

TC Series Pump | Submittal Data

Submittal No: 301-1813 | Model: 050314 | RPM: 1760 - 60 Hz | Effective: 08/01/24 | Supersedes: 04/25/19

JOB: _____

REPRESENTATIVE: _____

ENGINEER: _____

CONTRACTOR: _____

PRODUCT DATA

ITEM NO. _____ MODEL NO. 050314

IMPELLER DIAMETER _____ HORSEPOWER _____

GPM _____ VOLTAGE _____

HEAD/FT _____ RPM 1760

WEIGHT _____ PUMP/MOTOR _____

DIMENSIONS

Model No. | 050314 - Flange Size (Suction x Discharge) | 5 x 3 (127 x 76)

MOTOR & FRAME DIMENSIONS					
HP		25	30	40	50
MOTOR FRAME ODP	460 VOLT *	284T	286T	324T	326T
	2300/ 4160 VOLT	N/A			
MOTOR FRAME TEFC	460 VOLT *	284T	286T	324T	326T
	2300/ 4160 VOLT	N/A			
MAX. ASSEMBLY WEIGHT LBS (KG)		1523 (691)		1629 (740)	
A** (MAX. VALUE)		27.68 (703)		30.67 (779)	
J		4 X 0.79 (4 X 20)			
K		4.92 (125)			
L1		50.39 (1280)		52.76 (1340)	
L2		32.68 (830)		37.01 (940)	
L3		N/A			
L4		N/A			
M		21.69 (551)			
N		23.23 (590)			
P		27.56 (700)			

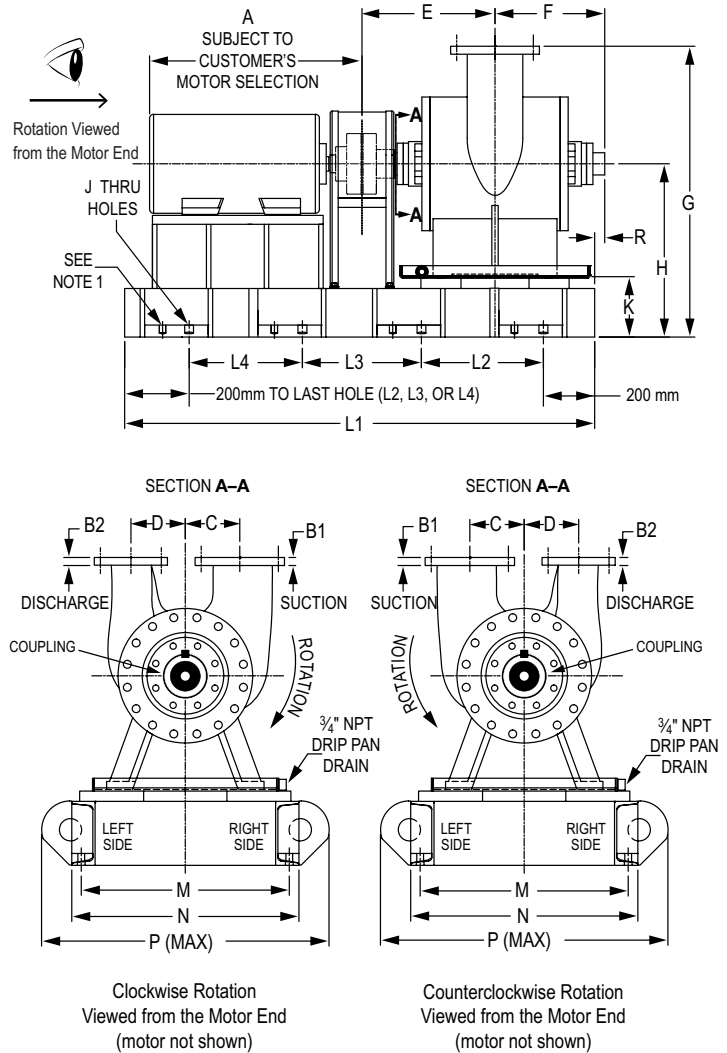
PUMP DIMENSIONS					
HP	25	30	40	50	
B1 Suction	ANSI Class 125: 0.94 (24)				
	ANSI Class 250: 1.38 (35)				
B2 Discharge	ANSI Class 125: 0.75 (19)				
	ANSI Class 250: 1.10 (28)				
C	6.30 (160)				
D	6.30 (160)				
E	16.46 (418)				
F	13.39 (340)				
G	30.31 (770)				
H	17.32 (440)				
R	2.44 (62)				

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.



For all customer supplied motors above 449 NEMA frame, a certified motor drawing must be supplied by the customer at time of order entry.

Submittal dimensions for motor frames above 449 NEMA are specific to Baldor Electric Motors only.

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 230/460 for motors up to 100HP.

NOTE 1: Additional set of smaller holes are for alignment. Dimensions not supplied.

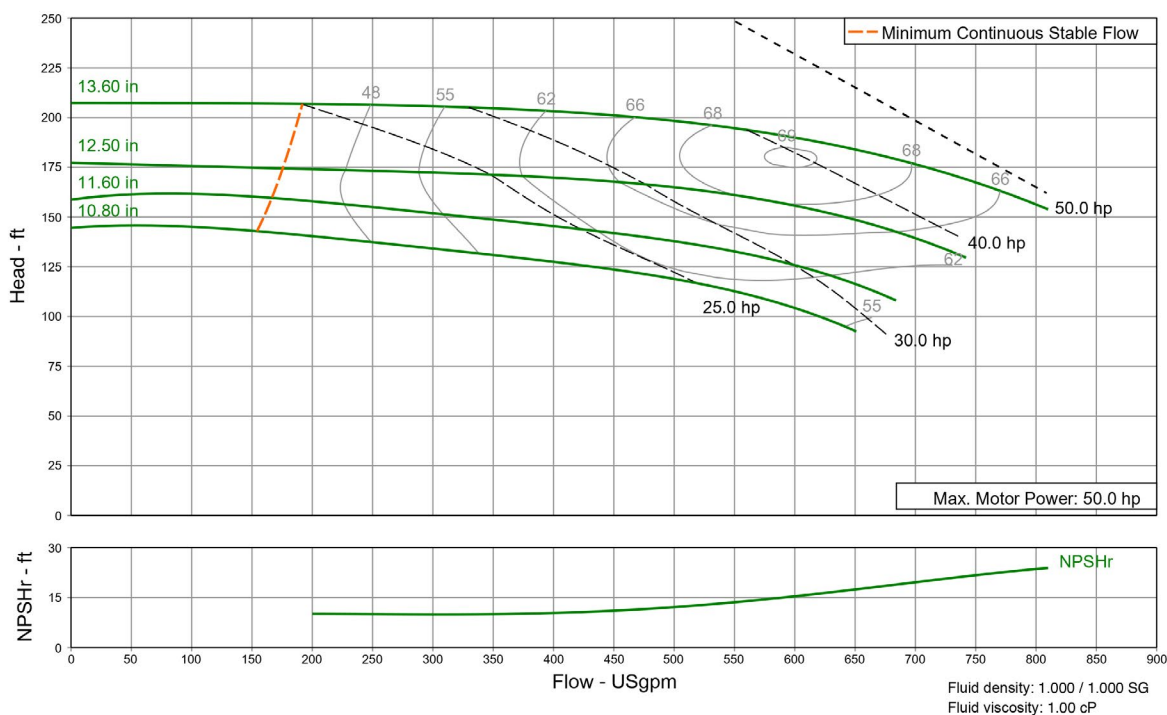
** Motor dimensions are approximate and vary by manufacturer and motor type.

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



Model 050314	1760 RPM	Curve no. 2507
TC/TS Series	August 1, 2024	Min. Imp. Dia. 10.8"
		Size 5 X 3 X 14



COMMENTS