TC Series Pump | Submittal Data

Submittal No: 301-1854 I | **Model:** 100821 | **RPM:** 1450 - 50 Hz NEMA | **Effective:** June 30, 2019 | **Supersedes:** December 1, 2011

JOB: _____ **REPRESENTATIVE:** _____

ENGINEER: _____ **CONTRACTOR:** _____

PRODUCT DATA

ITEM NO. _____ **MODEL NO.** 100821

IMPELLER DIAMETER _____ **HORSEPOWER** _____

GPM _____ **VOLTAGE** _____

HEAD/FT _____ **RPM** 1450

WEIGHT _____ **PUMP/MOTOR** _____

OPERATING SPECIFICATIONS

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

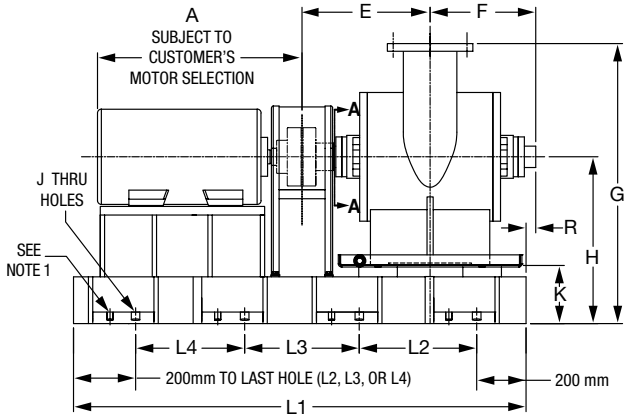
* In accordance with ANSI Standard B16.1 Class 125
** In accordance with ANSI Standard B16.1 Class 250 Dim.

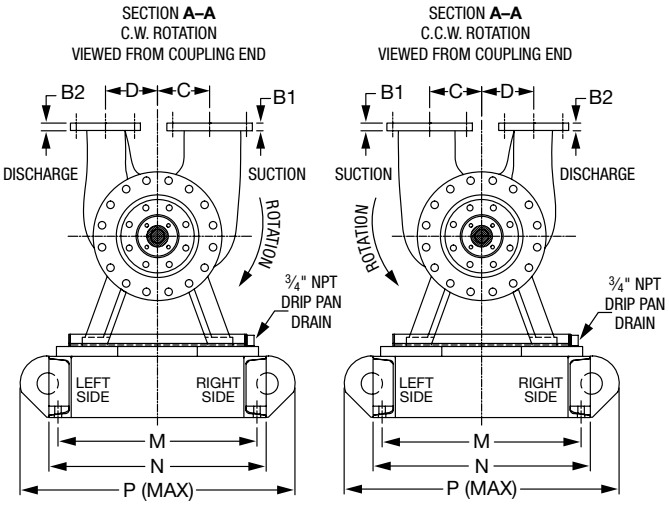
DIMENSIONS

Model No. | 100821 - **Flange Size (Suction x Discharge) |** 10 x 8 (254 x 203)

MOTOR & FRAME DIMENSIONS				
KW	150	185	250	300
IEC MOTOR FRAME IP55	315L		355M	355L
MAX. ASSEMBLY WEIGHT LBS (KG)	7500 (3402)		8500 (3856)	
A (MAX. VALUE)**	52.09 (1323)		62.91 (1598)	
J	8 X 1.1 (8 X 28)			
K	9.33 (237)			
L1	90.94 (2310)		104.33 (2650)	
L2	25.07 (636.7)		29.53 (750)	
L3				
L4				
M	37.40 (950)			
N	39.76 (1010)			
P	46.85 (1190)			

PUMP DIMENSIONS				
KW	150	185	250	300
B1 Suction	ANSI Class 125: 1.18 (30)			
	ANSI Class 250: 1.89 (48)			
B2 Discharge	ANSI Class 125: 1.10 (28)			
	ANSI Class 250: 1.61 (41)			
C	11.81 (300)			
D	11.81 (300)			
E	27.44 (697)			
F	20.94 (532)			
G	52.64 (1337)			
H	32.95 (837)			
R	2.64 (67)			





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

Dimensions are subject to change without notice. Do not use for construction purposes unless certified.

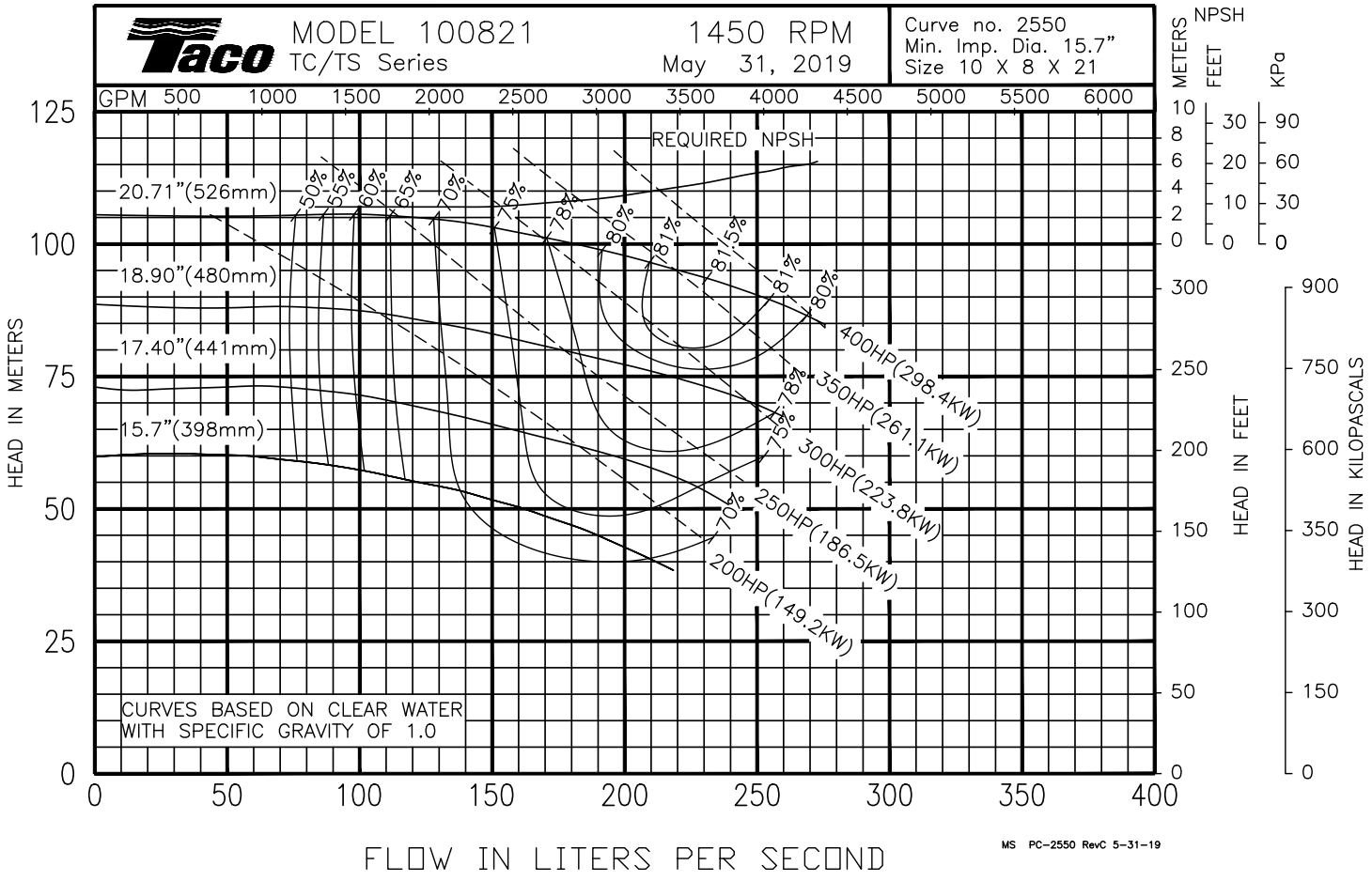
* Standard voltage is 380/415V, 50 Hz, 3 Phase.

NOTE 1: Smaller holes are for alignment. Dimensions not supplied.

** Motor dimensions are approximate and vary by manufacturer and motor type.

MATERIALS OF CONSTRUCTION	CASING	IMPELLER	WEAR RING	SHAFT	SHAFT SLEEVE	MECHANICAL SEAL	SEAL FLUSH LINE
STANDARD	Cast Iron ASTM A48 Class 30A	Stainless Steel AISI 304	Stainless Steel AISI 420	Carbon Steel AISI 1045	Stainless Steel AISI 420	Carbon/Silicon Carbide Viton	N/A
OPTIONAL	N/A	N/A	N/A	Stainless Steel AISI 420	N/A	N/A	Copper

N/A - Not Available



COMMENTS

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