



# DIESEL GENERATORS -- JCC SERIES

GROUP		JCC 28	JCC 38	JCC 115	JCC 155
Stand By Power	kVA ( kWe ) A	28,0 [22,4] 40,5	38,0 [30,4] 54,9	115,0 [92,0] 166,2	155,0 [124,0] 224,0
Prime Power	kVA ( kWe ) A	25,5 [20,4] 36,8	34,5 [27,6] 49,9	104,5 [83,6] 151,1	140,9 [112,7] 203,6
Continuous Power	kVA ( kWe ) A	17,8 [14,3] 25,7	24,2 [19,3] 34,9	73,2 [58,5] 105,8	98,6 [78,9] 142,5
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
ENGINE					
Make		CUMMINS	CUMMINS	CUMMINS	CUMMINS
Model		X2.5G2	X3.3G1	X3.3G1	S3.8G7
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	27,0	36,0	102,0	145,0
Net Engine Power	(kW)	26,0	35,1	98,0	141,0
Number of Cylinder		3	4	6	6
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Non-Regulated	Non-Regulated	Non-Regulated	Non-Regulated
Aspiration		Naturally	Naturally	Turbocharged &Aftercooled	Turbocharged &Aftercooled
Governing Type		Mechanic/Electronic	Mechanic/Electronic	Electronic	Electronic
Displacement	[L]	2,5	3,3	5,9	5,9
Bore and Stroke	[mm]	91,7 x 127	91,4 x 127	102 x 120	102 x 120
Compression Ratio		18.5:1	18.5:1	17.6:1	16.5:1
Electric System	[V]	12	12	12	12
Fuel Consumption Prime-%50 Loaded	[L/h]	3,1	4,2	11,8	16,9
Fuel Consumption Prime-% 75 Loaded	[L/h]	4,7	6,3	17,6	25,4
Fuel Consumption Prime-% 100 Loaded	[L/h]	5,7	7,7	21,4	30,8
Fuel Consumption Standby-%100 Loaded	[L/h]	6,2	8,4	23,5	33,8
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	58 [40]	58 [40]	161 [205]	190 [376]
ALTERNATOR					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	27	35	109	141
Overspeed	2U+1000V	2250	2250	2250	2250
Insulation Class		H	H	H	H
Ingress Protection Rating		IP-23	IP-23	IP-23	IP-23
Voltage		231 / 400 V	231 / 400 V	231 / 400 V	231 / 400 V
Voltage Regulation		±1	±1	±1	±1
DIMENSIONS					
Width, Open [Canopy]	[mm]	619 [942]	619 [942]	700 [1042]	800 [1153]
Length, Open [Canopy]	[mm]	1400 [1916]	1400 [1916]	1900 [2615]	2150 [2971]
Height, Open [Canopy]	[mm]	1329 [1444]	1329 [1444]	1562 [1766]	1549[2027]
Weight, Open [Canopy]	[kg]	557 [710]	585 [740]	1067 [1240]	1217 [1620]

GROUP		JCC 175	JCC 235	JCC 300	JCC 330
Stand By Power	kVA ( kWe ) A	175,0 [140,0] 252,9	235,0 [188,0] 339,6	300,0 [240,0] 433,5	330,0 [264,0] 476,9
Prime Power	kVA ( kWe ) A	159,1 [127,3] 229,9	213,6 [170,9] 308,7	272,7 [218,2] 394,1	300,0 [240,0] 433,5
Continuous Power	kVA ( kWe ) A	111,4 [89,1] 160,9	149,5 [119,6] 216,1	190,9 [152,7] 275,9	210,0 [168,0] 303,5
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50

### ENGINE

Make		CUMMINS	CUMMINS	CUMMINS	CUMMINS
Model		6BTAA5.9G7	QSB7G5	6LTAA.9.5G3	QSL9G5
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	160,0	213,0	276,0	310,0
Net Engine Power	(kW)	156,0	197,0	260,0	297,0
Number of Cylinder		6	6	6	6
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Non-Regulated	Tier 3	Non-Regulated	Tier 3
Aspiration		Turbocharged &Aftercooled	Turbocharged &Aftercooled	Turbocharged &Aftercooled	Turbocharged &Aftercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	5,9	6,69	9,5	8,8
Bore and Stroke	[mm]	102 x 120	107 x 124	116 x 148	114 x 145
Compression Ratio		16.5:1	16.8:1	16,5:1	16.8:1
Electric System	[V]	12	24	24	24
Fuel Consumption Prime-%50 Loaded	[L/h]	18,7	21,7	28,6	32,7
Fuel Consumption Prime-% 75 Loaded	[L/h]	28,1	32,5	42,9	49,0
Fuel Consumption Prime-% 100 Loaded	[L/h]	34,0	39,4	51,7	59,4
Fuel Consumption Standby-%100 Loaded	[L/h]	37,4	43,3	57,2	65,3
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	256 [376]	256 [376]	475 [673]	190 [376]

### ALTERNATOR

Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	159,0	214,0	273,0	318,0
Overspeed	2U+1000V	2250	2250	2250	2250
Insulation Class		H	H	H	H
Ingress Protection Rating		IP-23	IP-23	IP-23	IP-23
Voltage		231 / 400 V	231 / 400 V	231 / 400 V	231 / 400 V
Voltage Regulation		±1	±1	±1	±1

### DIMENSIONS

Width, Open [Canopy]	[mm]	900 [1153]	900 [1153]	1100 [1179]	1100 [1179]
Length, Open [Canopy]	[mm]	2400 [2971]	2400 [2971]	3095 [3921]	3095 [3921]
Height, Open [Canopy]	[mm]	1549 [2027]	1549 [2027]	1782 [2498]	1782 [2498]
Weight, Open [Canopy]	[kg]	1317 [1670]	1450 [1810]	2159 [2600]	2163 [2600]

# DIESEL GENERATORS -- JCC SERIES

GROUP		JCC 350	JCC 450	JCC 565	JCC 725
Stand By Power	kVA ( kWe ) A	350,0 [280,0] 505,8	450,0 [360,0] 650,3	565,0 [452,0] 816,5	725,0 [580,0] 1.047,7
Prime Power	kVA ( kWe ) A	318,2 [254,5] 459,8	409,1 [327,3] 591,2	513,6 [410,9] 742,2	659,1 [527,3] 952,4
Continuous Power	kVA ( kWe ) A	222,7 [178,2] 321,9	286,4 [229,1] 413,8	359,5 [287,6] 519,6	461,4 [369,1] 666,7
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
ENGINE					
Make		CUMMINS	CUMMINS	CUMMINS	CUMMINS
Model		6LTAA5.9G1	QSG12G2	QSX15G8	VTA28G5
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	320,0	407,0	500,0	622,0
Net Engine Power	(kW)	300,0	385,0	477,0	606,0
Number of Cylinder		6	6	6	12
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	40°Vee
Emission		Non-Regulated	Tier 2	Tier 2	Non-Regulated
Aspiration		Turbocharged &Aftercooled	Turbocharged &Aftercooled	Turbocharged &Aftercooled	Turbocharged &Aftercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	9,5	15	15	28
Bore and Stroke	[mm]	116 x 148	137 x 169	137 x 169	140 x 152
Compression Ratio		16.5:1	17:1	17:1	13.1:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime-%50 Loaded	[L/h]	33,0	42,4	52,5	60,6
Fuel Consumption Prime-% 75 Loaded	[L/h]	49,5	63,5	78,7	90,9
Fuel Consumption Prime-% 100 Loaded	[L/h]	60,0	77,0	95,4	110,2
Fuel Consumption Standby-%100 Loaded	[L/h]	66,0	84,7	104,9	121,2
Fuel Tank Capacity, w/o Canopy (Canopy)	[lit]	475 [673]	475 [673]	475 [673]	673 [400]
ALTERNATOR					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	318,0	409,0	514,0	659,0
Overspeed	2U+1000V	2250	2250	2250	2250
Insulation Class		H	H	H	H
Ingress Protection Rating		IP-23	IP-23	IP-23	IP-23
Voltage		231 / 400 V	231 / 400 V	231 / 400 V	231 / 400 V
Voltage Regulation		±1	±1	±1	±1
DIMENSIONS					
Width, Open [Canopy]	[mm]	1100 [1179]	1100 [1179]	1100 [1179]	1200 [1646]
Length, Open [Canopy]	[mm]	3095 [3921]	3254 [3921]	3254 [3921]	3383 [4632]
Height, Open [Canopy]	[mm]	1782 [2498]	1782 [2498]	1782 [2498]	1953 [2641]
Weight, Open [Canopy]	[kg]	2163 [2600]	2353 [2790]	2379 [2970]	2931 [3790]

GROUP		JCC 825	JCC 900	JCC 1100	JCC 1130
Stand By Power	kVA ( kWe ) A	825,0 [660,0] 1.192,2	900,0 [720,0] 1.300,6	1.100,0 [880,0] 1.589,6	1.130,0 [904,0] 1.632,9
Prime Power	kVA ( kWe ) A	750,0 [600,0] 1.083,8	818,2 [654,5] 1.182,3	1.000,0 [800,0] 1.445,1	1.027,3 [821,8] 1.484,5
Continuous Power	kVA ( kWe ) A	525,0 [420,0] 758,7	527,7 [458,2] 827,6	700,0 [560,0] 1.011,6	719,1 [575,3] 1.039,1
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
ENGINE					
Make		CUMMINS	CUMMINS	CUMMINS	CUMMINS
Model		VTA28G6	QSK23G3	QSXT30G4	KTA38G5
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	733,0	768,0	970,0	970,0
Net Engine Power	(kW)	705,0	746,0	929,0	940,0
Number of Cylinder		12	6	12	12
Configuration		40°Vee	Vertical,In-Line	50°Vee	60°Vee
Emission		Non-Regulated	Non-Regulated	Non-Regulated	Non-Regulated
Aspiration		Turbocharged &Aftercooled	Turbocharged &Aftercooled	Turbocharged &Aftercooled	Turbocharged &Aftercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	28	23,15	30,48	37,8
Bore and Stroke	[mm]	140 x 152	170 x 170	140 x 165	159 x 159
Compression Ratio		13.1:1	17:1	14:1	13.9:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime-%50 Loaded	[L/h]	70,5	74,6	92,9	94,0
Fuel Consumption Prime-% 75 Loaded	[L/h]	105,8	111,9	139,4	141,0
Fuel Consumption Prime-% 100 Loaded	[L/h]	128,2	135,6	168,9	170,9
Fuel Consumption Standby-%100 Loaded	[L/h]	141,0	149,2	185,8	188,0
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	1193 [530]	1193 [530]	1193 [530]	1193 [530]
ALTERNATOR					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	750,0	850,0	1000,0	1000,0
Overspeed	2U+1000V	2250	2250	2250	2250
Insulation Class		H	H	H	H
Ingress Protection Rating		IP-23	IP-23	IP-23	IP-23
Voltage		231 / 400 V	231 / 400 V	231 / 400 V	231 / 400 V
Voltage Regulation		±1	±1	±1	±1
DIMENSIONS					
Width, Open [Canopy]	[mm]	1400 [1942]	1400 [1942]	1400 [1942]	1400 [1942]
Length, Open [Canopy]	[mm]	4000 [5166]	4000 [5166]	4000 [5166]	4000 [5166]
Height, Open [Canopy]	[mm]	2188 [2920]	2188 [2920]	2188 [2920]	2188 [2920]
Weight, Open [Canopy]	[kg]	4240 [5530]	4358 [5650]	4667 [5960]	4667 [5960]

# DIESEL GENERATORS -- JCC SERIES

GROUP		JCC 1400	JCC 1650	JCC 2250
Stand By Power	kVA ( kWe ) A	1.400,0 [1.120,0] 2.023,1	1.650,0 [1.320,0] 2.384,4	2.250,0 [1.800,0] 3.251,4
Prime Power	kVA ( kWe ) A	1.272,7 [1.018,2] 1.839,2	1.500,0 [1.200,0] 2.167,6	2.045,4 [1.636,4] 2.955,9
Continuous Power	kVA ( kWe ) A	890,9 [712,7] 1.287,4	1.050,0 [840,0] 1.517,3	1.431,8 [1.145,5] 2.069,1
Power Factor	CosQ	0,8	0,8	0,8
Frequency	Hz	50	50	50

## ENGINE

Make		CUMMINS	CUMMINS	CUMMINS
Model		KTA50G3	KTA50G8	QSK60G4
Speed	(RPM)	1500	1500	1500
Gross Engine Power	(kW)	1227,0	1429,0	1915,0
Net Engine Power	(kW)	1192,0	1387,0	1861,0
Number of Cylinder		16	16	16
Configuration		60°Vee	60°Vee	60°Vee
Emission		Non-Regulated	Non-Regulated	Non-Regulated
Aspiration		Turbocharged &Aftercooled	Turbocharged &Aftercooled	Turbocharged &Aftercooled
Governing Type		Electronic	Electronic	Electronic
Displacement	[L]	50,3	50,3	60,2
Bore and Stroke	[mm]	159 x 159	159 x 159	159 x 190
Compression Ratio		13.9:1	14.9:1	14.5:1
Electric System	[V]	24	24	24
Fuel Consumption Prime-%50 Loaded	[L/h]	119,2	138,7	186,1
Fuel Consumption Prime-% 75 Loaded	[L/h]	178,8	208,1	279,2
Fuel Consumption Prime-% 100 Loaded	[L/h]	216,7	252,2	338,4
Fuel Consumption Standby-%100 Loaded	[L/h]	238,4	277,4	372,2
Fuel Tank Capacity, w/o Canopy (Canopy)	[lit]	2250 [2250]	2500 [2500]	3500 [3500]

## ALTERNATOR

Make		JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	1273,0	1500,0	2045,0
Overspeed	2U+1000V	2250	2250	2250
Insulation Class		H	H	H
Ingress Protection Rating		IP-23	IP-23	IP-23
Voltage		231 / 400 V	231 / 400 V	231 / 400 V
Voltage Regulation		±1	±1	±0,5

## DIMENSIONS

Width, Open [Canopy]	[mm]	2000 [2390]	2465 [2418]	2600 [2800]
Length, Open [Canopy]	[mm]	4500 [6769]	4500 [7885]	5700 [9000]
Height, Open [Canopy]	[mm]	2310 [3156]	2463 [3308]	2643 [2900]
Weight, Open [Canopy]	[kg]	7120 [11500]	7540 [11870]	13570 [18590]



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