

A Complete Power Solution Individually Tailored By Experts



PPM MODEL

10 kVA to 2000 kVA Diesel Generating Set



CERTIFIED TO ISO 9001 : 2008
CERT NO : AR 4878



CERTIFIED TO ISO 14001 : 2004
CERT NO : ER 0636



CERTIFIED TO ISO 18001 : 2007
CERT NO : SR 0320

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Generator Model			PP0009M	PP0013M	PP0020M	PP0030M	PP0045M	PP0060M	PP0065M	PP0080M	PP0090M	PP0100M	PP0140M
Genset Rating	Prime	kVA	9	13.3	20.3	30	45	60	65	80	93	102.5	140.5
	Standby	kVA	10	14.5	22.7	33	49.6	66	71.5	88	103	112.5	155
Engine Model			403C-11G	403C-15G	404C-22G	1103A-33G	1103A-33TG1	1103A-33TG2	1104A-44TG1	1104A-44TG2	1006TG1A	1006TG2A	1006TAG
Engine Rating, Nett	Prime	kWm/bhp	8.4/11.4	12.0/16.1	18.4/24.6	27.7/37.1	41.3/55.4	53.8/72.1	58.4/78.3	71.9/96.4	83.0/111.5	91.0/122.0	125.0/167.5
	Standby	kWm/bhp	9.3/12.6	13.3/17.8	20.3/27.2	30.4/40.8	45.6/61.2	59.3/79.5	64.3/86.2	79.1/106.1	91.5/122.5	100.0/134.0	137.5/184.5
No. of Cylinder/Arrangement			3/In Line	3/In Line	4/In Line	3/In Line	3/In Line	3/In Line	4/In Line	4/In Line	6/In Line	6/In Line	6/In Line
Induction System			N.A	N.A	N.A	N.A	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged
Cooling System			Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled
Bore x Stroke		mm	77x81	84x90	84x100	105X127	105X127	105X127	105X127	105X127	100x127	100x127	100x127
Displacement	cc	Litres	1.13	1.49	2.2	3.3	3.3	3.3	4.4	4.4	5.99	5.99	5.99
Lubrication Capacity		Litres	4.9		10.6	7.9	7.9	7.9	8	8	16.1	16.1	19
Spec. Fuel Consumption	50%	l/hr	1.7	2.1	2.9	3.9	5.7	7.2	8	9.7	11.4	11.4	16.9
	75%	l/hr	2.3	2.8	4	5.4	8.2	10.4	11.2	14	16.5	16.5	25.2
	100%	l/hr	3	3.7	5.4	7.1	10.7	13.9	14.8	18.7	21.8	21.8	33.3
Dimension	Length	mm	776	820	915	1029	1049	1049	1241	1241	1559	1559	1685
	Width	mm	449	476	477	629	634	634	629	629	709	709	773
	Height	mm	700	791	840	951	951	951	951	951	1124	1124	1065
Dry Weight		kg	129.2	197	242	412	420	420	463	463	542	542	690
Alternator Model		Marelli	MJB160SA	MJB160SA	MJB160SB	MJB160MB	MJB200SB	MJB200MA	MJB200MB	MJB225SA	MJB225SB	MJB225MA	MJB225LA
Alternator Efficiency		%	85.6	85.6	87.4	88.3	88.7	90.1	90.5	91	91.5	91.8	92.2
Insulation		Class	H	H	H	H	H	H	H	H	H	H	H
Temperature Rise		Class	H	H	H	H	H	H	H	H	H	H	H
Dimension	Length	mm	547	547	547	592	615	710	710	645	645	790	845
	Width	mm	300	300	300	300	405	405	405	446	446	446	446
	Height	mm	417	417	417	417	523	523	523	637	637	637	637
Weight		kg	120	120	130	175	220	260	300	345	350	390	420
Genset Specification													
Overall Dimension													
Open Frame	Length	mm	1323	1367	1462	1621	1664	1759	1951	1886	2204	2475	2530
	Width	mm	479	476	477	629	634	634	629	629	709	773	773
	Height	mm	833	891	940	1051	1051	1051	1051	1051	1224	1165	1165
Canopy Type	Length	mm	2307	2367	2462	2621	2664	2759	2951	2886	3204	3475	3530
	Width	mm	879	876	877	1029	1034	1034	1029	1029	1109	1173	1173
	Height	mm	1633	1691	1740	1851	1851	1851	1851	1851	2024	1965	1965
Overall Weight													
Open Frame		kg	354	417	472	707	760	800	883	928	1042	1126	1156
Canopy Type		kg	654	717	772	1007	1060	1200	1283	1328	1442	1726	1756
Generator Model			PP0150M	PP0200M	PP0250M	PP0350M	PP0400M	PP0450M	PP0500M	PP0600M	PP0650M	PP0750M	PP0800M
Genset Rating	Prime	kVA	150	208	250	350	400	455	500	600	650	750	800
	Standby	kVA	166	229	275	400	450	500	550	660	700	825	900
Engine Model			1006TAG2	1306C-E87TAG3	1306C-E87TAG6	2206A-E13TAG2	2206A-E13TAG3	2506A-E15TAG1	2506A-E15TAG2	2806A-E18TAG1A	2806A-E18TAG2	4006-23TAG2A	4006-23TAG3A
Engine Rating, Nett	Prime	kWm/bhp	129.3/174.0	180/243	217/291	305/409	349/468	396/531	435/583	522/700	565/758	632/897	679/911
	Standby	kWm/bhp	143.0/193.0	199/267	239/320	349/469	392/526	434/582	478/641	574/770	609/817	695/932	760/1019
No. of Cylinder/Arrangement			6/In Line	6/In Line	6/In Line	6/In Line	6/In Line	6/In Line	6/In Line	6/In Line	6/In Line	6/In Line	8/In Line
Induction System			Turbocharged	TATAC	TATAC	TATAC	TATAC	TATAC	TATAC	TATAC	TATAC	TATAC	TATAC
Cooling System			Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled
Bore x Stroke		mm	100x127	116.6/135.9	116.6/135.9	130X157	130X157	137X171	137/171	145X183	145/183	160/190	160/190
Displacement	cc	Litres	5.99	8.7	8.7	12.5	12.5	15.2	18.1	18.1	22.9	22.9	
Lubrication Capacity		Litres	19	26.4	26.4	40	40	62	62	62	113.4	122.7	
Spec. Fuel Consumption	50%	l/hr	20	24	24	37	42	50	53	61	66	75	90
	75%	l/hr	31	35	36	54	62	72	76	90	97	113	130
	100%	l/hr	41	45.2	45	71	81	95	100	90	99	152	134
Dimension	Length	mm	1685	1822	1822	2410	2410	2657	2657	2545	2545	3027	3027
	Width	mm	773	875	875	1120	1120	1120	1120	1536	1536	1706	1706
	Height	mm	1065	1369	1369	1725	1725	1718	1718	1808	1807	1964	1964
Dry Weight		kg	690	895	895	1478	1478	1633	1633	2050	2050	2524	2524
Alternator Model		Marelli	MJB250MA	MJB250LA	MJB250LB	MJB315SB	MJB315MA	MJB355SA	MJB355SA	MJB355MQ	MJB355MA	MJB355MB	MJB355MB
Alternator Efficiency		%	92.9	93.2	93.4	93.4	93.6	94	94	94.7	94.7	95	95
Insulation		Class	H	H	H	H	H	H	H	H	H	H	H
Temperature Rise		Class	H	H	H	H	H	H	H	H	H	H	H
Dimension	Length	mm	858	998	998	945	1105	1136	1136	1366	1366	1366	1366
	Width	mm	505	505	505	600	600	670	670	670	670	670	670
	Height	mm	718	718	718	870	870	975	975	975	975	975	975
Weight		kg	530	660	710	920	1060	1250	1250	1800	1800	2050	2050
Genset Specification													
Overall Dimension													
Open Frame	Length	mm	2543	2820	2820	3355	3515	3793	3793	3911	3911	4393	4393
	Width	mm	773	875	875	1082	1082	1120	1120	1536	1536	1706	1706
	Height	mm	1165	1469	1469	2176	2176	1868	1868	1957	1957	2164	2164
Canopy Type	Length	mm	3543	3820	4020	4555	4715	4993	4993	5111	5111	5593	5593
	Width	mm	1173	1275	1475	1650	1650	1720	1720	2136	2136	2306	2306
	Height	mm	1965	2269	2469	2875	2875	2868	2868	2957	2957	3164	3164
Overall Weight													
Open Frame		kg	1370	1705	1755	3816	3956	3083	3083	4050	4050	4910	4910
Canopy Type		kg	1970	2305	2355	4616	4756	3833	3833	4800	4850	5710	5710

Sime Darby Industrial Power Sdn Bhd

Address ● No 11, Jalan Pemaju U1/15, Seksyen U1 Hicom Glenmarie Ind. Park, 40150 Shah Alam Selangor Darul Ehsan, Malaysia

Phone ● +603 5569 1168

Fax ● +603 5569 1200

Website ●

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Generator Model			PP0900M	PP1000M	PP1250M	PP1350M	PP1500M	PP1700M	PP1400M	PP1650M	PP1800M	PP2050M
Genset Rating	Prime	kVA	911	1022	1258	1364	1505	1710	1417	1688	1844	2058
	Standby	kVA	1002	1125	1385	1500	1656	1880	1560	1861	2028	2264
Engine Model			4008TAG1A	4008TAG2A	4012-46TWG2A	4012-46TWG3A	4012-46TAG2A	4012-46TAG3A	4016TWG	4016TWG2	4016TAG1A	4016TAG2A
Engine Rating, Nett	Prime	kWm/bhp	767/1029	861/1155	1044/1400	1149/1540	1267/1700	1440/1931	1182/1585	1406/1885	1537/2061	1715/2300
	Standby	kWm/bhp	844/1132	947/1270	1154/1547	1263/1694	1395/1870	1583/2123	1301/1745	1550/2079	1690/2266	1886/2529
No. of Cylinder/Arrangement			8/In Line	8/In Line	12/60° Vee Form	12/60° Vee Form	12/60° Vee Form	12/60° Vee Form	16/60° Vee Form	16/60° Vee Form	16/60° Vee Form	16/60° Vee Form
Induction System			TATAC	TATAC	TATAC	TATAC	TATAC	TATAC	TATAC	TATAC	TATAC	TATAC
Cooling System			Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled	Water-Cooled
Bore x Stroke		mm	160/190	160/190	160/190	160/190	160/190	160/190	160/190	160/190	160/190	160/190
Displacement	cc	Litres	30.5	30.5	45.85	45.85	45.85	45.85	61.1	61.1	61.1	61.1
Lubrication Capacity		Litres	165.6	165.6	177	177	177	177	237.2	237.2	237.2	237.2
Spec. Fuel Consumption	50%	l/hr	98	109	143	151	162	187	217	209	198	202
	75%	l/hr	143	163	196	213	237	275	208	207	198	203
	100%	l/hr	154	175	207	225	301	370	206	208	205	209
Dimension	Length	mm	3711	3711	3714	3714	3915	3915	4510	4510	4460	4460
	Width	mm	2046	2046	1978	1978	2198	2198	2444	2444	2775	2775
	Height	mm	2146	2146	2255	2255	2258	2258	6815	3149	3239	3239
Dry Weight		kg	4320	4320	5283	5283	4400	4400	6815	8240	8010	8010
Alternator Model	Marelli		MJB400MA	MJB400MB	MJB400LB	MJB450MB	MJB450MB	MJB450MB	MJB450MB	MJB450LB	MJB450LB	MJB450LB
Alternator Efficiency		%	95.2	95.3	95.8	95.9	95.9	95.9	95.9	95.8	95.8	96.1
Insulation		Class	H	H	H	H	H	H	H	H	H	H
Temperature Rise		Class	H	H	H	H	H	H	H	H	H	H
Dimension	Length	mm	1400	1400	1600	1517	1517	1517	1517	1777	1777	1777
	Width	mm	800	800	800	900	900	900	900	900	900	900
	Height	mm	1075	1075	1075	1190	1190	1190	1190	1190	1190	1190
Weight		kg	2250	2300	2800	3200	3200	3200	3200	4000	4000	4000
Genset Specification												
Overall Dimension												
Open Frame	Length	mm	5111	5111	5390	5461	5417	5417	3387	6287	6237	6180
	Width	mm	2046	2046	1870	2192	2245	2245	2444	2775	2245	2775
	Height	mm	2346	2346	2411	2959	2949	2949	7015	3349	2949	3439
Canopy Type	Length	mm	6311	6311	6590	6661	6617	6617	4587	7487	7437	7380
	Width	mm	2646	2646	2470	2792	2845	2845	3044	3375	2845	3375
	Height	mm	3346	3346	3411	3959	3949	3949	8015	4349	3949	4439
Overall Weight												
Open Frame		kg	6870	6920	8520	9250	9400	9400	10415	12640	11300	12410
Canopy Type		kg	8120	8170	9770	10750	10900	10900	11915	14140	12000	13110

N.A = Naturally Aspirated

TATAC = Turbocharged and Air to Air Charge Cooled

General Description

- Rating :All ratings at NTP conditions, 3 Phase, 415V, 50 Hz in accordance with IEC 60034-1, ISO 3064, ISO 8258-8, BS 5514, DIN 6271 subject to the appropriate duration for site conditions.
- Alternator :Revolving field single bearing brush less type complying with BS 4999 part 99, IEC 60034-1, BS 4999-5000, VDE 0530, Screen Protected and Drip Proof Enclosure, Class H insulation
- Radiator :Set mounted tropical radiator suitable for ambient temperature up to 50°C. Pressurized cooling system with driven water circulating pump, thermostat and pusher type cooling fan.
- Factory Test :Full load condition with 0.8 Power Factor comes with Test Certificates
- Control Panel :Control panel comprising of Oil Pressure Gauge, Water Temperature Gauge, Battery Charge Ammeter, Key Switch, Hour Meter and Protection Relay

Optional Items

- Fuel Tank : Base Fuel Tank, Split Fuel Tank for a minimum 6 hours operation.
- Exhaust Silencer : Industrial Type, Residential Type
- Electrical Board : Auto Main Failure Panel, Synchronizing Load Sharing Panel
- Acoustic Canopy : Standard Type. Low Noise, Sound Proof
- Batteries : Battery rack with heavy duty lead acid battery with connecting leads

Rating Definitions

- Prime Power :Power available at variable load with a load factor not exceeding 80% of the prime power rating. Overload of 10% permitted for 1 hour in 12 hours operation
- Standby Power :Power available in the event of a main power network failure up to a maximum of 500 hours per year of which up to 300 hours may be run continuously. Load factor may be up to 100% of standby

*All information in this document is substantially correct at the time of printing and may be alter subsequently.

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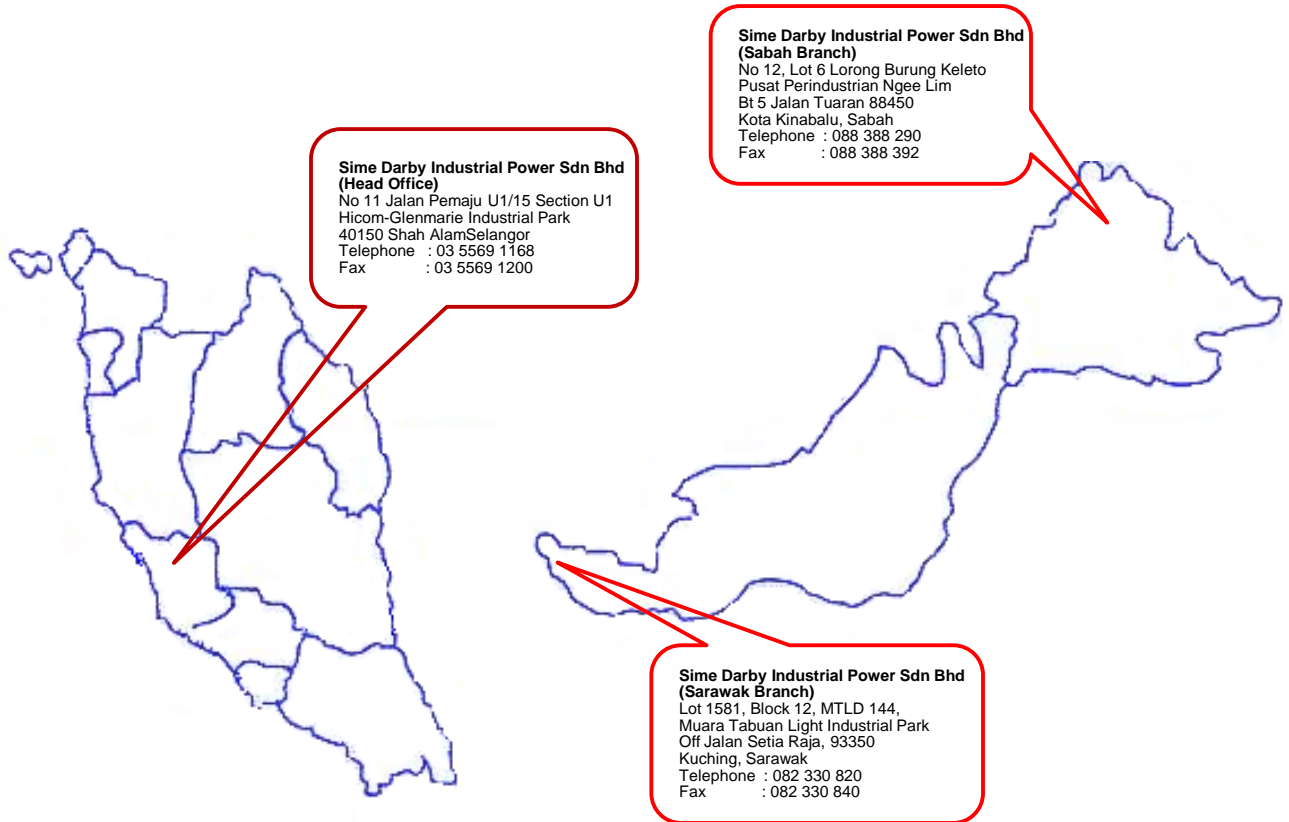
Address ● No 11, Jalan Pemaju U1/15, Seksyen U1 Hicom Glenmarie Ind. Park, 40150 Shah Alam Selangor Darul Ehsan, Malaysia

Phone ● +603 5569 1168

Fax ● +603 5569 1200

Website ●

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Our primary objective as a Perkins Distributor is to ensure that if you require a Perkins genuine part or your Perkins engine needs a service or repair, that it is completed quickly, efficiently and to the highest standard, first time

Our relationship with the customer goes way beyond simply selling an engine; we are here to offer a range of services throughout the lifetime of that engine

Our aim is to provide total customer support, which exceeds your needs and expectations

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....Have fully qualified, highly **skilled technicians** who have been trained by Perkins Headquarter

....Can supply **Genuine Perkins** parts that are manufactured from the highest grade materials and to factory specification.
This ensure your engines maintains optimum performance and a longer engine life.

....Have dedicated **workshops and mobile service vans**, equipped with all the required specialised tooling and software to carry out a professional diagnosis and effective repair first time

....Have the **specialised tooling** required to diagnose repair and maintain your Perkins engine

....Has the network coverage and **ability to quickly respond** to your needs. This ensures your Perkins powered machine suffers minimal downtime

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