

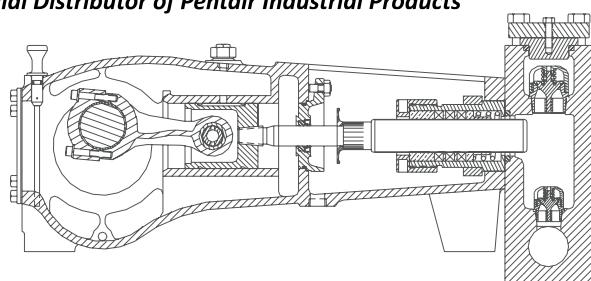


POWER ZONE
Equipment, Inc.

Official Distributor of Pentair Industrial Products

MYERS® APLEX SERIES

SC-65H TRIPLEX PLUNGER PUMP



Intermittent Duty Only

No. of plungers.....	3
Maximum rated speed.....	550 rpm
Stroke length.....	2.75 in. 69.85 mm
Maximum rated power.....	92 HP 68.5 KW
Maximum rod load	7216 lb. 32.04 kN
Weight	795 lbs.

ENGLISH UNITS

PLUNGER SIZE IN.	STUFFING BOX BORE IN.	MAX PSI	*GALLON PER/REV.	200 RPM US GPM	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM
1.625	2.500	3479	0.0741	14.8	18.5	25.9	33.3	40.7
1.500	2.500	4083	0.0631	12.6	15.8	22.1	28.4	34.7
1.375	2.250	4858	0.0530	10.6	13.3	18.6	23.9	29.2
1.250	2.250	5000	0.0438	8.8	11.0	15.3	19.7	24.1
<i>HP REQUIRED @ RPM**</i>				33.4	41.8	58.5	75.2	92.0

METRIC UNITS

PLUNGER SIZE MM.	STUFFING BOX BORE MM.	MAX PRESS. BAR	*LITER PER/REV.	200 RPM LPM	250 RPM LPM	350 RPM LPM	450 RPM LPM	550 RPM LPM
41.3	63.5	240.0	0.2805	56.1	70.1	98.2	126.2	154.3
38.1	63.5	281.5	0.2389	47.8	59.7	83.6	107.5	131.4
34.9	57.2	334.9	0.2006	40.1	50.2	70.2	90.3	110.3
31.8	57.2	344.7	0.1658	33.2	41.5	58.0	74.6	91.2
<i>KW REQUIRED @ RPM**</i>				24.9	31.1	43.6	56.1	68.6

*Displacement based on 100% Volumetric Efficiency

**Power based on 90% Mechanical Efficiency

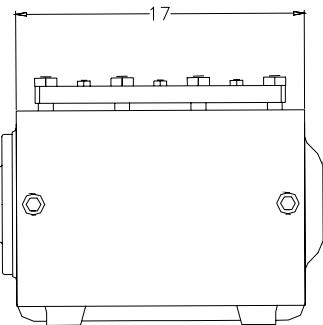
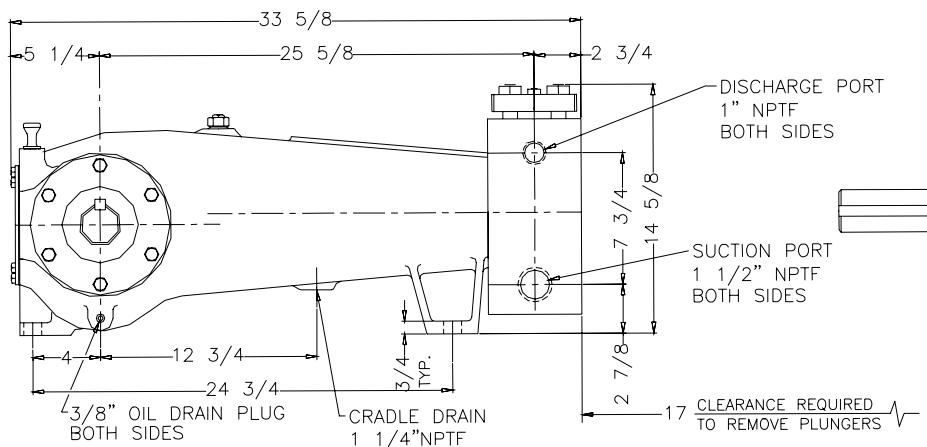
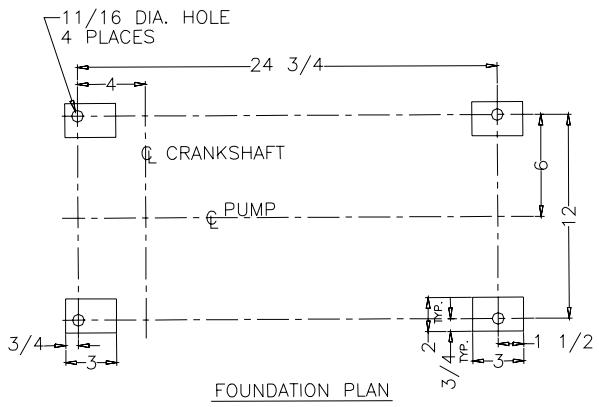
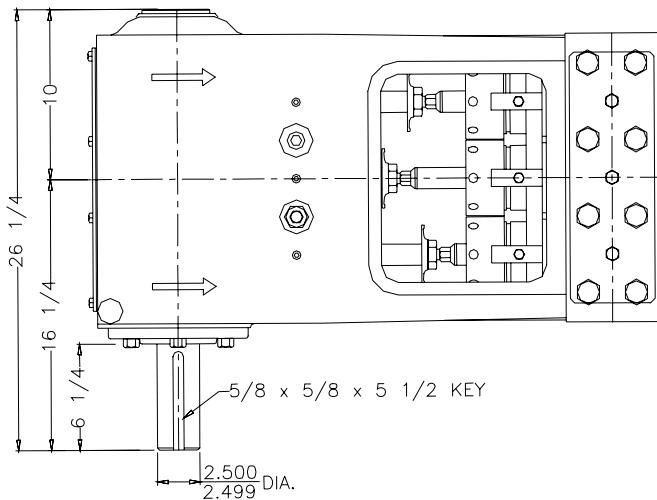
$$IHP = \frac{\text{USGPM} \times (\text{Discharge psig} - 1/2 \text{ Suction psig})}{1542}$$

$$IKW = \frac{\text{M}^3/\text{HR} \times (\text{Discharge Bar} - 1/2 \text{ SuctionBar})}{17.99}$$

$$\text{PUMP RPM} = \frac{\text{USGPM Desired}}{\text{USGPM per Revolution of Selected Plunger}}$$

$$\text{PUMP RPM} = \frac{\text{M}^3/\text{HR Desired}}{\text{M}^3 \text{ per Revolution of Selected Plunger}}$$

SC-65H Triplex Pump



ENGINEERING DATA

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POWER END ENGINEERING DATA

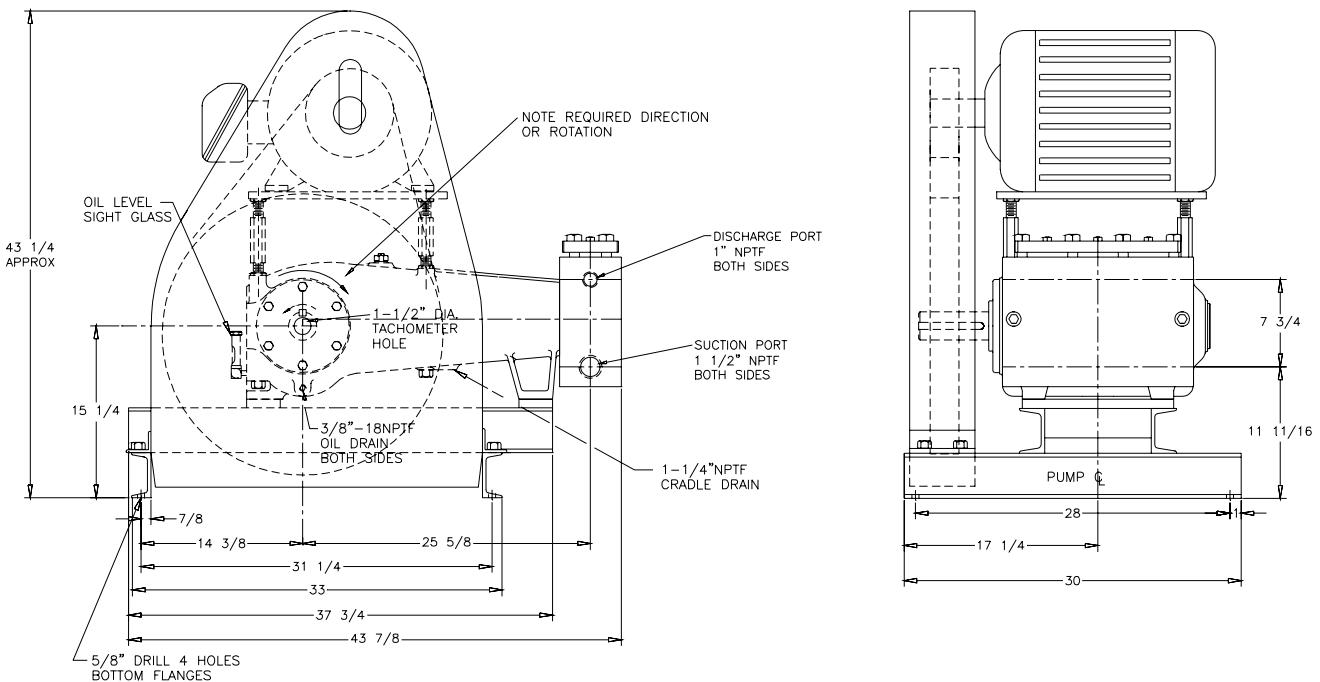
Max. Input Power @ Speed	92 HP @ 550 rpm
Rated Intermittent Plunger Load	7,216 lb.
Normal Continuous Speed Range	150-425 rpm
Minimum Speed	100 rpm
Oil Capacity	8 U.S. Qrts
Power End Oiling System	Splash & Scoop
Power Frame, One-Piece	Cast Iron
Crosshead, Full Cylindrical	Cast Iron
Crosshead, Dia. x Length.....	4 x 4 1/2 in.
Crankshaft	Ductile Iron
Crankshaft Diameters:	
At Tapered Roller Bearings	3.35 in.
At Crankpin Bearings, Dia. x Length.....	2 3/4 x 2 in.
Crosshead (Wrist) Pin, Case-Hardened and Ground	AISI 8620
Main Bearings, Tapered Roller	Timken®
Crankpin Bearings, Precision Automotive	Babbitt-Lined
Extension (Pony) Rod Integral w/ Plungers	316 S.ST.
Connecting Rod, Automotive Type	Ductile Iron
Average Crosshead Speed @ 550 rpm	252 fpm
Minimum Life Expectancy, Main Bearings, L ₁₀	30,000+ hr.

LIQUID END ENGINEERING DATA

Max. Continuous Working Pressure	5,000 psi
Hydrostatic Test	7,500 psi
Liquid End Materials, A.S.T.M.	
Carbon Steel.....	4140
Stainless Steel	15-5PH S.ST.
Plunger Type "Rokide" Stainless Steel, (Chromium Oxide-Coated)	316 S.ST.
Stuffing boxes, Field-Removable and Replaceable, Carbon Steel	1020
Packing Types Available:	
Spring-loaded, cup-type	Style 120X
Spring-loaded, Aramid Fiber	Style 140
Valve Cover and Cyl. Head Plugs	1020 or 316 S.ST.
Retainer Plates, Steel, A.S.T.M.	A36
Seals, Stuffing Boxes, Valve Covers	Buna-N
Valve Types:	
Abrasion Resistant	17-4PH S.ST.
Disc	17-4PH S.St.
Valve Spring Material	Inconel®
Valve Seat, Liquid Passage Area.....	2.23 sq.in.
Avg. Liquid Velocity, with 1 5/8" Plungers @ 550 RPM	
thru Suction Manifold	7.40 fps
thru Discharge Manifold	16.65 fps

All drawings and specifications subject to change without notice.

SC-65H Triplex Pump



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