DATA SHEETVERTICAL MULTISTAGE PUMP



304 Stainless Steel /Cast Iron Model:

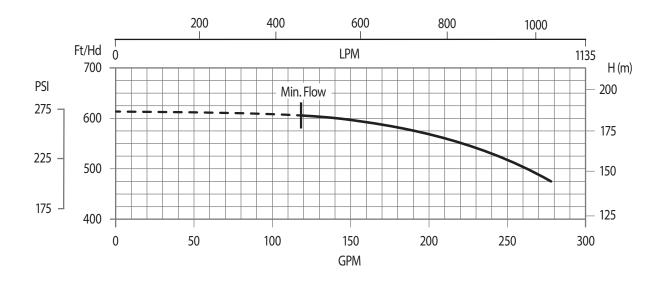
8C45K5S14T3F

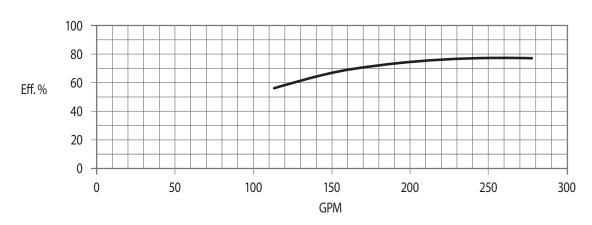


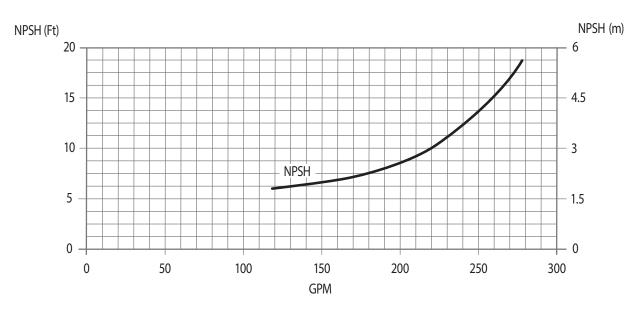
Size		
Suction	300# ANSI Raised Face 3"	
Discharge	300# ANSI Raised Face 3"	
HP	40 hp	
RPM	3450 rpm	
Liquid Handled		
Type of Liquid	**Clean Water	
Temperature Range	-22°-248° F (-30°-120° C)	
Max. Working Pressure	360 psi (25 bar)	
Materials		
Impeller	AISI 304	
Intermediate Casing	AISI 304	
Bottom Casing	Cast Iron	
Casing Cover	Cast Iron	
Outer Casing	AISI 304	
Shaft	AISI 316L	
Liner Ring	PTFE/AISI 316	
Motor Bracket	Cast Iron	
Base	Cast Iron	
Lower Pump Bearings	Tungsten Carbide	
Mechanical Seal	Silicon Carbide/Carbon/FPM	
Motor		
Туре	NEMA 324TSC Frame, TEFC	
Speed	60 Hz, 3450 RPM (2 Poles)	
Three Phase	*230/460V	
Direction of Rotation	ion of Rotation Clockwise When Viewed from Motor Er	
Test Standard	ISO 9906 Annex A	
Weight		
Pump	260 lbs	
Motor	422 lbs	

^{*} Prior to Department of Energy (DOE) EERE-2020-BT-TP-0011 motor was name-plated rated 208–230 Volt.

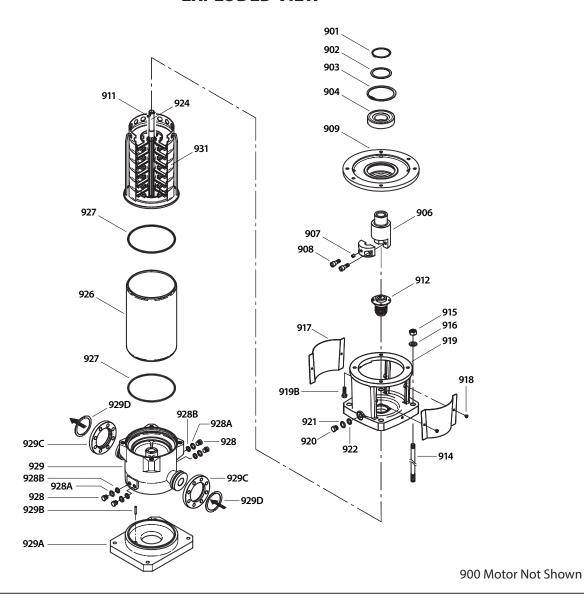
^{**} For other clean liquids, consult Cat Pumps.







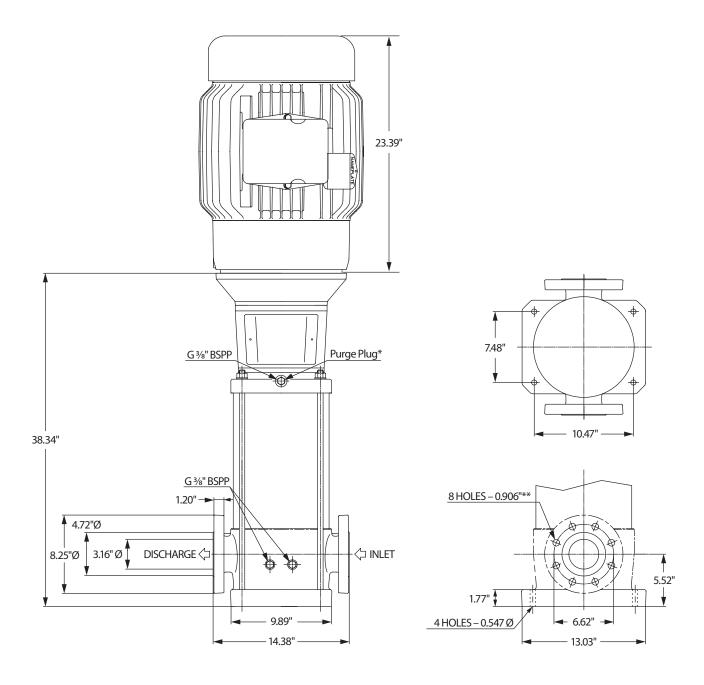
EXPLODED VIEW



PARTS LIST

ITEM	P/N	MATL	DESCRIPTION	QTY
900	_	_	Motor, Electric (Not Shown)	1
901	_	SS	Ring, Snap, C-Type	1
902	_	STL	Spacer	1
903	_	SS	Ring, Snap, C-Type	1
904	_	_	Bearing, Ball	1
906	_	STL	Coupling, Lower (2-Piece)	1
907	_	STL	Screw, Set	1
908	_	STZP	Screw, Coupler	2
909	_	F	Housing, Bearing	11
910	_	STL	Key (Not Shown)	1
911	_	SS	Cover, Suction	1
912	_	FSC	Seal, Mechanical	11
914	_	STZP	Rod, Tie	4
915	_	STZP	Nut, Tie Rod	4
916	_	STZP	Washer, Tie Rod	4
917	_	S	Guard, Coupling	2
918	_	S	Screw, Coupling Guard	2
919	_	F	Bracket, Motor	1
919B		STZP	Screw, Bearing Housing	4
920	_	SS	Plug, Vent	1
921	<u> </u>	SS	Washer, Vent Plug	1

ITEM	P/N	MATL	DESCRIPTION	QTY
922	_	FPM	O-Ring, Vent Plug	1
924	_	SSL	Shaft	1
925	_	SS	Nut, Impeller (Not Shown)	1
926	_	SS	Casting, Outer	1
927	_	FPM	O-Ring, Outer Casing	2
928	_	SS	Plug, Drain	4
928A	_	SS	Washer, Drain Plug	4
928B	_	FPM	O-Ring, Drain Plug	4
929	_	SS	Casing, Bottom	1
929A	_	F	Base	1
929B	_	_	Pin (Shaft)	1
929C	_	STL	Flange, Pump	2
929D	_	STL	Ring, Adjusting	2
930	_	_	Kit, Seal (Includes: Mechanical Seal and Two (2) Outer Casing O-Rings)	1
931	_	_	Kit, Hydraulic Includes: Hydraulic Assembly Upper and lower Casing O-Rings Pump Shaft Key Pumps Coupling Snap Ring Mechanical Seal with O-Rings	1



- * All air must be purged out before operation to prevent seal damage.
- ** Flange tightening torque = 59 ft-lbs

△ CAUTIONS AND WARNINGS

All high-pressure systems require a primary pressure regulating device (e.g. regulator, unloader) and a secondary pressure relief device (e.g. pop-off valve, relief valve). Failure to install such relief devices could result in personal injury or damage to pump or property. Cat Pumps does not assume any liability or responsibility for the operation of a customer's high-pressure system. Read all CAUTIONS and WARNINGS before commencing service or operation of any high-pressure system. The CAUTIONS and WARNINGS are included in each Service Manual and with each Accessory Data sheet. CAUTIONS and WARNINGS can also be viewed online at www.catpumps.com/dynamic-literature/cautions-and-warnings or can be requested directly from Cat Pumps.

WARRANTY

 $View the {\it Limited Warranty} on line at www.catpumps.com/literature/cat-pumps-limited-warranty}$