

미래를 향한 힘찬 도약 -

파워맥스가 함께 합니다.

*The Creation of value for the customer,
that is the mission of **POWERMAX***

GENERATOR





파워맥스 디젤발전기의 특징

Characteristics of POWERMAX Diesel Generator

폭넓은 엔진선택

고객 선호도에 따라 세계유명브랜드의 다양한 제품을 공급하고 있습니다.

Diverse Engine Selection

POWERMAX provides diverse engines of globally renowned brands according to customer preference.
DOOSAN / HYUNDAI / CUMMINS / CATERPILLAR / MITSUBISHI / MTU / KOHLER etc.

30여년 경험의 높은 신뢰성

회전기기 개발 및 제조에 20여년의 풍부한 경험으로 파워맥스는 다양한 엔진기종에 적합한 발전기로 국내, 외 고객들로부터 그 우수성을 인정받고 있습니다.

High Reliability through 30 years experience

With 30 years of experience in development and production of rotary machines, POWERMAX is recognized by domestic and foreign customers for its excellent generator suitable for various use.

- 견고한 구조와 내구성
- 완벽한 보호장치
- 신속한 유지보수 체계의 품질보증
- Strong structure and durability
- Perfect protective device
- Outstanding Maintenance Services to conform to Quality Management Program

설계에서 시운전까지

파워맥스는 비상 전원용 뿐만 아니라 상용전원용으로도 전력이 필요한 모든 곳에 설계에서 제조, 설치, 시운전까지 모든 공정에 고도의 기술력으로 전원을 공급하고 있으며, 언제 어디서나 책임감 있고 신뢰받는 기업으로 더욱 성장해 나갈 것입니다.

From Design to Test Run

POWERMAX provides full-service from design to production, installation, and test not only in emergency use but also in prime use through advanced technology.

Sound Proof

- 소음 : 75dB(A) 이하 (7m 이격거리) Attenuation : 75dB(A) at 7m
- 방음구조 Sound-Proof Type
- 주택가, 양어장, 병원, 은행, 주유소 등
- Noise : below 75dB(A) Attenuation : 75dB(A) at 7m
- Sound-Proof Type
- Residential area, Fish farm, Hospital, Bank, Gas station, etc.



견고한 구조, 강력한 내구성

원동기의 진동 및 소음을 최소화한 파워맥스 발전기는 마모성 및 윤활유 소모가 거의 없어 내구성이 뛰어나고, 시스템의 이상 발생시 자가점검 대처기능으로 최고의 안전성을 보장하며, 철저한 품질경영으로 고객의 만족을 더해주고 있습니다.

Strong structure, Long durability

The minimized vibration and noise pollution of the POWERMAX alternator has no attrition, nor lubricant oil consumption and leads to outstanding durability. Any abnormal operation can possibly be detected by diagnostics system with its protective function and ensure its high safety standard operation. Further efforts for customer satisfaction through intensified quality management program, are being stepped up.

ALTERNATOR

견고한 구조의 강력한 내구성 보유
대량생산 라인에서 안정된 제품생산
초정밀구조의 내부 설계
완벽한 보호장치
고신뢰성 전압안정도 및 파형왜울

Possesses strong durability of solid structure
Product manufacture stabilized in mass production line
Interior design of superfine structure
Complete protective device
Highly reliable voltage safety and distortion

APPLICATIONS

육상용 발전기 (10~3200kW)
선박용 발전기
중저속 발전기
가스터빈 발전기
도서지방 내연발전소
열병합 발전설비
산업용 상용 발전설비

Industrial Generator
Marine Generator
Low & Medium Speed Generator
Gas Turbine Generator
The internal combustion power plant for the islands
Co-Generation System
Continuous Generator for Industrial Use



CERTIFICATION



GENERATOR SET DOOSAN ENGINE

(60Hz / 1800rpm)



MODEL	ST'BY (KW)	PRIME (KW)	Dimension LxWxH(mm)	Weight (Kg)	Radiator Size	Exhaust Pipe Size	Engine Model
PDS-60	60	55	2290 x 850 x 1380	1300	710 x 635	4"	DB58
PDS-90	90	82	2500 x 850 x 1450	1600	710 x 635	4"	D1146
PDS-130	130	118	2500 x 850 x 1450	1800	710 x 635	4"	D1146T
PDS-175	175	159	2785 x 920 x 1530	2000	800 x 816	4"	DE12T
PDS-200	200	182	2730 x 950 x 1735	2100	800 x 940	4"	P086TI
PDS-250	250	227	3000 x 1100 x 1685	2400	935 x 1010	5"	P126TI-3
PDS-275	275	250	3000 x 1100 x 1685	2400	935 x 1010	5"	P126TI
PDS-300	300	273	3000 x 1100 x 1685	2500	935 x 1010	5"	P126TI-II
PDS-330	330	300	2990 x 1400 x 1870	2500	1150 x 1230	6"	P158LE-2
PDS-360	360	327	2990 x 1400 x 1870	2700	1150 x 1230	6"	P158LE-1
PDS-400	400	364	2990 x 1400 x 1870	2700	1150 x 1230	6"	P158LE
PDS-450	450	409	2990 x 1400 x 1870	3100	1150 x 1230	6"	P158LE-III
PDS-500	500	455	3170 x 1400 x 1870	3200	1150 x 1230	6"	P180LE
PDS-550	550	500	3170 x 1400 x 1900	3900	1150 x 1230	6"	P180LE-II
PDS-610	610	555	3390 x 1400 x 1900	3900	1310 x 1230	6"	P222LE
PDS-660	660	600	3390 x 1400 x 2065	4000	1310 x 1430	6"	P222LE-II
PDS-750	750	682	3390 x 1620 x 2100	4400	1550 x 1430	8"	P222FE-II

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that is mission of **POWERMAX**

ST'BY PS	PRIME PS	No. of Cylinder	Displacement (Liter)	Governer	Fuel Consumption (Liter/hr)	Oil Capacity (Liter)	Coolant Capacity (Liter)
96	87	INLINE - 6	5.785	Machine	18.1	19.0	34.0
143	130	INLINE - 6	8.071	Machine	26.6	15.5	38.5
202	170	INLINE - 6	8.071	Machine	35.9	15.5	38.5
270	245	INLINE - 6	11.051	Machine	49.0	23.0	52.0
303	279	INLINE - 6	8.071	Electronic	56.8	15.5	48.5
375	343	INLINE - 6	11.051	Electronic	68.2	23.0	60.0
405	378	INLINE - 6	11.051	Electronic	76.5	23.0	60.0
465	418	INLINE - 6	11.051	Electronic	89.5	23.0	60.0
510	470	VEE - 8	14.618	Electronic	93.5	28.0	88.5
546	498	VEE - 8	14.618	Electronic	104.0	28.0	88.5
623	547	VEE - 8	14.618	Electronic	115.7	28.0	88.5
690	625	VEE - 8	14.618	Electronic	129.8	28.0	88.5
734	676	VEE - 10	18.273	Electronic	144.6	35.0	94.0
827	761	VEE - 10	18.273	Electronic	155.6	35.0	94.0
898	803	VEE - 12	21.927	Electronic	173.5	40.0	113.0
1000	912	VEE - 12	21.927	Electronic	192.1	40.0	125.0
1115	998	VEE - 12	21.927	Electronic	207.0	40.0	161.0

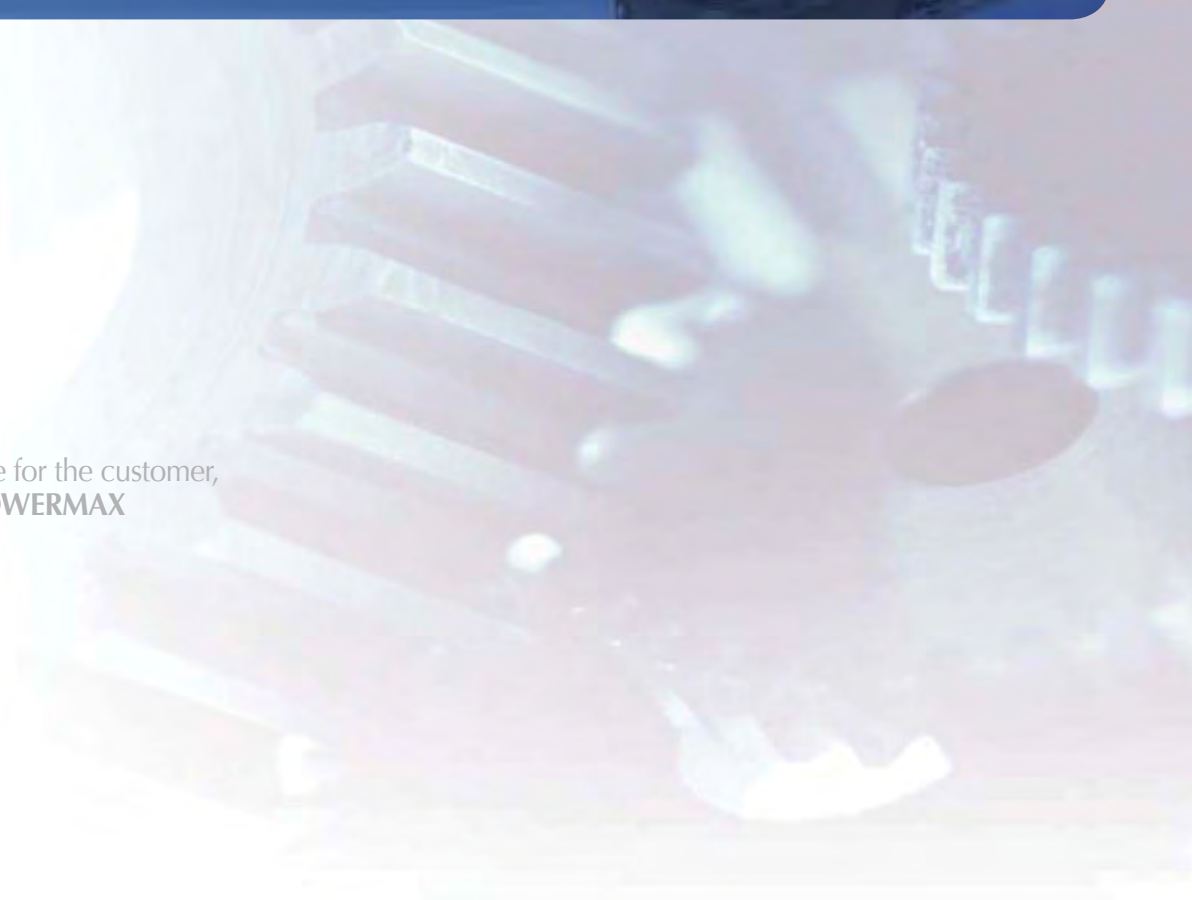
GENERATOR SET DOOSAN ENGINE (50Hz / 1500rpm)



MODEL	ST'BY (KW)	PRIME (KW)	Dimension LxWxH(mm)	Weight (Kg)	Radiator Size	Exhaust Pipe Size	Engine Model
PDS-60	50	45	2290 x 850 x 1380	1300	710 x 635	4"	DB58
PDS-90	75	68	2500 x 850 x 1450	1600	710 x 635	4"	D1146
PDS-130	100	91	2500 x 850 x 1450	1800	710 x 635	4"	D1146T
PDS-175	145	132	2730 x 950 x 1735	2100	800 x 940	4"	PO86TI-1
PDS-200	175	159	2730 x 950 x 1735	2100	800 x 940	4"	P086TI
PDS-275	245	223	3000 x 1100 x 1685	2400	935 x 1010	5"	P126TI
PDS-300	260	236	3000 x 1100 x 1685	2500	935 x 1010	5"	P126TI-II
PDS-330	290	264	2990 x 1400 x 1870	2500	1150 x 1230	6"	P158LE-2
PDS-360	320	291	2990 x 1400 x 1870	2700	1150 x 1230	6"	P158LE-1
PDS-400	375	341	2990 x 1400 x 1870	2700	1150 x 1230	6"	P158LE
PDS-450	395	359	2990 x 1400 x 1870	2700	1150 x 1230	6"	P158LE-S
PDS-500	450	409	3170 x 1400 x 1900	3900	1150 x 1230	6"	P180LE-S
PDS-610	530	482	3390 x 1400 x 1900	3900	1310 x 1230	6"	P222LE
PDS-630	545	495	3390 x 1400 x 2065	4000	1310 x 1430	6"	P222LE-S
PDS-660	570	518	3390 x 1400 x 2065	4000	1310 x 1430	6"	P222LE-II



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ST'BY PS	PRIME PS	No. of Cylinder	Displacement (Liter)	Governer	Fuel Consumption (Liter/hr)	Oil Capacity (Liter)	Coolant Capacity (Liter)
80	73	INLINE - 6	5.785	Machine	15.3	19.0	34.0
116	105	INLINE - 6	8.071	Machine	20.8	15.5	38.5
160	145	INLINE - 6	8.071	Machine	27.0	15.5	38.5
223	203	INLINE - 6	8.071	Electronic	43.6	15.5	48.5
270	240	INLINE - 6	8.071	Electronic	48.4	15.5	48.5
370	328	INLINE - 6	11.051	Electronic	66.2	23.0	60.0
400	360	INLINE - 6	11.051	Electronic	77.6	23.0	60.0
437	399	VEE - 8	14.618	Electronic	84.4	28.0	88.5
492	444	VEE - 8	14.618	Electronic	93.6	28.0	88.5
563	494	VEE - 8	14.618	Electronic	102.9	28.0	88.5
600	546	VEE - 8	14.618	Electronic	109.7	28.0	88.5
674	615	VEE - 10	18.273	Electronic	119.9	35.0	94.0
781	723	VEE - 12	21.927	Electronic	154.3	40.0	113.0
820	750	VEE - 12	21.927	Electronic	142.2	40.0	113.0
883	803	VEE - 12	21.927	Electronic	173.8	40.0	125.0

GENERATOR SET HYUNDAI ENGINE (60Hz / 1800rpm)

MODEL	ST'BY (KW)	PRIME (KW)	Dimension LxWxH(mm)	Weight (Kg)	Radiator Size	Exhaust Pipe Size	Engine Model
PHS-26	26	24	1500 x 600 x 1000	900	550 x 500	2-1/2"	D4BB-G2
PHS-40	40	36	1950 x 700 x 1310	1200	575 x 570	2-1/2"	D4AF-G
PHS-55	54	49	1950 x 700 x 1310	1200	575 x 570	2-1/2"	D4AK-G
PHS-70	70	63	1950 x 700 x 1310	1200	575 x 570	2-1/2"	D4DA-G
PHS-85	85	78	2440 x 800 x 1310	1400	665 x 650	2-1/2"	D6BR-G
PHS-115	115	107	2310 x 800 x 1520	1600	665 x 650	2-1/2"	D6BT-G
PHS-165	165	149	2500 x 880 x 1460	2000	750 x 766	2-1/2"	D6AZ-G2
PHS-200	200	184	2500 x 880 x 1460	2000	750 x 766	2-1/2"	D6AZ-G1
PHS-230	230	209	2600 x 1080 x 1430	2400	750 x 765	4"	D6AC-G
PHS-300	300	273	2920 x 1030 x 1580	2800	810 x 880	4"	D6CC-G2
PHS-350	350	318	2940 x 1030 x 1580	2800	810 x 880	4"	D6CC-G1

GENERATOR SET HYUNDAI ENGINE (50Hz / 1500rpm)

MODEL	ST'BY (KW)	PRIME (KW)	Dimension LxWxH(mm)	Weight (Kg)	Radiator Size	Exhaust Pipe Size	Engine Model
PHS-40	34	30	1950 x 700 x 1310	1200	575 x 570	2-1/2"	D4AF-G
PHS-55	40	36	1950 x 700 x 1310	1200	575 x 570	2-1/2"	D4AK-G
PHS-70	56	50	1950 x 700 x 1310	1200	575 x 570	2-1/2"	D4DA-G
PHS-85	73	66	2440 x 800 x 1310	1400	665 x 650	2-1/2"	D6BR-G
PHS-115	102	93	2310 x 800 x 1520	1600	665 x 650	2-1/2"	D6BT-G
PHS-165	179	161	2500 x 880 x 1460	2000	750 x 766	2-1/2"	D6AZ-G2
PHS-200	152	137	2500 x 880 x 1460	2000	750 x 766	2-1/2"	D6AZ-G1
PHS-230	211	197	2600 x 1080 x 1430	2400	750 x 765	4"	D6AC-G



ST'BY PS	PRIME PS	No. of Cylinder	Displacement (Liter)	Governer	Fuel Consumption (Liter/hr)	Oil Capacity (Liter)	Coolant Capacity (Liter)
45	41	INLINE - 4	2.607	Machine	10.3	5.4	3.9
60	54	INLINE - 4	3.568	Machine	12.0	8.5	8.3
82	74	INLINE - 4	3.298	Machine	15.6	8.5	8.3
107	95	INLINE - 4	3.907	Electronic	20.0	8.5	8.3
130	117	INLINE - 6	7.545	Machine	25.4	13.0	12.5
180	162	INLINE - 6	7.545	Machine	34.5	13.0	12.5
260	234	INLINE - 6	11.149	Machine	48.2	24.0	24.0
309	278	INLINE - 6	11.149	Electronic	60.5	24.0	24.0
350	315	INLINE - 6	11.149	Electronic	64.3	24.0	24.0
460	460	INLINE - 6	12.344	Electronic	96.0	28.0	42.0
530	477	INLINE - 6	12.344	Electronic	96.0	28.0	42.0

ST'BY PS	PRIME PS	No. of Cylinder	Displacement (Liter)	Governer	Fuel Consumption (Liter/hr)	Oil Capacity (Liter)	Coolant Capacity (Liter)
50	45	INLINE - 4	3.568	Machine	12.0	8.5	8.3
60	54	INLINE - 4	3.298	Machine	15.6	8.5	8.3
85	75	INLINE - 4	3.907	Electronic	20.0	8.5	8.3
110	99	INLINE - 6	7.545	Machine	25.4	13.0	12.5
155	140	INLINE - 6	7.545	Machine	34.5	13.0	12.5
235	212	INLINE - 6	11.149	Machine	48.2	24.0	24.0
270	243	INLINE - 6	11.149	Electronic	60.5	24.0	24.0
320	288	INLINE - 6	11.149	Electronic	64.3	24.0	24.0

GENERATOR SET CATERPILLAR ENGINE

(60Hz / 1800rpm)



MODEL	ST'BY (KW)	PRIME (KW)	Dimension LxWxH(mm)	Weight (Kg)	Radiator Size	Exhaust Pipe Size	Engine Model
PAS-230	230	210	3800 x 1100 x 1903	3500	995 x 900	4"	3306
PAS-250	250	225	3800 x 1100 x 1903	3500	995 x 900	4"	3306
PAS-300	300	275	4182 x 1107 x 2150	4000	1070 x 1210	4"	3406
PAS-350	350	320	4182 x 1107 x 2150	4000	1070 x 1210	6"	3406
PAS-400	400	365	4182 x 1107 x 2150	4000	1070 x 1210	6"	3406
PAS-450	450	410	3775 x 1110 x 2166	4500	1070 x 1210	6"	C15
PAS-500	500	455	3775 x 1110 x 2166	4500	1070 x 1210	6"	C15
PAS-550	550	500	4237 x 1536 x 2166	5000	1705 x 1115	8"	C18
PAS-600	600	545	4237 x 1536 x 2166	5000	1705 x 1115	8"	C18
PAS-650	650	591	4485 x 1748 x 1986	6500	1705 x 1115	8"	3412
PAS-700	700	635	4485 x 1748 x 1986	7000	1705 x 1115	8"	3412
PAS-750	750	680	4485 x 1741 x 1986	7500	1705 x 1115	8"	3412
PAS-800	800	725	4485 x 1741 x 1986	7500	1705 x 1115	8"	3412
PAS-900	900	810	4767 x 2024 x 2223	8500	1725 x 1615	12"	C32
PAS-1000	1000	910	4767 x 2024 x 2223	8500	1725 x 1615	12"	C32
PAS-1100	1100	1000	5173 x 2094 x 2367	12500	2070 x 1860	12"	3512
PAS-1250	1250	1135	5173 x 2094 x 2367	12500	2070 x 1860	12"	3512
PAS-1400	1400	1275	5128 x 2286 x 2332	13500	2070 x 1860	12"	3512B
PAS-1500	1500	1360	5128 x 2286 x 2332	13500	2070 x 1860	12"	3512B
PAS-1750	1750	1600	6086 x 2286 x 2331	15500	2320 x 2060	16"	3516
PAS-2000	2000	1825	6444 x 2588 x 3051	16500	2320 x 2060	16"	3516B
PAS-2250	2250	2000	6867 x 2588 x 3022	17500	2320 x 2060	16"	3516B
PAS-2500	2500	2275	7072 x 2450 x 2916	18500	2320 x 2060	16"	3516C
PAS-2750	2750	2500	6492 x 2098 x 2208	20000	-	16"	C175
PAS-3000	3000	2725	6492 x 2098 x 2208	20000	-	16"	C175



ST'BY BHP	PRIME BHP	No. of Cylinder	Displacement (Liter)	Governer	Fuel Consumption (Liter/hr)	Oil Capacity (Liter)	Coolant Capacity (Liter)
343	314	INLINE - 6	10.5	Machine	68	38	36
377	343	INLINE - 6	10.5	Machine	73	38	36
449	405	INLINE - 6	14.6	Electronic	87	38	25
519	475	INLINE - 6	14.6	Electronic	101	38	25
587	536	INLINE - 6	14.6	Electronic	111	38	25
707	644	INLINE - 6	15.2	Electronic	122	60	58
779	709	INLINE - 6	15.2	Electronic	127	60	58
839	766	INLINE - 6	18.1	Electronic	147	38	27
900	831	INLINE - 6	18.1	Electronic	163	38	27
968	890	VEE - 12	27	Electronic	175	139	113
1039	947	VEE - 12	27	Electronic	188	139	160
1109	1011	VEE - 12	27	Electronic	206	139	162
1180	1071	VEE - 12	27	Electronic	222	139	162
1357	1220	VEE - 12	32.1	Electronic	237	76	190
1502	1341	VEE - 12	32.1	Electronic	272	76	190
1603	1455	VEE - 12	51.8	Electronic	305	310	287
1818	1662	VEE - 12	51.8	Electronic	354	310	287
2032	1844	VEE - 12	51.8	Electronic	385	310	322
2172	1971	VEE - 12	51.8	Electronic	411	310	322
2520	2304	VEE - 16	69	Electronic	470	410	398
2876	2628	VEE - 16	69	Electronic	531	410	421
3286	2876	VEE - 16	69	Electronic	594	410	518
3634	3308	VEE - 16	78	Electronic	656	410	504
3987	3638	VEE - 16	84.6	Electronic	729	510	304
4423	4034	VEE - 16	84.6	Electronic	806	510	304

GENERATOR SET CUMMINS ENGINE (60Hz / 1800rpm)

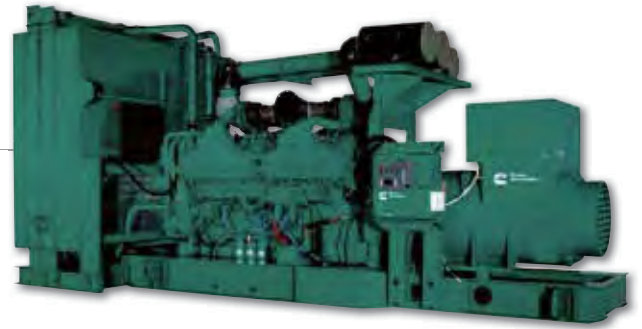


MODEL	ST'BY (KW)	PRIME (KW)	Dimension LxWxH(mm)	Weight (Kg)	Radiator Size	Exhaust Pipe Size	Engine Model
PCS-35	35	32	1753 x 930 x 1256	705	540 x 540	3"	4B3.3-G1
PCS-50	50	45	1753 x 930 x 1256	776	540 x 540	3"	4BT3.3-G2
PCS-70	70	65	1920 x 1050 x 1438	1335	550 x 550	3"	4BTA3.9-G3
PCS-80	80	72	1920 x 1050 x 1438	1380	550 x 550	3"	4BTA3.9-G4
PCS-90	90	80	1828 x 630 x 1368	1405	550 x 550	3"	4BTA3.9-G4
PCS-110	110	100	2220 x 1050 x 1577	1625	645 x 690	3"	5BTA5.9-G1
PCS-140	140	-	2220 x 1050 x 1577	1710	645 x 690	3"	6BTA5.9-G2
PCS-180	180	165	2387 x 1000 x 1685	1940	898 x 796	4"	6CTA8.3-G2
PCS-200	200	180	2524 x 1020 x 1685	1890	730 x 780	4"	6CTAA8.3-G1
PCS-230	230	205	2623 x 1020 x 1685	2083	813 x 813	4"	6CTAA8.3-G2
PCS-250	250	225	3135 x 1100 x 1928	2684	964 x 1090	4"	QSL9-G5
PCS-275	275	250	3135 x 1100 x 1928	3157	964 x 1090	4"	QSL9-G5
PCS-300	300	275	3135 x 1100 x 1928	3157	964 x 1090	4"	QSL9-G5
PCS-350	350	322	3156 x 1000 x 1914	3143	929 x 944	5"	NTA855-G3
PCS-400	400	-	3156 x 1000 x 1914	3143	929 x 944	5"	NTA855-G5
PCS-450	450	410	3494 x 1500 x 1807	3860	1145 x 1093	6"	QSX15-G9
PCS-500	500	455	3494 x 1500 x 1807	3860	1145 x 1093	6"	QSX15-G9
PCS-600	600	545	3819 x 1483 x 2037	5880	1377 x 1341	10"	VTA28-G5
PCS-750	750	682	4080 x 1756 x 2181	6568	1578 x 1521	10"	VTA28-G7
PCS-825	825	744	4593 x 1502 x 2086	7023	1324 x 1387	10"	QSK23-G3
PCS-925	925	835	4230 x 1756 x 2248	7295	1578 x 1581	10"	QST30-G3
PCS-1000	1000	920	4469 x 1755 x 2248	7768	1578 x 1521	10"	QST30-G4
PCS-1250	1250	1120	5283 x 2066 x 2233	10400	1915 x 1630	12"	KTA50-G3
PCS-1500	1500	1200	5637 x 2250 x 2250	12000	2072 x 1610	12"	KTA50-G9
PCS-2000	2000	1800	5828 x 2270 x 2550	16000	2152 x 1853	12"	QSK60-G5
PCS-2250	2250	-	5842 x 2270 x 2800	17720	2152 x 2093	12"	QSK60-G9
PCS-2500	2500	2250	6925 x 2750 x 3360	21399	-	14"	QSK78-G6



ST'BY BHP	PRIME BHP	No. of Cylinder	Displacement (Liter)	Governer	Fuel Consumption (Liter/hr)	Oil Capacity (Liter)	Coolant Capacity (Liter)
56	51	INLINE - 4	3.3	Machine	11.3	7.5	4.5
82	72	INLINE - 4	3.3	Machine	15.6	8.0	4.5
130	117	INLINE - 4	3.92	Machine	25.0	10.9	7.9
145	130	INLINE - 4	3.92	Electronic	27.0	10.9	7.9
145	130	INLINE - 4	3.92	Electronic	27.0	10.9	7.9
177	161	INLINE - 6	5.88	Machine	34.0	16.4	9.9
220	-	INLINE - 6	5.88	Machine	41.0	16.4	9.9
277	252	INLINE - 6	8.3	Machine	53.0	23.8	12.3
317	285	INLINE - 6	8.3	Machine	59.0	23.8	12.3
352	-	INLINE - 6	8.3	Machine	68.0	23.8	12.3
476	412	INLINE - 6	8.8	Electronic	89.0	26.5	11.0
476	412	INLINE - 6	8.8	Electronic	89.0	26.5	11.0
476	412	INLINE - 6	8.8	Electronic	89.0	26.5	11.0
535	480	INLINE - 6	14.0	Electronic	96.0	38.6	20.8
605	-	INLINE - 6	14.0	Electronic	110.0	36.7	20.8
755	680	INLINE - 6	15.0	Electronic	138.8	91.0	24.0
755	680	INLINE - 6	15.0	Electronic	138.8	91.0	24.0
900	815	VEE - 12	28.0	Electronic	154.0	83.0	80.0
1135	-	VEE - 12	28.0	Electronic	221.0	83.0	80.0
1200	1085	INLINE - 6	23.15	Electronic	212.0	103.0	46.5
1350	1220	VEE - 12	30.48	Electronic	228.0	154.0	85.0
1490	1350	VEE - 12	30.48	Electronic	267.0	154.0	79.0
1850	1742	VEE - 16	50.3	Electronic	330.0	177.0	161.0
2220	1855	VEE - 16	50.3	Electronic	392.0	204.0	140.0
2922	2647	VEE - 16	60.2	Electronic	521.0	280.0	159.0
3251	-	VEE - 16	60.2	Electronic	569.0	195.0	159.0
3778	3371	VEE - 18	77.6	Electronic	663.0	466.0	166.6

GENERATOR SET CUMMINS ENGINE (50Hz / 1500rpm)



MODEL	ST'BY (KW)	PRIME (KW)	Dimension LxWxH(mm)	Weight (Kg)	Radiator Size	Exhaust Pipe Size	Engine Model
PCS-30	30	26	1753 x 930 x 1256	705	540 x 540	3"	4B3.3-G1
PCS-50	44	40	1753 x 930 x 1256	776	540 x 540	3"	4BT3.3-G2
PCS-90	80	72	1828 x 630 x 1368	1405	550 x 550	3"	4BTA3.9-G4
PCS-140	120	109	2220 x 1050 x 1577	1710	645 x 690	3"	6BTA5.9-G2
PCS-180	163	148	2387 x 1000 x 1685	1940	898 x 796	4"	6CTA8.3-G2
PCS-200	176	160	2524 x 1020 x 1685	1890	730 x 780	4"	6CTAA8.3-G1
PCS-230	200	182	2623 x 1020 x 1685	2083	813 x 813	4"	6CTAA8.3-G2
PCS-250	220	200	3135 x 1100 x 1928	2684	964 x 1090	4"	QSL9-G5
PCS-275	240	220	3135 x 1100 x 1928	3157	964 x 1090	4"	QSL9-G5
PCS-300	264	240	3135 x 1100 x 1928	3157	964 x 1090	4"	QSL9-G5
PCS-350	312	280	3156 x 1000 x 1914	3143	929 x 944	5"	NTA855-G4
PCS-400	352	320	3228 x 1000 x 1914	3143	929 x 944	5"	NTA855-G7
PCS-450	400	360	3494 x 1500 x 1807	3860	1145 x 1093	6"	QSX15-G8
PCS-500	440	400	3494 x 1500 x 1807	3860	1145 x 1093	6"	QSX15-G8
PCS-600	565	512	3819 x 1483 x 2037	5880	1377 x 1341	10"	VTA28-G5
PCS-750	660	600	4080 x 1756 x 2181	6568	1578 x 1521	10"	VTA28-G6
PCS-825	720	656	4593 x 1502 x 2086	7023	1324 x 1387	10"	QSK23-G3
PCS-925	833	751	4230 x 1756 x 2248	7295	1578 x 1581	10"	QST30-G3
PCS-1000	888	800	4469 x 1755 x 2248	7768	1578 x 1521	10"	QST30-G4
PCS-1250	1120	1005	5283 x 2066 x 2233	10400	1915 x 1630	12"	KTA50-G3
PCS-1500	1340	1125	5637 x 2250 x 2250	12000	2072 x 1610	12"	KTA50-G8
PCS-1750	1650	1500	5828 x 2270 x 2550	15245	1810 x 1470	12"	QSK60-G3
PCS-2000	1800	1600	5891 x 2270 x 2550	15245	1810 x 1470	12"	QSK60-G4
PCS-2250	2000	1800	5842 x 2270 x 2550	17000	1810 x 1470	12"	QSK60-G8



ST'BY BHP	PRIME BHP	No. of Cylinder	Displacement (Liter)	Governer	Fuel Consumption (Liter/hr)	Oil Capacity (Liter)	Coolant Capacity (Liter)
48	43	INLINE - 4	3.3	Machine	11.3	7.5	4.5
68	62	INLINE - 4	3.3	Machine	12.9	8.0	4.5
130	117	INLINE - 4	3.92	Electronic	24.0	10.9	7.9
195	-	INLINE - 6	5.88	Machine	35.0	16.4	9.9
241	219	INLINE - 6	8.3	Machine	45.0	23.8	12.3
272	245	INLINE - 6	8.3	Machine	50.0	23.8	12.3
310	-	INLINE - 6	8.3	Machine	57.0	23.8	12.3
415	359	INLINE - 6	8.8	Electronic	75.0	26.5	11.0
415	359	INLINE - 6	8.8	Electronic	75.0	26.5	11.0
415	359	INLINE - 6	8.8	Electronic	75.0	26.5	11.0
470	425	INLINE - 6	14.0	Electronic	84.0	38.6	20.8
525	-	INLINE - 6	14.0	Electronic	97.7	36.7	20.8
670	605	INLINE - 6	15.0	Electronic	120.0	91.0	24.0
670	605	INLINE - 6	15.0	Electronic	120.0	91.0	24.0
825	750	VEE - 12	28.0	Electronic	154.0	83.0	80.0
968	-	VEE - 12	28.0	Electronic	180.0	83.0	80.0
1030	940	INLINE - 6	23.15	Electronic	178.0	103.0	46.5
1200	1080	VEE - 12	30.48	Electronic	204.0	154.0	85.0
1300	1180	VEE - 12	30.48	Electronic	224.0	154.0	79.0
1645	1541	VEE - 16	50.3	Electronic	293.0	177.0	161.0
1915	1608	VEE - 16	50.3	Electronic	345.0	204.0	165.0
2399	2165	VEE - 16	60.2	Electronic	393.0	280.0	157.0
2567	2319	VEE - 16	60.2	Electronic	437.0	280.0	157.0
2875	-	VEE - 16	60.2	Electronic	500.0	280.0	159.0

GENERATOR SET MITSUBISHI ENGINE (60Hz / 1800rpm)



MODEL	ST'BY (KW)	PRIME (KW)	Dimension LxWxH(mm)	Weight (Kg)	Radiator Size	Exhaust Pipe Size	Engine Model
PIS-600	600	545	3700 x 1410 x 1845	5525	1295 x 1050	8"	S6R-PTA
PIS-800	800	727	3805 x 1600 x 2115	6400	1300 x 1485	10"	S12A2-PTA
PIS-850	850	785	4060 x 1715 x 2100	7200	1300 x 1485	10"	S12A2-PTA2
PIS-1000	1000	909	4195 x 1655 x 2340	8420	1535 x 1600	10"	S12H-PTA
PIS-1250	1250	1136	4500 x 1820 x 2555	10890	1700 x 1700	12"	S12R-PTA
PIS-1350	1350	1227	4715 x 1820 x 2555	10890	1700 x 2000	14"	S12R-PTA2
PIS-1600	1600	1456	5200 x 1820 x 3145	10570	1700 x 2000	14"	S16R-PTA
PIS-1800	1800	1636	5200 x 2590 x 3125	13720	2420 x 2330	14"	S16R-PTA2
PIS-2000	2000	1818	5200 x 2590 x 3125	15655	2195 x 2470	14"	S16R-PTAA2

GENERATOR SET MITSUBISHI ENGINE (50Hz / 1500rpm)



MODEL	ST'BY (KW)	PRIME (KW)	Dimension LxWxH(mm)	Weight (Kg)	Radiator Size	Exhaust Pipe Size	Engine Model
PIS-600	516	465	3700 x 1410 x 1845	5525	1295 x 1050	8"	S6R-PTA
PIS-800	705	641	3805 x 1600 x 2115	6400	1300 x 1485	10"	S12A2-PTA
PIS-850	800	708	4060 x 1715 x 2100	7200	1300 x 1485	10"	S12A2-PTA2
PIS-1000	907	825	4195 x 1655 x 2340	8420	1535 x 1600	10"	S12H-PTA
PIS-1250	1171	1065	4500 x 1820 x 2555	10890	1700 x 1700	12"	S12R-PTA
PIS-1350	1222	1110	4715 x 1820 x 2555	10890	1700 x 2000	14"	S12R-PTA2
PIS-1600	1496	1360	5200 x 1820 x 3145	10570	1700 x 2000	14"	S16R-PTA
PIS-1800	1667	1515	5200 x 2590 x 3125	13720	2420 x 2330	14"	S16R-PTA2
PIS-2000	1800	1600	5200 x 2590 x 3125	15655	2195 x 2470	14"	S16R-PTAA2



ST'BY BHP	PRIME BHP	No. of Cylinder	Displacement (Liter)	Governer	Fuel Consumption (Liter/hr)	Oil Capacity (Liter)	Coolant Capacity (Liter)
865	771	INLINE - 6	24.51	Electronic	170	94	113
1146	980	VEE - 12	33.93	Electronic	190	120	215
1273	1158	VEE - 12	33.93	Electronic	246	120	215
1448	1314	VEE - 12	37.11	Electronic	295	200	244
1702	1528	VEE - 12	49.03	Electronic	344	180	335
1903	1729	VEE - 12	49.03	Electronic	394	180	305
2279	2064	VEE - 16	65.37	Electronic	444	230	350
2547	2312	VEE - 16	65.37	Electronic	541	230	445
2822	2540	VEE - 16	65.37	Electronic	537	230	400

ST'BY BHP	PRIME BHP	No. of Cylinder	Displacement (Liter)	Governer	Fuel Consumption (Liter/hr)	Oil Capacity (Liter)	Coolant Capacity (Liter)
744	670	INLINE - 6	24.51	Electronic	154	94	113
970	880	VEE - 12	33.93	Electronic	166	120	215
1126	1024	VEE - 12	33.93	Electronic	220	120	215
1314	1193	VEE - 12	37.11	Electronic	275	200	244
1595	1448	VEE - 12	49.03	Electronic	318	180	335
1723	1562	VEE - 12	49.03	Electronic	335	180	305
2131	1944	VEE - 16	65.37	Electronic	418	230	350
2359	2145	VEE - 16	65.37	Electronic	478	230	445
2540	2258	VEE - 16	65.37	Electronic	479	230	400

GENERATOR SET MTU ENGINE (60Hz / 1800rpm)

MODEL	ST'BY (KW)	PRIME (KW)	Dimension LxWxH(mm)	Weight (Kg)	Radiator Size	Exhaust Pipe Size	Engine Model
PMS-700	700	630	3900 x 1448 x 2050	5334	1354 x 1312	10"	12V2000G45
PMS-800	800	730	3900 x 1448 x 2050	5584	1354 x 1312	10"	12V2000G85
PMS-900	900	820	4250 x 1898 x 2450	6942	1804 x 1612	10"	16V2000G45
PMS-1000	1000	910	4250 x 1898 x 2450	6992	1804 x 1612	10"	16V2000G85
PMS-1200	1200	1080	4700 x 2123 x 2450	7719	2028 x 1612	10"	18V2000G85
PMS-1250	1250	1100	5000 x 2170 x 2946	11176	1985 x 1850	12"	12V4000G41R
PMS-1600	1600	1400	5400 x 2170 x 2946	12533	1985 x 1850	12"	12V4000G43
PMS-1750	1750	1600	6007 x 2591 x 2946	12987	1985 x 1850	12"	12V4000G83
PMS-2100	2100	1850	6003 x 2445 x 2896	17046	2260 x 1850	12"	16V4000G43
PMS-2300	2300	2100	6209 x 2460 x 3588	18112	2216 x 2500	12"	16V4000G83
PMS-2500	2500	2300	7150 x 2780 x 3588	23299	2536 x 2500	14"	20V4000G43
PMS-2800	2800	2500	7150 x 3420 x 3588	23832	3175 x 2500	14"	20V4000G83
PMS-3300	3300	2800	7664 x 4638 x 2795	25509	2044 x 1929	14"	20V4000G83L

GENERATOR SET MTU ENGINE (50Hz / 1500rpm)

MODEL	ST'BY (KW)	PRIME (KW)	Dimension LxWxH(mm)	Weight (Kg)	Radiator Size	Exhaust Pipe Size	Engine Model
PMS-700	560	510	3900 x 1448 x 2050	5334	1354 x 1312	10"	12V2000G25
PMS-800	680	620	3900 x 1448 x 2050	5584	1354 x 1312	10"	12V2000G65
PMS-900	800	720	4250 x 1581 x 2450	6820	1354 x 1612	10"	16V2000G25
PMS-1000	880	800	4250 x 1581 x 2450	6870	1354 x 1612	10"	16V2000G65
PMS-1200	1000	900	4700 x 1898 x 2450	7582	1804 x 1612	10"	18V2000G65
PMS-1250	1100	1000	5000 x 1930 x 2846	10986	1745 x 1750	12"	12V4000G21R
PMS-1600	1450	1300	5400 x 2170 x 2946	12912	1985 x 1850	12"	12V4000G23
PMS-1750	1600	1450	5358 x 2170 x 2946	12985	1985 x 1850	12"	12V4000G63
PMS-2100	1800	1650	6003 x 2445 x 2896	17047	2260 x 1850	12"	16V4000G23
PMS-2300	2000	1800	6209 x 2460 x 3588	18127	2216 x 2500	12"	16V4000G63
PMS-2500	2250	2000	7150 x 2780 x 3588	23314	2536 x 2500	14"	20V4000G23
PMS-2800	2450	2200	7150 x 3420 x 3588	23802	3175 x 2500	14"	20V4000G63
PMS-3300	2650	2400	7664 x 4638 x 2795	25509	2044 x 1929	14"	20V4000G63L



ST'BY BHP	PRIME BHP	No. of Cylinder	Displacement (Liter)	Governer	Fuel Consumption (Liter/hr)	Oil Capacity (Liter)	Coolant Capacity (Liter)
1046	952	VEE - 12	23.88	ADEC	193	77	90
1193	1086	VEE - 12	23.88	ADEC	217	77	90
1354	1227	VEE - 16	31.84	ADEC	240	102	110
1495	1354	VEE - 16	31.84	ADEC	264	102	110
1756	1597	VEE - 18	35.82	ADEC	314	130	120
1838	1625	VEE - 12	48.72	MDEC	338	260	160
2327	2038	VEE - 12	57.24	ADEC	404	260	160
2560	2327	VEE - 12	57.24	ADEC	456	260	160
3056	2708	VEE - 16	76.32	ADEC	536	300	175
3351	3056	VEE - 16	76.32	ADEC	605	300	175
3673	3338	VEE - 20	95.4	ADEC	632	390	205
4035	3673	VEE - 20	95.4	ADEC	709	390	205
4678	4035	VEE - 20	95.4	ADEC	879	390	205

ST'BY BHP	PRIME BHP	No. of Cylinder	Displacement (Liter)	Governer	Fuel Consumption (Liter/hr)	Oil Capacity (Liter)	Coolant Capacity (Liter)
851	777	VEE - 12	23.88	ADEC	149	77	90
1025	932	VEE - 12	23.88	ADEC	180	77	90
1193	1086	VEE - 16	31.84	ADEC	207	102	110
1307	1193	VEE - 16	31.84	ADEC	227	102	110
1475	1340	VEE - 18	35.82	ADEC	262	130	120
1625	1477	VEE - 12	48.72	MDEC	272	260	160
2111	1903	VEE - 12	57.24	ADEC	344	260	160
2346	2111	VEE - 12	57.24	ADEC	398	260	160
2634	2410	VEE - 16	76.32	ADEC	430	300	175
2929	2634	VEE - 16	76.32	ADEC	488	300	175
3244	2949	VEE - 20	95.4	ADEC	542	390	205
3579	3244	VEE - 20	95.4	ADEC	583	390	205
3820	3472	VEE - 20	95.4	ADEC	646	390	205

GENERATOR SET DOOSAN GAS ENGINE (60Hz / 1800rpm)

MODEL	ST'BY (KW)	PRIME (KW)	Dimension LxWxH(mm)	Weight (Kg)	Radiator Size	Exhaust Pipe Size	Engine Model
PNS-150	150	135	3400 x 1000 x 1600	2500	1000 x 1200	4"	GE08TIC
PNS-200	205	184	3500 x 1000 x 1600	3000	1000 x 1200	4"	GE12TIC
PNS-275	275	245	3600 x 1200 x 1700	3400	1150 x 1230	8"	GV158TIC
PNS-350	350	312	3800 x 1200 x 1700	3900	1310 x 1430	8"	GV180TIC
PNS-420	420	375	4000 x 1200 x 1700	4500	1550 X 1430	8"	GV222TIC

GENERATOR SET DOOSAN GAS ENGINE (50Hz / 1500rpm)

MODEL	ST'BY (KW)	PRIME (KW)	Dimension LxWxH(mm)	Weight (Kg)	Radiator Size	Exhaust Pipe Size	Engine Model
PNS-150	130	115	3400 x 1000 x 1600	2500	1000 x 1200	4"	GE08TIC
PNS-200	180	160	3500 x 1000 x 1600	3000	1000 x 1200	4"	GE12TIC
PNS-275	240	210	3600 x 1200 x 1700	3400	1150 x 1230	8"	GV158TIC
PNS-350	305	265	3800 x 1200 x 1700	3900	1310 x 1430	8"	GV180TIC
PNS-420	370	320	4000 x 1200 x 1700	4500	1550 X 1430	8"	GV222TIC



ST'BY PS	PRIME PS	No. of Cylinder	Displacement (Liter)	Governer	Fuel Consumption (Liter/hr)	Oil Capacity (Liter)	Coolant Capacity (Liter)
224	204	INLINE - 6	8.071	Electronic	38.5	23.0	18.0
299	272	INLINE - 6	11.051	Electronic	51.4	25.0	21.0
404	367	VEE - 8	14.618	Electronic	70.6	31.0	36.0
508	462	VEE - 10	18.273	Electronic	90.5	35.0	45.0
613	557	VEE - 12	21.927	Electronic	109.3	31.0	44.0

ST'BY PS	PRIME PS	No. of Cylinder	Displacement (Liter)	Governer	Fuel Consumption (Liter/hr)	Oil Capacity (Liter)	Coolant Capacity (Liter)
191	174	INLINE - 6	8.071	Electronic	31.8	23.0	18.0
262	238	INLINE - 6	11.051	Electronic	43.4	25.0	21.0
344	313	VEE - 8	14.618	Electronic	57.0	31.0	36.0
434	394	VEE - 10	18.273	Electronic	73.4	35.0	45.0
523	476	VEE - 12	21.927	Electronic	90.9	31.0	44.0

POWERMAX Generator Control Panel



디지털 제어 방식
보호 기능의 등급화 (경고장, 중고장)
PC를 이용한 원격제어 및 감시기능
순쉬운 조작버튼
기동, 정지 및 고장내역 표시 (PC모니터)
원격제어 및 모니터링 기능
기동, 정지 및 고장내역 표시

아날로그 판넬과 디지털 판넬 비교

구 분	아날로그 판넬	디지털 판넬
메터 및 계기	전압, 전류, 주파수(회전계), 오일압력, 냉각수온도, 운전시간, 밧데리전압, 전력계, 역율계, 적산전력계 : 옵션 장착 (추가비용부담)	전압, 전류, 주파수(회전계), 오일압력, 냉각수온도, 운전시간, 밧데리전압, 추가기능 : 3상 상/선전압 및 전류값 표시, 자체기능 내장 (표준공급)
보호계전기	허용오차 : ±1.5%	허용오차 : ±1%
조작방식	별도의 보호 계전기 장착 필요 OCR, OVR, UVR	자체기능 내장 (표준공급)
보호기능	선택 스위치 조작 (전압/상 선택스위치, 운전모드 선택스위치)	컴퓨터 키보드 방식 (메뉴 키 조작)
Cool DownTime (후열)	엔진정지 차단기 트립 LED 점등 및 명판	엔진정지, 차단기트립, Pre-Alarm(경고장)과 Alarm(중고장)으로 구분하여 LED 점등 및 LCD에 고장내역 상세표시
주차단기 및 ATS제어	부하 운전시 자동에만 적용	수동/자동 모두 적용
원격제어	별도의 외부 스위치 필요	자체기능 내장 (표준공급)
원격감시	외부 접점 신호를 이용	외부 접점 신호 및 컴퓨터를 이용한 제어
조정범위 변경	별도의 추가 장비가 필요	컴퓨터를 이용한 원격 감시 (중앙제어반 설치 가능)
업그레이드	가변 저항을 이용	키조작, 디지털 입력 (정확한 값 선택)
	제품변경	소프트웨어 업그레이드 (변경 용이)



제어반(Control panel)

전력계 (Wattmeter) Kw
 발전기 전압계 (Voltmeter) Vac
 발전기 전류계 (Ammeter) Aac
 주파수계 (Frequency Meter) Hz
 역률계 (Power Factor Meter) PF
 배터리 전압계 (Battery Voltmeter) Vdc
 배터리 전류계 (Battery Ammeter) Adc
 과전압 계전기 (EOVR)
 과전류 계전기 (EOCR)
 저전압 계전기 (EUVR)

지락과전류 계전기 (OCGR)
 엔진 컨트롤 유닛 (ECU)
 배터리 충전기 (Battery Charger)
 고장표시등 (Fault Indicator)
 전압 / 전류 스위치 (VS/AS)
 시동 스위치 (Starting Switch)
 전압조절 스위치 (Volt Adjusting Switch)
 비상 정지 버튼 (Emergency Stop Button)
 주차단기 (ACB or VCB)

표준 보호장치(Standard Protection)

보호항목	경보등	경보음	차단기차단	엔진정지
기동실패 (Starting Failure)	●	●	●	●
과속도 (Over Speed)	●	●	●	●
냉각수 고온도 (J.W temp High)	●	●	●	●
윤활유 저압력 (L.O Pressure Low)	●	●	●	●
비상정지 (Emergency Stop)	●	●	●	●
과전압 (Over Voltage)	●	●	●	●
저전압 (Under Voltage)	●	●	●	○
과전류 (Over Current)	●	●	●	○

POWERMAX creates new history today!

- 2011. 02 Chairman Chang elected the Chairman of Korea Electrical Manufacturers Association(KOEMA)
- 2010. 10 Installed Impulse Test System 600kV 30kJ (Haefely/Switzerland)
- 2010. 08 Selected as One-KEPCO Export Company (Korea Electric Power Corporation)
- 2010. 05 Awarded the KOTRA Seal of Excellence
- 2010. 02 Acquired High-Efficiency Energy Equipment Certification (Korea Energy Management Corporation)
- 2009. 10 Selected as Innovative Technology SME (INNO-BIZ)
- 2009. 06 Established ERP System
- 2009. 03 Extended Transformer Factory (Up to 80MVA)
- 2008. 09 Introduced Six-sigma Management
- 2006. 09 Selected as Innovative Business SME (MAIN-BIZ)
- 2006. 08 Selected as PL Outstanding Company
- 2006. 06 Standard Pole Transformer (100kVA) Performance Certification
- 2005. 04 Registered as Supplier of C-GIS (KEPCO)
- 2004. 11 Registered as 154kV Power Line Constructor
- 2003. 11 Awarded "Bronze Tower" Industrial Award at the National Quality Management Contest
- 2003. 04 Acquired Electric Work License (Gyeonggi-do)
- 2003. 01 Selected as Promising Power Venture Company (KEPCO)
- 2002. 10 Selected as Promising SME (Industrial Bank of Korea)
- 2002. 07 Designated as Export Promising SME (Gyeonggi SME export center)
- 2001. 12 Acquired ISO Certification
- 2001. 06 Selected as Promising SME (Industrial Bank of Korea)
- 2001. 02 Established POWERMAX Technology Institute
- 2000. 08 Designated as Small and Medium Business Administration Venture Company
- 2000. 03 Established POWERMAX Co., Ltd. (Merged Danam Power and Hanki Heavy Electric)
- 1996. 07 Established Hanki Heavy Electric Co., Ltd.
- 1991. 06 Establish Danam Power Co., Ltd.



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