

Diesel Engine - High Speed, Water-Cooled 3 to 18 HP

TECHNICAL DATA (STANDARD ENGINES)											
Sr. No.	Model No.	Type & Mark	Rated Output HP(kW)	Rated Speed (RPM)	No. Of Cyl.	Bore x Stroke(mm)	Cubic Cap. (cc) per Cyl.	Specific Fuel Consumption At Full Load (SFC)		Weight	
								g/ kWh	g/ bhph	Nett (kgs)	Gross (kgs)
1	51A	TRB, POP, CIG, SGC, GCB, ISI	5(3.7)	1500	1	80 x 110	553	235	173	150	215
2	61A	BB, POP, CIG, SGC, GCB	5(3.7)	1500	1	80 x 110	553	235	173	150	215
3	52A	TRB, POP, CIG, SGC, GCB, ISI	6.5(4.8)	1500	1	85 x 110	624	251	185	150	215
4	62A	BB, POP, CIG, SGC, GCB	6.5(4.8)	1500	1	85 x 110	624	251	185	150	215
5	69A	TRB, POP, CIG, SGC, GCB, ISI	7.5(5.5)	1500	1	87.5 x 110	661	251	185	150	215
6	70A	BB, POP, CIG, BGC, GCB	7.5(5.5)	1500	1	87.5 x 110	661	251	185	170	235
7	48A	TRB, POP, CIG, BGC, GCB	7.5(5.5)	1500	1	87.5 x 110	661	251	185	170	235
8	69A1	TRB, POP, CIG, SGC, GCB, ISI	8(5.9)	1600	1	87.5 x 110	661	251	185	150	215
9	69ASD	TRB, POP, HFW, CIG, SGC, GCB, SDM	8(5.9)	1800	1	87.5 x 110	661	251	185	165	230
10	70ASD	BB, GOP, HFW, CIG, SGC, GCB, SDM	8(5.9)	1800	1	87.5 x 110	661	251	185	185	250
11	53A	TRB, POP, CIG, SGC, GCB, ISI	8(5.9)	1500	1	95 x 110	780	251	185	170	235
12	63A	BB, POP, CIG, BGC, GCB	8(5.9)	1500	1	95 x 110	780	251	185	185	250
13	49A	TRB, POP, CIG, BGC, GCB	8(5.9)	1500	1	95 x 110	780	251	185	185	250
14	54A	TRB, POP, CIG, SGC, GCB, ISI	10(7.35)	1500	1	102 x 110	898	251	185	170	235
15	64A	BB, POP, CIG, BGC, GCB, ISI	10(7.35)	1500	1	102 x 110	898	251	185	185	250
16	50A	TRB, POP, CIG, BGC, GCB	10(7.35)	1500	1	102 x 110	898	251	185	185	250
17	83A	TRB, GOP, HFW, CIG, BGC, OFFPG, GCA, SDM	10(7.35)	1500	1	102 x 116	947	251	185	200	265
18	71A	TRB, POP, CIG, SGC, GCB	12.5(9.2)	1500	1	114.3 x 110	1128	251	185	175	240
19	71A1	TRB, POP, CIG, BGC, GCB	10(7.35)	1440	1	114.3 x 110	1128	251	185	175	240
20	84A	TRB, GOP, HFW, CIG, BGC, OFFPG, GCA, SDM	12.5(9.2)	1500	1	114.3 x 116	1190	251	185	205	270
21	84A1	TRB, GOP, HFW, CIG, BGC, OFFPG, GCA, SDM, ISI	10(7.35)	1440	1	114.3 x 116	1190	251	185	205	270
22	84A2	TRB, GOP, HFW, CIG, BGC, OFFPG, GCA, SDM	15(11.0)	1800	1	114.3 x 116	1190	251	185	205	270
23	89A	TRB, GOP, HFW, CIG, BGC, OFFPG, GCA, SDM	15(11.0)	1500	1	120 x 125	1413	251	185	210	275
24	89A1	TRB, GOP, HFW, CIG, BGC, OFFPG, GCA, SDM	10(7.35)	1440	1	120 x 125	1413	251	185	210	275
25	89A3	TRB, GOP, HFW, CIG, BGC, OFFPG, GCA, SDM	18(13.2)	1800	1	120 x 125	1413	251	185	210	275
Mini Petter Type, High Speed, Water - Cooled, Light Weight Diesel Engines											
26	90A	TRB, POP, CIG, SGC, GCB, ISI	3(2.2)	1500	1	76 x 76	345	251	187.5	275	365
27	91A	TRB, POP, CIG, SGC, GCB, ISI	3.5(2.6)	1500	1	76 x 76	345	251	187.5	280	370

28	92A	TRB, POP, CIG, SGC, GCB, ISI	4.5(3.3)	2050	1	76 x 76	345	251	197	310	400
29	93A	TRB, POP, CIG, SGC, GCB, ISI	5(3.7)	2150	1	76 x 76	345	251	177	305	395
Mini Petter Type, High Speed, Water - Cooled, Light Weight Diesel Engines											
30	50M	TRB, POP, CIG, SGC, GCB	5(3.7)	1500	1	87.5 x 95	571	251	185	115	170
31	65M	TRB, POP, CIG, SGC, GCB	6.5(4.8)	1600	1	87.5 x 95	571	251	185	115	170
32	75MA	TRB, POP, CIG, SGC, GCB	7.5(5.5)	1800	1	87.5 x 95	571	251	185	115	170
33	80MA	TRB, POP, CIG, SGC, GCB	8(5.9)	1800	1	87.5 x 95	571	251	185	115	170
34	75M	TRB, POP, CIG, SGC, GCB	7.5(5.5)	1500	1	95 x 95	673	251	185	120	175
35	80M	TRB, POP, CIG, SGC, GCB	8(5.9)	1600	1	95 x 95	673	251	185	120	175
36	85M	TRB, POP, CIG, SGC, GCB	9(6.6)	1800	1	95 x 95	673	251	185	120	175

Note : All Above Models Are Direct Injection (DI) with Aluminium Piston (AP) & Crankshaft Balance Weight (CBW)

- TRB = Taper Roller Bearing
- POP = Plunger Oil Pump
- LOP = Lubricating Oil Pump
- CIG = Cast Iron Cam Gear & Idler Gear
- SGC = Small Gear Cover (Sheet Metal)
- GCA = Governing Class A₂
- HFW = Heavy Flywheel
- CIP = Cast Iron Piston
- OFPG = Outside Full Flow Oil Filter With Oil Pressure Gauge
- BB = Bush Bearing
- GOP = Gear Oil Pump
- SG = Steel Cam Gear & Idler Gear
- BGC = Big Gear Cover (Cast Iron)
- GCB = Governing Class B₁
- SDM = Super Deluxe Model
- ES = Self/Electric Start Arrangement With Solenoid Switch & Alternator Type Battery Charger