

PERKINS standard design manual-60HZ

Unit type	COP		PRP		STP		Engine brand	Engine model	Engine power (standby)	Cylinder configuration	displacement	Bore×Trip	Compression ratio	Inspiration type	Coolant capacity	Lubricant consumption	Oil capacity	Exhaust system parameters				Intake and exhaust system parameters			Open unit size (radiator included)														
	(KW)	(KVA)	(KW)	(KVA)	(KW)	(KVA)												Cylinder number/arrangement	(L)	(mm)	Inspirat	(L)	(g/KWh)	(L)	exhausting pipe diameter	displacement volume	Maximum exhaust back pressure	exhaust temperature	Engine air volume	Minimum inlet area	Minimum exhaust area	size			weight	size			weight
																																L (mm)	W (mm)	H (mm)		L (mm)	W (mm)	H (mm)	
BW-P12-60 (PWP12-60)	6	8	9	11	10	12	Perkins	403D-11G	11	3-cylinder L-type	1.1	77×81	23.0:1	inhale naturally	5	≤4.0	5	65	40	10	515	15	0.4	0.3	1250	500	1100	350	1650	840	1450	530							
BW-P17-60 (PWP17-60)	9	11	13	16	14	17	Perkins	403D-15G	16	3-cylinder L-type	1.5	84×90	22.5:1	inhale naturally	6	≤4.0	6	42	56	10	505	21	0.4	0.3	1250	500	1100	360	1650	840	1450	540							
BW-P26-60 (PWP26-60)	13	17	19	24	21	26	Perkins	404D-22G	24	4-cylinder L-type	2.2	84×100	23.3:1	inhale naturally	7	≤4.0	11	42	79	10	510	29	0.4	0.3	1250	500	1100	440	1850	840	1450	640							
BW-P35-60 (PWP35-60)	20	25	26	33	28	35	Perkins	404D-22TAG	36	4-cylinder L-type	2.2	84×100	23.3:1	Turbocharged	7	≤4.0	11	42	140	10	478	42	0.5	0.4	1450	650	1250	450	1850	840	1450	650							
BW-P42-60 (PWP42-60)	30	37.5	43	54	47	59	Perkins	1103A-33TG1	54	3-cylinder L-type	3.3	105×127	17.25:1	Turbocharged	10	≤4.0	8	65	147	15	510	62	0.6	0.5	1730	800	1600	480	2200	1000	1800	850							
BW-P69-60 (PWP69-60)	35	44	50	63	55	69	Perkins	1104A-44TG1	76	4-cylinder L-type	4.4	105×127	17.25:1	Turbocharged	13	≤4.0	8	76	225	15	505	88	0.8	0.6	1855	900	1650	730	2450	1000	1800	1090							
BW-P83-60 (PWP83-60)	42	53	60	75	66	83	Perkins	1104A-44TG1	76	4-cylinder L-type	4.4	105×127	17.25:1	Turbocharged	13	≤4.0	8	76	225	15	505	88	0.8	0.6	1855	900	1650	780	2750	1100	1800	1180							
BW-P100-60 (PWP100-60)	50	62	72	90	80	100	Perkins	1104A-44TG2	90	4-cylinder L-type	4.4	105×127	17.25:1	Turbocharged	13	≤4.0	8	76	250	15	535	103	0.8	0.6	2185	990	1650	850	2750	1100	1800	1250							
BW-P125-60 (PWP125-60)	63	79	90	113	100	125	Perkins	1104C-44TAG2	112	4-cylinder L-type	4.4	105×127	18.2:1	Turbocharged	13	≤4.0	8	76	306	15	517	129	0.8	0.6	2185	990	1650	900	2750	1100	1800	1300							
BW-P142-60 (PWP142-60)	73	91	104	130	114	142	Perkins	1106A-70TG1	148	6-cylinder L-type	7.0	105×135	18.2:1	Turbocharged	21	≤4.0	17	89	495	6	526	198	1.0	0.8	2420	990	1650	1150	3300	1100	1900	1650							
BW-P165-60 (PWP165-60)	75	94	120	150	132	165	Perkins	1106A-70TG1	148	6-cylinder L-type	7.0	105×135	18.2:1	Turbocharged	21	≤4.0	17	89	495	6	526	198	1.0	0.8	2420	990	1650	1200	3300	1100	1900	1700							
BW-P185-60 (PWP185-60)	94	118	134	168	148	185	Perkins	1106A-70TAG2	164	6-cylinder L-type	7.0	105×135	18.2:1	Turbocharged	21	≤4.0	17	89	538	6	407	250	1.0	0.8	2485	990	1650	1250	3700	1200	2150	1750							
BW-P216-60 (PWP216-60)	100	125	160	200	173	216	Perkins	1106A-70TAG3	192	6-cylinder L-type	7.0	105×135	18.2:1	Turbocharged	21	≤4.0	17	89	639	6	485	273	1.0	0.8	2485	990	1650	1300	3700	1200	2150	1900							
BW-P275-60 (PWP275-60)	140	175	200	250	220	275	Perkins	1506A-E88TAG2	237	6-cylinder L-type	8.8	112×149	16.1:1	Turbocharged	30	≤3.0	41	133	702	10	444	310	1.0	0.8	2485	990	1650	1550	3700	1200	2150	2150							
BW-P440-60 (PWP440-60)	224	280	320	400	352	440	Perkins	2206C-E13TAG2	381	6-cylinder L-type	12.5	130×157	16.3:1	Turbocharged	51	≤5.0	40	133	1277	10	680	443	1.5	1.2	3100	1210	1960	3100	4350	1380	2250	3950							
BW-P560-60 (PWP560-60)	280	350	400	500	448	560	Perkins	2506C-E15TAG1	478	6-cylinder L-type	15.2	137×171	16.0:1	Turbocharged	58	≤5.0	62	165	1867	7	550	692	2.2	1.8	3450	1210	2030	3750	4750	1680	2400	4650							
BW-P625-60 (PWP625-60)	300	375	456	570	500	625	Perkins	2506C-E15TAG3	543	6-cylinder L-type	15.2	137×171	16.0:1	Turbocharged	58	≤5.0	60	165	1867	7	550	700	2.2	1.8	3450	1210	2030	3800	4750	1680	2400	4700							
BW-P688-60 (PWP688-60)	NA	NA	NA	NA	550	688	Perkins	2506C-E15TAG4	597	6-cylinder L-type	15.2	137×171	16.0:1	Turbocharged	58	≤5.0	60	165	2000	7	550	700	2.2	1.8	3450	1540	2130	3860	5150	2000	2600	4910							
BW-P750-60 (PWP750-60)	381	476	544	680	600	750	Perkins	2806A-E18TAG3	652	6-cylinder L-type	18.1	145×183	14.5:1	Turbocharged	61	≤5.0	62	219	2350	7	554	867	2.5	2.1	3450	1540	2130	4500	5150	2000	2600	5550							
BW-P825-60 (PWP825-60)	480	600	600	750	660	825	Perkins	4006-23TAG2A	702	6-cylinder L-type	22.9	160×190	13.6:1	Turbocharged	105	≤5.0	114	2×165	3167	6	430	1200	4.5	3.8	3965	1710	2200	5250	5900	2000	2600	6400							
BW-P928-60 (PWP928-60)	540	675	675	844	742	928	Perkins	4006-23TAG3A	795	6-cylinder L-type	22.9	160×190	13.6:1	Turbocharged	105	≤5.0	114	2×165	3483	6	500	1300	4.5	3.8	3965	1710	2200	5350	5900	2000	2600	6500							
BW-P1100-60 (PWP1100-60)	600	750	800	1000	880	1100	Perkins	4008TAG2A	924	8-cylinder L-type	30.6	160×190	13.6:1	Turbocharged	143	≤5.0	166	2×165	3412	8	505	1265	5.0	4.2	4650	2060	2300	7600	6058	2438	2591	11600							
BW-P1375-60 (PWP1375-60)	800	1000	1000	1250	1100	1375	Perkins	4012-46TWG2A	1155	12-cylinderV-type	45.8	160×190	13.0:1	Turbocharged	225	≤5.0	178	2×273	3967	5	435	1934	6.0	5.0	4800	2000	2700	9500	6058	2438	2896	14000							
BW-P1500-60 (PWP1500-60)	873	1091	1091	1364	1200	1500	Perkins	4012-46TWG3A	1263	6-cylinder L-type	45.8	160×190	13.0:1	Turbocharged	225	≤5.0	178	2×273	4167	5	478	1934	6.0	5.0	4800	2000	2700	9500	6058	2438	2896	14000							
BW-P1650-60 (PWP1650-60)	960	1200	1200	1500	1320	1650	Perkins	4012-46TAG2A	1399	12-cylinderV-type	45.8	160×190	13.0:1	Turbocharged	216	≤5.0	178	2×273	4784	6	403	2067	6.0	5.0	5050	2200	2600	11500	12192	2438	2896	17500							
BW-P1875-60 (PWP1875-60)	1094	1368	1368	1710	1500	1875	Perkins	4012-46TAG3A	1583	12-cylinderV-type	45.8	160×190	13.0:1	Turbocharged	207	≤5.0	178	2×273	5600	5	435	2417	6.0	5.0	5050	2200	2600	13000	12192	2438	2896	19000							

Notes: S stands for silent unit ; W stands for waterproof unit; T stands for trailer unit.

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