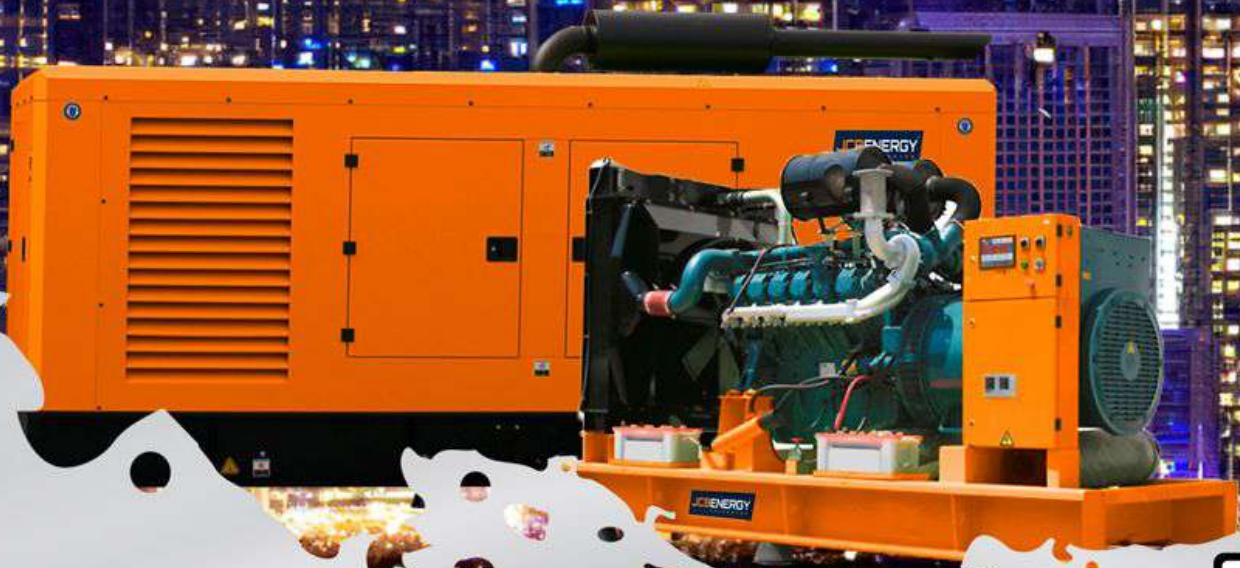


**JCBENERGY**<sup>®</sup>  
GENERATOR

**JDD SERIES**

**DOOSAN**



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# DIESEL GENERATORS -- JDD SERIES

**50 Hz**

GROUP		JDD 70	JDD 94	JDD 190	JDD 230
Stand By Power	kVA ( kWe ) A	70,0 [56,0] 101,2	94,0 [75,2] 135,8	190,0 [152,0] 274,6	230,0 [184,0] 332,4
Prime Power	kVA ( kWe ) A	63,6 [50,9] 92,0	85,5 [68,4] 123,5	172,7 [138,2] 249,6	209,1 [167,3] 302,2
Continuous Power	kVA ( kWe ) A	44,5 [35,6] 64,4	59,8 [47,9] 86,4	120,9 [96,7] 174,7	146,4 [117,1] 211,5
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50

ENGINE					
Make		DOOSAN	DOOSAN	DOOSAN	DOOSAN
Model		SP344CB	SP344CC	P086TI-1	P086TI
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Output (Standby)	(kWm)	61	81	164	199
Gross Engine Output (Prime)	(kWm)	56	73	149	177
Typical Generator Output (Standby)	(kVA)	70	93	191	231
Typical Generator Output (Prime)	(kVA)	64	84	173	206
Engine Type		4-Stroke, in-line 4 cylinder, water cooled, common rail direct injection		4-Cycle, in-line 6-Cylinder Diesel, water cooled, Turbo Charged & Intercooled	
Bore x Stroke	(mm)	98 x 113	98 x 113	111 x 139	111 x 139
Displacement	(liters)	3.4	3.4	8.071	8.071
Compression Ratio		16.8:1	16.8:1	16.4:1	16.4:1
Rotation		Clockwise viewed from the front	Clockwise viewed from the front	Counter clockwise viewed from Flywheel	Counter clockwise viewed from Flywheel
Firing Order		1-3-4-2	1-3-4-2	1-5-3-6-2-4	1-5-3-6-2-4
Fuel System		High Pressure	High Pressure	Doowon in-line "P" type	Doowon in-line "P" type
Governor		Common Rail	Common Rail	Electronic	Electronic
Governor Class		G3	G3	G3	G3
Fuel Consumption Prime- %110 Loaded		14,4	19,2	38,8	47,1
Fuel Consumption Prime- %100 Loaded		12,9	16,8	34,4	40,8
Fuel Consumption Prime - %75 Loaded		9,8	12,8	26,1	30,9
Fuel Consumption Prime - %50 Loaded		7,0	9,2	18,7	22,2

Alternator Specifications					
Output Power	kVa	65,0	91,0	182,0	214,0
Output Power	kW	52,0	72,8	145,6	171,2
Insulation Class		H	H	H	H
AVR Model		SX460	SX460	SX460	SX460
Air Flow	(m³/sec)	0.216	0.216	0.514	0.514
Voltage Regulation		±1	±1	±1	±1

DIMENSIONS					
Width, Open [Canopy]	[mm]	700 [1000]	700 [1000]	900 [1140]	900 [1140]
Length, Open [Canopy]	[mm]	1700 [2700]	1900 [3000]	2400 [3650]	2400 [3650]
Height, Open [Canopy]	[mm]	1562 [1190]	1562 [1380]	1549 [1900]	1549 [1900]
Weight, Open [Canopy]	[kg]	877 [1010]	1024 [1200]	1328 [1690]	1450 [1810]
Fuel Tank Capacity	L	134[100]	161 [223]	256[678]	256[678]

GROUP		JDD 255	JDD 300	JDD 345	JDD 410
Stand By Power	kVA ( kWe ) A	255,0 [204,0] 368,5	300,0 [240,0] 433,5	345,0 [276,0] 498,6	410,0 [328,0] 592,5
Prime Power	kVA ( kWe ) A	231,8 [185,5] 335,0	272,7 [218,2] 394,1	313,6 [250,9] 453,2	372,7 [298,2] 538,6
Continuous Power	kVA ( kWe ) A	162,3 [129,8] 234,5	190,9 [152,7] 275,9	219,5 [175,6] 317,3	260,9 [208,7] 377,0
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50

**ENGINE**

Make		DOOSAN	DOOSAN	DOOSAN	DOOSAN
Model		DP086LA	P126TI	P126TI-II	DP126LB
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Output (Standby)	(kWm)	224	272	294	362
Gross Engine Output (Prime)	(kWm)	201	241	265	327
Typical Generator Output (Standby)	(kVA)	260	316	342	425
Typical Generator Output (Prime)	(kVA)	234	280	308	384
Engine Type		4-Cycle, in-line 6-Cylinder Diesel, water cooled, Turbo Charged & Intercooled			
Bore x Stroke	(mm)	111 x 139	123 x 155	123 x 155	123 x 155
Displacement	(liters)	8.071	11.051	11.051	11.051
Compression Ratio		16.7:1	17.1:1	17.1:1	17.2:1
Rotation		Counter clockwise viewed from Flywheel	Counter clockwise viewed from Flywheel	Counter clockwise viewed from Flywheel	Counter clockwise viewed from Flywheel
Firing Order		1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4
Fuel System		Wuxi-Weifu in-line pump	Zexel in-line "P" type	Zexel in-line "P" type	Wuxi-Weifu in-line "P" type
Governor		Electronic	Electronic	Electronic	Electronic
Governor Class		G3	G3	G3	G3
Fuel Consumption Prime- %110 Loaded		53,0	64,4	69,6	85,7
Fuel Consumption Prime- %100 Loaded		46,4	55,6	61,2	75,5
Fuel Consumption Prime - %75 Loaded		35,1	42,1	46,3	57,2
Fuel Consumption Prime - %50 Loaded		25,2	30,2	33,2	41,0

**Alternator Specifications**

Output Power	kVa	232,0	273,0	318,0	373
Output Power	kW	185,6	218,4	254,4	298,4
Insulation Class		H	H	H	H
AVR Model		SX460	AS440	AS440	SX440
Air Flow	(m <sup>3</sup> /sec)	0,514	0,514	0,514	0,8
Voltage Regulation		±1	±1	±1	±1

**DIMENSIONS**

Width, Open [Canopy]	[mm]	900 [1140]	1100 [1140]	1100 [1140]	1100 [1140]
Length, Open [Canopy]	[mm]	2400 [3650]	3095 [4100]	3095 [4100]	3254 [4100]
Height, Open [Canopy]	[mm]	1549 [1900]	1782 [1900]	1782 [1900]	1782 [1900]
Weight, Open [Canopy]	[kg]	1450 [1810]	2159 [2600]	2163 [2600]	2353 [2790]
Fuel Tank Capacity	L	256[678]	475[678]	475[678]	475[678]

GROUP		JDD 490	JDD 515	JDD 600
Stand By Power	kVA ( kWe) A	490,0 [392,0] 708,1	515,0 [412,0] 744,2	600,0 [480,0] 867,1
Prime Power	kVA ( kWe) A	445,5 [356,4] 643,7	468,2 [374,5] 676,6	545,5 [436,4] 788,2
Continuous Power	kVA ( kWe) A	311,8 [249,5] 450,6	327,7 [262,2] 473,6	381,8 [305,5] 551,8
Power Factor	CosQ	0,8	0,8	0,8
Frequency	Hz	50	50	50

## ENGINE

Make		DOOSAN	DOOSAN	DOOSAN
Model		P158LE	DPI58LC	DP158LD
Speed	(RPM)	1500	1500	1500
Gross Engine Output (Standby)	(kWm)	414	449	510
Gross Engine Output (Prime)	(kWm)	363	408	464
Typical Generator Output (Standby)	(kVA)	486	528	599
Typical Generator Output (Prime)	(kVA)	427	479	545
Engine Type		4-Cycle, V-Type, 8-Cylinder Diesel, water cooled, Turbo Charged & Intercooled		
Bore x Stroke	(mm)	128 x 142	128 x 142	128 x 142
Displacement	(liters)	14.618	14.618	14.618
Compression Ratio		15:1	15:1	15:1
Rotation		Counter clockwise viewed from Flywheel		
Firing Order		1-5-7-2-6-3-4-8	1-5-7-2-6-3-4-8	1-5-7-2-6-3-4-8
Fuel System		Bosch in-line "P" type	Bosch in-line "P" type	Bosch in-line "P" type
Governor		Electronic	Electronic	Electronic
Governor Class		G3	G3	G3
Fuel Consumption Prime- %110 Loaded		98,0	106,3	120,7
Fuel Consumption Prime- %100 Loaded		83,8	94,2	107,1
Fuel Consumption Prime - %75 Loaded		63,5	71,3	81,1
Fuel Consumption Prime - %50 Loaded		45,5	51,2	58,2

## Alternator Specifications

Output Power	kVa	468,0	468,0	555,0
Output Power	kW	374,4	374,4	444,0
Insulation Class		H	H	H
AVR Model		SX440	SX440	SX440
Air Flow	(m <sup>3</sup> /sec)	0,8	0,8	0,8
Voltage Regulation		±1	±1	±1

## DIMENSIONS

Width, Open [Canopy]	[mm]	1400 [1646]	1400 [1646]	1400 [1646]
Length, Open [Canopy]	[mm]	3311 [4632]	3311 [4632]	3311 [4632]
Height, Open [Canopy]	[mm]	1980 [2641]	1980 [2641]	1980 [2641]
Weight, Open [Canopy]	[kg]	3386 [4240]	3386 [4240]	3386 [4240]
Fuel Tank Capacity	L	1066 [400]	1066 [400]	1066 [400]

GROUP		JDD 650	JDD 720	JDD 770
Stand By Power	kVA ( kWe) A	650,0 [520,0] 939,3	720,0 [576,0] 1.040,5	770,0 [616,0] 1.112,7
Prime Power	kVA ( kWe) A	590,9 [472,7] 853,9	654,5 [523,6] 945,9	700,0 [560,0] 1.011,6
Continuous Power	kVA ( kWe) A	413,6 [330,9] 597,7	458,2 [366,5] 662,1	490,0 [392,0] 708,1
Power Factor	CosQ	0,8	0,8	0,8
Frequency	Hz	50	50	50

### ENGINE

Make		DOOSAN	DOOSAN	DOOSAN
Model		DP180LA	DPI80LB	DP222LB
Speed	(RPM)	1500	1500	1500
Gross Engine Output (Standby)	(kWm)	552	612	664
Gross Engine Output (Prime)	(kWm)	502	556	604
Typical Generator Output (Standby)	(kVA)	649	719	780
Typical Generator Output (Prime)	(kVA)	590	653	710
Engine Type		4-Cycle, V-Type, 10-Cylinder Diesel, water cooled, Turbo Charged & Intercooled		
Bore x Stroke	(mm)	128 x 142 mm	128 x 142	128 x 142
Displacement	(liters)	18.273 liters	18.273	21.927
Compression Ratio		15:1	15:1	15:1
Rotation		Counter clockwise viewed from Flywheel		
Firing Order		1-6-5-10-2-7-3-8-4-9	1-6-5-10-2-7-3-8-4-9	1-12-5-8-3-10-6-7-2-11-4-9
Fuel System		Bosch in-line "P" type	Bosch in-line "P" type	Bosch in-line "P" type
Governor		Electronic	Electronic	Electronic
Governor Class		G3	G3	G3
Fuel Consumption Prime- %110 Loaded		130,7	144,9	157,2
Fuel Consumption Prime- %100 Loaded		115,8	128,3	139,4
Fuel Consumption Prime - %75 Loaded		87,8	97,2	105,6
Fuel Consumption Prime - %50 Loaded		63,0	69,7	75,8

### Alternator Specifications

Output Power	kVa	600,0	659,0	700,0
Output Power	kW	480,0	527,2	560,0
Insulation Class		H	H	H
AVR Model		SX440	SX440	SX440
Air Flow	(m <sup>3</sup> /sec)	1,035	1,035	1,035
Voltage Regulation		±1	±1	±1

### DIMENSIONS

Width, Open [Canopy]	[mm]	1400 [1646]	1400 [1646]	1400 [1646]
Length, Open [Canopy]	[mm]	3311 [4632]	3311 [4632]	3311 [4632]
Height, Open [Canopy]	[mm]	1980 [2641]	1980 [2641]	1980 [2641]
Weight, Open [Canopy]	[kg]	3386 [4240]	3386 [4240]	3476 [4320]
Fuel Tank Capacity	L	1066 [400]	1066 [400]	1066 [400]

GROUP		JDD 850	JDD 930	JDD 1025
Stand By Power	kVA (kWe) A	850,0 [680,0] 1.228,3	930,0 [744,0] 1.343,9	1.025,0 [820,0] 1.481,2
Prime Power	kVA (kWe) A	772,7 [618,2] 1.116,7	845,5 [676,4] 1.221,8	931,8 [745,5] 1.346,6
Continuous Power	kVA (kWe) A	540,9 [432,7] 781,7	591,8 [473,5] 855,2	652,3 [521,8] 942,6
Power Factor	CosQ	0,8	0,8	0,8
Frequency	Hz	50	50	50
<b>ENGINE</b>				
Make		DOOSAN	DOOSAN	DOOSAN
Model		DP222LC	DP222CB	DP222CC
Speed	(RPM)	1500	1500	1500
Gross Engine Output (Standby)	(kWm)	723	790	875
Gross Engine Output (Prime)	(kWm)	657	705	790
Typical Generator Output (Standby)	(kVA)	850	928	1028
Typical Generator Output (Prime)	(kVA)	772	828	928
Engine Type		4-Cycle, V-Type, 12-Cylinder Diesel, water cooled, Turbo Charged & Intercooled		
Bore x Stroke	(mm)	128 x 142	128 x 142	128 x 142
Displacement	(liters)	21.927	21.927	21.927
Compression Ratio		15:1	14.6:1	14.6:1
Rotation		Counter clockwise viewed from Flywheel		
Firing Order		1-12-5-8-3-10-6-7-2-11-4-9	1-6-5-10-2-7-3-8-4-9	1-12-5-8-3-10-6-7-2-11-4-9
Fuel System		Bosch in-line "P" type	Bosch Common Rail	Bosch Common Rail
Governor		Electronic	ECU	ECU
Governor Class		G3	G3	G3
Fuel Consumption Prime- %110 Loaded		171,1	187,0	207,1
Fuel Consumption Prime- %100 Loaded		151,6	162,7	182,3
Fuel Consumption Prime - %75 Loaded		114,9	123,3	138,1
Fuel Consumption Prime - %50 Loaded		82,4	88,4	99,1
<b>Alternator Specifications</b>				
Output Power	kVa	773,0	773,0	909,0
Output Power	kW	618,4	618,4	727,2
Insulation Class		H	H	H
AVR Model		MX341+PMG	MX341+PMG	MX341+PMG
Air Flow	(m <sup>3</sup> /sec)	1.035	1.035	1.614
Voltage Regulation		±1	±1	±1
<b>DIMENSIONS</b>				
Width, Open [Canopy]	[mm]	1400 [1942]	1400 [1942]	1400 [1942]
Length, Open [Canopy]	[mm]	4000 [5166]	4000 [5166]	4000 [5166]
Height, Open [Canopy]	[mm]	2188 [2920]	2188 [2920]	2188 [2920]
Weight, Open [Canopy]	[kg]	4250 [5540]	4250 [5540]	4580 [5870]
Fuel Tank Capacity	L	1193[530]	1193[530]	1193[530]

GROUP		JDD 85	JDD 106	JDD 220	JDD 258
Stand By Power	kVA ( kWe ) A	85,0 [68,0] 122,8	106,0 [84,8] 153,2	220,0 [176,0] 317,9	258,0 [206,4] 372,8
Prime Power	kVA ( kWe ) A	77,3 [61,8] 111,7	96,4 [77,1] 139,3	200,0 [160,0] 289,0	234,5 [187,6] 338,9
Continuous Power	kVA ( kWe ) A	54,1 [43,3] 78,2	67,5 [54,0] 97,5	140,0 [112,0] 202,3	164,2 [131,3] 237,3
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	60	60	60	60

**ENGINE**

Make		DOOSAN	DOOSAN	DOOSAN	DOOSAN
Model		SP344CB	SP344CC	P086TI-1	P086TI
Speed	(RPM)	1800	1800	1800	1800
Gross Engine Output (Standby)	(kWm)	74	92	191	223
Gross Engine Output (Prime)	(kWm)	67	83	174	205
Typical Generator Output (Standby)	(kVA)	85	106	222	259
Typical Generator Output (Prime)	(kVA)	77	95	202	238
Engine Type		4-Stroke, in-line 4 cylinder, water cooled, common rail direct injection		4-Cycle, in-line 6-Cylinder Diesel, water cooled, Turbo Charged & Intercooled	
Bore x Stroke	(mm)	98 x 113	98 x 113	111 x 139	111 x 139
Displacement	(liters)	3.4	3.4	8.071	8.071
Compression Ratio		16.8:1	16.8:1	16.4:1	16.4:1
Rotation		Clockwise viewed from the front	Clockwise viewed from the front	Counter clockwise viewed from Flywheel	Counter clockwise viewed from Flywheel
Firing Order		1-3-4-2	1-3-4-2	1-5-3-6-2-4	1-5-3-6-2-4
Fuel System		High Pressure	High Pressure	Doowon in-line "P" type	Doowon in-line "P" type
Governor		Common Rail	Common Rail	Electronic	Electronic
Governor Class		G3	G3	G3	G3
Fuel Consumption Prime- %110 Loaded		17,5	21,8	45,2	52,8
Fuel Consumption Prime- %100 Loaded		15,5	19,2	40,2	47,3
Fuel Consumption Prime - %75 Loaded		11,7	14,5	30,4	35,8
Fuel Consumption Prime - %50 Loaded		8,4	10,4	21,8	25,7

**Alternator Specifications**

Output Power	kVa	85,0	114,0	204,0	275,0
Output Power	kW	68,0	91,0	163,0	220,0
Insulation Class		H	H	H	H
AVR Model		SX460	SX460	SX460	SX460
Air Flow	(m³/sec)	0.216	0,216	0,514	0,514
Voltage Regulation		±1	±1	±1	±1

**DIMENSIONS**

Width, Open [Canopy]	[mm]	700 [1000]	700 [1000]	900 [1140]	900 [1140]
Length, Open [Canopy]	[mm]	1700 [2700]	1900 [3000]	2400 [3650]	2400 [3650]
Height, Open [Canopy]	[mm]	1562 [1190]	1562 [1380]	1549 [1900]	1549 [1900]
Weight, Open [Canopy]	[kg]	877 [1010]	1024 [1200]	1328 [1690]	1450 [1810]
Fuel Tank Capacity	L	134[100]	161 [223]	256[678]	256[678]

GROUP		JDD 295	JDD 346	JDD 400	JDD 475
Stand By Power	kVA ( kWe ) A	295,0 [236,0] 426,3	346,0 [276,8] 500,0	400,0 [320,0] 578,0	475,0 [380,0] 686,4
Prime Power	kVA ( kWe ) A	268,2 [214,5] 387,5	314,5 [251,6] 454,5	363,6 [290,9] 525,5	431,8 [345,5] 624,0
Continuous Power	kVA ( kWe ) A	187,7 [150,2] 271,3	220,2 [176,1] 318,2	254,5 [203,6] 367,8	302,3 [241,8] 436,8
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	60	60	60	60

**ENGINE**

Make		DOOSAN	DOOSAN	DOOSAN	DOOSAN
Model		DP086LA	PI26TI	P126TI-II	DP126LB
Speed	(RPM)	1800	1800	1800	1800
Gross Engine Output (Standby)	(kWm)	253	298	342	402
Gross Engine Output (Prime)	(kWm)	228	278	307	366
Typical Generator Output (Standby)	(kVA)	294	346	398	472
Typical Generator Output (Prime)	(kVA)	265	323	357	430
Engine Type		4-Cycle, in-line 6-Cylinder Diesel, water cooled, Turbo Charged & Intercooled			
Bore x Stroke	(mm)	111 x 139	123 x 155	123 x 155	123 x 155
Displacement	(liters)	8.071	11.051	11.051	11.051
Compression Ratio		16.7:1	17.1:1	17.1:1	17.2:1
Rotation		Counter clockwise viewed from Flywheel	Counter clockwise viewed from Flywheel	Counter clockwise viewed from Flywheel	Counter clockwise viewed from Flywheel
Firing Order		1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4
Fuel System		Wuxi-Weifu in-line pump	Zexel in-line "P" type	Zexel in-line "P" type	Wuxi-Weifu in-line "P" type
Governor		Electronic	Electronic	Electronic	Electronic
Governor Class		G3	G3	G3	G3
Fuel Consumption Prime- %110 Loaded		59,9	70,5	80,9	95,1
Fuel Consumption Prime- %100 Loaded		52,6	64,2	70,8	84,5
Fuel Consumption Prime - %75 Loaded		39,9	48,6	53,7	64,0
Fuel Consumption Prime - %50 Loaded		28,6	34,9	38,5	45,9

**Alternator Specifications**

Output Power	kVa	298,0	356,0	398,0	466,0
Output Power	kW	238,4	285,0	318,4	372,8
Insulation Class		H	H	H	H
AVR Model		SX460	AS440	AS440	SX440
Air Flow	(m³/sec)	0,514	0,514	0,514	0,8
Voltage Regulation		±1	±1	±1	±1

**DIMENSIONS**

Width, Open [Canopy]	[mm]	900 [1140]	1100 [1140]	1100 [1140]	1100 [1140]
Length, Open [Canopy]	[mm]	2400 [3650]	3095 [4100]	3095 [4100]	3254 [4100]
Height, Open [Canopy]	[mm]	1549 [1900]	1782 [1900]	1782 [1900]	1782 [1900]
Weight, Open [Canopy]	[kg]	1450 [1810]	2159 [2600]	2163 [2600]	2353 [2790]
Fuel Tank Capacity	L	256[678]	475[678]	475[678]	475[678]



GROUP		JDD 540	JDD 603	JDD 655
Stand By Power	kVA ( kWe ) A	540,0 [432,0] 780,0	603,0 [482,4] 871,4	655,0 [524,0] 946,5
Prime Power	kVA ( kWe ) A	490,9 [392,7] 709,4	548,2 [438,5] 792,2	595,5 [476,4] 860,5
Continuous Power	kVA ( kWe ) A	343,6 [274,9] 496,6	383,7 [307,0] 554,5	416,8 [333,5] 602,3
Power Factor	CosQ	0,8	0,8	0,8
Frequency	Hz	60	60	60
ENGINE				
Make		DOOSAN	DOOSAN	DOOSAN
Model		PI58LE	DPI58LC	DP158LD
Speed	(RPM)	1800	1800	1800
Gross Engine Output (Standby)	(kWm)	458	513	556
Gross Engine Output (Prime)	(kWm)	402	466	505
Typical Generator Output (Standby)	(kVA)	538	603	653
Typical Generator Output (Prime)	(kVA)	472	548	593
Engine Type		4-Cycle, V-Type, 8-Cylinder Diesel, water cooled, Turbo Charged & Intercooled		
Bore x Stroke	(mm)	128 x 142	128 x 142	128 x 142
Displacement	(liters)	14.618	14.618	14.618
Compression Ratio		15:1	15:1	15:1
Rotation		Counter clockwise viewed from Flywheel		
Firing Order		1-5-7-2-6-3-4-8	1-5-7-2-6-3-4-8	1-5-7-2-6-3-4-8
Fuel System		Bosch in-line "P" type	Bosch in-line "P" type	Bosch in-line "P" type
Governor		Electronic	Electronic	Electronic
Governor Class		G3	G3	G3
Fuel Consumption Prime- %110 Loaded		108,4	121,4	131,6
Fuel Consumption Prime- %100 Loaded		92,8	107,5	116,5
Fuel Consumption Prime - %75 Loaded		70,3	81,5	88,3
Fuel Consumption Prime - %50 Loaded		50,4	58,5	63,3
Alternator Specifications				
Output Power	kVa	527,0	585,0	643,0
Output Power	kW	421,6	468,0	514,0
Insulation Class		H	H	H
AVR Model		SX440	SX440	SX440
Air Flow	(m <sup>3</sup> /sec)	0,8	0,8	0,8
Voltage Regulation		±1	±1	±1
DIMENSIONS				
Width, Open [Canopy]	[mm]	1400 [1646]	1400 [1646]	1400 [1646]
Length, Open [Canopy]	[mm]	3311 [4632]	3311 [4632]	3311 [4632]
Height, Open [Canopy]	[mm]	1980 [2641]	1980 [2641]	1980 [2641]
Weight, Open [Canopy]	[kg]	3386 [4240]	3386 [4240]	3386 [4240]
Fuel Tank Capacity	L	1066 [400]	1066 [400]	1066 [400]

GROUP		JDD 725	JDD 780	JDD 920
Stand By Power	kVA (kWe) A	725,0 [580,0] 1.047,7	780,0 [624,0] 1.127,2	920,0 [736,0] 1.329,5
Prime Power	kVA (kWe) A	659,1 [527,3] 952,4	709,1 [567,3] 1.024,7	836,4 [669,1] 1.208,6
Continuous Power	kVA (kWe) A	431,4 [369,1] 666,7	496,4 [397,1] 717,3	585,5 [468,4] 846,0
Power Factor	CosQ	0,8	0,8	0,8
Frequency	Hz	60	60	60

**ENGINE**

Make		DOOSAN	DOOSAN	DOOSAN
Model		DP180LA	DPI80LB	DP222LB
Speed	(RPM)	1800	1800	1800
Gross Engine Output (Standby)	(kWm)	615	661	782
Gross Engine Output (Prime)	(kWm)	559	601	711
Typical Generator Output (Standby)	(kVA)	723	777	919
Typical Generator Output (Prime)	(kVA)	657	706	835
Engine Type		4-Cycle, V-Type, 10-Cylinder Diesel, water cooled, Turbo Charged & Intercooled		
Bore x Stroke	(mm)	128 x 142 mm	128 x 142	128 x 142
Displacement	(liters)	18.273 liters	18.273	21.927
Compression Ratio		15:1	15:1	15:1
Rotation		Counter clockwise viewed from Flywheel		
Firing Order		1-6-5-10-2-7-3-8-4-9	1-6-5-10-2-7-3-8-4-9	1-12-5-8-3-10-6-7-2-11-4-9
Fuel System		Bosch in-line "P" type	Bosch in-line "P" type	Bosch in-line "P" type
Governor		Electronic	Electronic	Electronic
Governor Class		G3	G3	G3
Fuel Consumption Prime- %110 Loaded		145,6	156,4	185,1
Fuel Consumption Prime- %100 Loaded		129,0	138,7	164,1
Fuel Consumption Prime - %75 Loaded		97,7	105,1	124,3
Fuel Consumption Prime - %50 Loaded		70,1	15,4	89,2

**Alternator Specifications**

Output Power	kVa	733,0	747,6	875,0
Output Power	kW	586,4	598,1	700,0
Insulation Class		H	H	H
AVR Model		SX440	SX440	SX440
Air Flow	(m <sup>3</sup> /sec)	1,035	1,035	1,035
Voltage Regulation		±1	±1	±1

**DIMENSIONS**

Width, Open [Canopy]	[mm]	1400 [1646]	1400 [1646]	1400 [1646]
Length, Open [Canopy]	[mm]	3311 [4632]	3311 [4632]	3311 [4632]
Height, Open [Canopy]	[mm]	1980 [2641]	1980 [2641]	1980 [2641]
Weight, Open [Canopy]	[kg]	3386 [4240]	3386 [4240]	3476 [4320]
Fuel Tank Capacity	L	1066 [400]	1066 [400]	1066 [400]

GROUP		JDD 975	JDD 1060	JDD 1170
Stand By Power	kVA (kWe) A	975,0 [780,0] 1.409,0	1.060,0 [848,0] 1.531,8	1.170,0 [936,0] 1.690,8
Prime Power	kVA (kWe) A	886,4 [709,1] 1.280,9	963,6 [770,9] 1.392,5	1.063,6 [850,9] 1.537,0
Continuous Power	kVA (kWe) A	620,5 [496,4] 896,6	674,5 [539,6] 974,8	744,5 [595,6] 1.075,9
Power Factor	CosQ	0,8	0,8	0,8
Frequency	Hz	60	60	60
ENGINE				
Make		DOOSAN	DOOSAN	DOOSAN
Model		DP222LC	DP222CB	DP222CC
Speed	(RPM)	1800	1800	1800
Gross Engine Output (Standby)	(kWm)	828	900	995
Gross Engine Output (Prime)	(kWm)	753	810	900
Typical Generator Output (Standby)	(kVA)	973	1058	1169
Typical Generator Output (Prime)	(kVA)	885	952	1058
Engine Type		4-Cycle, V-Type, 12-Cylinder Diesel, water cooled, Turbo Charged & Intercooled		
Bore x Stroke	(mm)	128 x 142	128 x 142	128 x 142
Displacement	(liters)	21.927	21.927	21.927
Compression Ratio		15:1	14.6:1	14.6:1
Rotation		Counter clockwise viewed from Flywheel		
Firing Order		1-12-5-8-3-10-6-7-2-11-4-9	1-6-5-10-2-7-3-8-4-9	1-12-5-8-3-10-6-7-2-11-4-9
Fuel System		Bosch in-line "P" type	Bosch Common Rail	Bosch Common Rail
Governor		Electronic	ECU	ECU
Governor Class		G3	G3	G3
Fuel Consumption Prime- %110 Loaded		196,0	213,0	235,5
Fuel Consumption Prime- %100 Loaded		173,8	186,9	207,7
Fuel Consumption Prime - %75 Loaded		131,7	141,6	157,4
Fuel Consumption Prime - %50 Loaded		94,5	101,6	112,9
Alternator Specifications				
Output Power	kVa	938,0	1047,0	1137,0
Output Power	kW	750,0	837,6	909,6
Insulation Class		H	H	H
AVR Model		MX341+PMG	MX341+PMG	MX341+PMG
Air Flow	(m³/sec)	1.035	1.035	1.614
Voltage Regulation		±1	±1	±1
DIMENSIONS				
Width, Open [Canopy]	[mm]	1400 [1942]	1400 [1942]	1400 [1942]
Length, Open [Canopy]	[mm]	4000 [5166]	4000 [5166]	4000 [5166]
Height, Open [Canopy]	[mm]	2188 [2920]	2188 [2920]	2188 [2920]
Weight, Open [Canopy]	[kg]	4250 [5540]	4250 [5540]	4580 [5870]
Fuel Tank Capacity	L	1193[530]	1193[530]	1193[530]



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