

CI Series Pump | Submittal Data

Submittal No: 301-2111D | Model: 2509D | RPM: 2900 - 50 Hz | Effective: January 27, 2020 | Supersedes: May 6, 2019

JOB: _____

REPRESENTATIVE: _____

ENGINEER: _____

CONTRACTOR: _____

PRODUCT DATA

ITEM NO. _____ MODEL NO. 2509D

IMPELLER DIAMETER _____ HORSEPOWER _____

GPM _____ VOLTAGE _____

HEAD/FT _____ RPM 2900

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)

Configuration	DOE Basic Model Number	PEI Value	Energy Rating
Bare Pump	CI2509D-2P-BP	PEI _d 0.89†	11†
Pump + Motor	CI2509D-2P-PM	PEI _d 0.89†	11†

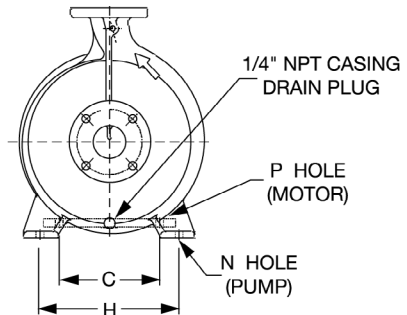
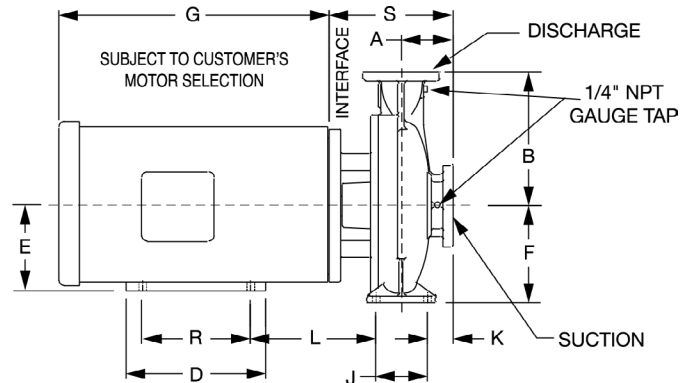
†PEI/ER values based on 60Hz test.

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

HORSEPOWER		15		20		25		30		40	
ODP	MOTOR FRAME	215JM		254JM		256JM		284JM		286JM	
	G MAX	16.60 (422)		19.44 (494)		19.44 (494)		21.31 (541)		21.69 (551)	
	MAXIMUM ASSEMBLY WEIGHT LBS. (KG)	309 (140)	487 (221)	487 (221)	487 (221)	605 (275)	605 (275)				
TEFC	MOTOR FRAME		254JM		256JM		284JM		286JM		324JM
	G MAX		20.05 (509)		20.05 (509)		23.39 (594)		23.39 (594)		25.40 (645)
	MAXIMUM ASSEMBLY WEIGHT LBS. (KG)		487 (221)		487 (221)		605 (275)		605 (275)		785 (356)
A		ANSI Class 125: 4.72 (120)									
		ANSI Class 250: 4.98 (126)									
B		ANSI Class 125: 10.00 (254)									
		ANSI Class 250: 10.31 (262)									
C (MOTOR)		8.5 (216)	10.0 (254)				11.0 (279)			12.5 (318)	
D		8.0 (203)	9.5 (241)	11.75 (298)		10.75 (273)		12.25 (311)		12.00 (305)	
E		5.25 (133)	6.25 (159)				7.00 (178)			8.00 (203)	
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		7.43 (189)	8.60 (218)								9.10 (231)
N (PUMP)		0.56 (14)									
P		0.41 (10)	0.53 (13)								0.66 (17)
R		7.00 (178)	8.25 (210)	10.00 (254)		9.50 (241)		11.00 (279)		10.50 (267)	
S		ANSI Class 125: 9.27 (236)	ANSI Class 125: 10.19 (259)								
		ANSI Class 250: 9.53 (242)	ANSI Class 250: 10.45 (266)								



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			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

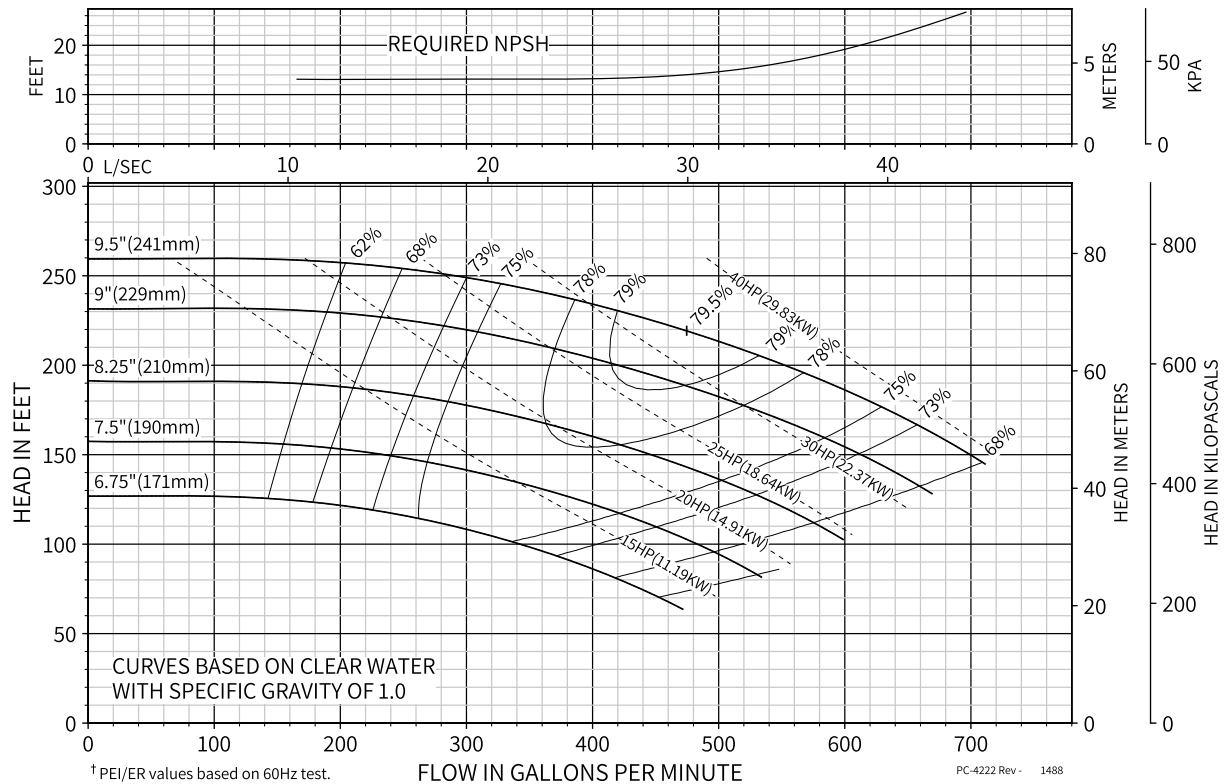


CI Series | Model: 2509D | 2900 RPM

Curve No. 4222 | Min. Imp. Dia. 6.75" | Size 3x2.5x9.5 | January 31, 2020

Comfort Solutions
A Taco Family Company

Energy Efficiency Rating: DOE Basic Model Number: CI2509D-2P-PM
Pump & Motor: PE_{CL}: 0.89[†] | ER_{CL}: 11[†]



COMMENTS