

High Speed Water Cooled Diesel Engine



ENGINE MODEL NO.	KOPW1	KOPW2	KOPW3	KOPW4	KOPW5	KOPW6	KOPW7	KOPW8	KOPW9	KOPW10	KOPW11	KOPW12	KOPW13	KOPW14		
B.H.P.	3.5	4.5	5	6.5	7.5	8	8	10	10	12.5	15	16	20	25		
KW	2.6	3.3	3.7	4.8	5.5	5.9	5.9	7.35	7.35	9.2	11	11.8	14.7	18.4		
TYPE OF BEARING	TRB	TRB	BUSH/TRB	BUSH/TRB	TRB	BUSH	BUSH/TRB	BUSH/TRB	TRB/BUSH	BUSH	BUSH	BUSH	BUSH	BUSH		
NO OF CYLINDER	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	SINGLE	TWIN	TWIN	TWIN	TWIN	TWIN		
SPEED RPM	1500	2050	1500	1500	1500	1800	1500	1800	1500	1500	1500	1500	1500	1500		
BORE mm	76	76	90	85	87.5	87.5	95	95	102	114.3	87.5	95	102	114.3		
STROKE mm	76	76	110	110	110	110	0.0416666666666667	110	110/116	116	110	110	116	116		
CUBIC CAPACITY cc	345	345	553	624	661	661	780	780	947	1190	1322	1560	1884	2380		
FUEL CONSUMPTION (HSD) (g/kwh)	250	275	239/240	240/245	250	250	250/250	250	246/250	250	250	250	250	250		
LUB. OIL CON % OF SFC (SAE 30/40 OIL)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		
MECHANICAL CLEARANCE mm				1.0 to 1.4						1.2 1.0 1.6						
COMPRESSION RATIO	01:16:00	01:16:00	01:16:00	01:16:00	01:16:00	01:16:00	01:16:00	01:16:00	01:16:00	01:16:00	01:16:00	01:16:00	01:16:00	01:16:00		
INJECTION PRESSURE Kgf/cm ²	180	180	185	190	200	200	200	200	200	205	200	200	205	205		
FOUNDATION BOLT SPACING mm			120 x 225						139.7 x 292.1				295 x 295			
CRANK SHAFT CENTRE HEIGHT mm	155	155	203	203	203	203	203	203	203	203	203	203	203	203		
ENGINE BARE WEIGHT Kg	85	85	150	150	160	160	175/165	175/165	185	195	205	205	285	285		
ENGINE PACKED IN CASE WEIGHT Kg	125	125	225	225	235	235	250/275	250/275	260	275	365	365	385	385		
PACKING CASE SIZE IN mm	510x620x700		600x600x660			660x660x660			660x660x660		900 x 720 x 920			920 x 750 x 920		
PACKING CASE VOLUME m ³	0.23		0.35			0.39			0.39			0.6			0.64	