



ENGINE SPECIFICATIONS

ENGINE MODELS	SD-220	SD-240	BD-269	RD-372	RD-406	RD-450	CONT. R-6602
Number of cylinders	6	6	6	6	6	6	6
Bore	3-9/16"	3-9/16"	3-9/16"	4-3/8"	4-3/8"	4-3/8"	4-7/8"
Stroke	3-11/16"	4-1/64"	4-1/2"	4-1/8"	4-1/2"	5"	5-3/8"
Displacement (cu. in.)	220.50	240.30	269.10	372.06	405.89	450.99	602.00
Rated h.p. (A.M.A.)	30.4	30.4	30.4	45.9	45.9	45.9	
Brake h.p. (maximum)	100.0	108	100.5	143.8	154.2	162.2	
At r.p.m.	3600	3600	3000	3200	3200	3000	
Brake h.p. (net)	90	93	88.6	128	138	146	
At r.p.m.	3600	3400	2800	2850	2750	2600	
Torque maximum (lbs.ft.)	173.5	191.9	222.0	282.5	319.0	358.5	
At r.p.m.	2000	1400	1600	1600	1200	1200	
Torque net (lbs. ft.)	167	186	216.5	280.0	313.5	354.0	
At r.p.m.	1200	1100	1000	1000	1000	1000	
Maximum recommended speed r.p.m.	3600	3400	3000	2850	2750	2600	
Governed speed r.p.m.	6.5	6.5	6.3	6.3	6.3	6.2	
Compression ratio	153624	153624	153624	153624	153624	153624	153624
Firing order	7	7	7	9	9	9	16
Crankcase refill capacity (qts.)	607	607	781	937	942	948	1638
Weight, bare (lbs.)	673	673	874	1047	1076	1082	1863
Weight, with standard accessories (lbs.)							
CRANKSHAFT:							
Main journal diameter.	2.748"- 2.749"	2.748"- 2.749"	2.7005"- 2.7015"	3.2495"- 3.2505"	3.2495"- 3.2505"	3.2495"- 3.2505"	3.249"- 3.250"
Crankpin diameter	2.373"- 2.374"	2.373"- 2.374"	2.122"- 2.123"	2.751"- 2.752"	2.751"- 2.752"	2.751"- 2.752"	2.999"- 3.000"
Bearing clearance0010"- .0040"	.0010"- .0040"	.0013"- .0043"	.0013"- .0043"	.0013"- .0043"	.0013"- .0043"	.0022"- .0046"
Crankshaft end play005"- rear interm. through	.005"- rear interm. through	.0055"- rear through	.004"- rear tocco	.004"- rear tocco	.004"- rear tocco	.006"- front tocco
Thrust taken by	75-85	75-85	100-110	100-110	100-110	100-110	105-115
Hardening method.							
Main bearing bolt ten- sion (ft. lbs.)	2.109"- 2.110"- 2.089"- 2.090"	2.109"- 2.110"- 2.089"- 2.090"	1.811"- 1.812"- 1.577"- 1.578"	2.109"- 2.110"- 2.089"- 2.090"	2.109"- 2.110"- 2.089"- 2.090"	2.109"- 2.110"- 2.089"- 2.090"	2.1220"- 2.1225"- 2.1220"- 2.1225"
CAMSHAFT:							
Camshaft journal dia- meter							
Front							
Second							