MYERS® C35-20
HIGH PRESSURE RECIPROCATING PISTON PUMP

Over a century of experience has proven that the Pentair's Myers line of reciprocating pumps are designed and built with performance you can rely on. Our C35 high pressure reciprocating pump combines manufacturing expertise and application understanding for a pump that is perfect for a variety of high pressure jobs. For details, contact your Pentair sales representative, or customer service at 419-289-1144.

ADVANTAGES BY DESIGN

HANDLES WIDE RANGE OF DEMANDING INDUSTRIAL APPLICATIONS.

- High-strength fluid end and spring-loaded Hat valves tor high pressure pumping (up to 2.000 PSI) of large water volumes.
- Pumps liquids to 180˚F in mine, mill, food processing, car wash, sewer cleaner and other applications.

HORSEPOWER PERFORMANCE DATA

Flow Cap. GPM	RPM	Horsepower Required For: 600 PSI	800 PSI	1000 PSI	1200 PSI	1400 PSI	1600 PSI	1800 PSI	2000 PSI
19.5	375	8.0	10.7	13.4	16.1	18.7	21.4	24.1	26.8
24.6	475	10.1	13.5	16.9	20.3	23.6	27.0	30.4	33.8
29.8	575	12.3	16.4	20.5	24.5	28.6	32.7	36.8	40.9
35.0	675	14.4	19.2	24.0	28.8	33.6	38.4	43.2	48.0

KILOWATT PERFORMANCE DATA

Flow Capacity LPM	RPM	Kilowatts Required For: 41 BAR	55 BAR	69 BAR	83 BAR	96 BAR	110 BAR	124 BAR	138 BAR
73.8	375	6.0	8.0	10.0	12.0	13.9	16.0	18.0	20.0
93.1	475	7.5	10.1	12.6	15.1	17.6	20.1	22.7	25.2
112.8	575	9.2	12.2	15.3	18.3	21.3	24.4	27.4	30.5
132.5	675	10.7	14.3	17.9	21.5	25.1	28.6	32.2	35.8

- Horsepower required is based upon 85% overall efficiency.
- Formula: (1) HP required = (electric brake) $\frac{\text{GPM x PSI}}{1457}$ or KW = $\frac{\text{LPM x BAR}}{511}$

  (2) Expected GPM = Rated GPM x $\frac{\text{Working RPM}}{\text{Rated RPM}}$ or

  Expected LPM = Rated LPM x $\frac{\text{Working RPM}}{\text{Rated RPM}}$ or

  Motor shieve O.D. size = Pump shieve O.D. size x $\frac{\text{Pump RPM}}{\text{Motor RPM}}$

NOTE: Horsepower requirements for an internal combustion engine (gas or diesel) may be obtained by multiplying the figures listed by 1.3. Do not exceed 80% of the manufacturer's advertised horsepower at operating RPM.

PRODUCT CAPABILITIES, SPECIFICATIONS

Catalog Number	Max. Rated Capacity GPM (LPM)	Max. Rated Pressure PSI (Bar)	Temp. Rating °F (°C)	Size in inches (mm) Cylinder Bore	Piston Stroke	Suction Size NPT	Discharge Size NPT	Input Shaft	Keyway	Approx. Wgt. Lbs. (kg)
C35-20 Triplex	35 (132.49)	2000 (138)	180 (82)	1 3/4 (44.45)	1 3/4 (44.45)	1 1/2 (38.1)	1 (25.4)	1 3/8 (34.93)	5/16 x 5/32 (7.94 x 3.97)	230 (104.2)

PENTAIR

CALDER

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FLUID END

POWER END

SUCTION, DISCHARGE OPENINGS
Threaded for easy connections.

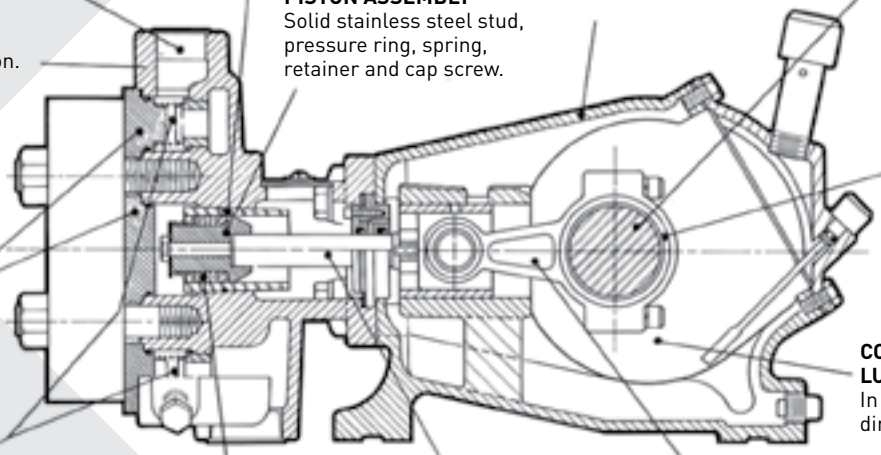
CYLINDERS
Tapered stainless steel liners with ceramic coating.

BODY
Rugged cast ductile iron crankcase serves as oil reservoir. Removable cover section for easy service.

CRANKSHAFT
Rotates in either direction. Automotive-type heat-treated alloy steel.

BODY
High strength ductile iron.

PISTON ASSEMBLY
Solid stainless steel stud, pressure ring, spring, retainer and cap screw.



MAIN BEARINGS
Tapered roller bearings.

VALVE & CYLINDER CAPS
Buna-N O-rings and back-up ring.

CONTINUOUS SPLASH LUBRICATION
In either rotation direction.

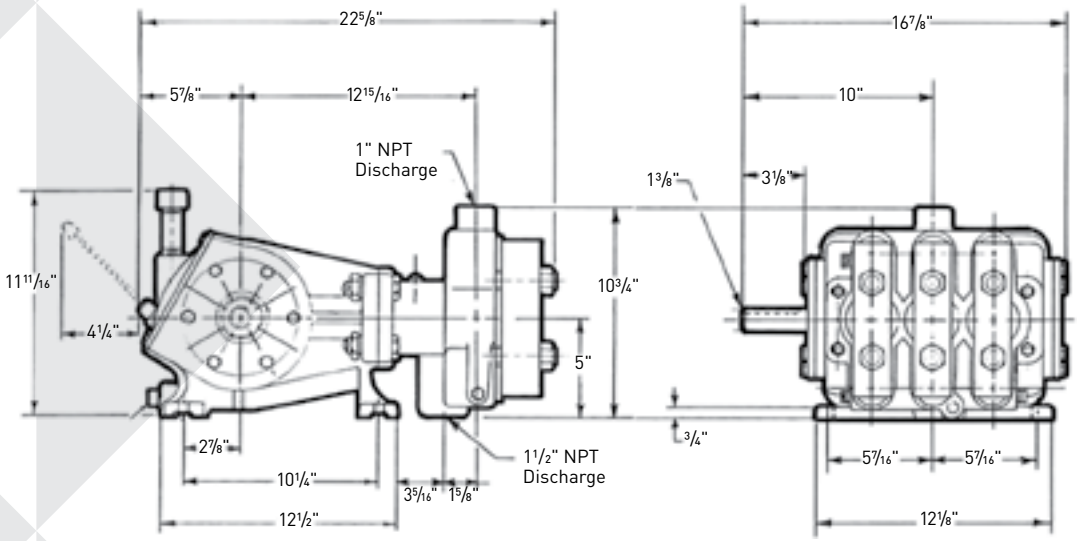
VALVE ASSEMBLIES
Spring-loaded valves, hardened seats.

PACKING
Nitrile with cotton fabric. Multi-lip V-ring supported by phenolic follower.

CROSSHEADS
Heavy-duty ductile iron. "Pony" rods are axially threaded and pinned, polished stainless steel.

CONNECTING LINKS
Cast ductile iron with replaceable bronze bearings.

DIMENSIONS



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