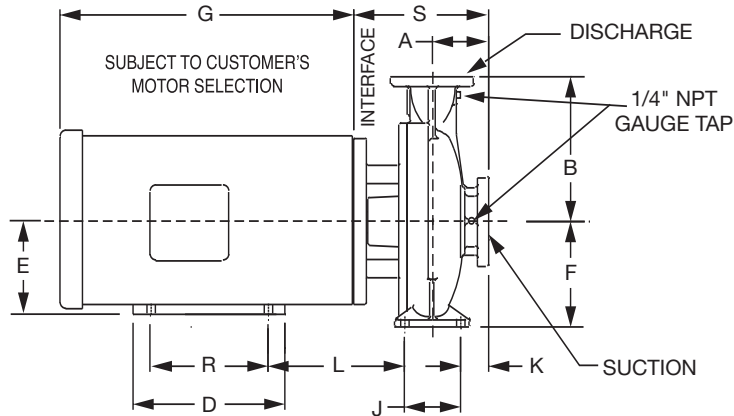
1160 RPM MODEL 3013

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
3013 4 x 3 (102 x 76)	3	5.03 (128)	12.63 (321)	2.67 (68)	9.71 (247)
	5				
	7.5				
	10				
					10.33 (262)

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
3013 4 x 3 (102 x 76)	213JM	3	4.72 (120)	12.25 (311)	8.5 (216)	8.00 (203)	5.25 (133)	9.84 (250)	13.94 (354)	12.40 (315)	4.72 (120)	2.36 (60)	6.82 (173)	0.75 (19)	0.41 (10)	5.50 (140)	9.40 (239)
	215JM	5			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				6.82 (173)		0.41 (10)	7.00 (178)	
	254JM	7.5			10.0 (254)	9.50 (241)	6.25 (159)		16.19 (411)				7.94 (202)		0.53 (13)	8.25 (210)	
	256JM	10			10.0 (254)	11.75 (298)	6.25 (159)		16.19 (411)				7.94 (202)		0.53 (13)	10.00 (254)	

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/ EPT	CF	Ceramic/ EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

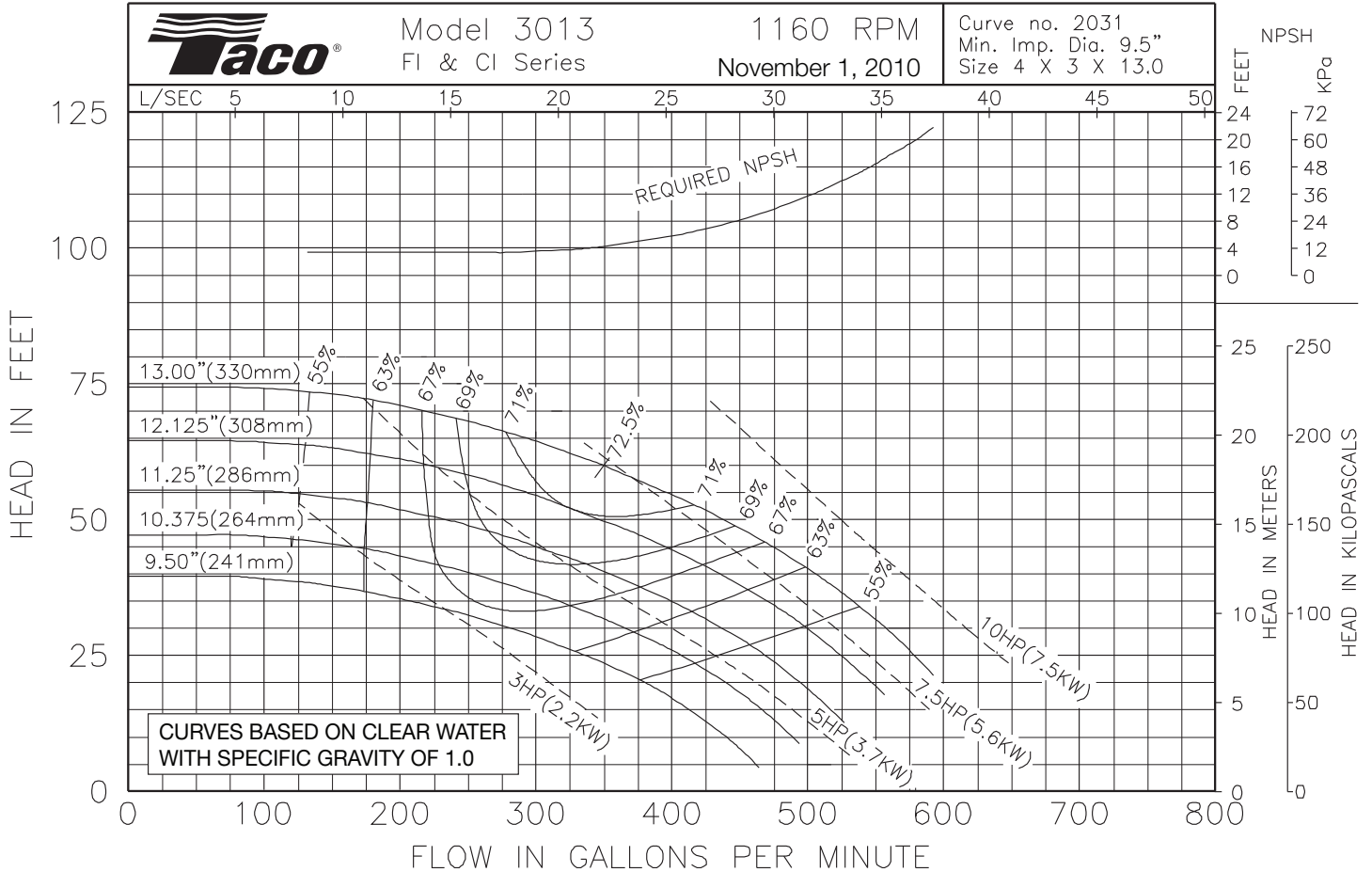
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
213JM - 215JM	413 (187)
254JM - 256JM	580 (263)



Comments:

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Submittal Data Information

CI Series Pumps

301-1318

EFFECTIVE: NOVEMBER 1, 2010

SUPERSEDES: NOVEMBER 1, 2009

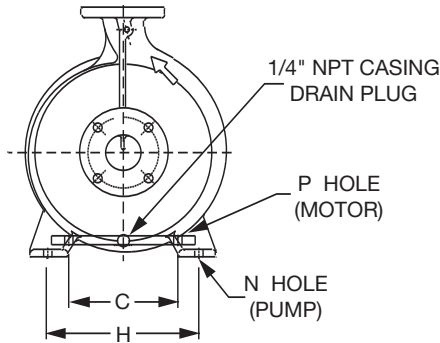
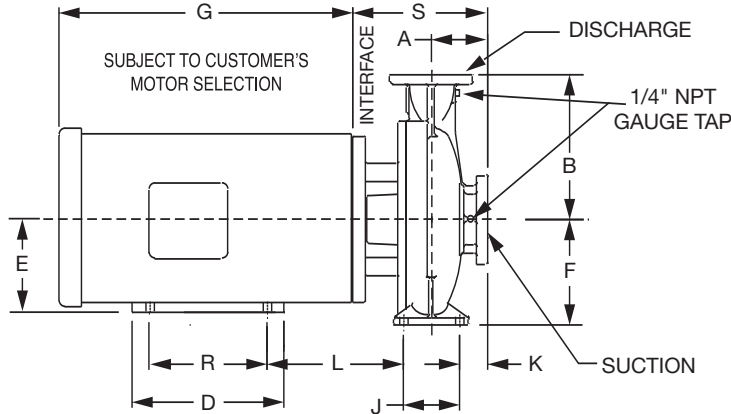
1160 RPM MODEL 4007

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
4007 5 x 4 (127 x 102)	1	6.00 (152)	10.81 (275)	3.64 (92)	10.97 (279)
	1.5				
	2				
	3				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
4007 5 x 4 (127 x 102)	145JM	1	5.56 (141)	10.50 (267)	5.5 (140)	5.94 (151)	3.50 (89)	7.88 (200)	10.00 (254)	11.01 (280)	4.72 (120)	3.20 (81)	5.48 (139)	0.75 (19)	0.34 (9)	5.0 (127)	10.53 (267)
	182JM	1.5			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				6.11 (155)		0.41 (10)	4.5 (114)	
	184JM	2			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				6.11 (155)		0.41 (10)	5.5 (140)	
	213JM	3			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				7.11 (180)		0.41 (10)	5.5 (140)	

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/ EPT	CF	Ceramic/ EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

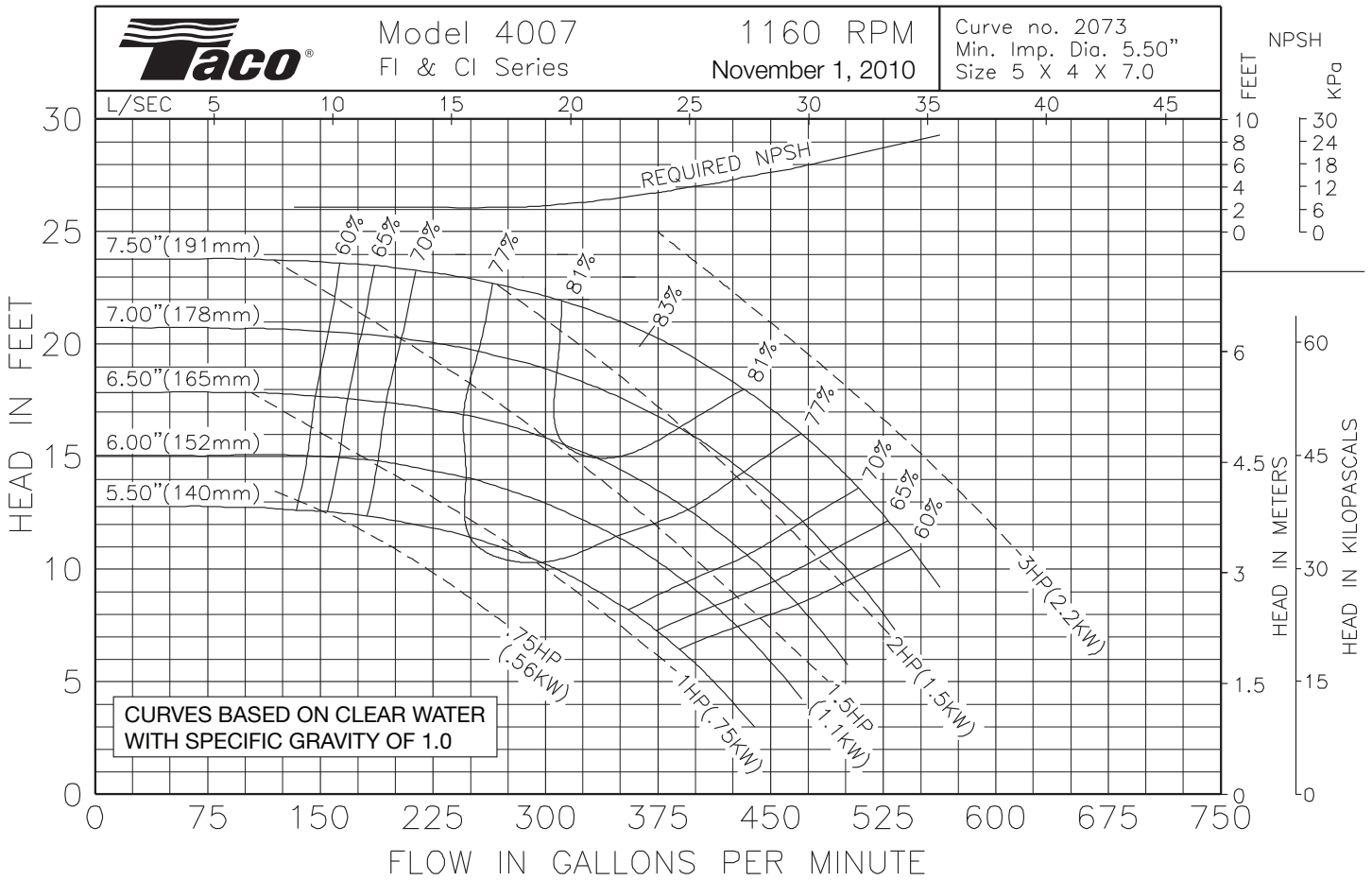
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
143JM - 145JM	178 (81)
182JM - 184JM	217 (98)
213JM - 215JM	275 (125)



Comments:

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Submittal Data Information CI Series Pumps

301-1374

EFFECTIVE: NOVEMBER 1, 2009

SUPERSEDES: JANUARY 31, 2006

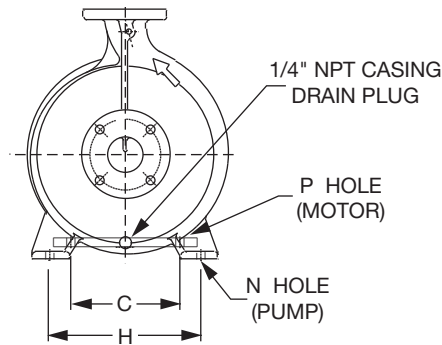
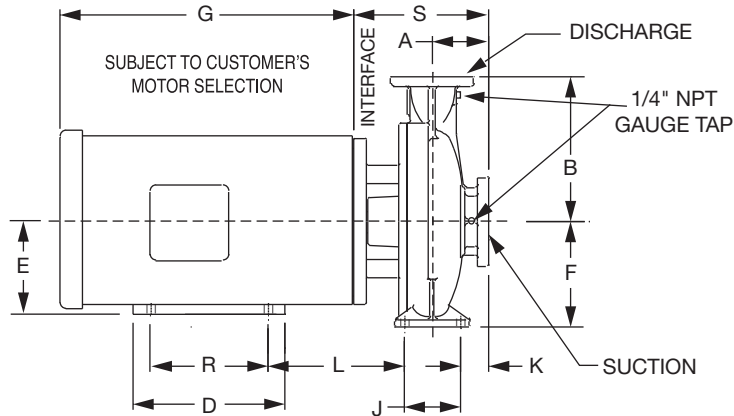
1160 RPM MODEL 4009

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
4009 5 x 4 (127 x 102)	3	5.75 (146)	12.81 (325)	3.39 (86)	10.37 (263)
	5				10.99 (279)
	7.5				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125						
4009 5 x 4 (127 x 102)	213JM	3	5.31 (135)	12.50 (318)	8.5 (216)	8.00 (203)	5.25 (133)	8.86 (225)	13.94 (354)	12.40 (315)	4.72 (120)	2.95 (75)	6.76 (172)	0.75 (19)	0.41 (10)	5.5 (140)	9.93 (252)						
	215JM	5			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				6.76 (172)		0.41 (10)	7.0 (178)							
	254JM	7.5			10.0 (254)	9.50 (241)	6.25 (159)		16.19 (411)				7.89 (200)		0.53 (13)	8.25 (210)							
																							10.56 (268)

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/EPT	CF	Ceramic/EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

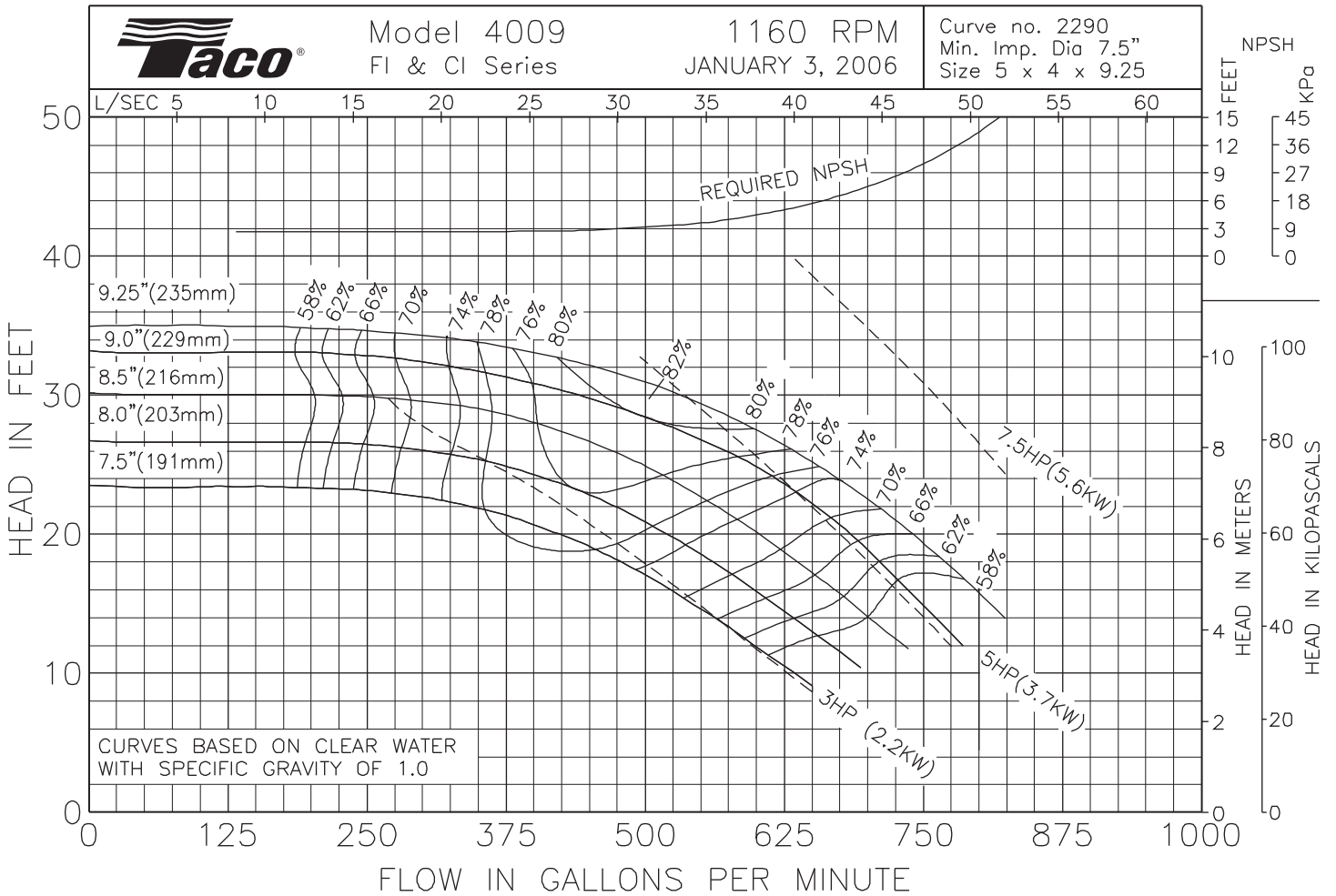
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
213JM - 215JM	317 (144)
254JM - 256JM	325 (147)



Comments:

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Submittal Data Information CI Series Pumps

301-1376

EFFECTIVE: NOVEMBER 1, 2010

SUPERSEDES: NOVEMBER 1, 2009

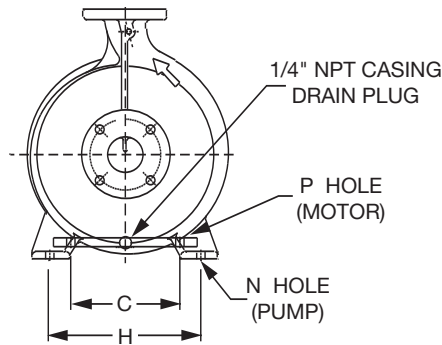
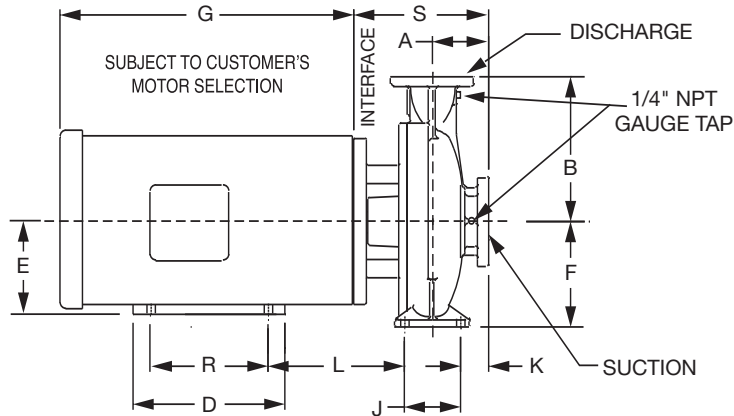
1160 RPM MODEL 4011

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
4011 5 x 4 (127 x 102)	3	5.75 (146)	14.31 (363)	3.39 (86)	10.41 (264)
	5				11.09 (282)
	7.5				
	10				
	15				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
4011 5 x 4 (127 x 102)	213JM	3	5.31 (135)	14.00 (356)	8.5 (216)	8.00 (203)	5.25 (133)	9.84 (250)	13.94 (354)	12.40 (315)	4.72 (120)	2.95 (75)	6.76 (172)	0.75 (19)	0.41 (10)	5.50 (140)	9.97 (253)
	215JM	5			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				6.80 (173)		0.41 (10)	7.00 (178)	
	254JM	7.5			10.0 (254)	9.50 (241)	6.25 (159)		16.19 (411)				7.98 (203)		0.53 (13)	8.25 (210)	
	256JM	10			10.0 (254)	11.75 (298)	6.25 (159)		16.19 (411)				7.98 (203)		0.53 (13)	10.00 (254)	
	284JM	15			11.0 (279)	10.75 (273)	7.00 (178)	19.81 (503)	7.98 (203)				0.53 (13)		9.50 (241)	10.65 (271)	

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/EPT	CF	Ceramic/EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

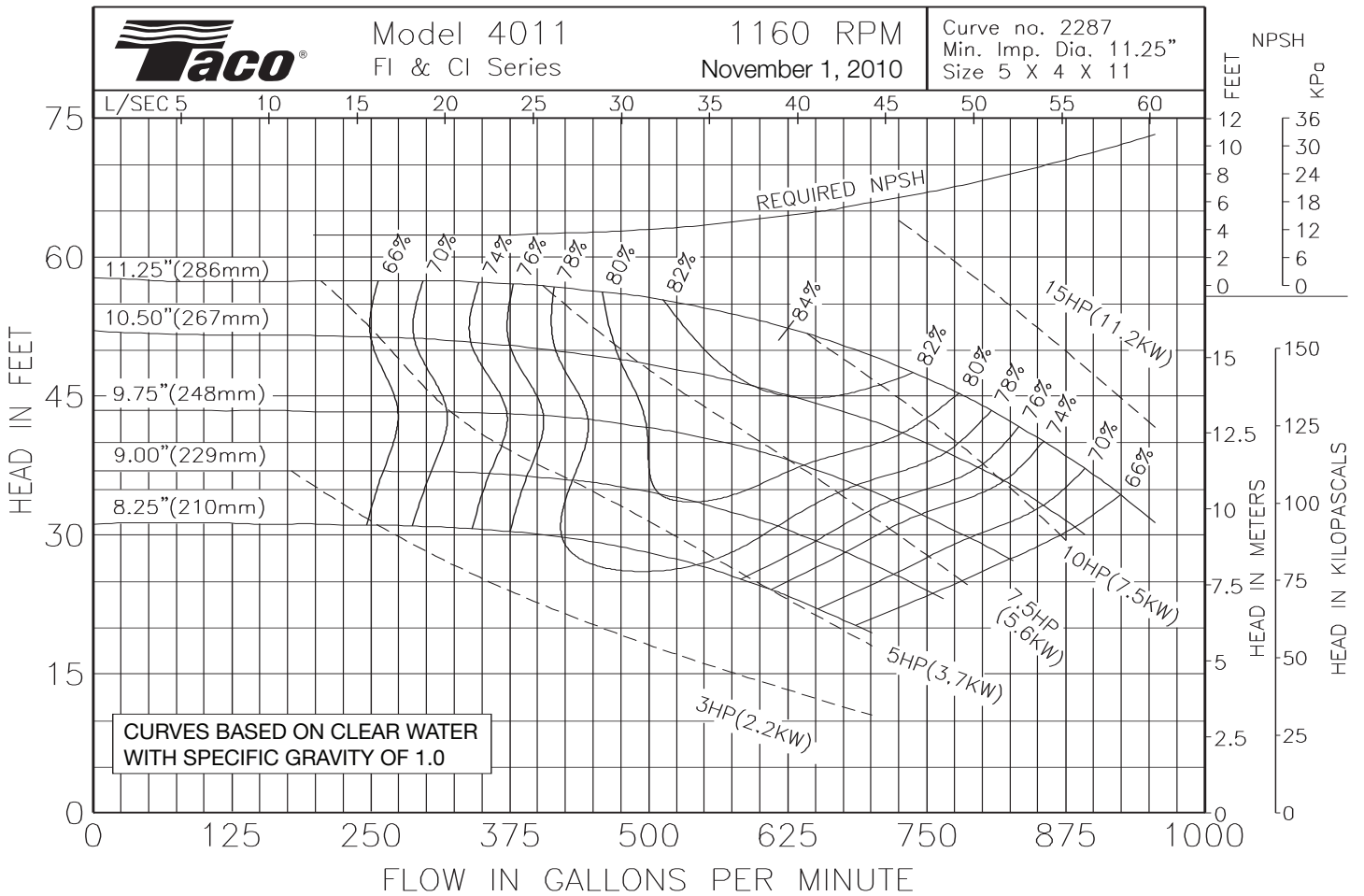
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
213JM - 215JM	319 (145)
254JM - 256JM	474 (215)
284JM - 286JM	559 (254)



Comments:

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Submittal Data Information

CI Series Pumps

301-2122

EFFECTIVE: JULY 31, 2012

SUPERSEDES: NEW

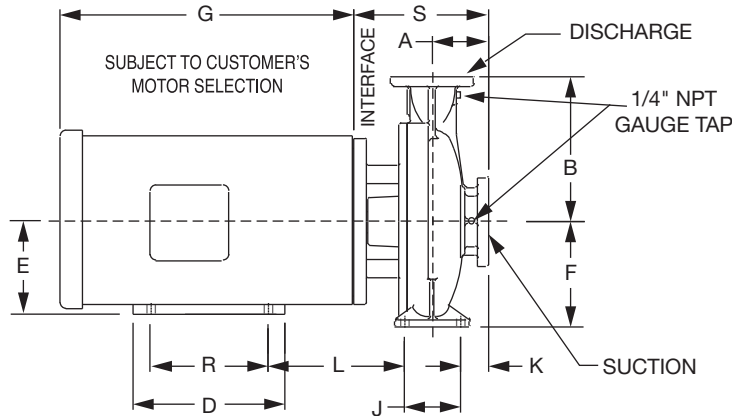
1160 RPM MODEL 4011C

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 _____



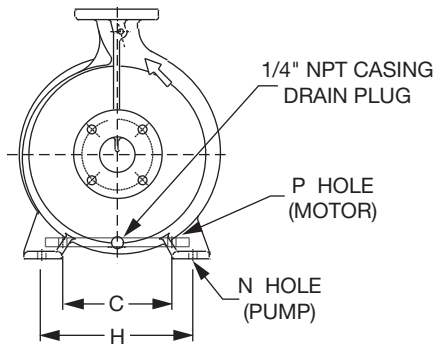
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
213JM - 215JM	319 (145)
254JM - 256JM	474 (215)



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
4011C 5 x 4 (127 x 102)	3	5.75 (146)	14.31 (363)	3.39 (86)	10.41 (264)
	5				
	7.5				
	10				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

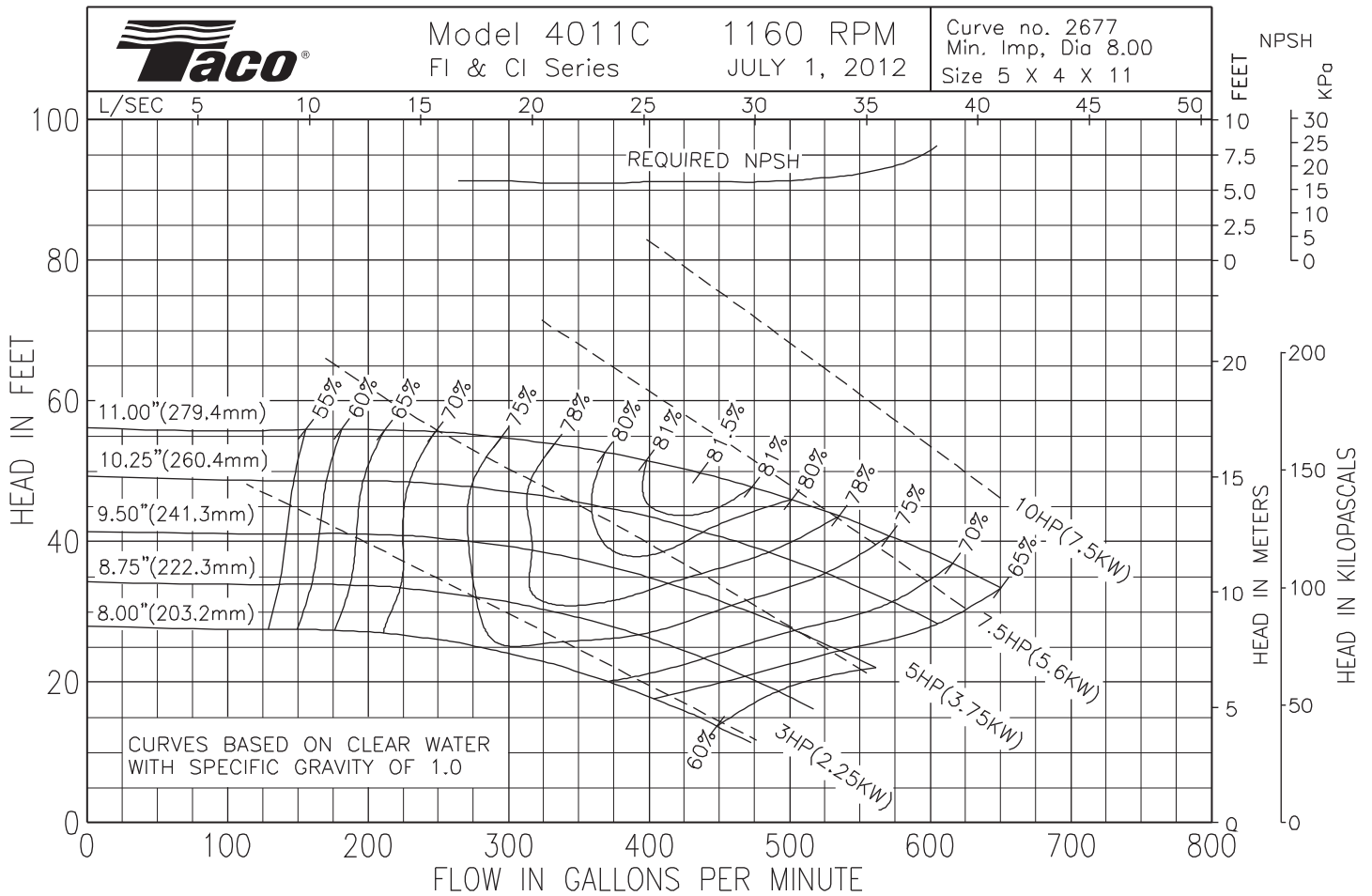
Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125	
4011C 5 x 4 (127 x 102)	213JM	3	5.31 (135)	14.00 (356)	8.5 (216)	8.00 (203)	5.25 (133)	9.84 (250)	13.94 (354)	12.40 (315)	4.72 (120)	2.95 (75)	6.76 (172)	0.56 (14)	0.41 (10)	5.50 (140)	9.97 (253)	
	215JM	5											6.80 (173)					7.00 (178)
	254JM	7.5											7.98 (203)					8.25 (210)
	256JM	10											11.75 (298)					10.00 (254)

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 Pump Construction		Optional
	125# Flange	250# Flange	125# or 250# Flange	125# Flange	250# Flange	125# or 250# Flange
Casing	Cast Iron ASTM A48/A48M-03 Class 30A	Ductile Iron ASTM A536-84 Grade 65-45-12	N/A	Cast Iron ASTM A48/A48M-03 Class 30A	Ductile Iron ASTM A536-84 Grade 65-45-12	N/A
Cover	Cast Iron ASTM A48/A48M-03 Class 30A	Ductile Iron ASTM A536-84 Grade 65-45-12	N/A	Cast Iron ASTM A48/A48M-03 Class 30A	Ductile Iron ASTM A536-84 Grade 65-45-12	N/A
Impeller	Bronze ASTM B584-11 C87500 0.2% Max Lead	Bronze ASTM B584-11 C87500 0.2% Max Lead	N/A	Cast Iron ASTM A48/A48M-03 Class 30A	Cast Iron ASTM A48/A48M-03 Class 30A	N/A
Wear Ring	N/A	N/A	Bronze ASTM B584-11 C89835 0.2% Max Lead	N/A	N/A	N/A
Shaft	Carbon Steel AISI 1045	Carbon Steel AISI 1045	Stainless Steel TYPE 416"™" or 410"™" ASTM A582	Carbon Steel AISI 1045	Carbon Steel AISI 1045	Stainless Steel TYPE 416"™" or 410"™" ASTM A582
Shaft Sleeve	Bronze ASTM B584-11 C92200 0.2% Max Lead	Bronze ASTM B584-11 C92200 0.2% Max Lead	Stainless Steel TYPE 303 ASTM A276	Stainless Steel TYPE 303 ASTM A276	Stainless Steel TYPE 303 ASTM A276	N/A
Mech. Seal	Ceramic/EPT	Ceramic/EPT	CF	Ceramic/EPT	Ceramic/EPT	CF
Seal Flush Line	N/A	N/A	Copper	N/A	N/A	Stainless Steel

CF - Consult Factory N/A - Not Available



Comments:

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Submittal Data Information CI Series Pumps

301-1378

EFFECTIVE: NOVEMBER 1, 2010

SUPERSEDES: NOVEMBER 1, 2009

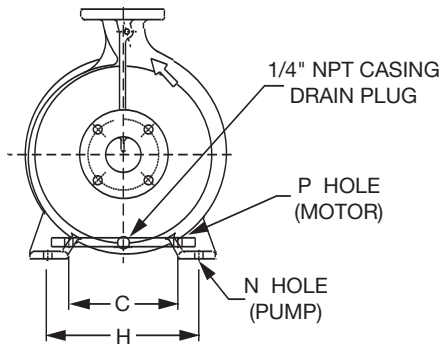
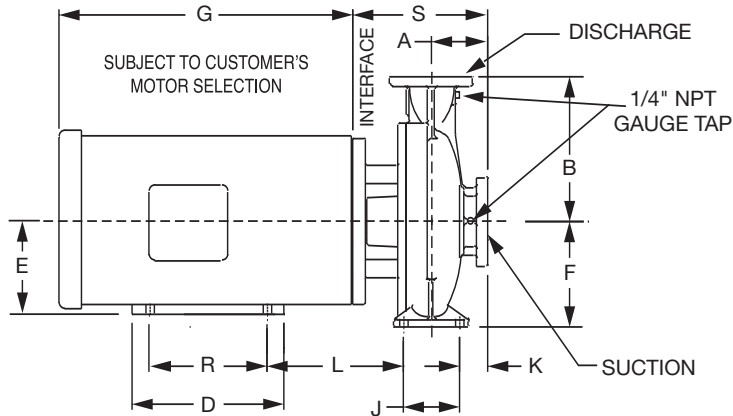
1160 RPM MODEL 4013

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
4013 5 x 4 (127 x 102)	2	6.54 (166)	14.31 (363)	4.18 (106)	11.33 (288)
	3				
	5				
	7.5				
	10				
15	11.96 (304)				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
4013 5 x 4 (127 x 102)	184JM	2	6.10 (155)	14.00 (356)	7.5 (191)	6.50 (165)	4.50 (114)	9.84 (250)	12.25 (311)	12.40 (315)	4.72 (120)	3.74 (95)	5.78 (147)	0.75 (19)	0.41 (10)	5.50 (140)	10.89 (277)
	213JM	3			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				6.78 (172)		0.41 (10)	5.50 (140)	
	215JM	5			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				7.07 (180)		0.41 (10)	7.00 (178)	
	254JM	7.5			10.0 (254)	9.50 (241)	6.25 (159)		16.19 (411)				8.06 (205)		0.53 (13)	8.25 (210)	
	256JM	10			10.0 (254)	11.75 (298)	6.25 (159)		16.19 (411)				8.06 (205)		0.53 (13)	10.00 (254)	
	284JM	15			11.0 (279)	10.75 (273)	7.00 (178)		19.81 (503)				8.06 (205)		0.53 (13)	9.50 (241)	

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/EPT	CF	Ceramic/EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

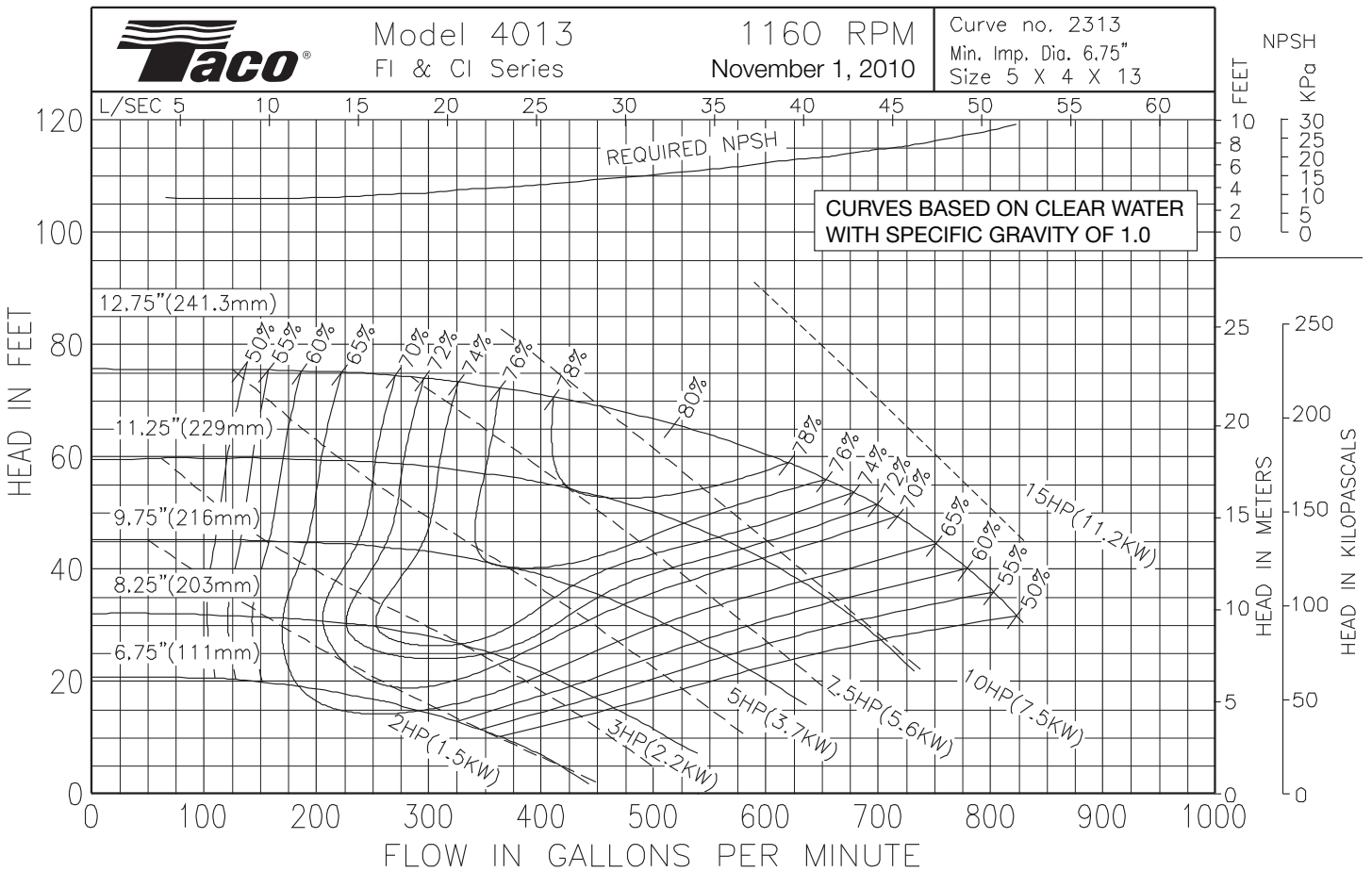
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
182JM - 184JM	319 (145)
213JM - 215JM	368 (167)
254JM - 256JM	542 (246)
284JM - 286JM	579 (263)



Comments:

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Submittal Data Information

CI Series Pumps

301-1351

EFFECTIVE: NOVEMBER 1, 2010

SUPERSEDES: NOVEMBER 1, 2009

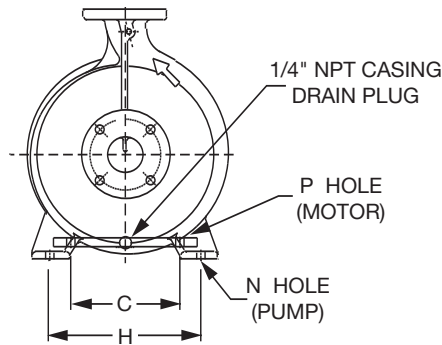
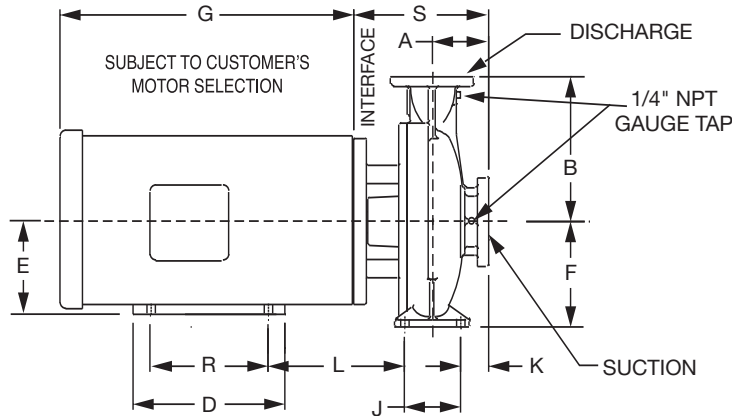
1160 RPM MODEL 4075

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
4075 5 x 4 (127 x 102)	1	5.16 (131)	11.12 (282)	3.28 (83)	10.18 (259)
	1.5				
	2				
	3				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
4075 5 x 4 (127 x 102)	145JM	1	4.72 (120)	10.81 (275)	5.5 (140)	5.94 (151)	3.50 (89)	7.09 (180)	10.00 (254)	9.84 (250)	3.75 (95)	2.84 (72)	6.03 (153)	0.62 (16)	0.34 (9)	5.0 (127)	9.75 (248)
	182JM	1.5			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				6.65 (169)		0.41 (10)	4.5 (115)	
	184JM	2			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				6.65 (169)		0.41 (10)	5.5 (140)	
	213JM	3			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				7.65 (194)		0.41 (10)	5.5 (140)	

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/ EPT	CF	Ceramic/ EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

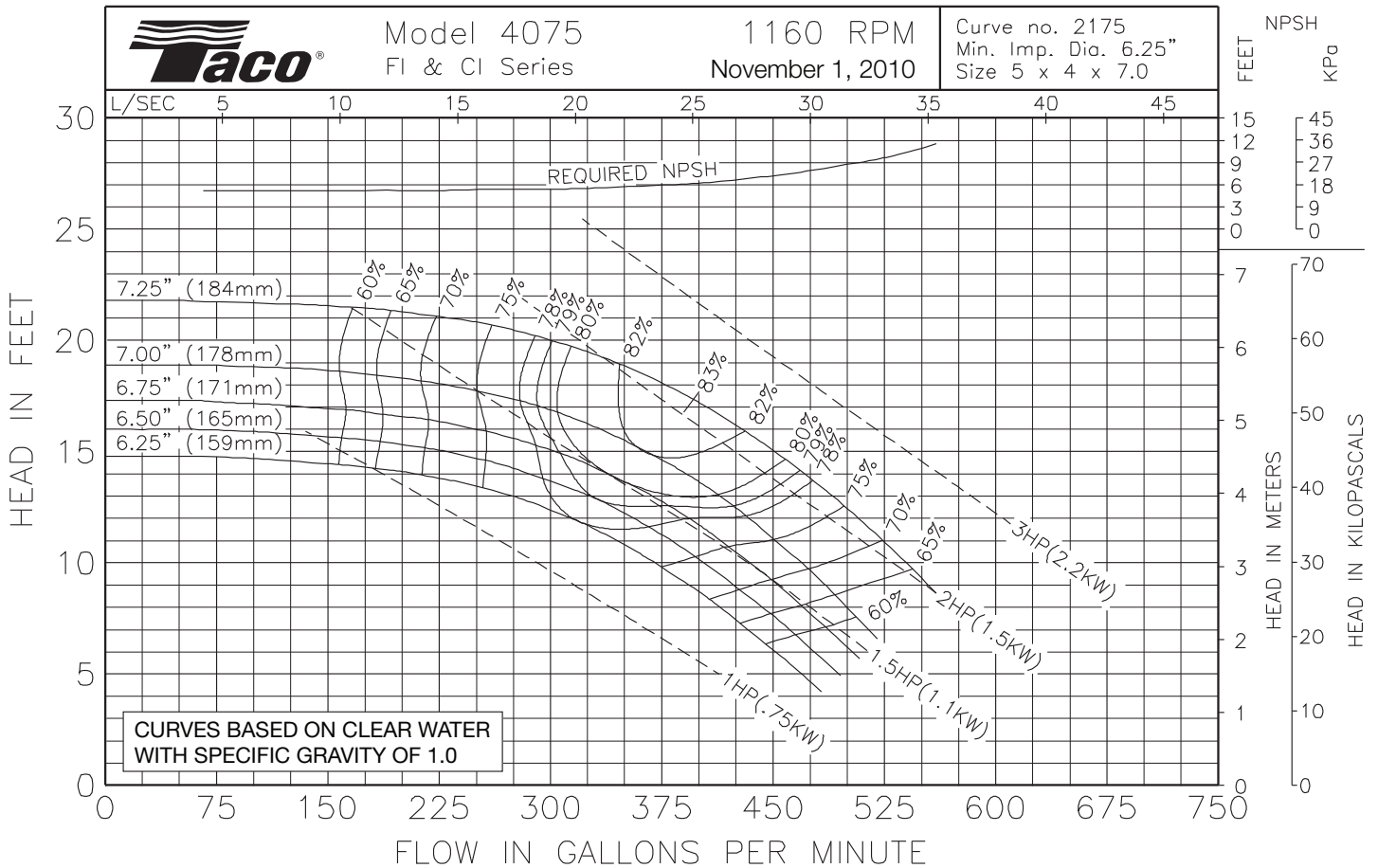
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
143JM - 145JM	223 (101)
182JM - 184JM	269 (122)
213JM - 215JM	291 (132)



Comments:

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Submittal Data Information CI Series Pumps

301-1354

EFFECTIVE: NOVEMBER 1, 2010

SUPERSEDES: NOVEMBER 1, 2009

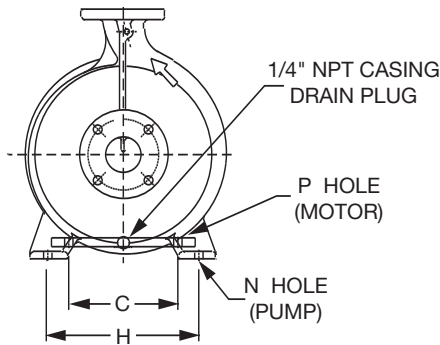
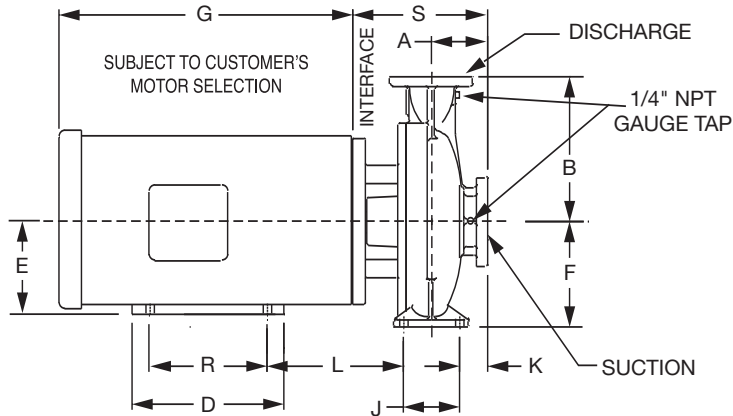
1160 RPM MODEL 5007

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
5007 6 x 5 (152 x 127)	1.5	5.75 (146)	11.44 (291)	3.39 (86)	10.90 (277)
	2				
	3				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
5007 6 x 5 (152 x 127)	182JM	1.5	5.31 (135)	11.00 (279)	7.5 (191)	6.50 (165)	4.50 (114)	7.88	12.25 (311)	11.02 (280)	4.72 (120)	2.95 (75)	6.29 (160)	0.75 (19)	0.41 (10)	4.5 (114)	10.46 (266)
	184JM	2			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				6.29 (160)		0.41 (10)	5.5 (140)	
	213JM	3			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				7.29 (185)		0.41 (10)	5.5 (140)	
													(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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/ EPT	CF	Ceramic/ EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

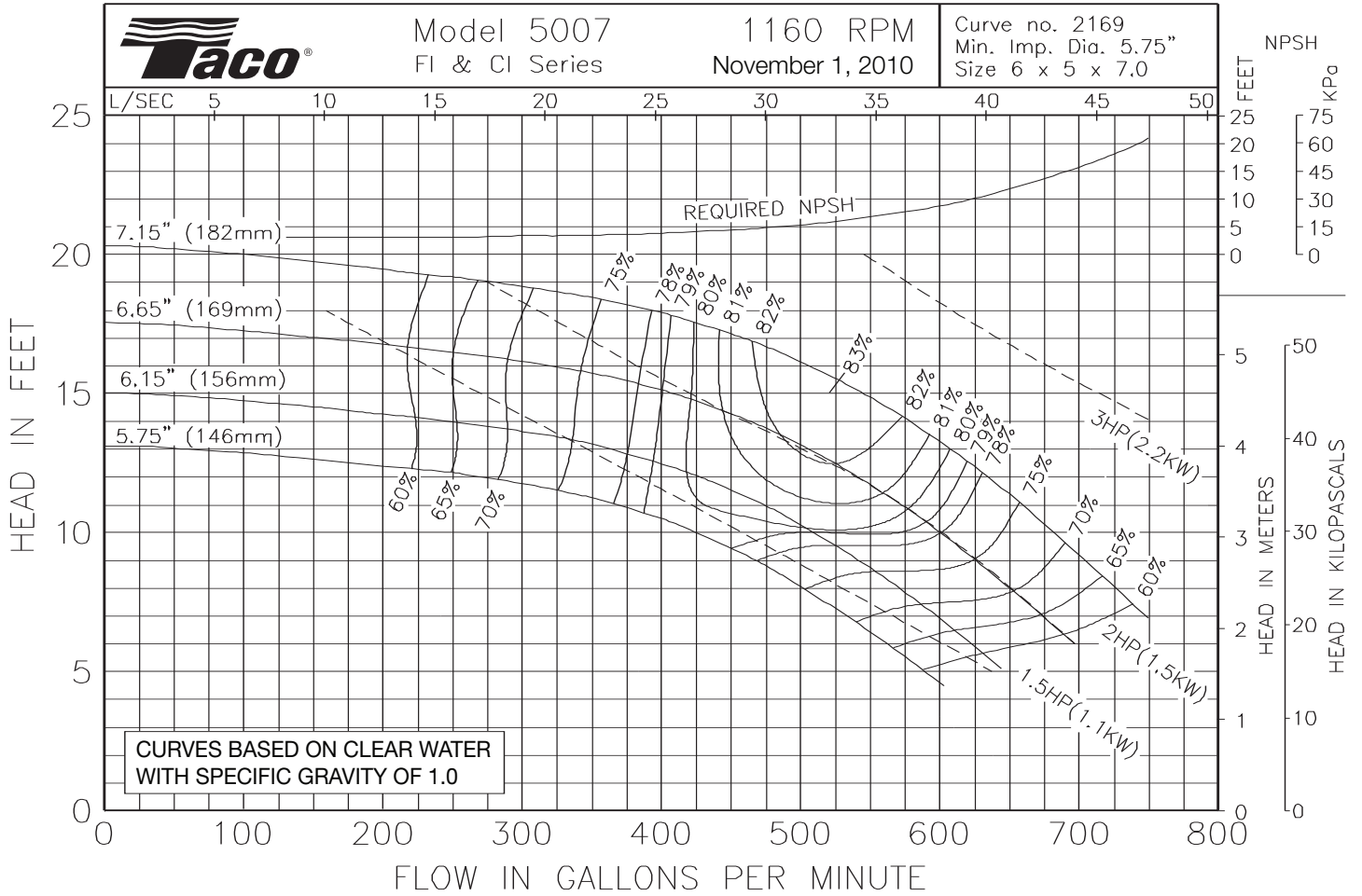
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
182JM - 184JM	296 (134)
213JM - 215JM	318 (144)



Comments:

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Submittal Data Information CI Series Pumps

301-1330

EFFECTIVE: NOVEMBER 1, 2009

SUPERSEDES: JANUARY 31, 2004

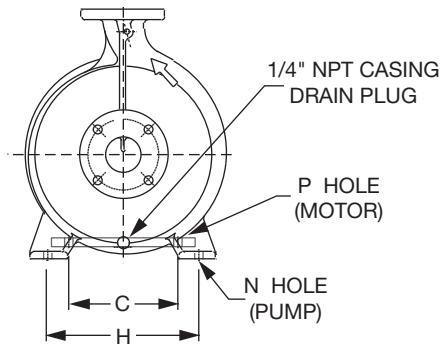
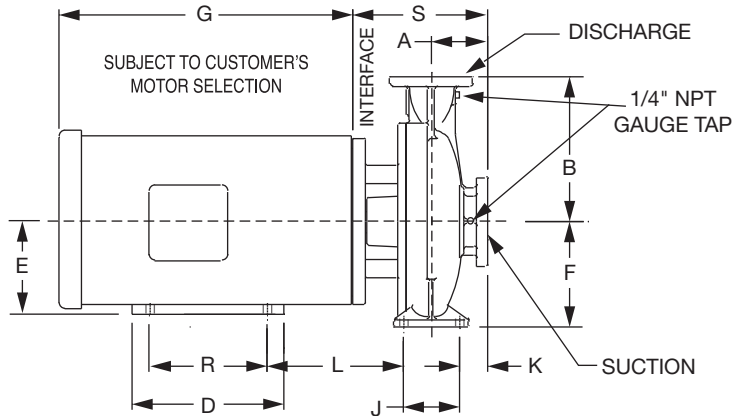
1160 RPM MODEL 5009

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
5009 6 x 5 (152 x 127)	2	5.75 (146)	14.44 (367)	3.39 (86)	10.60 (269)
	3				
	5				
	7.5				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
5009 6 x 5 (152 x 127)	184JM	2	5.31 (135)	14.00 (356)	7.5 (191)	6.50 (165)	4.50 (114)	8.86 (225)	12.25 (311)	12.40 (315)	4.72 (120)	2.95 (75)	5.99 (152)	0.75 (19)	0.41 (10)	5.50 (140)	10.16 (258)
	213JM	3			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				6.99 (177)		0.41 (10)	5.50 (140)	
	215JM	5			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				6.99 (177)		0.41 (10)	7.00 (178)	
	254JM	7.5			10.0 (254)	9.50 (241)	6.25 (159)		16.19 (411)				8.11 (206)		0.53 (13)	8.25 (210)	

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/EPT	CF	Ceramic/EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

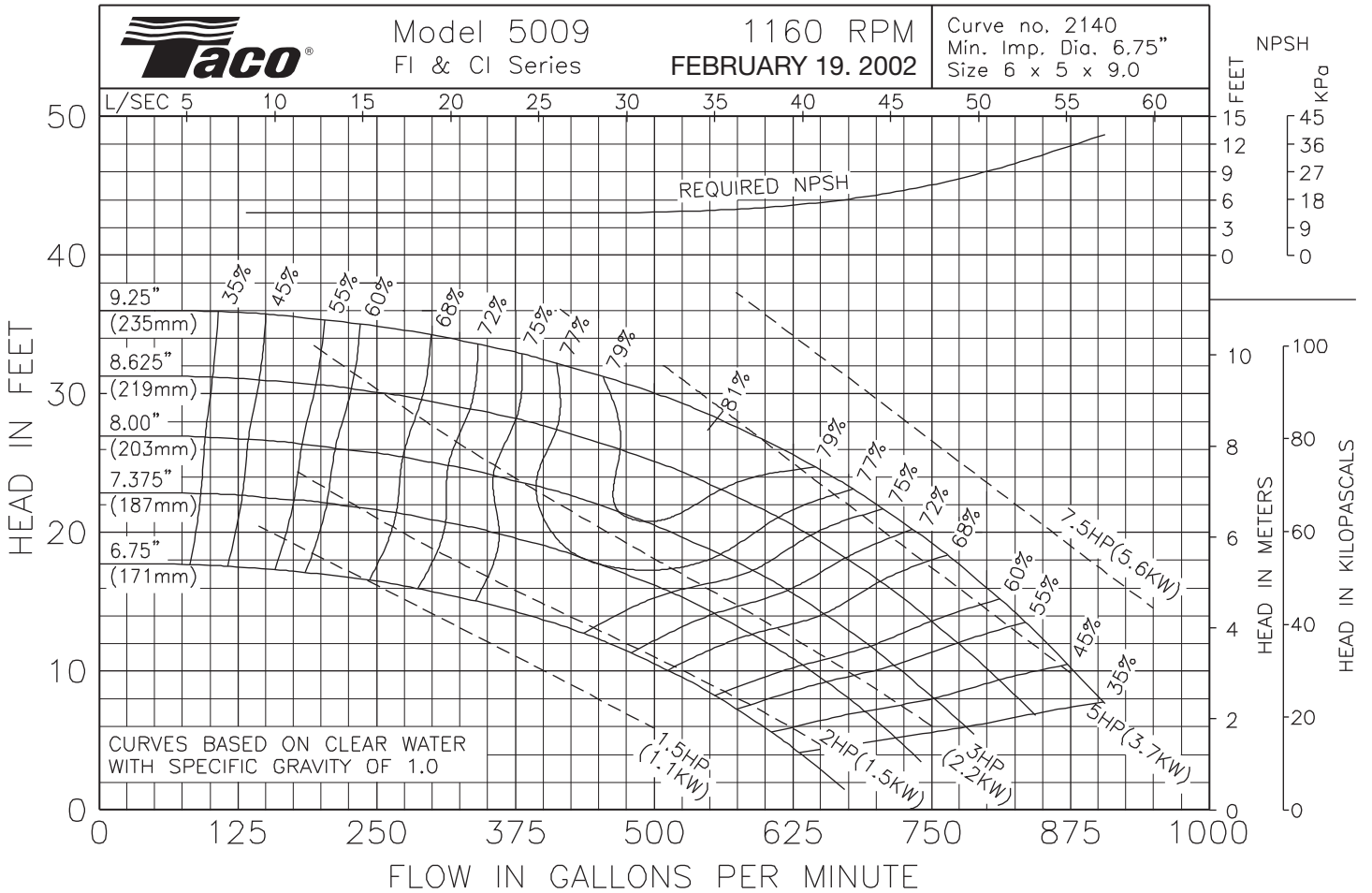
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
182JM - 184JM	270 (122)
213JM - 215JM	335 (152)
254JM - 256JM	442 (200)



Comments:

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Submittal Data Information CI Series Pumps

301-1339

EFFECTIVE: NOVEMBER 1, 2010

SUPERSEDES: NOVEMBER 1, 2009

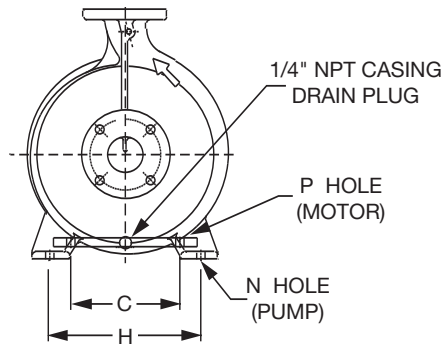
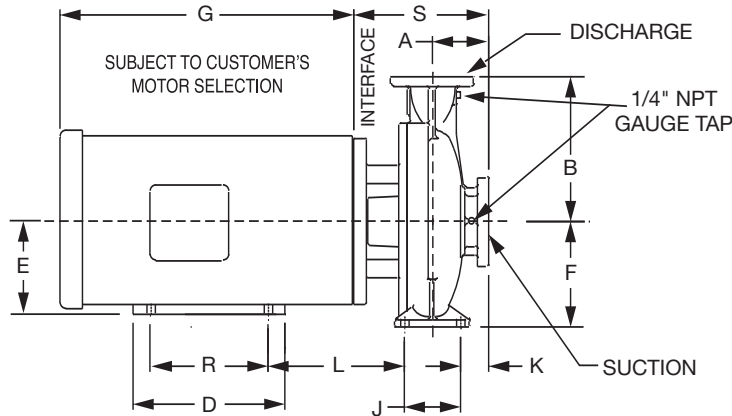
1160 RPM MODEL 5011

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
5011 6 x 5 (152 x 127)	3	5.75 (146)	15.44 (392)	2.80 (71)	10.60 (269)
	5				
	7.5				
	10				
					11.27 (286)

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
5011 6 x 5 (152 x 127)	213JM	3	5.31 (135)	15.00 (381)	8.5 (216)	8.00 (203)	5.25 (133)	11.02 (280)	13.94 (354)	15.75 (400)	5.90 (150)	2.36 (60)	6.40 (163)	0.88 (22)	0.41 (10)	5.50 (140)	10.16 (258)
	215JM	5			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				6.40 (163)		0.41 (10)	7.00 (178)	
	254JM	7.5			10.0 (254)	9.50 (241)	6.25 (159)		16.19 (411)				7.57 (192)		0.53 (13)	8.25 (210)	
	256JM	10			10.0 (254)	11.75 (298)	6.25 (159)		16.19 (411)				7.57 (192)		0.53 (13)	10.00 (254)	

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/ EPT	CF	Ceramic/ EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

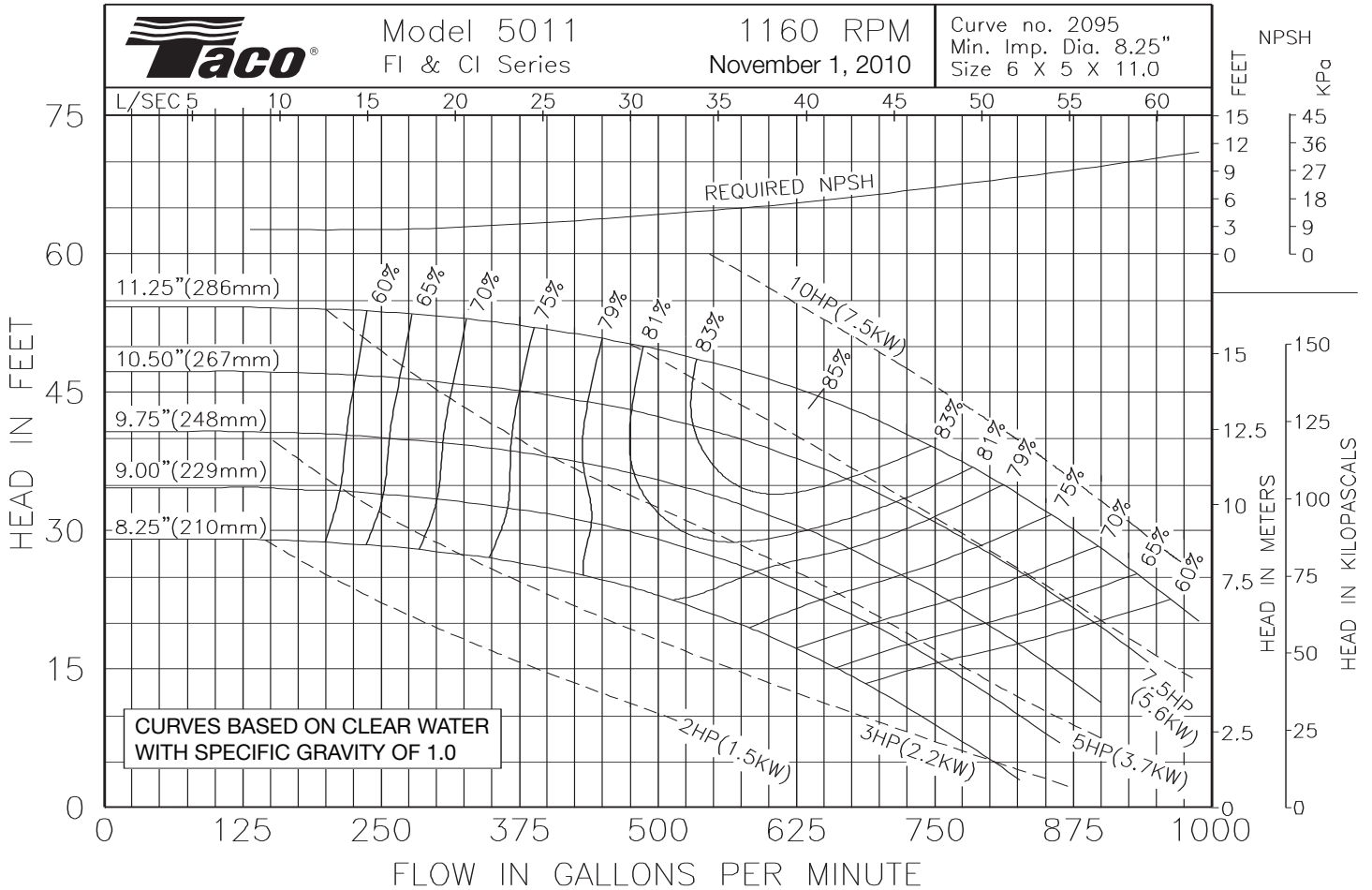
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
213JM - 215JM	376 (171)
254JM - 256JM	544 (247)



Comments:

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Submittal Data Information CI Series Pumps

301-1357

EFFECTIVE: NOVEMBER 1, 2010

SUPERSEDES: NOVEMBER 1, 2009

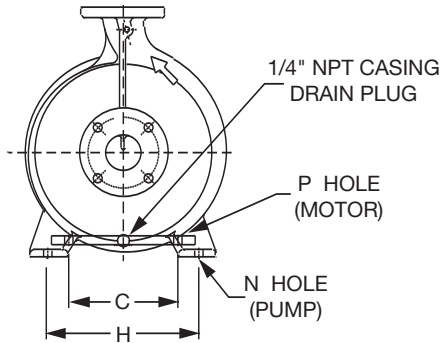
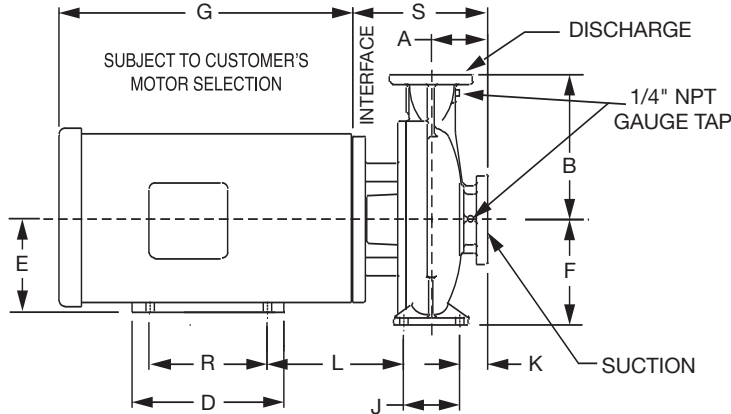
1160 RPM MODEL 5095

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
5095 6 x 5 (152 x 127)	2	5.75 (146)	11.44 (291)	3.40 (86)	10.66 (271)
	3				
	5				
	7.5				11.28 (287)

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
5095 6 x 5 (152 x 127)	184JM	2	5.31 (135)	11.00 (279)	7.5 (191)	6.50 (165)	4.50 (114)	8.86 (225)	12.25 (311)	12.40 (315)	4.72 (120)	2.95 (75)	6.04 (153)	0.75 (19)	0.41 (10)	5.50 (140)	10.21 (259)
	213JM	3			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				7.04 (179)		0.41 (10)	5.50 (140)	
	215JM	5			8.5 (216)	8.00 (203)	5.25 (133)		13.94 (354)				7.04 (179)		0.41 (10)	7.00 (178)	
	254JM	7.5			10.0 (254)	9.50 (241)	6.25 (159)		16.19 (411)				8.16 (207)		0.53 (13)	8.25 (210)	10.84 (275)

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/ EPT	CF	Ceramic/ EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

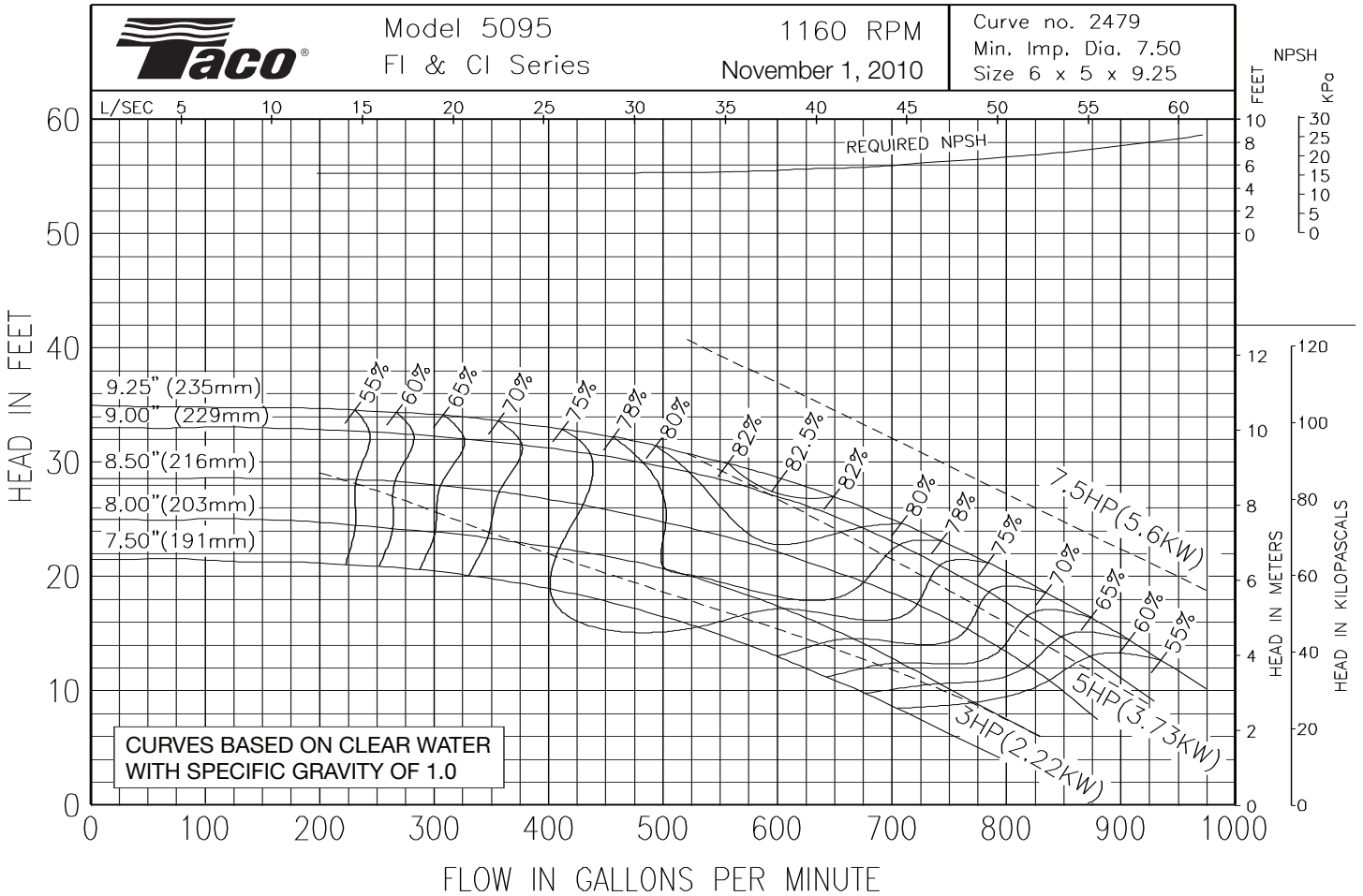
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
182JM - 184JM	308 (140)
213JM - 215JM	343 (156)
254JM - 256JM	449 (204)



Comments:

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Submittal Data Information

CI Series Pumps

301-1728

EFFECTIVE: NOVEMBER 1, 2009

SUPERSEDES: MARCH 31, 2008

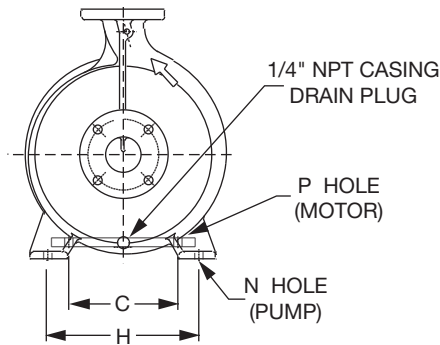
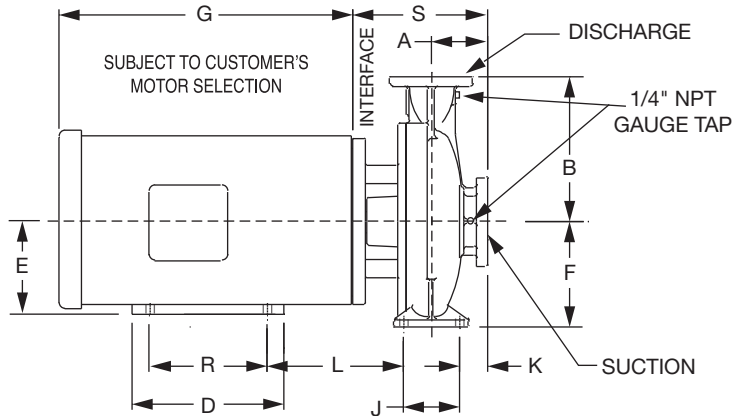
1160 RPM MODEL 6009B

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
6009 8 x 6 (203 x 152)	5	6.60 (168)	14.44 (367)	4.24 (108)	12.14 (308)
	7.5				12.76 (324)
	10				
	15				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
6009B 8 x 6 (203 x 152)	215JM	5	6.10 (155)	14.00 (356)	8.5 (216)	8.00 (203)	5.25 (133)	9.84 (250)	13.94 (354)	12.40 (315)	4.72 (120)	3.74 (95)	7.68 (195)	0.75 (19)	0.41 (10)	7.00 (178)	11.64 (296)
	254JM	7.5			10.0 (254)	9.50 (241)	6.25 (159)		16.19 (411)				8.80 (224)		0.53 (13)	8.25 (210)	
	256JM	10			10.0 (254)	11.75 (298)	6.25 (159)		16.19 (411)				8.80 (224)		0.53 (13)	10.00 (254)	
	284JM	15			11.0 (279)	10.75 (273)	7.00 (178)		19.81 (503)				8.80 (224)		0.53 (13)	9.50 (241)	

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	
	Std. Pump Constr.	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	N/A	Cast Iron ASTM A48 Class 30A	N/A
Wear Ring	N/A	Bronze ASTM B584-932 SAE660	N/A	N/A
Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/EPT	CF	Ceramic/EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

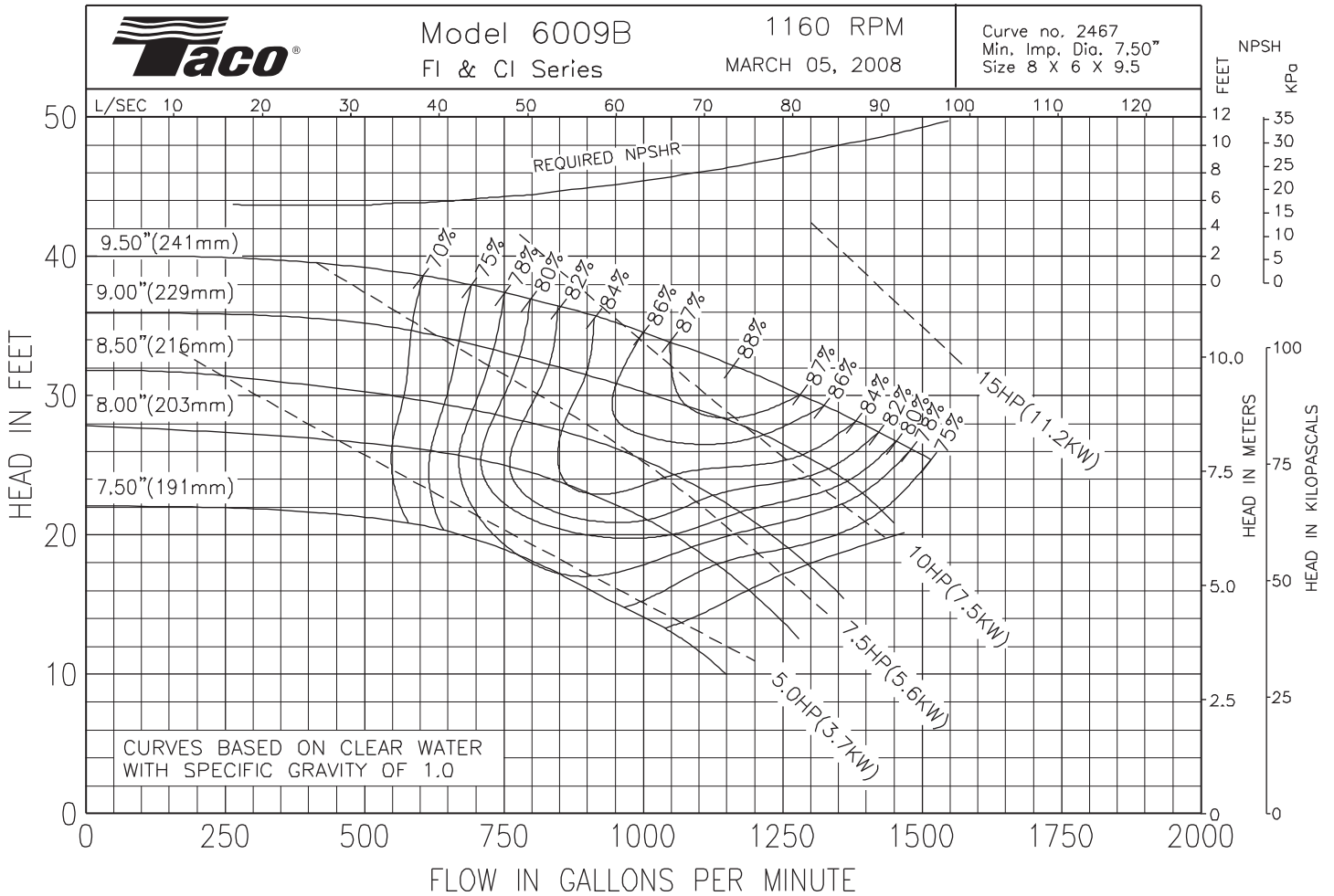
OPERATING SPECIFICATIONS

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

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 Lbs (Kg)
213JM - 215JM	446 (202)
254JM - 256JM	574 (260)
284JM - 286JM	666 (302)



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.
 Visit our web site at: <http://www.taco-hvac.com>

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Submittal Data Information CI Series Pumps

301-1341

EFFECTIVE: NOVEMBER 1, 2010

SUPERSEDES: NOVEMBER 1, 2009

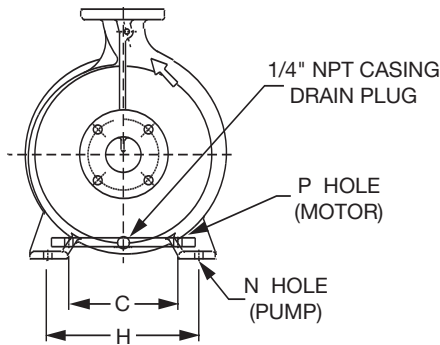
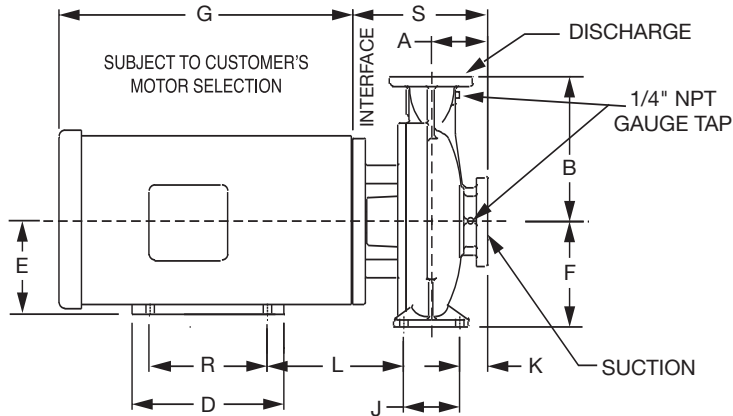
1160 RPM MODEL 6011

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 _____



DIMENSIONS (250 PSI)

Model No. Flange Size (Suction x Discharge)	HP 1160 (RPM)	A ANSI Class 250	B ANSI Class 250	K ANSI Class 250	S ANSI Class 250
6011 8 x 6 (203 x 152)	7.5	6.60 (168)	15.44 (392)	3.65 (93)	12.62 (321)
	10				
	15				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1160 (RPM)	A ANSI Class 125	B ANSI Class 125	C (Motor)	D	E	F	G	H (Pump)	J	K ANSI Class 125	L	N (Pump)	P	R	S ANSI Class 125
6011 8 x 6 (203 x 152)	254JM	7.5	6.10 (155)	15.00 (381)	10.0 (254)	9.50 (241)	6.25 (159)	12.40	16.19 (411)	17.72 (450)	5.90 (150)	3.15 (80)	8.07 (205)	0.88 (22)	0.53 (13)	8.25 (210)	12.12 (308)
	256JM	10			10.0 (254)	11.75 (298)	6.25 (159)		16.19 (411)				8.07 (205)		0.53 (13)	10.00 (254)	
	284JM	15			11.0 (279)	10.75 (273)	7.00 (178)		19.81 (503)				8.07 (205)		0.53 (13)	9.50 (241)	

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	Std. Pump Constr.	Optional	Standard	Optional
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Shaft	Carbon Steel AISI 1045	St. Steel AISI 416 ASTM A582	Carbon Steel AISI 1045	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	N/A
Mech. Seal	Ceramic/ EPT	CF	Ceramic/ EPT	CF
Seal Flush Line	N/A	Copper	N/A	Stainless Steel

CF - Consult Factory

N/A - Not Available

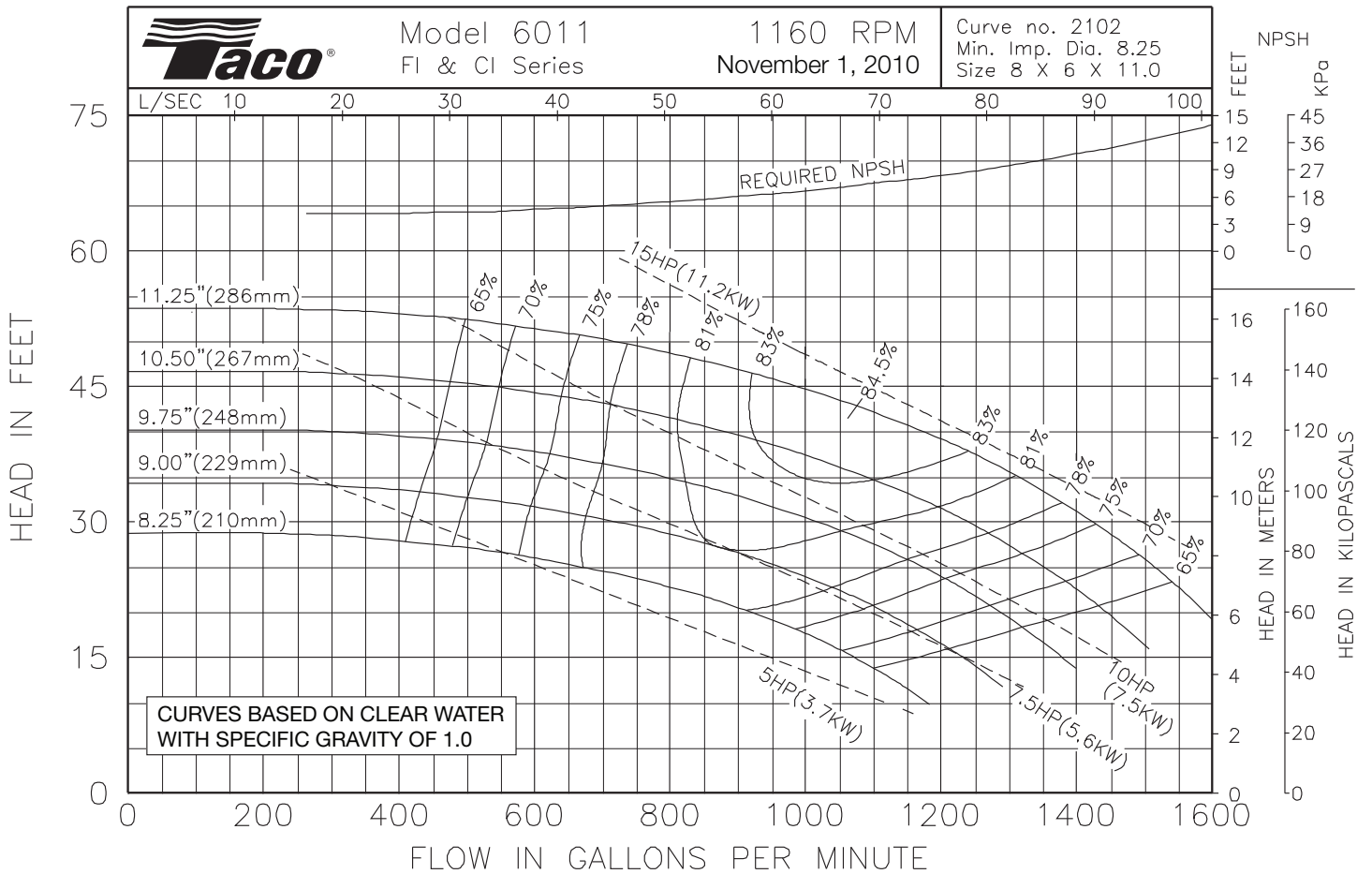
OPERATING SPECIFICATIONS

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Temperature	250°F (120°C)	250°F (120°C)

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 Lbs (Kg)
254JM - 256JM	691 (313)
284JM - 286JM	813 (369)



Comments:

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