

JCB ENERGY ELECTRIC POWER INDUSTRY

MADRID / SPAIN



DIESEL GENERATORS -- JCP SERIES

GROUP		JCP 10	JCP 15	JCP 17	JCP 23
Stand By Power	kVA (kWe) A	10,0 [8,0] 14,5	15,0 [12,0] 21,7	17,0 [13,6] 25,0	23,0 [18,4] 33,2
Prime Power	kVA (kWe) A	9,1 [7,3] 13,1	13,6 [10,9] 19,7	15,0 [12,0] 22,0	20,9 [16,7] 30,2
Continuous Power	kVA (kWe) A	6,4 [5,1] 9,2	9,5 [7,6] 13,8	11,0 [9,0] 16,0	14,6 [11,7] 21,2
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
ENGINE					
Make		PERKINS	PERKINS	PERKINS	PERKINS
Model		403A-11G1	403A-15G1	403A-15G2	404A-22G1
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	9,5	13,5	15,0	20,6
Net Engine Power	(kW)	9,3	13,3	15,0	20,3
Number of Cylinder		3	3	3	4
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Fuel Optimised	Fuel Optimised	Fuel Optimised	Fuel Optimised
Aspiration		Naturally	Naturally	Naturally	Naturally
Governing Type		Mechanic	Mechanic	Mechanic	Mechanic
Displacement	[L]	1,13	1,49	1,49	2,21
Bore and Stroke	[mm]	77 x 81	84 x 90	84 x 90	84 x 100
Compression Ratio		23:1	22.5:1	22.5:1	23.3:1
Electric System	[V]	12	12	12	12
Fuel Consumption Prime- %50 Loaded	[L/h]	1,40	1,96	2,27	2,81
Fuel Consumption Prime- % 75 Loaded	[L/h]	1,93	2,68	3,10	3,88
Fuel Consumption Prime- % 100 Loaded	[L/h]	2,48	3,52	4,07	5,15
Fuel Consumption Prime- %110 Loaded	[L/h]	2,96	3,94	5,83	5,84
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	58 [40]	58 [40]	58 [40]	58 [40]
ALTERNATOR					
Model		JCB 160S	JCB 160M	JCB 160L	JCB 160LX
Output Power	400 V-kVA	10,0	15,0	16,0	21,0
Overspeed	rpm	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]	500 [942]	500 [942]	500 [942]	500 [942]
Length, Open [Canopy]	[mm]	1400 [1916]	1400 [1916]	1400 [1916]	1400 [1916]
Height, Open [Canopy]	[mm]	1330 [1444]	1330 [1444]	1330 [1444]	1330 [1444]
Weight, Open [Canopy]	[kg]	402 [513]	485 [596]	485 [596]	536 [647]

GROUP		JCP 33	JCP 50	JCP 66	JCP 71
Stand By Power	kVA (kWe) A	33,0 [26,4] 47,7	50,0 [40,0] 72,3	66,0 [52,8] 95,4	71,0 [56,8] 102,6
Prime Power	kVA (kWe) A	30,0 [24,0] 43,4	45,5 [36,4] 65,7	60,0 [48,0] 86,7	64,5 [51,6] 93,3
Continuous Power	kVA (kWe) A	21,0 [16,8] 30,3	31,8 [25,5] 46,0	42,0 [33,6] 60,7	45,2 [36,1] 65,3
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50

ENGINE

Make		PERKINS	PERKINS	PERKINS	PERKINS
Model		1103A-33G	1103A-T33G1	1103A-33TG2	1104A-44TG1
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	31,0	46,5	60,5	65,6
Net Engine Power	(kW)	30,4	45,6	59,3	64,3
Number of Cylinder		3	3	3	4
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Fuel Optimised	Fuel Optimised	Fuel Optimised	Fuel Optimised
Aspiration		Naturally	Turbo Charged	Turbo Charged	Turbo Charged
Governing Type		Mechanic	Mechanic	Mechanic	Mechanic
Displacement	[L]	3,3	3,3	3,3	4,4
Bore and Stroke	[mm]	105 x 127	105 x 127	105 x 127	105 x 127
Compression Ratio		19.25:1	17.25:1	17.25:1	17.25:1
Electric System	[V]	12	12	12	12
Fuel Consumption Prime-%50 Loaded	[L/h]	3,72	5,57	7,26	7,76
Fuel Consumption Prime-% 75 Loaded	[L/h]	5,36	8,02	10,46	10,86
Fuel Consumption Prime-% 100 Loaded	[L/h]	7,05	10,55	13,75	14,41
Fuel Consumption Prime-%110 Loaded	[L/h]	7,97	11,95	15,55	15,79
Fuel Tank Capacity, w/o Canopy (Canopy)	[lt]	55 [100]	55 [100]	55 [100]	134 [205]

ALTERNATOR

Model		JCB 180M2	JCB 180LX	JCB 225S2	JCB 225S2
Output Power	400 V-kVA	31,0	46,0	65,0	65,0
Overspeed	rpm	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]	629 [1002]	634 [1002]	634 [1002]	700 [1042]
Length, Open [Canopy]	[mm]	1600 [2269]	1600 [2269]	1600 [2269]	1700 [2615]
Height, Open [Canopy]	[mm]	1330 [1597]	1330 [1597]	1643 [1597]	1643 [1766]
Weight, Open [Canopy]	[kg]	737 [878]	834 [975]	864 [1005]	930 [1157]

DIESEL GENERATORS -- JCP SERIES

GROUP		JCP 88	JCP 112	JCP 150	JCP 165
Stand By Power	kVA (kWe) A	88,0 [70,4] 127,2	112,0 [89,6] 161,8	150,0 [120,0] 216,8	165,0 [132,0] 238,4
Prime Power	kVA (kWe) A	80,0 [64,0] 115,6	101,8 [81,5] 147,1	136,4 [109,1] 197,1	150,0 [120,0] 216,8
Continuous Power	kVA (kWe) A	56,0 [44,8] 80,9	71,3 [57,0] 103,0	95,5 [76,4] 137,9	105,0 [84,0] 151,7
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
ENGINE					
Make		PERKINS	PERKINS	PERKINS	PERKINS
Model		1104A-44TG2	1104C-44TAG2	1106A-70TG1	1106A-70TAG2
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	80,7	103,0	135,8	149,1
Net Engine Power	(kW)	79,1	99,5	131,4	144,1
Number of Cylinder		4	4	6	6
Configuration		Vertical, In-Line	Vertical, In-Line	Vertical, In-Line	Vertical, In-Line
Emission		Fuel Optimised	Tier II	Fuel Optimised	Fuel Optimised
Aspiration		Turbo Charged	Turbo Charged/ Intercooled	Turbocharged	Turbocharged
Governing Type		Mechanic	Electronic	Electronic	Electronic
Displacement	[L]	4,4	4,4	7,01	7,01
Bore and Stroke	[mm]	105 x 127	105 x 127	105 x 135	105 x 135
Compression Ratio		17.25:1	18.23:1	18.2:1	18.2:1
Electric System	[V]	12	12	12	12
Fuel Consumption Prime- %50 Loaded	[L/h]	9,7	11,10	14,02	15,66
Fuel Consumption Prime- % 75 Loaded	[L/h]	14,0	16,90	20,15	23,72
Fuel Consumption Prime- % 100 Loaded	[L/h]	18,7	22,31	26,60	32,10
Fuel Consumption Standby- %100 Loaded	[L/h]	20,5	24,55	32,53	35,90
Fuel Tank Capacity, w/o Canopy (Canopy)	[lit]	134 [205]	161 [205]	256 [376]	256 [376]
ALTERNATOR					
Model		JCB 225M1	JCB 225LX	JCB 270S1	JCB 270S2
Output Power	400 V-kVA	77,0	109,0	141,0	159,0
Overspeed	rpm	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]	700 [1042]	721 [1042]	900 [1153]	900 [1153]
Length, Open [Canopy]	[mm]	1782 [2615]	1908 [2615]	2400 [2971]	2511 [2971]
Height, Open [Canopy]	[mm]	1643 [1766]	1643 [1766]	1530 [2027]	1573 [2027]
Weight, Open [Canopy]	[kg]	945 [1172]	1137 [1364]	1433 [1863]	1471 [1901]

GROUP		JCP 200	JCP 220	JCP 250	JCP 275
Stand By Power	kVA (kWe) A	200,0 [160,0] 289,0	220,0 [176,0] 317,9	250,0 [200,0] 361,3	275,0 [220,0] 397,4
Prime Power	kVA (kWe) A	181,8 [145,5] 262,7	200,0 [160,0] 289,0	227,3 [181,8] 328,4	250,0 [200,0] 361,3
Continuous Power	kVA (kWe) A	127,3 [101,8] 183,9	140,0 [112,0] 202,3	159,1 [127,3] 229,9	175,0 [140,0] 252,9
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
ENGINE					
Make		PERKINS	PERKINS	PERKINS	PERKINS
Model		1106A-70TAG3	1106A-70TAG4	1206A-70TTAG2	1206A-70TTAG3
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	180,2	196,3	226,1	248,6
Net Engine Power	(kW)	175,2	191,3	217,1	238,2
Number of Cylinder		6	6	6	6
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Fuel Optimised	Fuel Optimised	Fuel Optimised	Fuel Optimised
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Series Turbocharged / aftercooled	Series Turbocharged / aftercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	7,01	7,01	7,01	7,01
Bore and Stroke	[mm]	105 x 135	105 x 135	105 x 135	105 x 135
Compression Ratio		16:1	16:1	15.8:1	15.8:1
Electric System	[V]	12	12	12	12
Fuel Consumption Prime- %50 Loaded	[L/h]	19,06	22,36	24,93	27,62
Fuel Consumption Prime- % 75 Loaded	[L/h]	30,16	33,54	37,04	40,64
Fuel Consumption Prime- % 100 Loaded	[L/h]	39,45	44,31	49,86	55,76
Fuel Consumption Standby- %100 Loaded	[L/h]	43,28	47,71	55,74	63,60
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	256 [376]	375 [376]	375 [445]	375 [445]
ALTERNATOR					
Model		JCB 270M	JCB 270M1	JCB 270MX	JCB 270L1
Output Power	400 V-kVA	182,0	214,0	232,0	255,0
Overspeed	rpm	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]	995 [1140]	995 [1140]
Length, Open [Canopy]	[mm]	2511 [2971]	2650 [2971]	2652 [3409]	2742 [3409]
Height, Open [Canopy]	[mm]	1573 [2027]	1673 [2027]	1972 [1955]	1972 [1955]
Weight, Open [Canopy]	[kg]	1546 [1976]	1666 [2096]	1686 [2060]	1736 [2110]

DIESEL GENERATORS -- JCP SERIES

GROUP		JCP 300	JCP 350	JCP 400	JCP 450
Stand By Power	kVA (kWe) A	300,0 [240,0] 433,5	350,0 [280,0] 506,0	400,0 [320,0] 578,0	450,0 [360,0] 650,3
Prime Power	kVA (kWe) A	272,7 [218,2] 394,1	318,0 [254,0] 460,0	363,6 [290,9] 525,5	409,1 [327,3] 591,2
Continuous Power	kVA (kWe) A	190,9 [152,7] 275,9	223,0 [178,0] 322,0	254,5 [203,6] 367,8	286,4 [229,1] 413,8
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
ENGINE					
Make		PERKINS	PERKINS	PERKINS	PERKINS
Model		1506A-E88TAG4	1706A-E93TAG1	1706A-E93TAG2	2206A-E13TAG3
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	281,0	304,0	343,0	413,0
Net Engine Power	(kW)	268,0	295,0	334,0	399,0
Number of Cylinder		6	6	6	6
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Fuel Optimised	Fuel Optimised	Fuel Optimised	Fuel Optimised
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	8,8	9,29	9,29	12,5
Bore and Stroke	[mm]	112 x 149	115 x 149	115 x 149	130 x 157
Compression Ratio		16.1:1	16.5:1	16.5:1	16.3:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	31,05	32,7	36,03	42,58
Fuel Consumption Prime- % 75 Loaded	[L/h]	45,00	46,75	52,14	63,22
Fuel Consumption Prime- % 100 Loaded	[L/h]	59,40	61,04	68,80	83,87
Fuel Consumption Standby- %100 Loaded	[L/h]	65,35	66,81	75,78	93,17
Fuel Tank Capacity, w/o Canopy (Canopy)	[lit]	475 [673]	475 [673]	673 [673]	673 [400]
ALTERNATOR					
Model		JCB 270LX	JCB270LXA	JCB 315S	JCB 315M
Output Power	400 V-kVA	273,0	318,0	373,0	409,0
Overspeed	rpm	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]	1200 [1179]	1200 [1600]
Length, Open [Canopy]	[mm]	2940 [3921]	2967 [3921]	3165 [3921]	3242 [4600]
Height, Open [Canopy]	[mm]	1961 [2498]	1966 [2498]	1966 [2498]	2325 [2280]
Weight, Open [Canopy]	[kg]	2325 [2899]	2345 [2919]	2588 [3162]	2963 [3847]

GROUP		JCP 500	JCP 550	JCP 660	JCP 720
Stand By Power	kVA (kWe) A	500,0 [400,0] 722,5	550,0 [440,0] 794,8	660,0 [528,0] 953,8	720,0 [576,0] 1.010,5
Prime Power	kVA (kWe) A	454,5 [363,6] 656,9	500,0 [400,0] 722,5	600,0 [480,0] 867,1	654,5 [523,6] 945,9
Continuous Power	kVA (kWe) A	318,2 [254,5] 459,8	350,0 [280,0] 505,8	420,0 [336,0] 606,9	458,2 [366,5] 662,1
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
ENGINE					
Make		PERKINS	PERKINS	PERKINS	PERKINS
Model		2506A-E15TAG1	2506A-E15TAG2	2806A-E18TAG1	2806A-E18TAG2
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	451,0	495,0	593,0	628,0
Net Engine Power	(kW)	434,0	478,0	575,0	609,0
Number of Cylinder		6	6	6	6
Configuration		Vertical, In-Line	Vertical, In-Line	Vertical, In-Line	Vertical, In-Line
Emission		Fuel Optimised	Fuel Optimised	Fuel Optimised	Fuel Optimised
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	15,2	15,2	18,13	18,13
Bore and Stroke	[mm]	137 x 171	137 x 171	145 x 183	145 x 183
Compression Ratio		16:1	16:1	14,5:1	14,5:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	50,30	55,33	63,73	71,30
Fuel Consumption Prime- % 75 Loaded	[L/h]	71,86	79,06	93,72	102,37
Fuel Consumption Prime- % 100 Loaded	[L/h]	95,33	104,36	127,47	137,17
Fuel Consumption Standby- %100 Loaded	[L/h]	103,83	115,12	138,60	148,24
Fuel Tank Capacity, w/o Canopy (Canopy)	[lit]	673 [400]	673 [400]	1350 [530]	1350 [530]
ALTERNATOR					
Model		JCB 315MXA	JCB 315L	JCB 355M	JCB 355M1
Output Power	400 V-kVA	468,0	514,0	600,0	659,0
Overspeed	rpm	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]	1200 [1600]	1200 [1600]	1600 [1900]	1600 [1900]
Length, Open [Canopy]	[mm]	3629 [4600]	3629 [4600]	3636 [5000]	3636 [5000]
Height, Open [Canopy]	[mm]	2318 [2280]	2318 [2280]	2407 [2300]	2407 [2300]
Weight, Open [Canopy]	[kg]	3340 [4224]	3378 [4262]	4079 [5689]	4219 [5829]

DIESEL GENERATORS -- JCP SERIES

GROUP		JCP 770	JCP 825	JCP 850	JCP 900
Stand By Power	kVA (kWe) A	770,0 [616,0] 1.112,7	825,0 [660,0] 1.192,0	850,0 [680,0] 1.228,0	900,0 [720,0] 1.300,6
Prime Power	kVA (kWe) A	700,0 [560,0] 1.011,6	750,0 [600,0] 1.083,0	722,0 [618,0] 1.115,0	818,2 [654,5] 1.182,3
Continuous Power	kVA (kWe) A	490,0 [392,0] 708,1	525,0 [420,0] 758,0	540,0 [432,0] 780,0	572,7 [458,2] 827,6
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
ENGINE					
Make		PERKINS	PERKINS	PERKINS	PERKINS
Model		2806A-E18TTAG4	4006-23TAG2A	2806A-E18TTAG5	4006-23TAG3A
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	685,0	732,0	739,0	786,0
Net Engine Power	(kW)	657,0	702,0	714,0	760,0
Number of Cylinder		6	6	6	6
Configuration		Vertical, In-Line	Vertical, In-Line	Vertical, In-Line	Vertical, In-Line
Emission		Fuel Optimised	Fuel Optimised	Fuel Optimised	Fuel Optimised
Aspiration		SeriesTurbocharged/ Intercooled	Turbocharged/ Intercooled	SeriesTurbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	18,13	22,921	18,13	22,921
Bore and Stroke	[mm]	145 x 183	160 x 190	145 x 183	160 x 190
Compression Ratio		14:1	12,8:1	14:1	13,6:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	70,99	80,72	77,24	87,31
Fuel Consumption Prime- % 75 Loaded	[L/h]	103,77	120,51	113,52	129,11
Fuel Consumption Prime- % 100 Loaded	[L/h]	141,26	159,91	156,83	172,15
Fuel Consumption Standby- %100 Loaded	[L/h]	155,32	176,06	173,58	193,76
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	1350 [530]	2000 [2000]	1350 [530]	2000 [2000]
ALTERNATOR					
Model		JCB 355MX	JCB 355MXA	JCB 355L	JCB 355LX
Output Power	400 V-kVA	700,0	750,0	773,0	850,0
Overspeed	rpm	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]	1600 [1900]	1710 [2100]	1600 [1900]	1710 [2100]
Length, Open [Canopy]	[mm]	3666 [5000]	4055 [5929]	3666 [5000]	4055 [5929]
Height, Open [Canopy]	[mm]	2407 [2300]	1964 [2405]	2407 [2300]	1964 [2405]
Weight, Open [Canopy]	[kg]	4827 [6437]	6370 [10020]	4827 [6437]	6370 [10020]

GROUP		JCP 1000	JCP 1125	JCP 1250	JCP 1385
Stand By Power	kVA (kWe) A	1.000,0 [800,0] 1.445,1	1.125,0 [900,0] 1.625,7	1.250,0 [1.000,0] 1.806,4	1.385,0 [1.108,0] 2.001,4
Prime Power	kVA (kWe) A	909,1 [727,3] 1.313,7	1.022,7 [818,2] 1.477,9	1.136,4 [909,1] 1.642,1	1.259,1 [1.007,3] 1.819,5
Continuous Power	kVA (kWe) A	636,4 [509,1] 919,6	715,9 [572,7] 1.034,6	795,5 [636,4] 1.149,5	881,4 [705,1] 1.273,6
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
ENGINE					
Make		PERKINS	PERKINS	PERKINS	PERKINS
Model		4008TAG1A	4008TAG2A	4008-30TAG3	4012-46TWG2A
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	882,0	985,0	1105,0	1217,0
Net Engine Power	(kW)	844,0	947,0	1055,0	1166,0
Number of Cylinder		8	8	8	12
Configuration		Vertical, In-Line	Vertical, In-Line	Vertical, In-Line	Vee 60°
Emission		Fuel Optimised	Fuel Optimised	Fuel Optimised	Fuel Optimised
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/WAC- Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	30,561	30,561	30,561	45,842
Bore and Stroke	[mm]	160 x 190	160 x 190	160 x 190	160 x 190
Compression Ratio		13,6:1	13,6:1	13:1	13:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	96,88	108,19	118,25	150,77
Fuel Consumption Prime- % 75 Loaded	[L/h]	141,11	161,51	175,63	209,66
Fuel Consumption Prime- % 100 Loaded	[L/h]	192,83	215,34	238,82	274,37
Fuel Consumption Standby- %100 Loaded	[L/h]	215,37	239,38	269,83	303,15
Fuel Tank Capacity, w/o Canopy (Canopy)	[lt]	2000 [2000]	2000 [2000]	2000 [2000]	2250 [2250]
ALTERNATOR					
Make		JCB 400S	JCB 400M	JCB 400MX	JCB 400L
Output Power	400 V-kVA	909,0	1000,0	1136,0	1273,0
Overspeed	rpm	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]	2050 [2350]	2050 [2350]	2200 [2350]	1800 [2352]
Length, Open [Canopy]	[mm]	5100 [6769]	5100 [6769]	5100 [6769]	5070 [7883]
Height, Open [Canopy]	[mm]	2145 [2405]	2145 [2405]	2145 [2405]	2291 [2706]
Weight, Open [Canopy]	[kg]	7640 [11290]	7820 [11470]	8050 [11700]	9340 [14360]

DIESEL GENERATORS -- JCP SERIES

GROUP		JCP 1500	JCP 1656	JCP 1880	JCP 2000
Stand By Power	kVA (kWe) A	1.500,0 [1.200,0] 2.167,6	1.656,0 [1.324,8] 2.393,1	1.880,0 [1.504,0] 2.716,8	2.000,0 [1.600,0] 2.890,2
Prime Power	kVA (kWe) A	1.363,6 [1.090,9] 1.970,6	1.505,5 [1.204,4] 2.175,5	1.709,1 [1.367,3] 2.469,8	1.818,2 [1.454,5] 2.627,4
Continuous Power	kVA (kWe) A	954,5 [763,6] 1.379,4	1.053,8 [843,1] 1.522,9	1.196,4 [957,1] 1.728,8	1.272,7 [1.018,2] 1.839,2
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
ENGINE					
Make		PERKINS	PERKINS	PERKINS	PERKINS
Model		4012-46TWG3A	4012-46TAG2A	4012-46TAG3A	4016-61TRG1
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	1321,0	1459,0	1643,0	1774,0
Net Engine Power	(kW)	1263,0	1395,0	1583,0	1684,0
Number of Cylinder		12	12	12	16
Configuration		Vee 60°	Vee 60°	Vee 60°	Vee 60°
Emission		Fuel Optimised	Fuel Optimised	Fuel Optimised	Fuel Optimised
Aspiration		Turbocharged/WAC- Intercooled	Turbocharged/WAC- Intercooled	Turbocharged/ Intercooled	Turbocharged/ WAC-Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	45,842	45,842	45,842	61,123
Bore and Stroke	[mm]	160 x 190	160 x 190	160 x 190	160 x 190
Compression Ratio		13:1	13:1	13:1	13:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	158,59	157,09	176,16	198,33
Fuel Consumption Prime- % 75 Loaded	[L/h]	224,21	233,31	269,48	300,38
Fuel Consumption Prime- % 100 Loaded	[L/h]	297,54	309,53	362,79	385,17
Fuel Consumption Standby- %100 Loaded	[L/h]	333,32	341,00	403,11	414,62
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	2500 [2500]	2500 [2500]	3000 [3000]	3000 [3000]
ALTERNATOR					
Model		JCB 400L1	JCB 400L2	JCB 450S	JCB 450SX
Output Power	400 V-kVA	1418,0	1500,0	1750,0	1818,0
Overspeed	rpm	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	±0.5	±0.5
DIMENSIONS					
Width, Open [Canopy]	[mm]	1800 [2352]	1800 [2352]	2200 [2352]	2190 [2430]
Length, Open [Canopy]	[mm]	5070 [7883]	5225 [7883]	5225 [7883]	6200 [12000]
Height, Open [Canopy]	[mm]	2291 [2706]	2255 [2706]	2259 [2706]	3100 [3200]
Weight, Open [Canopy]	[kg]	9570 [14590]	10385 [15405]	12036 [17056]	12720 [19840]

GROUP		JCP 2030	JCP 2250	JCP 2263	JCP 2500
Stand By Power	kVA (kWe) A	2.030,0 [1.624,0] 2.933,5	2.250,0 [1.800,0] 3.251,4	2.263,0 [1.810,4] 3.270,2	2.500,0 [2.000,0] 3.612,7
Prime Power	kVA (kWe) A	1.845,5 [1.476,4] 2.666,8	2.045,5 [1.636,4] 2.955,9	2.057,3 [1.645,8] 2.972,9	2.272,7 [1.818,2] 3.284,3
Continuous Power	kVA (kWe) A	1.291,8 [1.033,5] 1.866,8	1.431,8 [1.145,5] 2.069,1	1.440,1 [1.152,1] 2.081,1	1.590,9 [1.272,7] 2.299,0
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
ENGINE					
Make		PERKINS	PERKINS	PERKINS	PERKINS
Model		4016TAG1A	4016-61TRG2	4016TAG2	4016-61TRG3
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	1741,0	1985,0	1937,0	2183,0
Net Engine Power	(kW)	1690,0	1895,0	1886,0	2083,0
Number of Cylinder		16	16	16	16
Configuration		Vee 60°	Vee 60°	Vee 60°	Vee 60°
Emission		Fuel Optimised	Fuel Optimised	Fuel Optimised	Fuel Optimised
Aspiration		Turbocharged/ Intercooled	Turbocharged/ WAC-Intercooled	Turbocharged/ Intercooled	Turbocharged/ WAC-Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	61,123	61,123	61,123	61,123
Bore and Stroke	[mm]	160 x 190	160 x 190	160 x 190	160 x 190
Compression Ratio		13.6:1	13:1	13.6:1	13:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	198,33	216,59	216,59	234,24
Fuel Consumption Prime- % 75 Loaded	[L/h]	300,38	318,70	318,70	344,48
Fuel Consumption Prime- % 100 Loaded	[L/h]	385,17	422,87	422,87	470,78
Fuel Consumption Standby- %100 Loaded	[L/h]	414,62	477,78	477,78	530,52
Fuel Tank Capacity, w/o Canopy (Canopy)	[lt]	3000 [3000]	3000 [3000]	3000 [3000]	3500 [3500]
ALTERNATOR					
Model		JCB 450SX	JCB 450M	JCB 450M	JCB 450MX
Output Power	400 V-kVA	1818,0	2045,0	2045,0	2273,0
Overspeed	rpm	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		±0.5	±0.5	±0.5	±0.5
DIMENSIONS					
Width, Open [Canopy]	[mm]	2775 [2900]	2190 [2430]	2775 [2900]	2200 [2430]
Length, Open [Canopy]	[mm]	6100 [12000]	6200 [12000]	6100 [12000]	6650 [12000]
Height, Open [Canopy]	[mm]	3300 [3500]	3100 [3200]	3300 [3500]	3300 [3500]
Weight, Open [Canopy]	[kg]	15680 [24850]	12720 [19840]	15680 [24850]	15800 [22920]

OUR CERTIFICATES



GCR CERT

CERTIFICATE

HEALTHY & SAFE WORKPLACE CERTIFICATE



JCB ENERGY ELECTRIC POWER INDUSTRY

CALLE DE TRESPADERNE, NUM 7
PLANTA 3, PUERTA C
28042 MADRID - (MADRID), SPAIN

In recognition of the organization's Management System which complies with the requirements for COVID-19 measures, within the physical conditions of the business with in the scope of the Healthy and Safe Workplace Certificate program.


FACTORIES - PRODUCTION LOCATIONS: ELECTRICAL AND ELECTRONICS INDUSTRY

Certificate Number : GCRCERT-11.2023.3650
Certificate Issue Date : 07.11.2023
Certificate Validity : 06.11.2025




Abimanyu Gaurav
Approval





GCR CERT

CERTIFICATE



JCB ENERGY ELECTRIC POWER INDUSTRY

CALLE DE TRESPADERNE, NUM 7
PLANTA 3, PUERTA C
28042 MADRID - (MADRID), SPAIN


In recognition of the organization's Management System which complies with

ISO 22716:2013:GMP
GOOD MANUFACTURING PRACTICES



The scope of activities covered by this certificate is defined below

PRODUCTION, SALES AND SERVICE OF DIESEL GENERATORS, PORTABLE GENERATORS, GAS GENERATORS, LIGHT TOWER GENERATORS, WELDING GENERATORS, TRAILER GENERATORS, GENERATOR SPARE PARTS, SYNCHRONIZED SYSTEM, WATER PUMPS, ALTERNATORS, FORKLIFTS, UPS, REGULATORS, CONVERTERS, SHUTTER POWER SOURCES, TRANSFORMERS, SOLAR PANELS.

Certificate Number : GCRCERT-11.2023.3585
Certificate Issue Date : 01.11.2023
Certificate Validity : 31.10.2025



Abimanyu Gaurav
Approval


GCR CERT

CERTIFICATE



JCB ENERGY ELECTRIC POWER INDUSTRY

CALLE DE TRESPADERNE, NUM 7
PLANTA 3, PUERTA C
28042 MADRID - (MADRID), SPAIN

In recognition of the organization's Management System which complies with

GHP

The scope of activities covered by this certificate is defined below


PRODUCTION, SALES AND SERVICE OF DIESEL GENERATORS, PORTABLE GENERATORS, GAS GENERATORS, LIGHT TOWER GENERATORS, WELDING GENERATORS, TRAILER GENERATORS, GENERATOR SPARE PARTS, SYNCHRONIZED SYSTEM, WATER PUMPS, ALTERNATORS, FORKLIFTS, UPS, REGULATORS, CONVERTERS, SHUTTER POWER SOURCES, TRANSFORMERS, SOLAR PANELS.

Certificate Number : GCRCERT-11.2023.3587
Certificate Issue Date : 01.11.2023
Certificate Validity : 31.10.2025



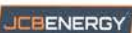
Abimanyu Gaurav
Approval





GCR CERT

CERTIFICATE



JCB ENERGY ELECTRIC POWER INDUSTRY

CALLE DE TRESPADERNE, NUM 7
PLANTA 3, PUERTA C
28042 MADRID - (MADRID), SPAIN

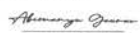
In recognition of the organization's Management System which complies with

GDP




The scope of activities covered by this certificate is defined below

PRODUCTION, SALES AND SERVICE OF DIESEL GENERATORS, PORTABLE GENERATORS, GAS GENERATORS, LIGHT TOWER GENERATORS, WELDING GENERATORS, TRAILER GENERATORS, GENERATOR SPARE PARTS, SYNCHRONIZED SYSTEM, WATER PUMPS, ALTERNATORS, FORKLIFTS, UPS, REGULATORS, CONVERTERS, SHUTTER POWER SOURCES, TRANSFORMERS, SOLAR PANELS.

Certificate Number : GCRCERT-11.2023.3596
Certificate Issue Date : 01.11.2023
Certificate Validity : 31.10.2025




Abimanyu Gaurav
Approval

GCR CERT

CERTIFICATE



JCB ENERGY ELECTRIC POWER INDUSTRY

CALLE DE TRESPADERNE, NUM 7
PLANTA 3, PUERTA C
28042 MADRID - (MADRID), SPAIN

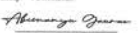
In recognition of the organization's Management System which complies with

ISO 10002:2018




The scope of activities covered by this certificate is defined below

PRODUCTION, SALES AND SERVICE OF DIESEL GENERATORS, PORTABLE GENERATORS, GAS GENERATORS, LIGHT TOWER GENERATORS, WELDING GENERATORS, TRAILER GENERATORS, GENERATOR SPARE PARTS, SYNCHRONIZED SYSTEM, WATER PUMPS, ALTERNATORS, FORKLIFTS, UPS, REGULATORS, CONVERTERS, SHUTTER POWER SOURCES, TRANSFORMERS, SOLAR PANELS.

Certificate Number : GCRCERT-10.2023.3525
Certificate Issue Date : 25.10.2023
Certificate Validity : 24.10.2025



Abimanyu Gaurav
Approval

JCB Energy Electric Power Industry S.L.


HAS OUR TOTAL SUPPORT

We are pleased to certify that this company, with its registered office (address as below), is fully authorized as an Original Equipment Manufacturer partner to incorporate Mecc Alte AC Generators when selling and distributing generating sets.

Mecc Alte also certifies that its products sold to this company are fully covered by the Mecc Alte Warranty.

Mecc Alte provides this company access to its extensive product knowledge in order to incorporate Mecc Alte AC Generators when selling and distributing generating sets.

World class alternators T - C000VX.



APPROVED MANUFACTURER

GENUINE PARTS

POWER FROM WITHIN

Radex Mivico


CERTIFICATE NO. MA000163

VALID UNTIL 31 December 2026

COMPANY ADDRESS
Calle de Trespaderne, 7, P.I. 28042, Madrid, Spain

CERTIFICATE OF REGISTRATION

This is to certify that the Management System of



JCB ENERGY ELECTRIC POWER INDUSTRY

CALLE DE TRESPADERNE, NUM 7 PLANTA 3, PUERTA C 28042 MADRID - (MADRID), SPAIN

is in accordance with the requirements of the following standard

ISO/IEC 27001:2022

(Information Security Management System)

SCOPE OF CERTIFICATION



PROTECTION OF INFORMATION ASSETS OF RECORDS IN PRODUCTION, SALES AND SERVICE OF DIESEL GENERATORS, PORTABLE GENERATORS, GAS GENERATORS, LIGHT TOWER GENERATORS, WELDING GENERATORS, TRAILER GENERATORS, GENERATOR SPARE PARTS, SYNCHRONIZED SYSTEM, WATER PUMPS, ALTERNATORS, FORKLIFTS, UPS, REGULATORS, CONVERTERS, SHUTTER POWER SOURCES, TRANSFORMERS, SOLAR PANELS
SoA Details: JCB/12.12.2022

Certificate Number : **QCAS-JEE-24-051581691**

Initial Certification Date : 26 Nov 2024 Date of Expiry : 25 Nov 2027
1st Surveillance Date : 26 Oct 2025 2nd Surveillance Date : 26 Oct 2026

Verify the Certificate: <https://qaafs.us/site/search/>

Issued by QCAS Certifications Inc.
Managing Director

QCAS (Quality Certification Accredited) Inc. 1811 North Center Dr. STE 202, Norfolk, VA 23502, United States of America
This certificate attests to conformity of QCAS with the standards ISO/IEC 27001:2022 in Conformity to European of the certificate holder is subject to successful completion of surveillance audits.
The responsibility for the scope of the certificate and the applicability of standard may be obtained by contacting the Organization.

CERTIFICATE OF REGISTRATION

This is to certify that the Management System of



JCB ENERGY ELECTRIC POWER INDUSTRY

CALLE DE TRESPADERNE, NUM 7 PLANTA 3, PUERTA C 28042 MADRID - (MADRID), SPAIN

is in accordance with the requirements of the following standard

ISO 50001:2018

(Energy Management System)

SCOPE OF CERTIFICATION

PRODUCTION, SALES AND SERVICE OF DIESEL GENERATORS, PORTABLE GENERATORS, GAS GENERATORS, LIGHT TOWER GENERATORS, WELDING GENERATORS, TRAILER GENERATORS, GENERATOR SPARE PARTS, SYNCHRONIZED SYSTEM, WATER PUMPS, ALTERNATORS, FORKLIFTS, UPS, REGULATORS, CONVERTERS, SHUTTER POWER SOURCES, TRANSFORMERS, SOLAR PANELS

Certificate Number : **QCAS-JCB-23-05158814**

1st Surveillance Completed : 26 Nov 2024

Initial Certification Date : 25 Oct 2023 Date of Expiry : 24 Oct 2026
1st Surveillance Date : 25 Sep 2024 2nd Surveillance Date : 25 Sep 2025

Verify the Certificate: <https://qaafs.us/site/search/>


Issued by QCAS Certifications Inc.
Managing Director




QCAS (Quality Certification Accredited) Inc. 1811 North Center Dr. STE 202, Norfolk, VA 23502, United States of America
This certificate attests to conformity of QCAS with the standards ISO 50001:2018 in Conformity to European of the certificate holder is subject to successful completion of surveillance audits.
The responsibility for the scope of the certificate and the applicability of standard may be obtained by contacting the Organization.

Certificate of Surveillance

This is to certify that the Environmental Management System of



JCB ENERGY ELECTRIC POWER INDUSTRY

CALLE DE TRESPADERNE, NUM 7, PLANTA 3, PUERTA C, 28042 MADRID - (MADRID), SPAIN

is in accordance with the requirements of the following standard

ISO 14001:2015

(Environmental Management System)

SCOPE



PRODUCTION, SALES AND SERVICE OF DIESEL GENERATORS, PORTABLE GENERATORS, GAS GENERATORS, LIGHT TOWER GENERATORS, WELDING GENERATORS, TRAILER GENERATORS, GENERATOR SPARE PARTS, SYNCHRONIZED SYSTEM, WATER PUMPS, ALTERNATORS, FORKLIFTS, UPS, REGULATORS, CONVERTERS, SHUTTER POWER SOURCES, TRANSFORMERS, SOLAR PANELS
SoA Details: JCB/12.12.2022

Certificate Number : 251022013423
1st Surveillance Completed: 26-Nov-2024

Initial Registration Date : 25-Oct-2023
1st Surveillance Date : 25-Sep-2024
2nd Surveillance Date : 25-Sep-2025
Certificate Expiry Date : 24-Oct-2026

To verify certificate, visit at :
www.arscert.com
<https://uaafaccreditation.org>
<https://www.iafcertsearch.org/>

Issued by ARS Assessment Private Limited
Managing Director

UAF Address : 401, North Center Dr. STE 202, Norfolk, VA 23502, United States of America
This certificate attests to conformity of ARS with the standards ISO 14001:2015 in Conformity to European of the certificate holder is subject to successful completion of surveillance audits.
The responsibility for the scope of the certificate and the applicability of standard may be obtained by contacting the Organization or info@arscert.com

Certificate of Surveillance

This is to certify that the Occupational Health and Safety Management System of



JCB ENERGY ELECTRIC POWER INDUSTRY

CALLE DE TRESPADERNE, NUM 7, PLANTA 3, PUERTA C, 28042 MADRID - (MADRID), SPAIN

is in accordance with the requirements of the following standard

ISO 45001:2018

(Occupational Health and Safety Management System)

SCOPE

PRODUCTION, SALES AND SERVICE OF DIESEL GENERATORS, PORTABLE GENERATORS, GAS GENERATORS, LIGHT TOWER GENERATORS, WELDING GENERATORS, TRAILER GENERATORS, GENERATOR SPARE PARTS, SYNCHRONIZED SYSTEM, WATER PUMPS, ALTERNATORS, FORKLIFTS, UPS, REGULATORS, CONVERTERS, SHUTTER POWER SOURCES, TRANSFORMERS, SOLAR PANELS
SoA Details: JCB/12.12.2022

Certificate Number : 251022013424
1st Surveillance Completed: 26-Nov-2024

Initial Registration Date : 25-Oct-2023
1st Surveillance Date : 25-Sep-2024
2nd Surveillance Date : 25-Sep-2025
Certificate Expiry Date : 24-Oct-2026

To verify certificate, visit at :
www.arscert.com
<https://uaafaccreditation.org>
<https://www.iafcertsearch.org/>

Issued by ARS Assessment Private Limited
Managing Director




UAF Address : 401, North Center Dr. STE 202, Norfolk, VA 23502, United States of America
This certificate attests to conformity of ARS with the standards ISO 45001:2018 in Conformity to European of the certificate holder is subject to successful completion of surveillance audits.
The responsibility for the scope of the certificate and the applicability of standard may be obtained by contacting the Organization or info@arscert.com

Certificate of Surveillance

This is to certify that the Quality Management System of



JCB ENERGY ELECTRIC POWER INDUSTRY

CALLE DE TRESPADERNE, NUM 7, PLANTA 3, PUERTA C, 28042 MADRID - (MADRID), SPAIN

is in accordance with the requirements of the following standard

ISO 9001:2015

(Quality Management System)

SCOPE

PRODUCTION, SALES AND SERVICE OF DIESEL GENERATORS, PORTABLE GENERATORS, GAS GENERATORS, LIGHT TOWER GENERATORS, WELDING GENERATORS, TRAILER GENERATORS, GENERATOR SPARE PARTS, SYNCHRONIZED SYSTEM, WATER PUMPS, ALTERNATORS, FORKLIFTS, UPS, REGULATORS, CONVERTERS, SHUTTER POWER SOURCES, TRANSFORMERS, SOLAR PANELS
SoA Details: JCB/12.12.2022

Certificate Number : 251022013422
1st Surveillance Completed: 26-Nov-2024

Initial Registration Date : 25-Oct-2023
1st Surveillance Date : 25-Sep-2024
2nd Surveillance Date : 25-Sep-2025
Certificate Expiry Date : 24-Oct-2026

To verify certificate, visit at :
www.arscert.com
<https://uaafaccreditation.org>
<https://www.iafcertsearch.org/>

Issued by ARS Assessment Private Limited
Managing Director




UAF Address : 401, North Center Dr. STE 202, Norfolk, VA 23502, United States of America
This certificate attests to conformity of ARS with the standards ISO 9001:2015 in Conformity to European of the certificate holder is subject to successful completion of surveillance audits.
The responsibility for the scope of the certificate and the applicability of standard may be obtained by contacting the Organization or info@arscert.com



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