

TECHNICAL DATA FOR SLOW SPEED WATER COOLED DIESEL ENGINE											
Rated Power	HP / KW	64.4	8 / 5.9	10 / 7.35	12 / 8.83	10 / 7.35	14 / 10.3	16 / 11.8	20 / 14.70	10 / 7.35	12 / 8.83
Rated Speed	Rev / Min	650	850	1000	1000	1000	1000	1000	1000	1000	1000
No. of Cylinder / Bore	mm	1 / 114.3	1 / 114.3	1 / 120	1 / 127	1 / 120DI	1 / 130DI	1 / 130DI	1 / 130DI	1 / 130DI	1 / 127DI
Stroke	mm	139.7	139.7	139.7	139.7	139.7	146	160	160	130	130
Cubic Capacity	Cm / Cms	1432	1432	1580	1768	1580	1937	2123	2123	1470	1646
SFC	GMS / KW / HR	265	268	268	268	260	250	250	250	250	250
Compression Ratio		01:17.5	01:17.5	01:17.5	01:17.5	01:17.5	01:17.5	01:17.5	01:17.5	01:17.5	01:17.5
Foundation Bolt Spacing	mm	330 x 330	330 x 330	330 x 330	330 x 330	330 x 330	330 x 330	330 x 330	330 x 330	304.8 x 212.7	304.8 x 212.7
Crank Centre Height	mm	317.5	317.5	317.5	387.5	317.5	317.5	317.5	317.5	248	248
Engine Bare Weight	Kg.	320	330	350	400	350	380	400	400	285	285
Engine Gross Weight	Kg.	410	420	440	500	440	480	500	500	355	355
Packing Size	Cm	97x71x115	97x71x115	97x64x115	97x74x45	97x71x115	97x71x115	97x71x115	97x71x115	85x64x107	85x64x107

TECHNICAL DATA FOR HIGH SPEED WATER COOLED DIESEL ENGINE												
Rated Power	HP / KW	3.5 / 2.59	5 / 3.7	5 / 3.7	6.5 / 4.8	8 / 5.9	8 / 5.9	10 / 7.35	12.5 / 9.2	16 / 11.8	20 / 14.7	25 / 18.14
Rated Speed	Rev / Min	1500	1500	1500	1500	1600	1500	1500	1500	1500	1500	1500
No. of Cylinder / Bore	mm	76 / 1	85 / 1	80 / 1	85 / 1	87.5 / 1	95 / 1	102 / 1	114.3 / 1	95 / 2	102 / 2	114.3 / 2
Stroke	mm	76	80	110	110	110	110	116	116	110	110	110
Cubic Capacity	Cm / Cms	345	454	553	625	660	780	948	1190	1560	1800	2256
SFC	GMS / KW / HR	184 / 250	184 / 250	184 / 250	184 / 250	184 / 250	184 / 250	184 / 250	184 / 250	184 / 250	184 / 250	184 / 250
Lub. Oil Consumption	G / H	5	5	5	5	5	5	10	20	20	20	20
Compression Ratio		00:16	00:16	1:16	1:16	1:16	1:16	1:16	1:16	1:16	1:16	1:16
Injector pressure	Kg / Cms	180 to 210	180 to 210	180 to 210	180 to 210	180 to 210	180 to 210	180 to 210	180 to 210	180 to 210	180 to 210	180 to 210
Foundation Bolt Spacing	mm	225 x 120	225 x 120	139.7 x 292	139.7 x 292	139.7 x 292	139.7 x 292	139.7 x 292	139.7 x 292	257 x 295	257 x 295	257 x 295
Crank Centre Height	mm	150	150	203	203	203	203	203	203	203	203	203
Engine Bare Weight	Kg.	85	85	160	160	180	180	180	180	285	285	300
Engine Gross Weight	Kg.	150	150	225	225	245	245	245	245	365	380	390
Packing Size	Cm	67x54x88	67x54x88	67.3x60.9x88.9	67.3x60.9x88.9	67.3x60.9x88.9	67.3x60.9x88.9	67.3x60.9x88.9	67.3x60.9x88.9	89.0x59.0x89.0	89.0x59.0x89.0	89.0x59.0x89.0

As the design and manufacture of "doctor" pumps are subject to constant development, the product supplied may differ in some details of the specification given.

Application

- Agriculture irrigation, Threshers, Flour mill, Corn mill, Saw mill, Crusher etc.
- Air compressor, Concrete mixer & other various industrial uses.

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