

CI Series Pump | Submittal Data

Submittal No: 301-2400 | Model: 1209C | RPM: 1450 - 50 Hz | Effective: January 27, 2020 | Supersedes: May 31, 2017

JOB: _____

REPRESENTATIVE: _____

ENGINEER: _____

CONTRACTOR: _____

PRODUCT DATA

ITEM NO. _____ MODEL NO. 1209C

IMPELLER DIAMETER _____ HORSEPOWER _____

GPM _____ VOLTAGE _____

HEAD/FT _____ RPM 1450

WEIGHT _____ PUMP/MOTOR _____

NSF 61 CERTIFIED YES NO

DIMENSIONS

Model No. | 1209C

Flange Size (Suction x Discharge) | 1 1/2 x 1 1/4 (38 x 32)

HORSEPOWER		1	1.5	2	3
ODP	MOTOR FRAME	143JM	145JM		182JM
	G MAX	11.15 (283)			13.76 (350)
	MAXIMUM ASSEMBLY WEIGHT LBS. (KG)	149 (68)			167 (76)
TEFC	MOTOR FRAME	143JM	145JM		182JM
	G MAX	11.15 (283)			13.76 (350)
	MAXIMUM ASSEMBLY WEIGHT LBS. (KG)	149 (68)			167 (76)
A		ANSI Class 125: 3.50 (89)			
		ANSI Class 250: 3.75 (95)			
B		ANSI Class 125: 9.10 (231)			
		ANSI Class 250: 9.36 (238)			
C (MOTOR)		5.5 (140)			7.5 (191)
D		5.94 (151)			6.50 (165)
E		3.50 (89)			4.50 (114)
F		7.09 (180)			
H (PUMP)		9.84 (250)			
J		3.75 (95)			
K		ANSI Class 125: 1.63 (41)			
		ANSI Class 250: 1.88 (48)			
L		5.22 (133)			6.05 (154)
N (PUMP)		0.62 (16)			
P		0.34 (9)			0.41 (10)
R		4.0 (101)	5.0 (127)		4.5 (114)
S		ANSI Class 125: 7.84 (199)			
		ANSI Class 250: 8.09 (206)			

Configuration	DOE Basic Model Number	PEI Value		Energy Rating
Bare Pump	CI1209C-4P-BP	PEI _d	0.86†	14†
Pump + Motor	CI1209C-4P-PM	PEI _d	0.86†	14†

†PEI/ER values based on 60Hz test.

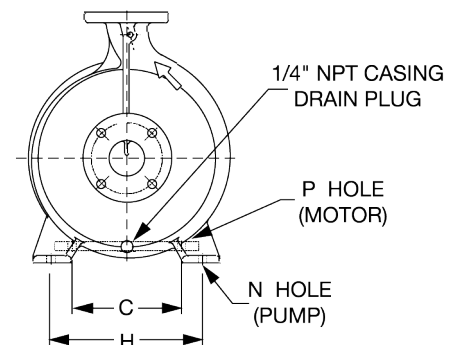
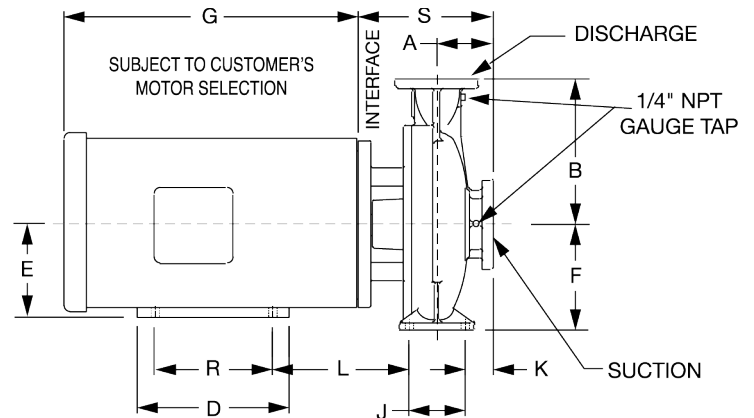
OPERATING SPECIFICATIONS

FLANGE	PRESSURE	TEMPERATURE
ANSI Class 125	175 PSIG* (1210 KPA)	250°F (120°C)
ANSI Class 250	300 PSIG** (2070 KPA)	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

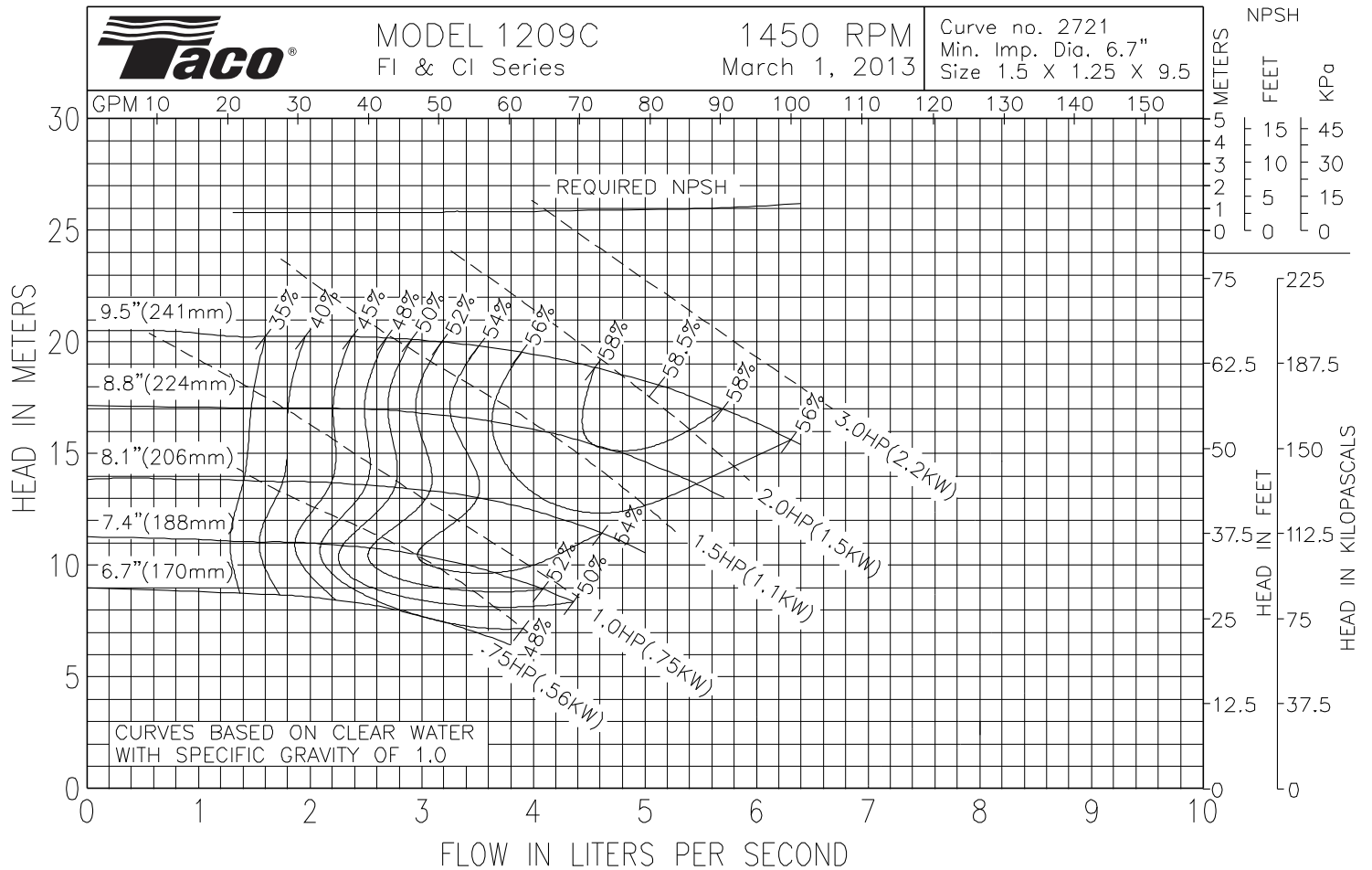


MATERIALS OF CONSTRUCTION

	BRONZE FITTED				NSF 61		
	STANDARD PUMP CONSTRUCTION		OPTIONAL 125# or 250#		STANDARD PUMP CONSTRUCTION		OPTIONAL 125# or 250#
	125# Flange	250# Flange			125# Flange	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 ALLOY C83600 or C84400	Bronze ASTM B584 ALLOY C83600 or C84400	N/A		Stainless Steel ASTM A351/A 351M-08	Stainless Steel ASTM A351/A 351M-08	N/A
Wear Ring	N/A	N/A	Bronze ASTM B584-98A C92200		N/A	N/A	Bronze ASTM B584-98A C92200
Shaft	Carbon Steel	Carbon Steel	N/A		Carbon Steel	Carbon Steel	N/A
Shaft Sleeve	Bronze ASTM B584-98A C92200	Bronze ASTM B584-98A C92200	Stainless Steel TYPE 303 ASTM A276		Bronze ASTM B584-98A C92200	Bronze ASTM B584-98A C92200	N/A
Mechanical Seal	Ceramic/EPT	Ceramic/EPT	Tungsten Carbide/EPT or Silicon- Carbide/EPT		Ceramic/EPT	Ceramic/EPT	N/A
Seal Flush Line Assembly	N/A	N/A	Copper & Brass C3600		Copper & Brass C3600	Copper & Brass C3600	N/A

N/A = Not available

Revised: 5/31/2017



COMMENTS