

POWER SOLUTIONS

INMESOL

PRODUCTS

CATALOG

50 Hz



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ADAPTED TO THE UNPREDICTABLE

SB

**STAND-BY
RANGE**

The INMESOL Stand-By Range provides power in case of mains failure contributing to the **SAFETY** and **CONFORT** facilities.



ISO 9001
ISO 14001
BUREAU VERITAS
Certification



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 SolanoGroup

POWER SOLUTIONS
INMESOL

Inmesol EC Conformity
Certificate of noise emissions.
Directive 2000/14/EC Annex VIII



This catalogue is a guide for the selection and use of a machine based on its power and its ultimate purpose. It contains a selection of various engines that are part of the wide range of products offered by INMESOL to meet any electric requirement.



**Committed to the
environment**

That's why we offer engines
adapted for this purpose

CONTENTS:

IN INDUSTRIAL RANGE

SB STAND-BY RANGE

HR HEAVY RANGE

OP OPTIONS AND ACCESSORIES

KOHLER®



MODEL	MODEL	POWER R.P.M.		ENGINE	SERIES REGULATOR/GOVERNOR	N. CYL.	COOLING	SUCTION	CYL. Liters	CONSUMPTION 75% (lit/h)	OPEN			SOUNDPROOF		
		kVA PRP	kVA LTP								DIMENSIONS (mm)	WEIGHT (kg)	FUEL TANK (L)	DIMENSIONS (mm)	WEIGHT (kg)	FUEL TANK (L)
AK-009	IK-009	8	9	KDW 1003	M	3	L	N	1,03	2	1300x580x1298	310	80	1600x900x1132	550	47
AK-011	IK-011	10	11	KDW 1404	M	4	L	N	1,4	2,5	1300x580x1298	350	80	1600x900x1132	600	47
AK-017	IK-017	15	17	KDW 1603	M	3	L	N	1,6	3,09	1300x580x1383	398	80	1600x900x1132	655	47
AK-022	IK-022	20	22	KDI 1903M	M	3	L	N	1,9	3,5	1300x580x1398	460	80	2000x950x1353	825	85
AK-030	IK-030	27	30	KDI 2504M	M	4	L	N	2,5	4,7	1700x730x1633	590	105	2000x950x1353	950	85
AK-033	IK-033	30	33	KDI 2504 TM30	M	4	L	T	2,5	6,1	1700x730x1614	610	105	2000x950x1353	970	85
AK-044	IK-044	40	44	KDI 2504 TM	M	4	L	T	2,5	8	1700x730x1614	660	105	2500x1100x1455	980	85
AK-066	IK-066	61	67	KDI 3404 TM	M	4	L	T	3,4	11,5	1900x900x1955	920	192	2500x1100x1455	1230	85

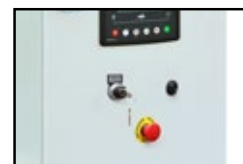
CONTROL MODULE: **INDUSTRIAL RANGE:** DSE 3110 / **STAND-BY RANGE:** DSE 6020 MKII*

* Depending on the model.

SERIES REGULATOR/GOVERNOR: **E:** Electronic. **M:** Mechanical. COOLING: **L:** Liquid. **A:** Air. **O:** Oil. SUCTION: **N:** Natural. **T:** Turbo. **T-I:** Turbo-Intercooler.

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		kVA PRP	kVA LTP								DIMENSIONS (mm)	WEIGHT (kg)	FUEL TANK (L)	DIMENSIONS (mm)	WEIGHT (kg)	FUEL TANK (L)
AI-033	II-033	30	33	F32AM1A	M	4	L	N	3,2	6,5	1700x730x1634	680	105	2000x950x1353	980	85
AI-044	II-044	40	44	F32SM1A	M	4	L	T	3,2	8,5	1700x730x1615	780	105	2500x1100x1455	1230	85
AI-055	II-055	50	55	N 45AM2	M	4	L	N	4,5	9,8	1900x900x1870	840	192	2500x1100x1455	1260	85
AI-066	II-066	60	66	N 45SM1A	M	4	L	T	4,5	10,2	1900x900x1955	860	192	2500x1100x1455	1298	85
AI-083	II-083	75	83	N 45SM2A	M	4	L	T	4,5	12,7	1900x900x1947	920	192	2950x1100x1760	1540	220
AI-090	II-090	80	90	N 45SM3	M	4	L	T	4,5	15,4	1900x900x1947	920	192	2950x1100x1760	1540	220
AI-110	II-110	100	110	N 45TM2A	M	4	L	T-I	4,5	16,2	1900x900x1966	1100	192	2950x1100x1760	1900	220
AI-135	II-135	125	135	N 45TM3	M	4	L	T-I	4,5	21,6	1900x900x1966	1200	192	2950x1100x1760	1910	220
AI-175	II-175	160	175	N 67TM4	M	6	L	T-I	6,7	29,4	2360x1035x2000	1500	320	2950x1100x1760	1960	220
AI-190	II-190	170	190	N 67TM4	M	6	L	T-I	6,7	31,6	2360x1035x2000	1525	320	2950x1100x1760	1980	220
AI-220	II-220	200	220	N 67TE2A	E	6	L	T-I	6,7	35,7	2360x1035x1980	1540	320	3600x1350x2040	2580	360
AI-275	II-275	250	275	C 87TE3	E	6	L	T-I	8,7	46,8	3000x1300x2063	2620	500	3600x1350x2040	3200	360
AI-300	II-300	270	300	C 87TE1D	E	6	L	T-I	8,7	47,6	3000x1300x2319	2700	500	3600x1350x2040	3280	360
AI-335	II-335	300	330	C 87TE4	E	6	L	T-I	10,3	53,7	3000x1300x2310	2750	500	4200x1600x2245	4001	534
AI-385	II-385	350	385	C 13 TE2A	E	6	L	T-I	12,9	57,3	3000x1300x2420	2905	500	4200x1600x2245	4600	534
AI-440	II-440	400	440	C 13 TE3A	E	6	L	T-I	12,9	72,5	3000x1300x2255	3040	500	4200x1600x2245	4780	534
AI-550	II-550	500	550	C 13 TE7	E	6	L	T-I	12,9	80	3000x1300x2178	3300	558	4200x1600x2245	4900	534

CONTROL MODULE: **INDUSTRIAL RANGE:** DSE 3110 / **STAND-BY RANGE:** DSE 6020 MKII - DSE 7320 *

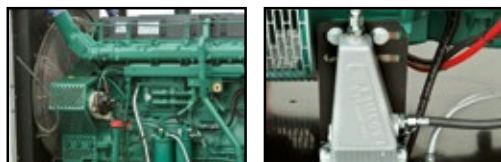
* Depending on the model.

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VOLVO PENTA



MODEL	MODEL	POWER R.P.M.		ENGINE	SERIES REGULATOR / GOVERNOR	N. CYL.	COOLING	SUCTION	CYL. Liters	CONSUMPTION 75% (lit/h)	OPEN			SOUNDPROOF		
		kVA PRP	kVA LTP								DIMENSIONS (mm)	WEIGHT (kg)	FUEL TANK (L)	DIMENSIONS (mm)	WEIGHT (kg)	FUEL TANK (L)
AV-095	IV-095	85	95	TAD 530 GE	M	4	L	T-I	4,76	15	2050x930x1713	1240	195	2950x1100x1760	1680	220
AV-110	IV-110	100	110	TAD 531 GE	M	4	L	T-I	4,76	17	2050x930x1827	1300	212	2950x1100x1760	1840	220
AV-145	IV-145	130	145	TAD 532 GE	E	4	L	T-I	4,76	21	2250x930x1732	1480	212	2950x1100x1760	1980	220
AV-165	IV-165	150	165	TAD 731 GE	M	6	L	T-I	7,15	26	2500x1035x1683	1580	236	2950x1100x1760	2180	220
AV-200	IV-200	180	200	TAD 732 GE	E	6	L	T-I	7,15	31	2500x1035x1845	1850	236	3600x1350x2040	2850	360
AV-220	IV-220	200	220	TAD 733 GE	E	6	L	T-I	7,15	34	2500x1035x1845	1820	236	3600x1350x2040	2980	360
AV-275	IV-275	250	275	TAD 734 GE	E	6	L	T-I	7,15	42	3000x1200x1834	2050	450	3600x1350x2040	3018	360
AV-330	IV-330	300	330	TAD 1341 GE	E	6	L	T-I	9,36	51	3000x1200x2160	2800	450	4200x1600x2245	4200	534
AV-385	IV-385	350	385	TAD 1342 GE	E	6	L	T-I	12,78	53	3000x1200x2163	2850	450	4200x1600x2245	4360	534
AV-415	IV-415	380	415	TAD 1343 GE	E	6	L	T-I	12,78	62	3000x1200x2141	2940	450	4200x1600x2245	4600	534
AV-440	IV-440	400	440	TAD 1344 GE	E	6	L	T-I	12,78	63	3000x1200x2141	2940	450	4200x1600x2245	4600	534
AV-500	IV-500	450	500	TAD 1345 GE	E	6	L	T-I	12,78	69	3000x1200x2111	3180	558	4200x1600x2245	5900	534
AV-550	IV-550	500	550	TAD 1641 GE	E	6	L	T-I	16,12	77	3490x1300x2097	3620	558	4860x2060x2585	5940	1000
AV-650	IV-650	595	650	TAD 1642 GE	E	6	L	T-I	16,12	89	3490x1300x2097	3680	558	4860x2060x2585	6260	1000
AV-680	IV-680	620	680	TWD 1643 GE	E	6	L	T-I	16,12	96,5	3500x1330x2400	4300	1023	4860x2060x2585	6480	1000
AV-700	IV-700	630	700	TWD 1643 GE	E	6	L	T-I	16,12	99,4	3500x1330x2400	4350	1023	4860x2060x2585	6660	1000

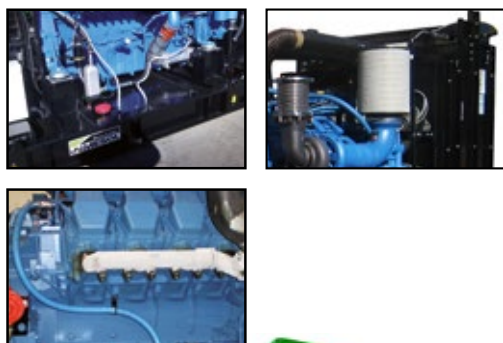
CONTROL MODULE: **INDUSTRIAL RANGE:** DSE 3110 - DSE 7310 / **STAND-BY RANGE:** DSE 6020 MKII - DSE 7320*

* Depending on the model.

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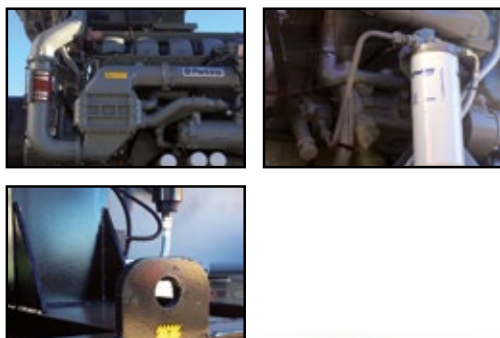
MODEL	MODEL	POWER R.P.M.		ENGINE	SERIES REGULATOR / GOVERNOR	N. CYL	COOLING	SUCTION	CYL. Liters	CONSUMPTION 75% (lit/h)	OPEN			SOUNDPROOF		
		kVA PRP	kVA LTP								DIMENSIONS (mm)	WEIGHT (kg)	FUEL TANK (L)	DIMENSIONS (mm)	WEIGHT (kg)	FUEL TANK (L)
AT-865	IT-865	780	865	12V 2000 G65	E	12	L	T-I	23,8	121	4000x1600x2000	6700	1000	6500x2220x2636	10000	1000
AT-1010	IT-1010	915	1010	16V 2000 G25	E	16	L	T-I	31,8	137	4500x1700x2100	6920	1000	6500x2220x2636	10600	1000
AT-1115	IT-1115	1010	1111	16V 2000 G65	E	16	L	T-I	31,8	151	4500x1700x2100	-	1000	6500x2220x2636	11160	1000
AT-1260	CT-1260	1139	1258	18V 2000 G65	E	18	L	T-I	35,8	172	5000x2000x2100	7400	1000	6080x2432x2614	11400	1000
AT-1410	CT-1410	1280	1410	18V 2000 G76F	E	18	L	T-I	40,2	187	6000x2150x2350	-	1000	12192x2438x3010	-	1000
AT-1855	CT-1855	1670	1855	12V 4000 G23	E	12	L	T-I	57,2	244	6500x2150x2350	-	1000	12192x2438x3010	-	1000
AT-1980	CT-1980	1800	1980	12V 4000 G63	E	12	L	T-I	57,2	268	6500x2150x2350	-	1000	12192x2438x3010	-	1000
AT-2305	CT-2305	2100	2305	16V 4000 G23	E	16	L	T-I	76,3	307	6800x2250x2400	-	1000	12192x2438x3010	-	1000

HEAVY RANGE CONTROL MODULE: DSE 7320

SERIES REGULATOR/GOVERNOR: **E**: Electronic. **M**: Mechanical. COOLING: **L**: Liquid. **A**: Air. **O**: Oil. SUCTION: **N**: Natural. **T**: Turbo. **T-I**: Turbo-Intercooler.

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		kVA PRP	kVA LTP								DIMENSIONS (mm)	WEIGHT (kg)	FUEL TANK (L)	DIMENSIONS (mm)	WEIGHT (kg)	FUEL TANK (L)
AP-825	IP-825	750	825	4006-23TAG2A	E	6	L	T-I	22,9	121	4000x1700x2280	6600	1000	6500x2220x2636	-	1000
AP-880	IP-880	800	880	4006-23TAG3A	E	6	L	T-I	22,9	130	4000x1700x2280	-	1000	6500x2220x2636	10320	1000
AP-1005	IP-1005	915	1005	4008TAG1A	E	8	L	T-I	30,56	143	4500x1700x2200	-	1000	6500x2220x2636	-	1000
AP-1120	IP-1120	1025	1120	4008TAG2A	E	8	L	T-I	30,56	160	4500x1700x2200	-	1000	6500x2220x2636	11480	1000
AP-1400	CP-1400	1265	1400	4012-46TWG2A	E	12	L	T-I	45,8	189	5000x1800x2650	10740	1000	12192x2438x3010	-	1000
AP-1650	CP-1650	1500	1650	4012-46TAG2A	E	12	L	T-I	45,8	227	5500x2100x2400	-	1000	12192x2438x3010	-	1000
AP-1980	CP-1980	1800	1980	4016TAG1A	E	16	L	T-I	61,1	275	5700x2261x3153	-	1000	12192x2438x3010	-	1000
AP-2280	CP-2280	2075	2280	4016TAG2A	E	16	L	T-I	61,1	313	6500x2755x3573	-	1000	12192x2438x3010	-	1000

HEAVY RANGE CONTROL MODULE: DSE 7320

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Circuit breaker for Industrial Range

STANDARD:

- 4 Poles up to 85 kVA PRP
- 3 poles from 100 kVA PRP

INDUSTRIAL RANGE GENSETS



Open Genset:

MANUAL GENSET WITH ELECTRIC START

Control module in a metallic enclosure mounted on the genset.



Sound Prof. Genset:

MANUAL GENSET WITH ELECTRIC START

(With control module mounted in a metallic enclosure with door and lock with key to permit/avoid access).



Control modules

STANDARD:



DSE 3110
TECHNICAL
DATA

DSE 3110

Manual & Auto Start Control Module

The DSE 3110 is an outstanding compact control module that provides a comprehensive range of features for single-set applications. The controller can be used in manual or auto start mode.

(Analog control panel). For all engines KOHLER, LOMBARDINI, DEUTZ, FPT, DEUTZ, PERKINS and for VOLVO up to 200 kVA inclusive.



DSE 7310
TECHNICAL
DATA

DSE 7310

Auto Start Control Module

The DSE 7310 is an advanced controller with all the features of DSE 6010 MKII and more function, inputs and outputs. It includes communication ports.

For VOLVO engines from 250 kva

Control modules

OPTIONS



OPTIONAL:

Digital control panel **DSE 6010**



OPTIONAL:

Digital control panel **DSE 7310**

OPTIONAL

AMF/ATS PANEL TO TURN A MANUAL GENSET TO AUTOMATIC VERSION

The panel consists of:

- CONTROL MODULE **DSE 334**
- CHANGE OVER SWITCH
- BATTERY CHARGER



Circuit breaker for Stand-by Range

STANDARD:

- 4 Poles

STAND-BY RANGE GENSETS

V2

GENSETS **WITH AMF/ATS PANEL** AND 4 POLE CIRCUIT BREAKER

**V2**

Soundproof genset:

(Until 95 kVA):

Genset with 4 pole Circuit breaker (until 95 kVA -LTP- inside the genset)

AMF/ATS PANEL

Including:

- Control cable of 6 m
- Control module
- Change over switch
- Battery charger

**V2**

Soundproof genset:

(From 110 kVA):

Genset with 4 pole circuit breaker (from 110 kVA- LTP- in a metallic enclosure with door)

AMF/ATS PANEL

Including:

- Control cable of 6 m
- Control module
- Change over switch
- Battery charger

**V1**

PREWIRED VERSION FOR AMF

V2GENSETS **WITH AMF/ATS PANEL** AND 4 POLE CIRCUIT BREAKER**V3**GENSET WITH AMF CONTROL PANEL BUT **WITHOUT ATS PANEL** AND SEPARATED ATS PANEL

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V2

Open genset:

Genset with Circuit breaker.

AMF/ATS CONTROL PANEL

Including:

- Control cable of 6 m
- Control module
- Change over switch
- Battery charger



V3

Genset with AMF control panel but **WITHOUT ATS PANEL** and separated ATS panel



V3

Open genset:

AMF control panel but without ATS including:

In the genset:

- Circuit breaker

In the control panel

- Control Module
- Battery charger

OPTION

- Separated ATS Panel
- Stand to support the control cubicle on the genset.



OPTION. Separated ATS Panel



V3

Sound proof genset:

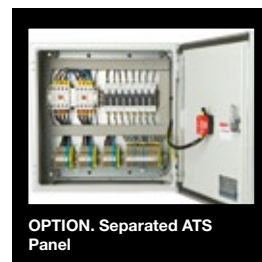
AMF control panel but without ATS

In the genset:

- Control Module
- Circuit breaker
- Battery charger

OPTION:

- Separated ATS Panel



OPTION. Separated ATS Panel

V1 PREWIRED VERSION FOR AMF

V2 GENSETS **WITH AMF/ATS PANEL** AND 4 POLE CIRCUIT BREAKER

V3 GENSET WITH AMF CONTROL PANEL BUT **WITHOUT ATS PANEL** AND SEPARATED ATS PANEL

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Control modules

STANDARD:



DSE 6020 MKII Auto Mains (Utility) Failure Control Module



DSE 6020
TECHNICAL
DATA

The DSE 6020 MKII is an Auto Mains (Utility) Failure Control Module developed to provide a wide range of operating and monitoring features for single diesel gensets.

For all engines until and including 200 kVA



DSE 7320 Auto Mains (Utility) Failure Control Module



DSE 7320
TECHNICAL
DATA

The DSE 7320 is an advanced controller with all the features of DSE 6020 MKII and more function, inputs and outputs. It includes communication ports.

For engines from 250 kVA and up.

Control modules

OPTIONS



OPTIONAL:

Digital control panel **DSE 7320**

OP OPTIONS AND ACCESSORIES



INTEGRATED METALIC FUEL TANK OF 24 HOURS AUTONOMY WITH LIQUID LEAKAGE PROTECTION.



SITE TRAILER/ROAD TRAILER



KIT OF 3-WAY VALVES FOR EXTERNAL FUEL TANK.



AUTOMATIC-MANUAL FUEL TRANSFER PUMP.



CYCLONE OIL FILTER.



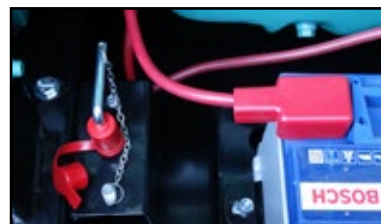
MUR-PHY ENGINE OIL MAINTAINING SYSTEM.



COOLANT LEVEL SENSOR IN RADIATOR.



FAST FUEL PLUG CONNECTION BETWEEN EXTERNAL AND INTERNAL FUEL TANK.



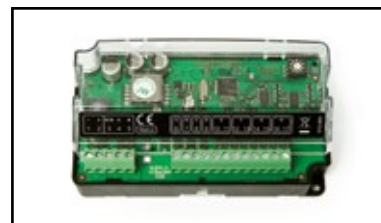
ON-OFF BATTERY SWITCH



ELECTRICAL POWER SOCKET KIT



GSM MODEM.



OUTPUT EXPANSION MODULE.



PROGRAMABLE TIMER



INDICATOR EXPANSION MODULE



EARTH LEAK PROTECTION



BATTERY CHARGER.



MORE INFORMATION: www.inmesol.com



INMESOL, S.L.

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Inmesol is present in over 80 countries worldwide

www.inmesol.com



Inmesol, S.L. company with ISO 9001 quality management system certificate and ISO 14001 Environmental Management System Certificate for the: "Design, manufacture, marketing and technical assistance of power generators, lighting towers, welding generators, tractor with PTO generator and hybrid generation systems."