

C Series - SPECIFICATIONS

SPECIFICATIONS	C-46	C-66	C-96	C-106
ENGINE DATA				
Valve Arrangement	In Hd	In Hd	In Hd	In Hd
Max. Permissible Speed				
RPM	800	700	600	800
Max. Rating for Pumping HP	9	13	19	32
Kilowatt	6.7	9.7	14.2	23.9
PIPE SIZE - Up To 20'				
(6.096m) Long inches	1 1/2	2	2 1/2	2 1/2
Millimeters	38.1	50.8	63.5	63.5
PIPE SIZE - (6.096m) To (9.144m) Long				
Inches	2	2 1/2	3	3
Millimeters	50.8	63.5	76.2	76.2
VALVE TIMING				
Intake Opens: ATDC - DEG	7	7	8	8
Intake Closes: ABDC - DEG	26	26	28	40
Exhaust Opens: BBDC - DEG	23	23	40	40
Exhaust Closes: ATDC - DEG	15	15	8	8
WRENCH TORQUES				
Cylinder Head Stud. ft-lbs	175	175	243	243
Newton Meters	273	273	330	330
CONNECTING ROD BOLTS				
Ft-lbs	92	92	175	175
Newton Meters	125	125	237	237
EXHAUST SYSTEM				
Flange N.P.T - inches	1-1/2	2	2-1/2	2-1/2
Millimeters	38.1	50.8	63.5	63.5
CLUTCH				
Clutch Shaft Diameter	1.437 1.436	2.250 2.249	2.250 2.249	2.250 2.249
Millimeters	36.5	57.1	57.1	57.1
SHIPPING WEIGHT				
Pounds	1,433	1,811	2,790	2,975
Kilograms	650	821	1,266	1,349
CAPACITIES				
Water - Quarts	12	16	20	20
Liters	11.4	15.1	18.9	18.9
OIL				
Quarts	7+	7+	11+	11+
Liters	6.6	6.6	10.4	10.4

Oil Viscosity **Expected Air Temperature**
 SAE 30W or 10W40...Above 30° F (-1° C)
 SAE 20W or 10W30,,,10° F (-23° C) to 30° F (-1° C)
 SAE 5W20.....Below -10° F (23° C)

***NOTE** All engine models: When furnished with an outside oil filter, add one quart of oil to the amount shown above for the total capacity.

*Oil capacity prior to Serial No. 201387 is 9 quarts (8.51L). When ARROW Crankcase 1-96 is used for replacement on engines prior to serial No. 201387, change the oil capacity on the instructions plate from 9 quarts (8.51L) to 11 quarts (10.4L).