

TC Series Pump | Submittal Data

Submittal No: 301-1833 | Model: 080520 | RPM: 1450 - 50 Hz NEMA | Effective: 08/01/24 | Supersedes: 06/30/19

JOB: _____

REPRESENTATIVE: _____

ENGINEER: _____

CONTRACTOR: _____

PRODUCT DATA

ITEM NO. _____ MODEL NO. 080520

IMPELLER DIAMETER _____ HORSEPOWER _____

GPM _____ VOLTAGE _____

HEAD/FT _____ RPM 1450

WEIGHT _____ PUMP/MOTOR _____

DIMENSIONS

Model No. | 080520 - Flange Size (Suction x Discharge) | 8 x 5 (203 x 127)

MOTOR & FRAME DIMENSIONS					
HP	75	100	125	150	
MOTOR FRAME ODP	380/415 VOLT *	365T	404T	405T	444T
	3300 VOLT	N/A			
MOTOR FRAME TEFC	380/415 VOLT *	365T	405T	444T	445T
	3300 VOLT	N/A			
MAX. ASSEMBLY WEIGHT LBS (KG)		2929 (1330)	3470 (1575)	4034 (1831)	
A** (MAX. VALUE)		33.70 (856)	38.54 (979)	44.88 (1140)	
J	6 X 1.1 (6 X 28)				
K	7.28 (185)				
L1	64.37 (1635)	68.11 (1730)	73.82 (1875)		
L2	24.31 (617.5)	26.18 (665)	29.04 (737.5)		
L3					
L4	N/A				
M	27.56 (700)				
N	29.92 (760)				
P	36.22 (920)				

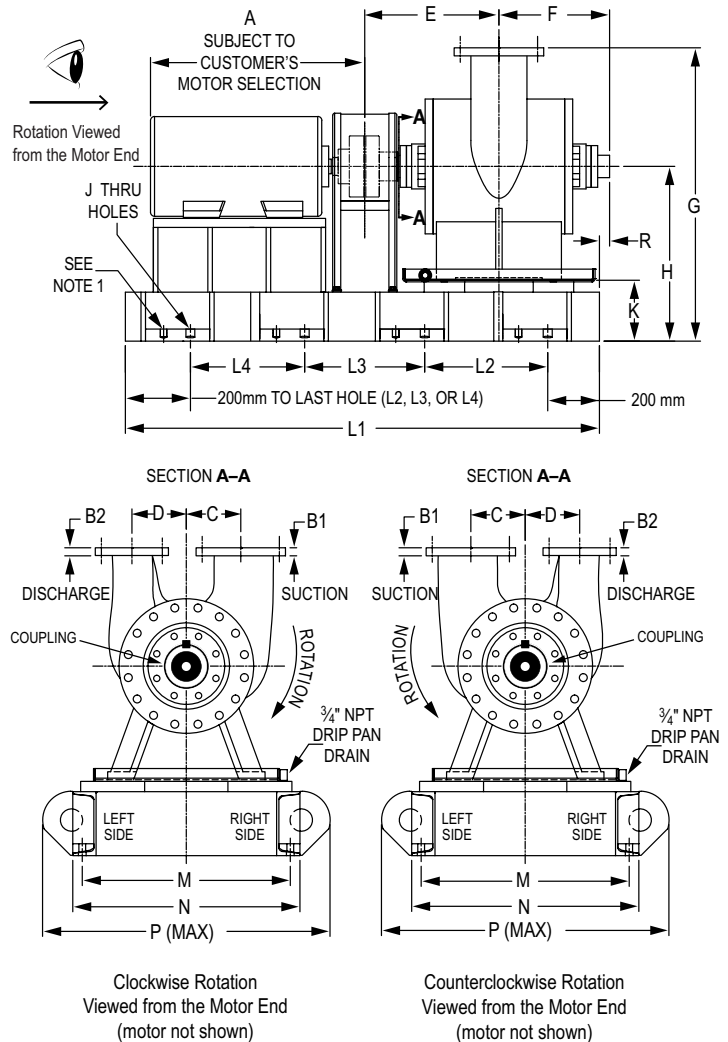
PUMP DIMENSIONS					
HP	75	100	125	150	
B1 Suction	ANSI Class 125: 1.10 (28)				
	ANSI Class 250: 1.61 (41)				
B2 Discharge	ANSI Class 125: 0.94 (24)				
	ANSI Class 250: 1.38 (35)				
C	7.87 (200)				
D	7.87 (200)				
E	20.39 (518)				
F	15.87 (403)				
G	40.75 (1035)				
H	23.03 (585)				
R	0.35 (9)				

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 380/415V, 50 Hz, 3 Phase.

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

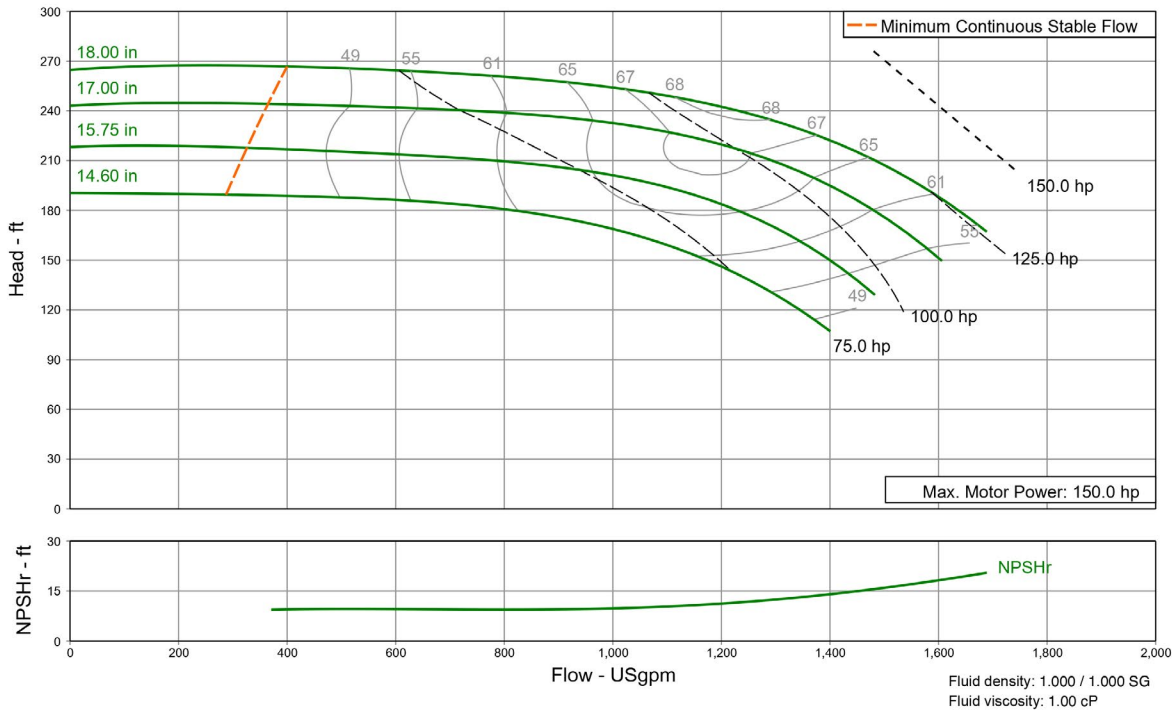
** Motor dimensions are approximate and vary by manufacturer and motor type.

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



Model 080520	1450 RPM	Curve no. 2529
TC/TS Series	August 1, 2024	Min. Imp. Dia. 14.6"
		Size 8 X 5 X 20



COMMENTS