

CI Series Pump | Submittal Data

Submittal No: 301-1372D | Model: 2507D | RPM: 1450 - 50 Hz | Effective: January 27, 2020 | Supersedes: July 12, 2018

JOB: _____

REPRESENTATIVE: _____

ENGINEER: _____

CONTRACTOR: _____

PRODUCT DATA

ITEM NO. _____ MODEL NO. 2507D

IMPELLER DIAMETER _____ HORSEPOWER _____

GPM _____ VOLTAGE _____

HEAD/FT _____ RPM 1450

WEIGHT _____ PUMP/MOTOR _____

NSF 61 CERTIFIED YES NO

DIMENSIONS

Model No. | 2507D

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

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)	141 (64)			193 (87)
TEFC	MOTOR FRAME	143JM	145JM		182JM
	G MAX	11.15 (283)			13.76 (350)
	MAXIMUM ASSEMBLY WEIGHT LBS. (KG)	141 (64)			193 (87)
A		ANSI Class 125: 4.57 (116)			
		ANSI Class 250: 4.94 (125)			
B		ANSI Class 125: 7.83 (199)			
		ANSI Class 250: 8.13 (207)			
C (MOTOR)		5.5 (140)			7.5 (191)
D		5.94 (151)			6.50 (165)
E		3.5 (89)			4.5 (114)
F		7.09 (180)			
H (PUMP)		9.84 (250)			
J		3.74 (95)			
K		ANSI Class 125: 2.69 (68)			
		ANSI Class 250: 3.06 (78)			
L		5.38 (137)			6.00 (152)
N (PUMP)		0.56 (14)			
P		0.34 (9)			0.41(10)
R		4.0 (101)	5.0 (127)		4.5 (115)
S		ANSI Class 125: 8.94 (227)			
		ANSI Class 250: 9.31 (236)			

Configuration	DOE Basic Model Number	PEI Value		Energy Rating
Bare Pump	CI2507D-4P-BP	PEI _d	0.93 [†]	7 [†]
Pump + Motor	CI2507D-4P-PM	PEI _d	0.93 [†]	7 [†]

[†]PEI/ER values based on 60Hz test.

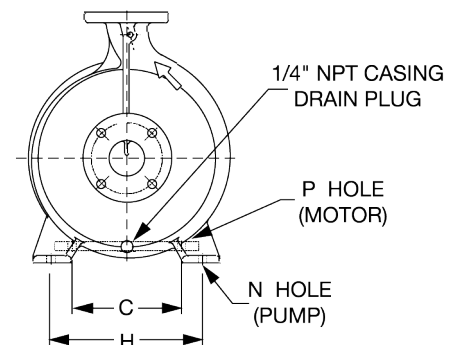
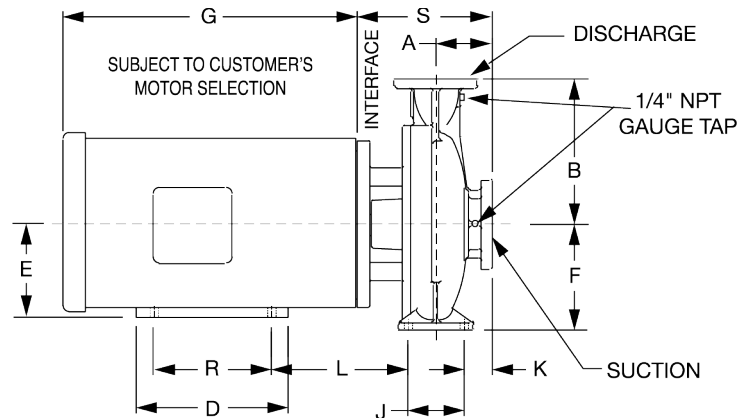
OPERATING SPECIFICATIONS

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

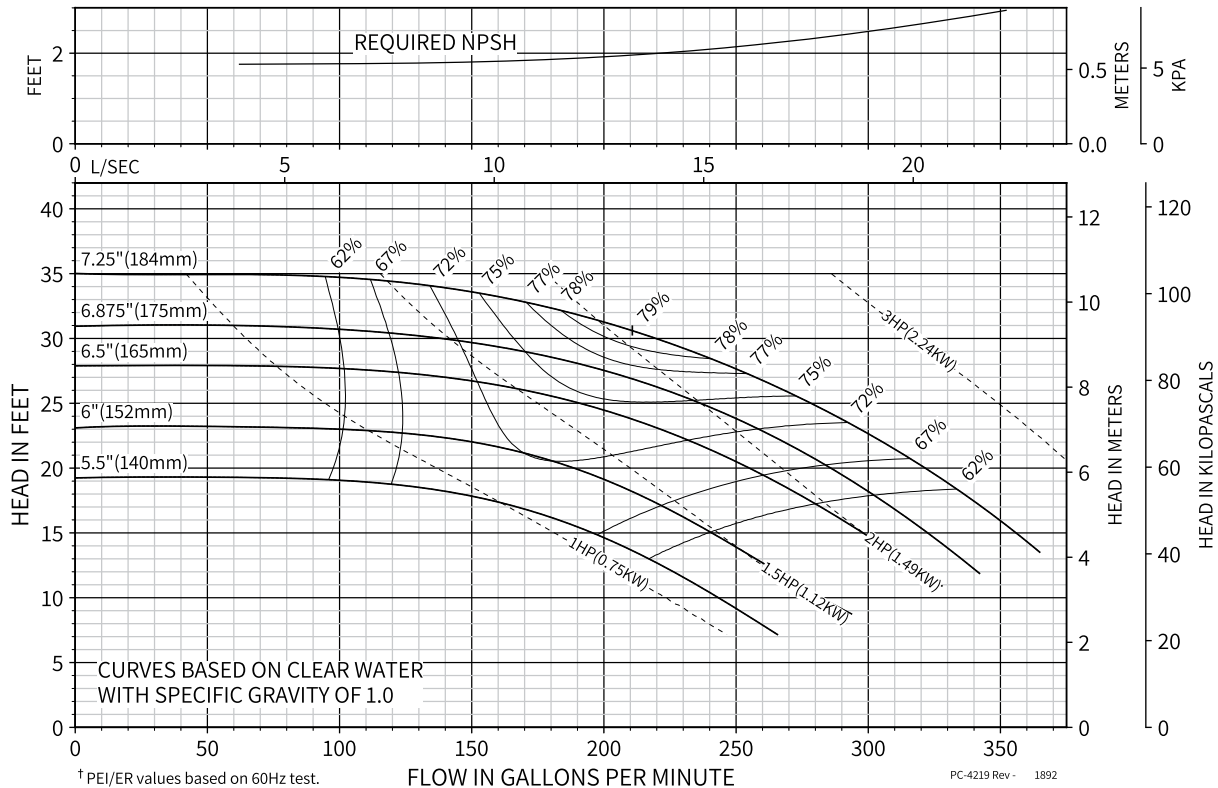
N/A - Not Available



CI Series | Model: 2507D | 1450 RPM

Curve No. 4219 | Min. Imp. Dia. 5.5" | Size 3x2.5x7.25 | February 11, 2020

Energy Efficiency Rating: DOE Basic Model Number: CI2507D-4P-PM
Pump & Motor: PEI_{CL}: 0.93[†] | ER_{CL}: 7[†]



COMMENTS