



Submittal Data Information CI Series Pumps

301-1324

EFFECTIVE: NOVEMBER 1, 2009

SUPERSEDES: JANUARY 31, 2004

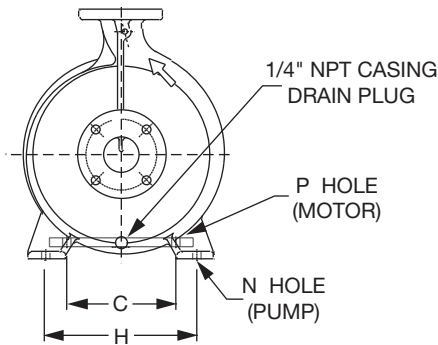
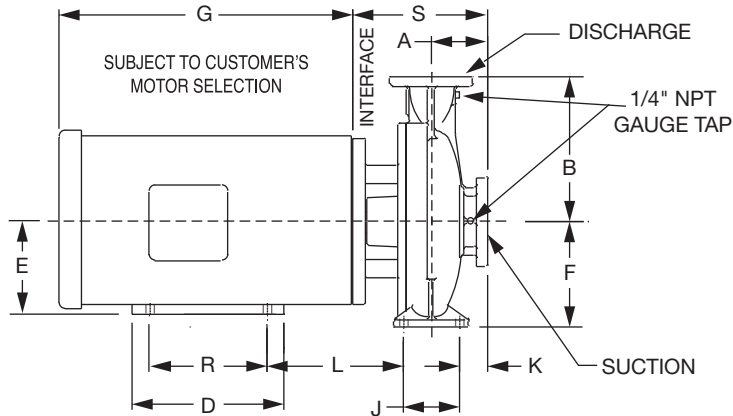
1160 RPM MODEL 2509

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

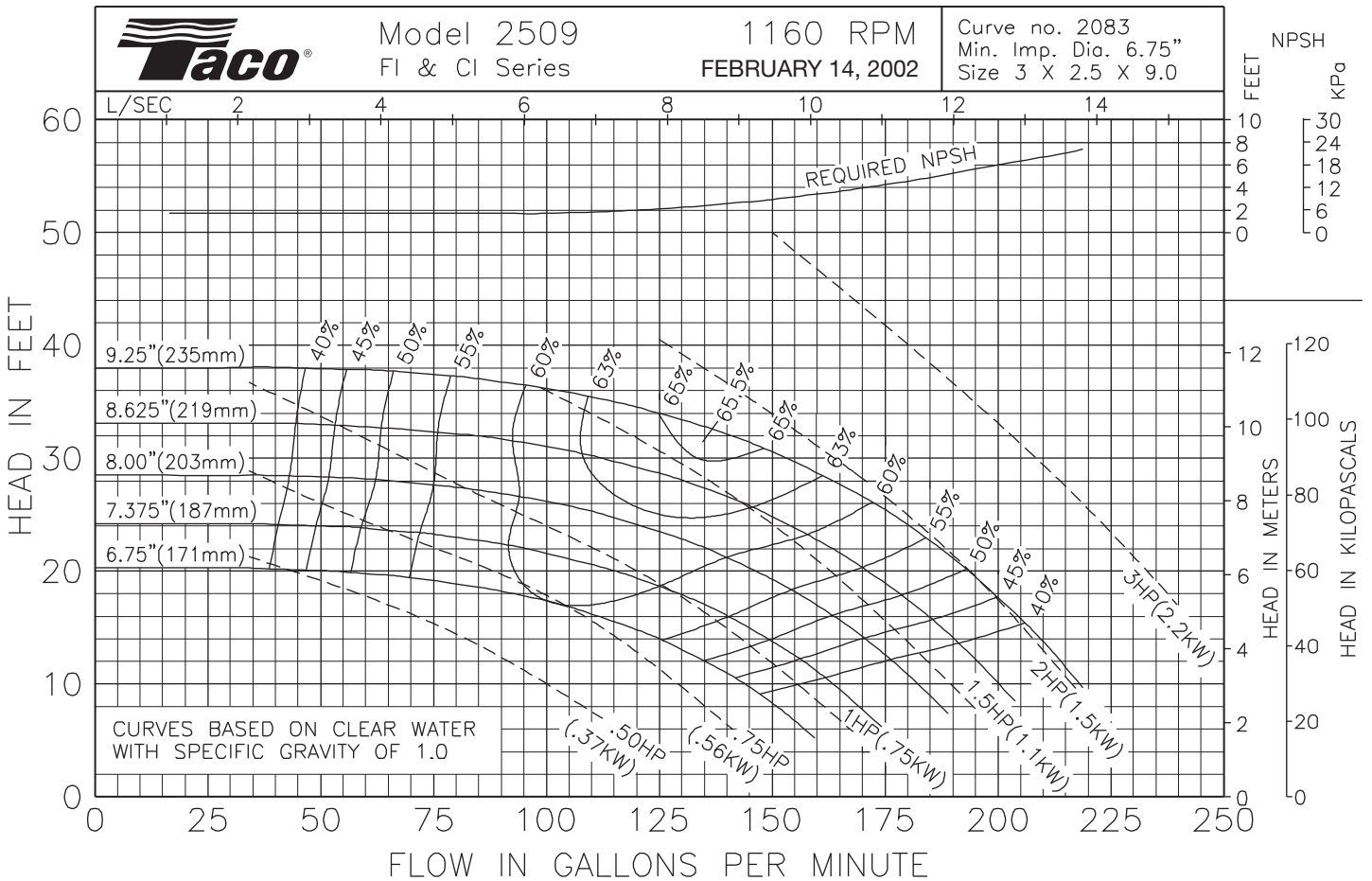
OPERATING SPECIFICATIONS

	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:

Do it Once. Do it Right.®

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

CI Series Pumps

301-1325

EFFECTIVE: NOVEMBER 1, 2009

SUPERSEDES: JANUARY 31, 2004

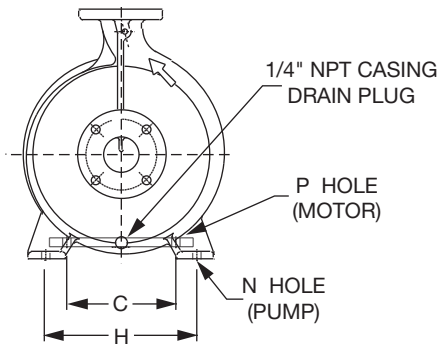
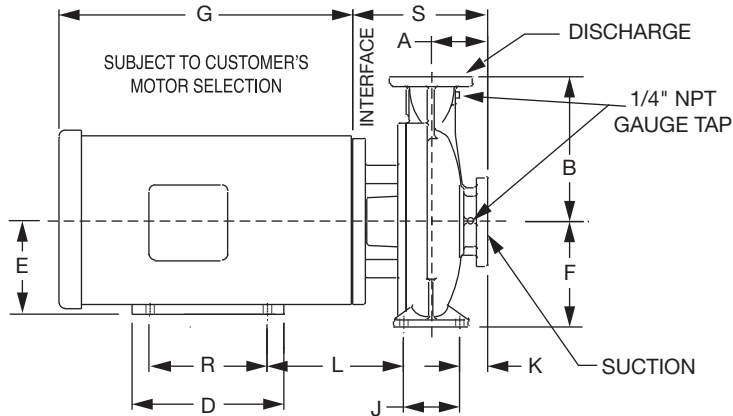
1760 RPM MODEL 2509

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 1760 (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)	2	5.09 (129)	9.31 (236)	3.21 (82)	9.39 (238)
	3				
	5				
	7.5				

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 1760 (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)	145JM	2	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)	5.0 (127)	9.02 (228)
	182JM	3			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				5.92 (150)		0.41 (10)	4.5 (114)	
	184JM	5			7.5 (191)	6.50 (165)	4.50 (114)		12.25 (311)				5.92 (150)		0.41 (10)	5.5 (140)	
	213JM	7.5			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

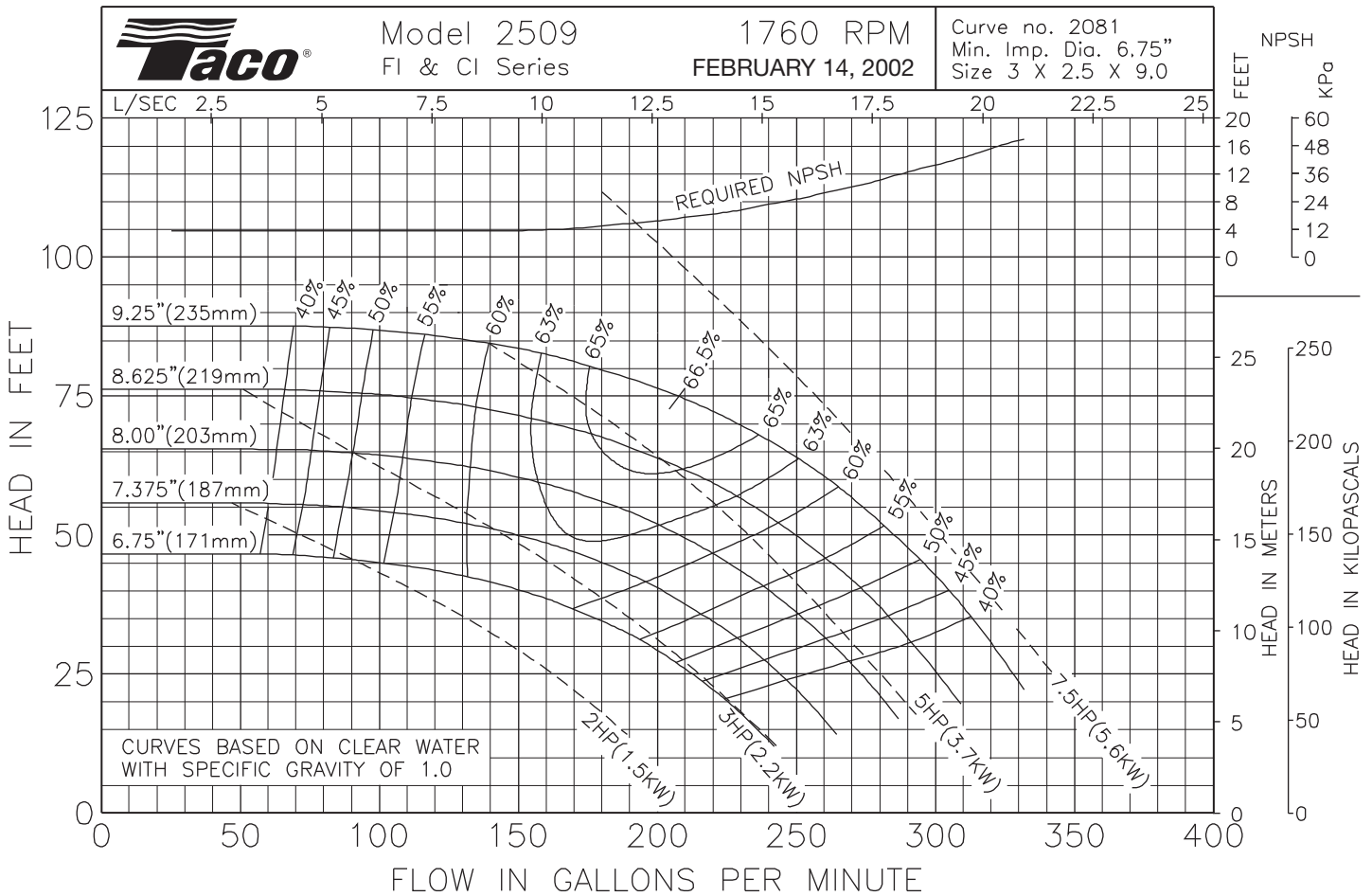
OPERATING SPECIFICATIONS

	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	248 (112)



Comments:

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Submittal Data Information CI Series Pumps

301-1326

EFFECTIVE: NOVEMBER 1, 2010

SUPERSEDES: NOVEMBER 1, 2009

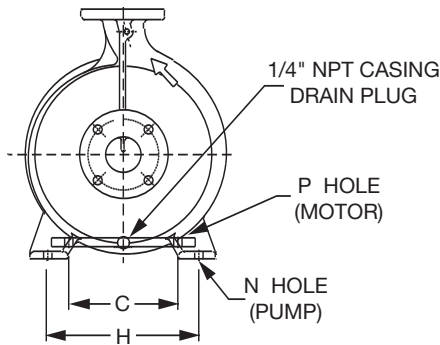
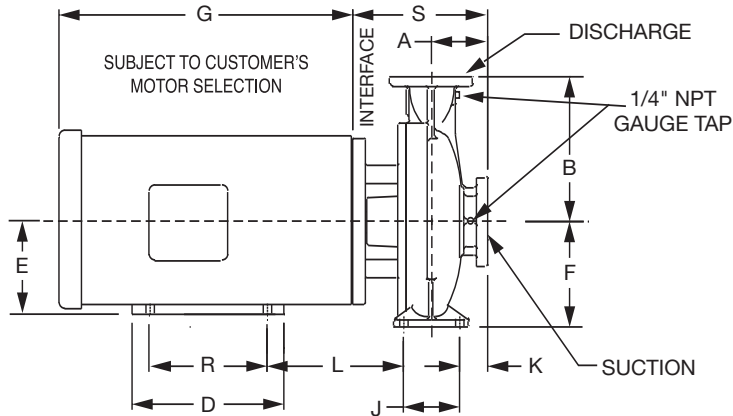
3500 RPM MODEL 2509

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 3500 (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)	20	5.09 (129)	9.31 (236)	3.21 (82)	10.01 (254)
	25				
	30				
	40				
	50				
60					

DIMENSIONS

50 Cycle Performance Curves attached when applicable.

Model No. Flange Size (Suction x Discharge)	Motor Frame	HP 3500 (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)	254JM	20	4.72 (120)	9.00 (229)	10.0 (254)	9.50 (241)	6.25 (159)	7.09 (180)	16.19 (411)	9.84 (250)	3.76 (96)	2.84 (72)	8.04 (204)	0.63 (16)	0.53 (13)	8.25 (210)	9.64 (244)
	256JM	25			10.0 (254)	11.75 (298)	6.25 (159)		16.19 (411)				8.04 (204)		0.53 (13)	10.00 (254)	
	284JM	30			11.0 (279)	10.75 (273)	7.00 (178)		19.81 (503)				8.04 (204)		0.53 (13)	9.50 (241)	
	286JM	40			11.0 (279)	12.25 (311)	7.00 (178)		19.81 (503)				8.04 (204)		0.53 (13)	11.00 (279)	
	324JM	50			12.5 (318)	12.00 (305)	8.00 (203)		23.44 (595)				8.54 (217)		0.66 (17)	10.50 (267)	
	326JM	60 *			12.5 (318)	12.00 (305)	8.00 (203)		23.44 (595)				8.54 (217)		0.66 (17)	12.00 (305)	

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

Do not use for construction purposes unless certified.

* 60 HP not available in TEFC.

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

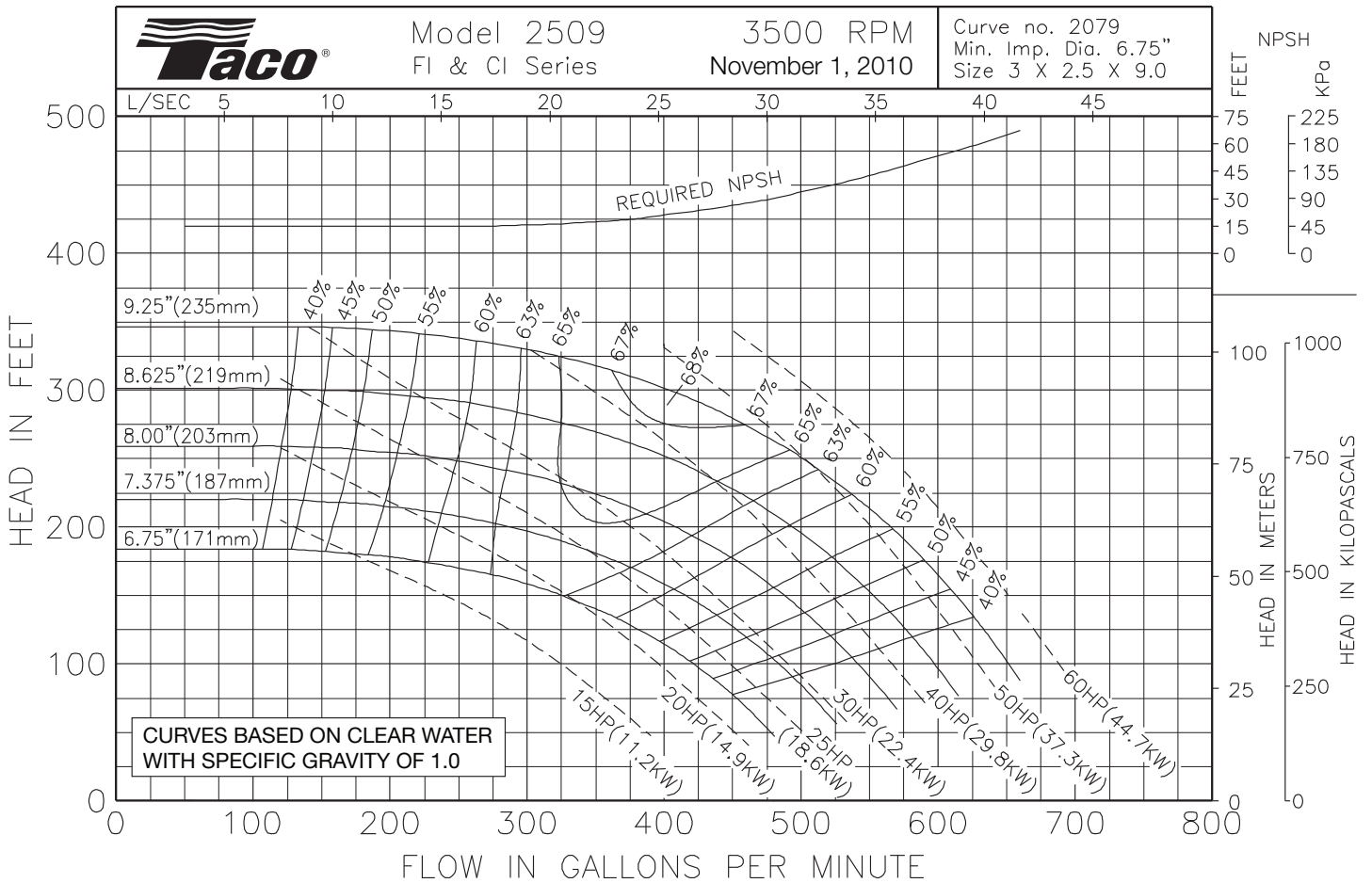
OPERATING SPECIFICATIONS

	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)
254JM - 256JM	534 (242)
284JM - 286JM	647 (293)
324JM - 326JM	798 (362)



Comments:

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