

CI Series Pump | Submittal Data

Submittal No: 301-2109D | Model: 2509D | RPM: 1450 - 50 Hz | Effective: January 27, 2020 | Supersedes: January 31, 2019

JOB: _____

REPRESENTATIVE: _____

ENGINEER: _____

CONTRACTOR: _____

PRODUCT DATA

ITEM NO. _____ MODEL NO. 2509D

IMPELLER DIAMETER _____ HORSEPOWER _____

GPM _____ VOLTAGE _____

HEAD/FT _____ RPM 1450

WEIGHT _____ PUMP/MOTOR _____

NSF 61 CERTIFIED YES NO

DIMENSIONS

Model No. | 2509D

Flange Size (Suction x Discharge) | 3 x 2 1/2 (76 x 64)

HORSEPOWER		2	3	5	7.5
ODP	MOTOR FRAME	145JM	182JM	184JM	213JM
	G MAX	11.15 (283)	13.76 (349)	15.26 (388)	15.47 (393)
	MAXIMUM ASSEMBLY WEIGHT LBS. (KG)	178 (81)	229 (104)		289 (131)
TEFC	MOTOR FRAME	145JM	182JM	184JM	213JM
	G MAX	11.15 (283)	13.76 (349)	15.26 (388)	16.64 (423)
	MAXIMUM ASSEMBLY WEIGHT LBS. (KG)	178 (81)	229 (104)		289 (131)
A		ANSI Class 125: 4.72 (120)			
		ANSI Class 250: 4.98 (126)			
B		ANSI Class 125: 10.0 (254)			
		ANSI Class 250: 10.31 (262)			
C (MOTOR)		5.5 (140)	7.5 (191)		8.5 (216)
D		5.94 (151)	6.50 (165)		8.00 (203)
E		3.50 (89)	4.50 (114)		5.25 (133)
F		7.09 (180)			
H (PUMP)		9.84 (250)			
J		3.76 (96)			
K		ANSI Class 125: 2.85 (72)			
		ANSI Class 250: 3.11 (79)			
L		5.55 (141)	6.18 (157)		7.43 (189)
N (PUMP)		0.56 (14)			
P		0.34 (9)	0.41 (10)		
R		5.00 (127)	4.50 (114)	5.50 (140)	
S		ANSI Class 125: 9.27 (236)			
		ANSI Class 250: 9.53 (242)			

Configuration	DOE Basic Model Number	PEI Value		Energy Rating
Bare Pump	CI2509D-4P-BP	PEI _d	0.87†	13†
Pump + Motor	CI2509D-4P-PM	PEI _d	0.87†	13†

†PEI/ER values based on 60Hz test.

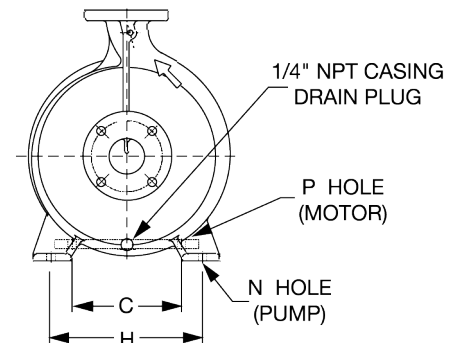
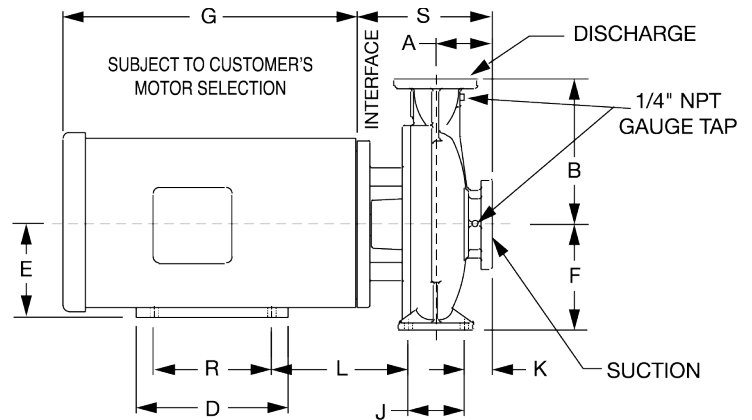
OPERATING SPECIFICATIONS

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			CASING	COVER	IMPELLER	WEAR RING	SHAFT	SHAFT SLEEVE	MECHANICAL SEAL	SEAL FLUSH LINE ASSEMBLY
STANDARD CONSTRUCTION	BRONZE FITTED	125# FLANGE	Cast Iron ASTM A48/A48M-03 Class 30A	Cast Iron ASTM A48/A48M-03 Class 30A	Bronze ASTM B584 ALLOY C83600 or C84400	N/A	Carbon Steel	Bronze ASTM B584-98A C92200	Ceramic/EPT	N/A
		250# FLANGE	Ductile Iron ASTM A536-84 Grade 65-45-12	Cast Iron ASTM A48/A48M-03 Class 30A	Bronze ASTM B584 ALLOY C83600 or C84400	N/A	Carbon Steel	Bronze ASTM B584-98A C92200	Ceramic/EPT	N/A
OPTIONAL		125# OR 250#	N/A	N/A	Stainless Steel ASTM A351/A 351M-08	Bronze ASTM B584-98A C92200	N/A	Stainless Steel TYPE 303 ASTM A276	Tyngsten Carbide /EPT or Silicon-Carbide/EPT	Copper & Brass C3600
STANDARD CONSTRUCTION	NSF 61	125# FLANGE	Cast Iron ASTM A48/A48M-03 Class 30A	Cast Iron ASTM A48/A48M-03 Class 30A	Stainless Steel ASTM A351/A 351M-08	N/A	Carbon Steel	Bronze ASTM B584-98A C92200	Ceramic/EPT	Copper & Brass C3600
		250# FLANGE	Ductile Iron ASTM A536-84 Grade: 65-45-12	Cast Iron ASTM A48/A48M-03 Class 30A	Stainless Steel ASTM A351/A 351M-08	N/A	Carbon Steel	Bronze ASTM B584-98A C92200	Ceramic/EPT	Copper & Brass C3600
OPTIONAL		125# OR 250#	N/A	N/A	N/A	Bronze ASTM B584-98A C92200	N/A	N/A	N/A	N/A

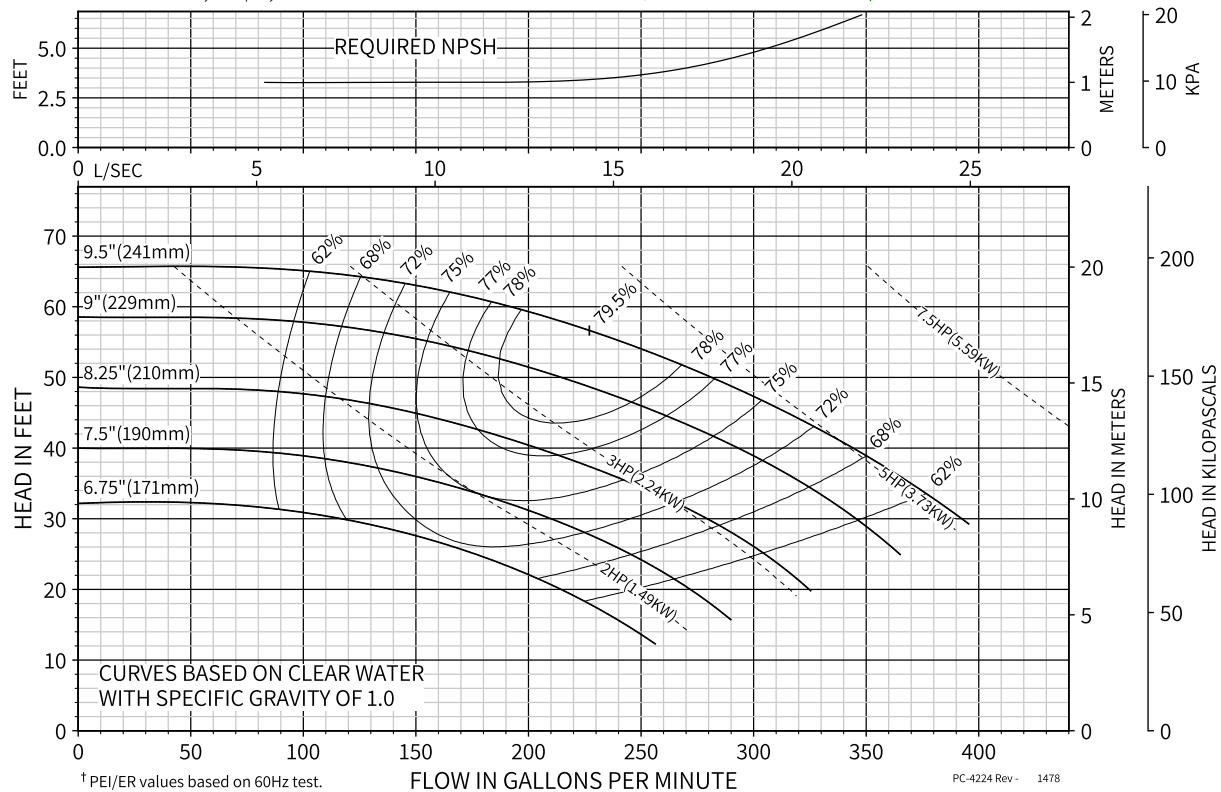
N/A - Not Available



CI Series | Model: 2509D | 1450 RPM

Curve No. 4224 | Min. Imp. Dia. 6.75" | Size 3x2.5x9.5 | January 31, 2020

Energy Efficiency Rating: DOE Basic Model Number: CI2509D-4P-PM
Pump & Motor: PEI_{CL}: 0.87[†] | ER_{CL}: 13[†]



COMMENTS