INTERMITTENT DUTY ONLY

NO. OF PISTONS	
MAXIMUM RATED SPEED	
STROKE LENGTH	
MAXIMUM RATED POWER	
MAXIMUM ROD LOAD	
WEIGHT	

SC-35 ENGLISH UNITS

SC-35 METRIC UNITS

DIMENSIONAL DATA

ENGINEERING DATA

POWER END ENGINEERING DATA

Max. Input Power @ Speed	50 HP @ 625 rpm
Rated Rod Load	4,800 lb.
Minimum Speed	100 rpm
Oil Capacity	2 U.S. qrts
Power End Oiling System	Splash
Power Frame, One-Piece	Cast Iron
Crosshead, Full Cylindrical	Ductile Iron
Crosshead, Dia. x Length	2 1/2 x 2 1/2 in.
Crankshaft	Alloy Steel
Crankshaft Diameters:	
At Tapered Roller Bearings	1.752 in.
At Crankpin Bearings, Dia. x Length	2.373 x 1.945 in.
Crosshead (Wrist) Pin, Case-Hardened and Ground	AISI 1018
Main Bearings	Tapered Roller
Crankpin Bearings, Precision Automotive	Babbitt-Lined
Piston Rod Integral w/ Crosshead	303 S.ST.
Connecting Rod, Automotive Type	Ductile Iron
Average Crosshead Speed @ 600 rpm	200 fpm
Minimum Life Expectancy, Main Bearings, L_{10}	10,000+ hr.

LIQUID END ENGINEERING DATA

Max. Working Pressure	2,700 psi
Liquid End Materials, A.S.T.M.	
Ductile Iron	A536 80-55-06
Piston Type	HNBR & Synthetic Fabric
Cylinder Liner, Field-Removable and Replaceable	Ceramic Coated 416 S.ST.
Valve Cover and Cyl. Head Plugs	Carbon Steel
Retainer Plates	Carbon Steel
Seals, Stu f ng Boxes, Valve Covers	Nitrile
Valve Type, Abrasion Resistant	I7-4PH S.ST.
Valve Spring Material	316 S.ST.
Valve Seat, Liquid Passage Area	.685 sq.in.
Avg. Liquid Velocity, with 2" Pistons @ 600 rpm	
thru Valves	15.3 fps
thru Suction Manifold	4.0 fps
thru Discharge Manifold	8.8 fps