SDMO Masters

SDMO Masters General Characteristics

Service	50 Hz - 400/230 V 1500 rpm					ENGINE SPECIFICATIONS							Noise level approval		60 Hz - 440/254 V 1800 rpm			
	Alternator		Engine								Reservoir tank				Alternator		Engine	
GENSET TYPE	**KVA** Cos 0.8 (1)	Amp.	KW m (1)	Cons. max. (2)	Cons. moy. EJP (3) L	Motor type	Cyl.	Bore mm	Stroke mm	Swept volume	Versions II	Versions IV/V	SILENT (50 Hz) LWA	SUPER SILENT (50 Hz) LWA	**KVA** Cos 0.8 (1)	Amp.	KW m	Cons. (2) L
MS 90	90	130	83	18.5	9.46	6 BT 5.9 G3	6L	102	120	5.9	80	285	96	95	100	131	87	23.4
MS 100 S	100	144	93	21.7	11.1	6 BT 5.9 G3	6L	102	120	5.9	80	285	96	95	110	144	97	25.7
MS 100	100	144	94	24	11.35	6 BT 5.9 G2	6L	102	120	5.9	80	285	97	96	115	151	108	27.1
MS 110 S	110	158	103	26.9	12.7	6 BT 5.9 G2	6L	102	120	5.9	80	285	97	93	122	160	120	29.9
MS 130	130	195	118	30	15	6 CT 8.3 G	6L	114	135	8.3	140	300	99	93	150	197	133	34
MS 150 S	150	216	131	34	17	6 CT 8.3 G	6L	114	135	8.3	140	300	99	93	165	216	147	38
MS 150	150	216	159	33	17	6 CTA 8.3 G	6L	114	135	8.3	140	300	99	93	175	230	181	38.5
MS 180	180	260	159	40	20	6 CTA 8.3 G	6L	114	135	8.3	140	300	99	93	200	262	181	46
MS 200 S	200	289	176	44	22	6 CTA 8.3 G	6L	114	135	8.3	140	300	99	93	230	302	200	51
MS 230	230	332	202	48.4	26.1	LTA 10 G2	6L	125	136	10	140	330	99	94	255	335	220	56.4
MS 250 S	250	361	224	53.4	28.8	LTA 10 G2	6L	125	136	10	140	330	99	94	285	374	246	63.2
MS 250	250	361	216	51.1	26.9	LTA 10 G3	6L	125	136	10	140	330	99	95	-	-	-	-
MS 275 S	275	397	238	55.6	29.3	LTA 10 G3	6L	125	136	10	140	330	99	95	-	-	-	-
MS 285	-	-	-	-	-	LTA 10 G1	6L	125	136	10	140	330	-	-	285	374	247	59
MS 315 S	-	-	-	-	-	LTA 10 G1	6L	125	136	10	140	330	-	-	305	400	271	64.7
MS 300	300	433	272	69	36	NT 855 G6	6L	140	152	14	165	420	100	96	325	426	281	74
MS 350 S	350	505	302	76	39.6	NT 855 G6	6L	140	152	14	165	420	100	96	360	472	311	82
MS 360	360	520	309	76	39	NTA 855 G4	6L	140	152	14	165	420	100	95	-	-	-	-
MS 400 S	400	577	342	84	43.1	NTA 855 G4	6L	140	152	14	165	420	-	-	-	-	-	-
MS 400	-	-	-	-	-	NTA 855 G3	6L	140	152	14	165	420	-	-	400	525	344	87
MS 440 S	-	-	-	-	-	NTA 855 G3	6L	140	152	14	165	420	-	-	440	577	385	96
MS 450	450	650	383	96	51	KTA 19 G3	6L	159	159	18.9	235	490	-	98	500	656	429	111
MS 500 S	500	722	428	107	56.2	KTA 19 G3	6L	159	159	18.9	235	490	-	-	560	735	477	122
MS 500	500	722	428	107	57	KTA 19 G4	6L	159	159	18.9	235	490	-	98	560	735	473	120
MS 550 S	550	794	484	121	64.6	KTA 19 G4	6L	159	159	18.9	235	490	-	-	610	800	526	133

SDMO Masters Dimensions and Dry Weight

GENSET TYPE	I BASIC				II COMPACT				IV SILENT				V SUPER SILENT			
	L mm	W mm	H mm	WT kg	L mm	W mm	H mm	WT kg	L mm	W mm	H mm	WT kg	L mm	W mm	H mm	WT kg
MS 650 / MS 700 S / MS 700 / MS 770 S	3365	1390	2140	5125	3870	1450	2465	5510	5800	1700	2530	7150	7450	1700	2600	8300
MS 725 / MS 800 S	3695	1390	2125	6105	4370	1780	2315	6930	7470	2025	3440	10685	-	-	-	-
MS 760 / MS 830 S	3695	1390	2125	6220	4370	1780	2315	6930	7470	2025	3440	10685	-	-	-	-
MS 910 / MS 1000 S	3570	1390	1095	6220	4200	1780	2315	7045	7470	2025	3440	10985	-	-	-	-
MS 1000 / MS 1100 S / MS 1150 / MS 1270 S	3650	1390	1095	6450	4525	1780	2290	7540	7470	2025	3440	10985	-	-	-	-
MS 1002 / MS 1102 S / MS 1402 S	4170	1390	2125	7630	5015	1780	2290	8720	8870	2025	3440	12875	-	-	-	-
MS 1270 / MS 1400 S	4245	1390	2175	7915	5180	1780	2290	9010	8870	2025	3440	13390	-	-	-	-
MS 1530 S	4340	1390	2234	8100	5275	1780	2290	9280	8870	2025	3440	13630	-	-	-	-
MS 1325 / MS 1375 / MS 1620 S	4360	1390	2180	8260	5275	1780	2290	9414	8870	2025	3440	14930	-	-	-	-

SDMO Masters III

650 - 2500 kva

FOR ENGINEERING AND POWER PLANTS

The SDMO genset range based on V 12 and V 16 CUMMINS engines is a leading force in the production and manufacture of medium power gensets. The range allows for the design of modular power plants of a very high specification.

2x1600kVA medium voltage generating sets with paralleling

Sound-proofed control and management room

Masters III Range

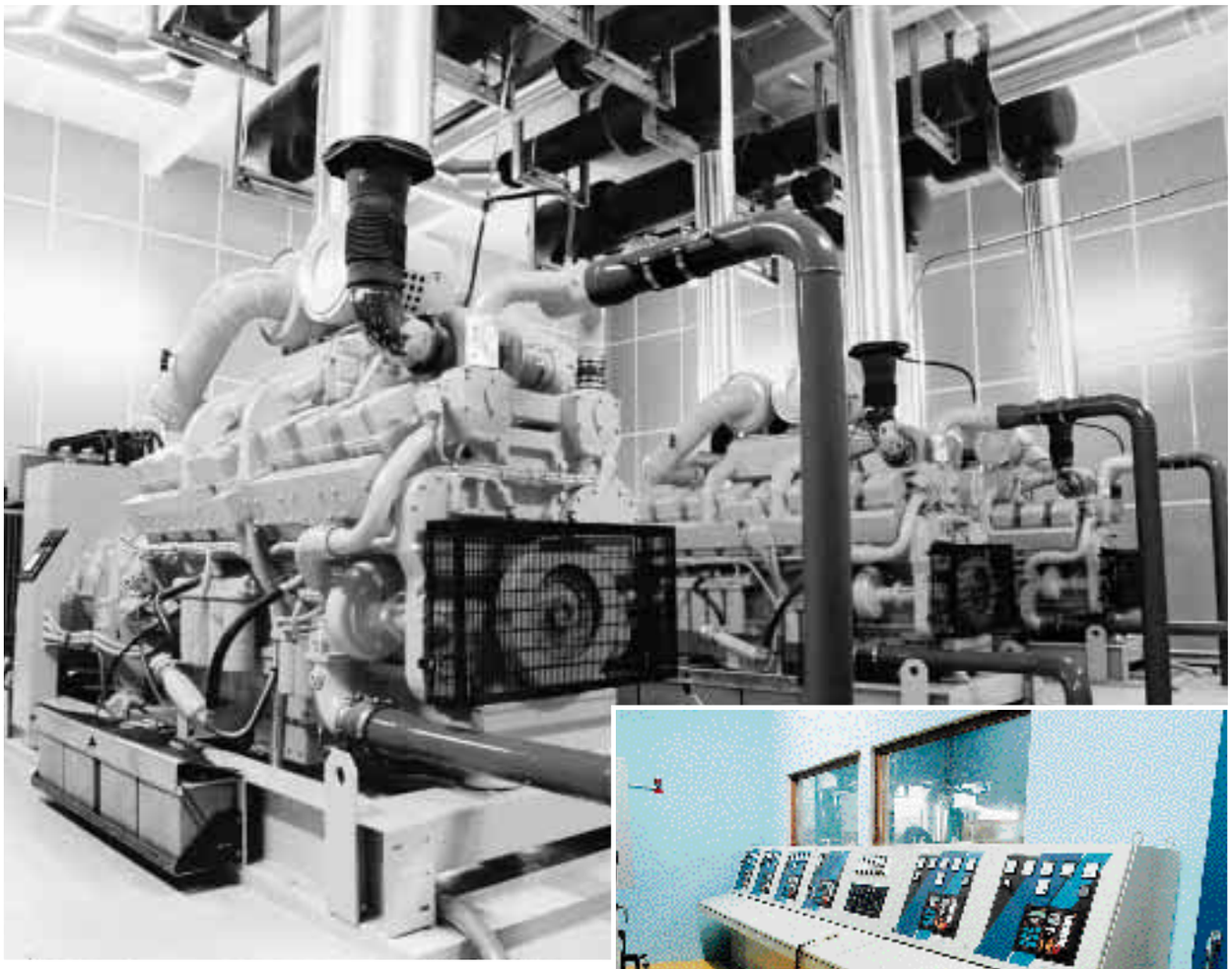
Type groupe *Genset type*	50Hz - 400/230V			Caractéristiques moteur / *Engine characteristics (50Hz)*										Type L x l x h *Alternator type*	Dimensions & Poids *Dimensions & Weight*		60Hz - 440/254V		
	kVA Cosφ 0.8 *P.F. 0.8*	kWe Cosφ 1.0 *P.F. 1.0*	Service *Duty* (1)	Consommation brute 3/4 (2) L/h	Consommation brute 4/4 L/h	kWm Type *Gross*	NOX engine *Emiss.* mg/Nm³	Cyl *Engine type*	mm *Cyl*	Alésage mm *Bore* mm	Course L *Stroke* mm	Cyl alternateur *S.V.* L			Poids *L x W x H* m	Cosφ 0.8 *Weight* kg	kVA Cosφ 1.0 *P.F. 0.8*	kWe *P.F. 1.0*	Service *Duty* (1)
MS 650	650	520	PRP	104	140	548	-	VTA 28 G5	V12	140	152	28.0	LSA 491 S4	3.74 x 1.45 x 2.02	5240	-	-	-	
MS 700 S	700	560	STBY	112	154	604	-	VTA 28 G5	V12	140	152	28.0	LSA 491 S4	3.74 x 1.45 x 2.02	5240	-	-	-	
MS 910	910	728	PRP	150	194	786	-	KTA 38 G3	V12	159	159	37.8	LSA 50 S3	4.21 x 1.78 x 2.32	7100	1010	808	PRP	
MS 1000 S	1000	800	STBY	165	215	875	-	KTA 38 G3	V12	159	159	37.8	LSA 50 S3	4.21 x 1.78 x 2.32	7100	1110	888	STBY	
MS 917 (B)	910	728	PRP	154	196	786	2000	KTA 38 G7	V12	159	159	37.8	LSA 50 S3	4.21 x 1.78 x 2.32	7100	-	-	-	
MS 1000	1000	800	PRP	161	209	860	-	KTA 38 G5	V12	159	159	37.8	LSA 50 S4	4.44 x 1.78 x 2.29	7320	-	-	-	
MS 1000 S	1100	880	STBY	177	228	950	-	KTA 38 G5	V12	159	159	37.8	LSA 50 S4	4.44 x 1.78 x 2.29	7320	-	-	-	
MS 1270	1270	1016	PRP	203	263	1075	-	KTA 50 G3	V16	159	159	50.3	LSA 50 L8	5.19 x 1.78 x 2.29	9007	1400	1120	PRP	
MS 1400 S	1400	1120	STBY	220	293	1205	-	KTA 50 G3	V16	159	159	50.3	LSA 50 L8	5.19 x 1.78 x 2.29	9007	1580	1264	STBY	
MS 1325	1325	1060	PRP	202	265	1171	-	KTTA 50 G2	V16	159	159	50.3	LSA 50 L8	5.19 x 1.78 x 2.29	9007	1455	1164	PRP	
MS 1460 S	1460	1162	STBY	230	270	1400	-	KTTA 50 G2	V16	159	159	50.3	LSA 50 L8	5.19 x 1.78 x 2.29	9428	1600	1280	STBY	
MS 1385	1385	1108	PRP	209	274	1171	-	KTTA 50 G2	V16	159	159	50.3	LSA 50 VL10	5.19 x 1.78 x 2.29	9428	1525	1220	PRP	
MS 1635 S	1635	1320	STBY	250	328	1400	-	KTTA 50 G2	V16	159	159	50.3	LSA 50 VL10	5.19 x 1.78 x 2.29	9428	1815	1452	STBY	

(1) NB concerning the ratings :
PRP : Prime Rating Power, continuous duty 24/24, variable load with a 10% overload permissible 1 hour every 12 hours.
STBY : Standby, standby duty limited at 500 hours per year under variable load without overload.
For the peak shaving application, use STBY except when constant load (PRP).
ISO 8528 : Ratings are given for a 25°C ambiant temperature. No derating for the engine up to 40°C. Alt 100m above sea level.

(B) Genset available only on special order, please caution to the delivery time.

SDMO Masters III

650 - 2500 kva



3x1000 kVA medium voltage power plant with paralleling

Sound-proofed control and management room

SDMO has developed its Project-Study Department which is responsible for providing customers with a complete range of services, from the design of hi-tech gensets and switchboards through to manufacture and installation. Our Service Department is based on a highly skilled network, providing the most efficient technical assistance, including remote management/maintenance options by telephone line (minitel).