



# DIESEL GENERATORS -- JCN SERIES

GROUP		JCN 11	JCN 16	JCN 18	JCN 23
Stand By Power	kVA ( kW <sub>e</sub> ) A	11,0 [8,8] 15,9	16,0 [12,8] 23,1	18,0 [14,4] 26,0	23,0 [18,4] 33,2
Prime Power	kVA ( kW <sub>e</sub> ) A	10,0 [8,0] 14,5	14,5 [11,6] 21,0	16,4 [13,1] 23,6	20,9 [16,7] 30,2
Continuous Power	kVA ( kW <sub>e</sub> ) A	7,0 [5,6] 10,1	10,2 [8,1] 14,7	11,5 [9,2] 16,6	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		INTER	INTER	INTER	INTER
Model		M13D	M20D	M22D	M28D
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	13,0	17,5	18,5	23,5
Net Engine Power	(kW)	11,0	15,5	16,5	21,5
Number of Cylinder		4	4	4	4
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Naturally	Naturally	Naturally	Naturally
Governing Type		Mechanic	Mechanic	Mechanic	Mechanic
Displacement	[L]	2,27	2,27	2,27	2,27
Bore and Stroke	[mm]	85 x 100	85 x 100	85 x 100	85 x 100
Compression Ratio		19.1:1	19.1:1	19.1:1	19.1:1
Electric System	[V]	12	12	12	12
Fuel Consumption Prime- %50 Loaded	[L/h]	1,5	2,2	2,3	3,0
Fuel Consumption Prime- % 75 Loaded	[L/h]	2,2	3,2	3,4	4,4
Fuel Consumption Prime- % 100 Loaded	[L/h]	2,9	4,2	4,4	5,8
Fuel Consumption Standby- %100 Loaded	[L/h]	3,2	4,5	4,8	6,2
Fuel Tank Capacity, w/o Canopy (Canopy)	[lit]	58 [100]	58 [100]	58 [100]	58 [100]
ALTERNATOR					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	10,0	15,0	16,0	21,0
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]	597 [1000]	597 [1000]	597 [1000]	597 [1000]
Length, Open [Canopy]	[mm]	1400 [2000]	1400 [2000]	1400 [2000]	1400 [2000]
Height, Open [Canopy]	[mm]	1309 [1190]	1309 [1190]	1309 [1190]	1309 [1190]
Weight, Open [Canopy]	[kg]	522 [650]	525 [660]	531 [670]	537 [680]

GROUP		JCN 26	JCN 30	JCN 34	JCN 38
Stand By Power	kVA ( kWe ) A	26,0 [20,8] 37,6	30,0 [24,0] 43,4	34,0 [27,2] 49,1	38,0 [30,4] 54,9
Prime Power	kVA ( kWe ) A	23,6 [18,9] 34,2	27,3 [21,8] 39,4	30,9 [24,7] 44,7	34,5 [27,6] 49,9
Continuous Power	kVA ( kWe ) A	16,5 [13,2] 23,9	19,1 [15,3] 27,6	21,6 [17,3] 31,3	24,2 [19,3] 34,9
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
ENGINE					
Make		INTER	INTER	INTER	INTER
Model		M32D	M37D	M42D	M49TD
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	26,0	30,0	34,0	38,0
Net Engine Power	(kW)	24,0	28,0	32,0	36,0
Number of Cylinder		4	4	4	4
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Naturally	Naturally	Naturally	Naturally
Governing Type		Mechanic	Mechanic	Mechanic	Mechanic
Displacement	[L]	2,77	2,77	2,77	2,55
Bore and Stroke	[mm]	93 x 102	93 x 102	93 x 102	90 x 100
Compression Ratio		19.1:1	19.1:1	19.1:1	19.1:1
Electric System	[V]	12	12	12	12
Fuel Consumption Prime- %50 Loaded	[L/h]	3,3	3,8	4,4	4,8
Fuel Consumption Prime- % 75 Loaded	[L/h]	4,9	5,6	6,4	7,1
Fuel Consumption Prime- % 100 Loaded	[L/h]	6,4	7,4	8,4	9,3
Fuel Consumption Standby- %100 Loaded	[L/h]	7,0	8,1	9,3	10,4
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	58 [100]	58 [100]	58 [100]	58 [100]
ALTERNATOR					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	24,0	27,0	31,0	35,0
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]	597 [1000]	619 [1000]	619 [1000]	619 [1000]
Length, Open [Canopy]	[mm]	1400 [2000]	1400 [2000]	1400 [2300]	1400 [2300]
Height, Open [Canopy]	[mm]	1309 [1190]	1329 [1190]	1329 [1190]	1329 [1190]
Weight, Open [Canopy]	[kg]	553 [690]	557 [710]	557 [730]	585 [740]

# DIESEL GENERATORS -- JCN SERIES

GROUP		JCN 44	JCN 51	JCN 55	JCN 60
Stand By Power	kVA ( kWe ) A	44,0 [35,2] 63,6	51,0 [40,8] 73,7	55,0 [44,0] 79,5	60,0 [48,0] 86,7
Prime Power	kVA ( kWe) A	40,0 [32,0] 57,8	46,4 [37,1] 67,0	50,0 [40,0] 72,3	54,5 [43,6] 78,8
Continuous Power	kVA ( kWe) A	28,0 [22,4] 40,5	32,5 [26,0] 46,9	35,0 [28,0] 50,6	38,2 [30,5] 55,2
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
ENGINE					
Make		INTER	INTER	INTER	INTER
Model		M54TD	M63TD	M68TD	M74TD
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	44,0	50,0	53,0	58,0
Net Engine Power	(kW)	41,0	46,0	49,0	54,0
Number of Cylinder		4	4	4	4
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged	Turbocharged	Turbocharged	Turbocharged
Governing Type		Mechanic	Mechanic	Mechanic	Mechanic
Displacement	[L]	2,55	2,55	2,55	3,76
Bore and Stroke	[mm]	90 x 100	90 x 100	90 x 100	102 x 115
Compression Ratio		19.1:1	19.1:1	19.1:1	17.5:1
Electric System	[V]	12	12	12	12
Fuel Consumption Prime- %50 Loaded	[L/h]	5,4	6,2	6,6	7,2
Fuel Consumption Prime- % 75 Loaded	[L/h]	8,0	9,1	9,7	10,7
Fuel Consumption Prime- % 100 Loaded	[L/h]	10,5	11,9	12,7	13,9
Fuel Consumption Standby- %100 Loaded	[L/h]	11,7	13,4	14,3	15,6
Fuel Tank Capacity, w/o Canopy (Canopy)	[lit]	55 [100]	55 [100]	55 [100]	134 [100]
ALTERNATOR					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	40,0	46,0	50,0	55,0
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]	622 [1000]	622 [1000]	622 [1000]	700 [1000]
Length, Open [Canopy]	[mm]	1600 [2300]	1600 [2300]	1600 [2300]	1700 [2700]
Height, Open [Canopy]	[mm]	1329 [1190]	1329 [1190]	1329 [1190]	1562 [1190]
Weight, Open [Canopy]	[kg]	657 [830]	685 [850]	701 [870]	857 [990]

GROUP		JCN 71	JCN 85	JCN 100	JCN 100C
Stand By Power	kVA ( kWe ) A	71,0 [56,8] 102,6	85,0 [68,0] 122,8	100,0 [80,0] 144,5	100,0 [80,0] 144,5
Prime Power	kVA ( kWe ) A	64,5 [51,6] 93,3	77,3 [61,8] 111,7	90,9 [72,7] 131,4	90,9 [72,7] 131,4
Continuous Power	kVA ( kWe ) A	45,2 [36,1] 65,3	54,1 [43,3] 78,2	63,6 [50,9] 92,0	63,6 [50,9] 92,0
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
ENGINE					
Make		INTER	INTER	INTER	INTER
Model		M88TD	M105TDI	E124TD	E124TD
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	69,0	80,0	94,0	94,0
Net Engine Power	(kW)	65,0	76,0	90,0	90,0
Number of Cylinder		4	4	4	4
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged	Turbocharged/ Intercooler	Turbocharged	Turbocharged
Governing Type		Mechanic	Mechanic	Electronic	Electronic
Displacement	[L]	3,76	3,76	4,5	4,3
Bore and Stroke	[mm]	102 x 115	102 x 115	105 x 130	105 x 124
Compression Ratio		17.5:1	17.5:1	16:1	17.3:1
Electric System	[V]	12	12	12	12
Fuel Consumption Prime- %50 Loaded	[L/h]	8,7	10,2	11,4	9,9
Fuel Consumption Prime- % 75 Loaded	[L/h]	12,8	15,0	16,8	13,8
Fuel Consumption Prime- % 100 Loaded	[L/h]	16,8	19,6	21,9	18,2
Fuel Consumption Standby- %100 Loaded	[L/h]	18,8	22,0	24,5	20,6
Fuel Tank Capacity, w/o Canopy (Canopy)	[l]	134 [100]	161 [100]	161 [205]	161 [223]
ALTERNATOR					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	65,0	77,0	91,0	91,0
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]	700 [1000]	700 [1000]	700 [1042]	700 [1000]
Length, Open [Canopy]	[mm]	1700 [2700]	1900 [2700]	1900 [2615]	1900 [3000]
Height, Open [Canopy]	[mm]	1562 [1190]	1562 [1190]	1562 [1766]	1562 [1380]
Weight, Open [Canopy]	[kg]	877 [1010]	957 [1080]	1024 [1200]	1024 [1200]

# DIESEL GENERATORS -- JCN SERIES

GROUP		JCN 120	JCN 120C	JCN 135	JCN 135C
Stand By Power	kVA ( kWe ) A	120,0 [96,0] 173,4	120,0 [96,0] 173,4	135,0 [108,0] 195,1	135,0 [108,0] 195,1
Prime Power	kVA ( kWe ) A	109,1 [87,3] 157,6	109,1 [87,3] 157,6	122,7 [98,2] 177,4	122,7 [98,2] 177,4
Continuous Power	kVA ( kWe ) A	76,4 [61,1] 110,4	76,4 [61,1] 110,4	85,9 [68,7] 124,1	85,9 [68,7] 124,1
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50

## ENGINE

Make		INTER	INTER	INTER	INTER
Model		E148TDI	E150TDI	E167TD	E170TD
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	111,0	113,0	124,0	94,0
Net Engine Power	(kW)	107,0	110,0	120,0	90,0
Number of Cylinder		4	4	6	4
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooler	Turbocharged/ Intercooler	Turbocharged	Turbocharged/ Intercooler
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	4,5	4,3	6,49	4,3
Bore and Stroke	[mm]	105 x 130	105 x 124	105 x 125	105 x 124
Compression Ratio		16:1	16:1	16:1	16:1
Electric System	[V]	12	12	24	12
Fuel Consumption Prime- %50 Loaded	[L/h]	13,1	11,9	15,5	13,4
Fuel Consumption Prime- % 75 Loaded	[L/h]	19,5	16,6	22,7	18,7
Fuel Consumption Prime- % 100 Loaded	[L/h]	25,6	21,9	29,7	24,6
Fuel Consumption Standby- %100 Loaded	[L/h]	28,4	24,7	32,8	27,8
Fuel Tank Capacity, w/o Canopy (Canopy)	[lit]	161 [205]	161 [223]	190 [376]	190 [223]

## ALTERNATOR

Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	109,0	109,0	123,0	123,0
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]	700 [1042]	700 [1000]	800 [1153]	800 [1000]
Length, Open [Canopy]	[mm]	1900 [2615]	1900 [3000]	2150 [2971]	2150 [3000]
Height, Open [Canopy]	[mm]	1562 [1766]	1562 [1380]	1549 [2027]	1549 [1380]
Weight, Open [Canopy]	[kg]	1067 [1240]	1067 [1240]	1205 [1610]	1205 [1610]

GROUP		JCN 155	JCN 155C	JCN 175	JCN 175C
Stand By Power	kVA ( kWe ) A	155,0 [124,0] 224,0	155,0 [124,0] 224,0	175,0 [140,0] 252,9	175,0 [140,0] 252,9
Prime Power	kVA ( kWe) A	140,9 [112,7] 203,6	140,9 [112,7] 203,6	159,1 [127,3] 229,9	159,1 [127,3] 229,9
Continuous Power	kVA ( kWe) A	98,6 [78,9] 142,5	98,6 [78,9] 142,5	111,4 [89,1] 160,9	111,4 [89,1] 160,9
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50

### ENGINE

Make		INTER	INTER	INTER	INTER
Model		E192TD	E195TD	E216TDI	E170TD
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	140,0	143,0	160,0	94,0
Net Engine Power	(kW)	136,0	139,0	155,0	90,0
Number of Cylinder		6	4	6	6
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged	Turbocharged/ Intercooler	Turbocharged/ Intercooler	Turbocharged/ Intercooler
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	6,49	4,3	6,49	6,5
Bore and Stroke	[mm]	105 x 125	105 x 124	105 x 125	105 x 124
Compression Ratio		16:1	16:1	16:1	16:1
Electric System	[V]	24	12	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	16,7	15,2	19,1	17,4
Fuel Consumption Prime- % 75 Loaded	[L/h]	24,9	21,2	28,4	24,2
Fuel Consumption Prime- % 100 Loaded	[L/h]	32,6	28,0	37,2	31,9
Fuel Consumption Standby- %100 Loaded	[L/h]	36,2	31,6	41,3	36,0
Fuel Tank Capacity, w/o Canopy (Canopy)	[l]	190 [376]	190 [223]	256 [376]	256 [678]

### ALTERNATOR

Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	141,0	141,0	159,0	159,0
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]	800 [1153]	800 [1000]	900 [1153]	900 [1140]
Length, Open [Canopy]	[mm]	2150 [2971]	2150 [3000]	2400 [2971]	2400 [3650]
Height, Open [Canopy]	[mm]	1549 [2027]	1549 [1380]	1549 [2027]	1549 [1900]
Weight, Open [Canopy]	[kg]	1217 [1620]	1217 [1620]	1317 [1670]	1317 [1670]

# DIESEL GENERATORS -- JCN SERIES

GROUP		JCN 200	JCN 200C	JCN 235	JCN 235C
Stand By Power	kVA ( kWe ) A	200,0 [160,0] 289,0	200,0 [160,0] 289,0	235,0 [188,0] 339,6	235,0 [188,0] 339,6
Prime Power	kVA ( kWe ) A	181,8 [145,5] 262,7	181,8 [145,5] 262,7	213,6 [170,9] 308,7	213,6 [170,9] 308,7
Continuous Power	kVA ( kWe ) A	127,3 [101,8] 183,9	127,3 [101,8] 183,9	149,5 [119,6] 216,1	149,5 [119,6] 216,1
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50

## ENGINE

Make		INTER	INTER	INTER	INTER
Model		E247TDI	E250TDI	E290TDI	E295TDI
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	180,0	189,0	210,0	220,0
Net Engine Power	(kW)	174,0	183,0	204,0	214,0
Number of Cylinder		6	6	6	6
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooler	Turbocharged/ Intercooler	Turbocharged/ Intercooler	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	6,75	6,5	7,02	6,5
Bore and Stroke	[mm]	105 x 130	105 x 124	105 x 135	105 x 124
Compression Ratio		16:1	16:1	16:1	16:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	21,5	19,9	25,2	23,4
Fuel Consumption Prime- % 75 Loaded	[L/h]	32,0	27,6	37,4	32,5
Fuel Consumption Prime- % 100 Loaded	[L/h]	41,9	36,5	49,0	42,8
Fuel Consumption Standby- %100 Loaded	[L/h]	46,2	41,1	54,2	48,3
Fuel Tank Capacity, w/o Canopy (Canopy)	[l]	256 [376]	256 [678]	256 [376]	256 [678]

## ALTERNATOR

Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	182,0	182,0	214,0	214,0
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 [1140]	900 [1153]	900 [1140]
Length, Open [Canopy]	[mm]	2400 [2971]	2400 [3650]	2400 [2971]	2400 [3650]
Height, Open [Canopy]	[mm]	1549 [2027]	1549 [1900]	1549 [2027]	1549 [1900]
Weight, Open [Canopy]	[kg]	1328 [1690]	1328 [1690]	1450 [1810]	1450 [1810]



GROUP		JCN 255	JCN 255G	JCN 280	JCN 280G
Stand By Power	kVA ( kWe ) A	255,0 [204,0] 368,5	255,0 [204,0] 368,5	280,0 [224,0] 404,6	280,0 [224,0] 404,6
Prime Power	kVA ( kWe) A	231,8 [185,5] 335,0	231,8 [185,5] 335,0	254,5 [203,6] 367,8	254,5 [203,6] 367,8
Continuous Power	kVA ( kWe) A	162,3 [129,8] 234,5	162,3 [129,8] 234,5	178,2 [142,5] 257,5	178,2 [142,5] 257,5
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50

### ENGINE

Make		INTER	INTER	INTER	INTER
Model		E315TDI	E325TDI	E346TDI	E355TDI
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	228,0	228,0	250,0	250,0
Net Engine Power	(kW)	220,0	220,0	242,0	242,0
Number of Cylinder		6	6	6	6
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	7,82	9,726	7,82	9,726
Bore and Stroke	[mm]	113 x 130	126 x 130	113 x 130	126 x 130
Compression Ratio		17:1	17:1	17:1	17:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	27,1	27,2	29,8	29,9
Fuel Consumption Prime- % 75 Loaded	[L/h]	39,7	39,9	44,3	44,5
Fuel Consumption Prime- % 100 Loaded	[L/h]	51,8	52,1	58,1	58,3
Fuel Consumption Standby- %100 Loaded	[L/h]	58,4	58,6	64,3	64,4
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	256 [445]	256 [678]	256 [445]	256 [678]

### ALTERNATOR

Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	232,0	232,0	255,0	255,0
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 [1140]	900 [1140]	900 [1140]	900 [1140]
Length, Open [Canopy]	[mm]	2400 [3409]	2400 [4100]	2400 [3409]	2400 [4100]
Height, Open [Canopy]	[mm]	1840 [1955]	1840 [1900]	1840 [1955]	1840 [1900]
Weight, Open [Canopy]	[kg]	1554 [1940]	1554 [1940]	1589 [2010]	1589 [2010]

# DIESEL GENERATORS -- JCN SERIES

GROUP		JCN 300	JCN 350	JCN 410	JCN 450
Stand By Power	kVA ( kWe ) A	300,0 [240,0] 433,5	350,0 [280,0] 505,8	410,0 [328,0] 592,5	450,0 [360,0] 650,3
Prime Power	kVA ( kWe ) A	272,7 [218,2] 394,1	318,2 [254,5] 459,8	372,7 [298,2] 538,6	409,1 [327,3] 591,2
Continuous Power	kVA ( kWe ) A	190,9 [152,7] 275,9	222,7 [178,2] 321,9	260,9 [208,7] 377,0	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		INTER	INTER	INTER	INTER
Model		E371TDI	E433TDI	E507TDI	E556TDI
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	276,0	317,0	365,0	400,0
Net Engine Power	(kW)	260,0	301,0	349,0	384,0
Number of Cylinder		6	6	6	6
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	9,726	9,726	9,726	9,726
Bore and Stroke	[mm]	126 x 130	126 x 130	126 x 130	126 x 130
Compression Ratio		17:1	17:1	17:1	17:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	30,0	34,0	39,5	43,3
Fuel Consumption Prime- % 75 Loaded	[L/h]	45,0	49,8	57,8	63,4
Fuel Consumption Prime- % 100 Loaded	[L/h]	57,0	64,1	74,4	81,7
Fuel Consumption Standby- %100 Loaded	[L/h]	62,0	71,2	82,6	90,9
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	475 [678]	475 [678]	475 [678]	475 [678]

## ALTERNATOR

Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	273,0	318,0	373,0	409,0
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 [1140]	1100 [1140]	1100 [1140]	1100 [1140]
Length, Open [Canopy]	[mm]	3095 [4100]	3095 [4100]	3254 [4100]	3254 [4100]
Height, Open [Canopy]	[mm]	1782 [1900]	1782 [1900]	1782 [1900]	1782 [1900]
Weight, Open [Canopy]	[kg]	2159 [2600]	2163 [2600]	2353 [2790]	2379 [2970]

GROUP		JCN 475	JCN 515	JCN 565	JCN 610
Stand By Power	kVA ( kWe ) A	475,0 [380,0] 686,4	515,0 [412,0] 744,2	565,0 [452,0] 816,5	610,0 [488,0] 881,5
Prime Power	kVA ( kWe ) A	431,8 [345,5] 624,0	468,2 [374,5] 676,6	513,6 [410,9] 742,2	554,5 [443,6] 801,4
Continuous Power	kVA ( kWe ) A	302,3 [241,8] 436,8	327,7 [262,2] 473,6	359,5 [287,6] 519,6	388,2 [310,5] 561,0
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50

### ENGINE

Make		INTER	INTER	INTER	INTER
Model		E587TDI	E637TDI	E699TDI	E754TDI
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	426,0	460,0	500,0	538,0
Net Engine Power	(kW)	404,0	438,0	478,0	514,0
Number of Cylinder		6	6	6	6
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	11,596	11,596	11,596	12,56
Bore and Stroke	[mm]	126 x 155	126 x 155	126 x 155	127 x 165
Compression Ratio		17:1	17:1	17:1	17:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	45,7	49,5	51,3	55,2
Fuel Consumption Prime- % 75 Loaded	[L/h]	66,9	72,5	76,2	82,0
Fuel Consumption Prime- % 100 Loaded	[L/h]	86,1	93,4	100,0	107,7
Fuel Consumption Standby- %100 Loaded	[L/h]	95,6	103,7	111,4	119,8
Fuel Tank Capacity, w/o Canopy (Canopy)	[l]	673 [678]	673 [678]	673 [400]	1193 [400]

### ALTERNATOR

Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	432,0	468,0	514,0	555,0
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]	1200 [1140]	1200 [1140]	1200 [1646]	1400 [1646]
Length, Open [Canopy]	[mm]	3374 [4100]	3374 [4100]	3383 [4632]	3600 [4632]
Height, Open [Canopy]	[mm]	1953 [1900]	1953 [1900]	1953 [2641]	2070 [2641]
Weight, Open [Canopy]	[kg]	2761 [3620]	2878 [3740]	2931 [3790]	3325 [4070]

# DIESEL GENERATORS -- JCN SERIES

GROUP		JCN 610P	JCN 630	JCN 630P	JCN 660
Stand By Power	kVA ( kWe ) A	610,0 [488,0] 881,5	630,0 [504,0] 910,0	630,0 [504,0] 910,0	660,0 [528,0] 953,8
Prime Power	kVA ( kWe ) A	554,5 [443,6] 801,4	573,0 [458,0] 828,0	573,0 [458,0] 828,0	600,0 [480,0] 867,1
Continuous Power	kVA ( kWe ) A	388,2 [310,5] 561,0	401,0 [321,0] 579,0	401,0 [321,0] 579,0	420,0 [336,0] 606,9
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
<b>ENGINE</b>					
Make		INTER	INTER	INTER	INTER
Model		E765TDI	E779TDI	E790TDI	E816TDI
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	554,1	558,0	574,7	580,0
Net Engine Power	(kW)	529,4	536,0	552,1	556,0
Number of Cylinder		8	6	8	6
Configuration		V - Type	Vertical,In-Line	V - Type	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	15,948	12,56	15,948	12,56
Bore and Stroke	[mm]	128 x 155	127 x 165	128 x 155	127 x 165
Compression Ratio		15,5:1	17:1	15,5:1	17:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	58,9	54,0	61,4	59,6
Fuel Consumption Prime- % 75 Loaded	[L/h]	83,7	83,0	87,3	88,5
Fuel Consumption Prime- % 100 Loaded	[L/h]	111,6	110,0	116,3	116,2
Fuel Consumption Standby- %100 Loaded	[L/h]	125,3	124,0	130,7	129,6
Fuel Tank Capacity, w/o Canopy (Canopy)	[l]	1066 [400]	1193 [400]	1066 [400]	1193 [400]
<b>ALTERNATOR</b>					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	555,0	573,0	573,0	600,0
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
<b>DIMENSIONS</b>					
Width, Open [Canopy]	[mm]	1400 [1646]	1400 [1646]	1400 [1646]	1400 [1646]
Length, Open [Canopy]	[mm]	3311 [4632]	3600 [4632]	3311 [4632]	3600 [4632]
Height, Open [Canopy]	[mm]	1980 [2641]	2070 [2641]	1980 [2641]	2070 [2641]
Weight, Open [Canopy]	[kg]	3386 [4240]	3444 [4190]	3386 [4240]	3444 [4190]

GROUP		JCN 660P	JCN 725	JCN 770	JCN 825
Stand By Power	kVA ( kWe ) A	660,0 [528,0] 953,8	725,0 [580,0] 1,047,7	770,0 [616,0] 1.112,7	825,0 [660,0] 1.192,2
Prime Power	kVA ( kWe) A	600,0 [480,0] 867,1	659,1 [527,3] 952,4	700,0 [560,0] 1.011,6	750,0 [600,0] 1.083,8
Continuous Power	kVA ( kWe) A	420,0 [336,0] 606,9	461,4 [369,1] 666,7	490,0 [392,0] 708,1	525,0 [420,0] 758,7
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50

### ENGINE

Make		INTER	INTER	INTER	INTER
Model		E825TDI	E896TDI	E952TDI	E1020TDI
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	597,4	634,0	672,0	725,0
Net Engine Power	(kW)	572,7	611,0	649,0	695,0
Number of Cylinder		8	8	8	12
Configuration		V - Type	V - Type	V - Type	V - Type
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	15,948	15,948	15,948	23,922
Bore and Stroke	[mm]	128 x 155	128 x 155	128 x 155	128 x 155
Compression Ratio		15,5:1	15,5:1	15,5:1	15,5:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	63,6	68,0	72,1	77,2
Fuel Consumption Prime- % 75 Loaded	[L/h]	90,3	96,6	102,5	109,7
Fuel Consumption Prime- % 100 Loaded	[L/h]	120,4	128,7	136,6	146,2
Fuel Consumption Standby- %100 Loaded	[L/h]	135,5	144,5	153,5	164,5
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	1066 [400]	1066 [400]	1066 [400]	1193 [530]

### ALTERNATOR

Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	600,0	659,0	700,0	750,0
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 [1646]	1400 [1646]	1400 [1646]	1400 [1942]
Length, Open [Canopy]	[mm]	3311 [4632]	3311 [4632]	3311 [4632]	4000 [5166]
Height, Open [Canopy]	[mm]	1980 [2641]	1980 [2641]	1980 [2641]	2188 [2920]
Weight, Open [Canopy]	[kg]	3386 [4240]	3386 [4240]	3476 [4320]	4240 [5530]

# DIESEL GENERATORS -- JCN SERIES

GROUP		JCN 850	JCN 935	JCN 1000	JCN 1100
Stand By Power	kVA ( kWe ) A	850,0 [680,0] 1.228,3	935,0 [748,0] 1.351,2	1.000,0 [800,0] 1.445,1	1.100,0 [880,0] 1.589,6
Prime Power	kVA ( kWe ) A	772,7 [618,2] 1.116,7	850,0 [680,0] 1.228,3	909,1 [727,3] 1.313,7	1.000,0 [800,0] 1.445,1
Continuous Power	kVA ( kWe ) A	540,9 [432,7] 781,7	595,0 [476,0] 859,8	636,4 [509,1] 916,6	700,0 [560,0] 1.011,6
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50

## ENGINE

Make		INTER	INTER	INTER	INTER
Model		E1051TDI	E1156TDI	E1236TDI	E1360TDI
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	745,0	817,0	872,0	950,0
Net Engine Power	(kW)	715,0	787,0	842,0	920,0
Number of Cylinder		12	12	12	12
Configuration		V - Type	V - Type	V - Type	V - Type
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	23,922	23,922	23,922	23,922
Bore and Stroke	[mm]	128 x 155	128 x 155	128 x 155	128 x 155
Compression Ratio		15,5:1	15,5:1	15,5:1	15,5:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	79,4	87,6	93,8	102,7
Fuel Consumption Prime- % 75 Loaded	[L/h]	112,8	124,5	133,2	145,9
Fuel Consumption Prime- % 100 Loaded	[L/h]	150,4	166,0	177,6	194,5
Fuel Consumption Standby- %100 Loaded	[L/h]	169,2	186,3	199,3	217,8
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	773,0	850,0	909,0	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]	4250 [5540]	4358 [5650]	4580 [5870]	4667 [5960]

GROUP		JCN 1250	JCN 1400	JCN 1560	JCN 1650
Stand By Power	kVA ( kWe ) A	1.250,0 [1.000,0] 1.806,4	1.400,0 [1.120,0] 2.023,1	1.560,0 [1.248,0] 2.254,3	1.650,0 [1.320,0] 2.384,4
Prime Power	kVA ( kWe ) A	1.136,4 [909,1] 1.642,1	1.272,7 [1.018,2] 1.839,2	1.418,2 [1.134,5] 2.049,4	1.500,0 [1.200,0] 2.167,6
Continuous Power	kVA ( kWe ) A	795,5 [636,4] 1.149,5	890,9 [712,7] 1.287,4	992,7 [794,2] 1.434,6	1.050,0 [840,0] 1.517,3
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50

ENGINE					
Make		INTER	INTER	INTER	INTER
Model		E1545TDI	E1732TDI	E1928TDI	E2040TDI
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	1070,0	1200,0	1334,0	1410,0
Net Engine Power	(kW)	1047,0	1169,0	1303,0	1375,0
Number of Cylinder		12	12	12	12
Configuration		V - Type	V - Type	V - Type	V - Type
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	32,7	32,7	32,7	35,9
Bore and Stroke	[mm]	145 x 165	145 x 165	145 x 165	152 x 165
Compression Ratio		15,5:1	14,5:1	14,5:1	14:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	116,6	129,7	144,8	153,1
Fuel Consumption Prime- % 75 Loaded	[L/h]	165,6	184,2	205,6	217,5
Fuel Consumption Prime- % 100 Loaded	[L/h]	220,8	245,6	274,2	289,9
Fuel Consumption Standby- %100 Loaded	[L/h]	247,8	276,7	308,4	325,4
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	2000 [2000]	2250 [2250]	2250 [2250]	2500 [2500]

ALTERNATOR					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	1136,0	1273,0	1418,0	1500,0
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]	1800 [2144]	2000 [2390]	2000 [2390]	2465 [2418]
Length, Open [Canopy]	[mm]	4200 [5916]	4500 [6769]	4500 [6769]	4500 [7885]
Height, Open [Canopy]	[mm]	2135 [2759]	2310 [3156]	2310 [3156]	2463 [3308]
Weight, Open [Canopy]	[kg]	6470 [9810]	7120 [11500]	7210 [11870]	7540 [11870]

# DIESEL GENERATORS -- JCN SERIES

GROUP		JCN 1750	JCN 1925	JCN 2000	JCN 2250
Stand By Power	kVA ( kWe ) A	1.750,0 [1.400,0] 2.528,9	1.925,0 [1.540,0] 2.781,8	2.000,0 [1.600,0] 2.890,2	2.250,0 [1.800,0] 3.251,4
Prime Power	kVA ( kWe ) A	1.590,9 [1.272,7] 2.299,0	1.750,0 [1.400,2] 2.528,9	1.818,2 [1.454,5] 2.627,4	2.045,5 [1.636,4] 2.955,9
Continuous Power	kVA ( kWe ) A	1.113,6 [890,9] 1.609,3	1.225,0 [980,0] 1.770,2	1.272,7 [1.018,2] 1.839,2	1.431,8 [1.145,5] 2.069,1
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
ENGINE					
Make		INTER	INTER	INTER	INTER
Model		E2164TDI	E2380TDI	E2473TDI	E2040TDI
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	1500,0	1640,0	1725,0	1950,0
Net Engine Power	(kW)	1465,0	1605,0	1667,0	1875,0
Number of Cylinder		12	12	12	12
Configuration		V - Type	V - Type	V - Type	V - Type
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	35,9	35,9	79,17	79,17
Bore and Stroke	[mm]	152 x 165	152 x 165	200 x 210	200 x 210
Compression Ratio		14:1	14:1	13,5:1	13,5:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	162,7	178,6	199,8	225,2
Fuel Consumption Prime- % 75 Loaded	[L/h]	231,0	253,6	287,0	323,5
Fuel Consumption Prime- % 100 Loaded	[L/h]	308,0	338,2	364,4	410,8
Fuel Consumption Standby- %100 Loaded	[L/h]	346,7	379,9	403,8	454,2
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	2500 [2500]	3000 [3000]	3000 [3000]	3500 [3500]
ALTERNATOR					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	1591,0	1750,0	1818,0	2045,0
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	±0.5	±0.5	±0.5
DIMENSIONS					
Width, Open [Canopy]	[mm]	2465 [2418]	2465 [2418]	2600 [2800]	2600 [2800]
Length, Open [Canopy]	[mm]	4500 [7885]	4500 [7885]	5700 [9000]	5700 [9000]
Height, Open [Canopy]	[mm]	2463 [3308]	2463 [3308]	2643 [2900]	2643 [2900]
Weight, Open [Canopy]	[kg]	7820 [12320]	8270 [18350]	13330 [18350]	13570 [18590]



GROUP		JCN 2500	JCN 2750	JCN 3000	JCN 3300
Stand By Power	kVA ( kWe ) A	2.500,0 [2.000,0] 3.612,7	2.750,0 [2.200,0] 3.974,0	3.000,0 [2.400,0] 4.335,3	3.300,0 [2.640,0] 4.768,8
Prime Power	kVA ( kWe ) A	2.272,7 [1.818,2] 3.284,3	2.500,0 [2.000,0] 3.612,7	2.727,3 [2.181,8] 3.941,1	3.000,0 [2.400,0] 4.335,3
Continuous Power	kVA ( kWe ) A	1.590,9 [1.272,7] 2.299,0	1.750,0 [1.400,0] 2.528,9	1.909,1 [1.527,3] 2.758,8	2.100,0 [1.680,0] 3.034,7
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50

### ENGINE

Make		INTER	INTER	INTER	INTER
Model		E3091TDI	E3400TDI	E3709TDI	E4080TDI
Speed	(RPM)	1500	1500	1500	1500
Gross Engine Power	(kW)	2160,0	2390,0	2600,0	2850,0
Net Engine Power	(kW)	2085,0	2292,0	2272,0	2752,0
Number of Cylinder		12	16	16	16
Configuration		V - Type	V - Type	V - Type	V - Type
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	79,17	105,56	105,56	105,56
Bore and Stroke	[mm]	200 x 210	200 x 210	200 x 210	200 x 210
Compression Ratio		13,5:1	13,5:1	13,5:1	13,5:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	236,1	276,3	282,1	308,1
Fuel Consumption Prime- % 75 Loaded	[L/h]	345,0	386,2	408,4	441,5
Fuel Consumption Prime- % 100 Loaded	[L/h]	456,6	506,8	553,1	612,0
Fuel Consumption Standby- %100 Loaded	[L/h]	505,1	581,8	632,2	701,8
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	4000 [4000]	4000 [4000]	5000 [5000]	6000 [6000]

### ALTERNATOR

Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	400 V-kVA	2300,0	2500,0	2727,0	3000,0
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		±0.5	±0.5	±0.5	±0.5

### DIMENSIONS

Width, Open [Canopy]	[mm]	2600 [2800]	2400 [2430]	2400 [2430]	2400 [2430]
Length, Open [Canopy]	[mm]	5700 [9000]	7500 [12000]	7500 [12000]	7500 [12000]
Height, Open [Canopy]	[mm]	2643 [2900]	3100 [3300]	3100 [3300]	3100 [3300]
Weight, Open [Canopy]	[kg]	13870 [18890]	18000 [24500]	19000 [26000]	19500 [26500]

# DIESEL GENERATORS -- JCN SERIES

GROUP		JCN 13	JCN 19	JCN 22	JCN 28
Stand By Power	kVA ( kWe ) A	13,0 [10,4] 18,8	19,0 [15,2] 27,5	22,0 [17,6] 31,8	28,0 [22,4] 40,5
Prime Power	kVA ( kWe ) A	11,8 [9,5] 17,1	17,3 [13,8] 25,0	20,0 [16,0] 28,9	25,5 [20,4] 36,8
Continuous Power	kVA ( kWe ) A	8,3 [6,6] 12,0	12,1 [9,7] 17,5	14,0 [11,2] 20,2	17,8 [14,3] 25,7
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	60	60	60	60
ENGINE					
Make		INTER	INTER	INTER	INTER
Model		M13D	M20D	M22D	M28D
Speed	(RPM)	1800	1800	1800	1800
Gross Engine Power	(kW)	15,6	21,0	22,2	28,2
Net Engine Power	(kW)	13,3	18,7	19,9	25,9
Number of Cylinder		4	4	4	4
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Naturally	Naturally	Naturally	Naturally
Governing Type		Mechanic	Mechanic	Mechanic	Mechanic
Displacement	[L]	2,27	2,27	2,27	2,27
Bore and Stroke	[mm]	85 x 100	85 x 100	85 x 100	85 x 100
Compression Ratio		19.1:1	19.1:1	19.1:1	19.1:1
Electric System	[V]	12	12	12	12
Fuel Consumption Prime- %50 Loaded	[L/h]	1,9	2,6	2,8	3,6
Fuel Consumption Prime- % 75 Loaded	[L/h]	2,7	3,8	4,1	5,3
Fuel Consumption Prime- % 100 Loaded	[L/h]	3,6	5,0	5,3	6,9
Fuel Consumption Standby- %100 Loaded	[L/h]	3,9	5,4	5,8	7,5
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	58 [100]	58 [100]	58 [100]	58 [100]
ALTERNATOR					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	480 V-kVA	13,0	19,0	20,0	26,0
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		277 / 480 V	277 / 480 V	277 / 480 V	277 / 480 V
Voltage Regulation		±1	±1	±1	±1
DIMENSIONS					
Width, Open [Canopy]	[mm]	597 [1000]	597 [1000]	597 [1000]	597 [1000]
Length, Open [Canopy]	[mm]	1400 [2000]	1400 [2000]	1400 [2000]	1400 [2000]
Height, Open [Canopy]	[mm]	1309 [1190]	1309 [1190]	1309 [1190]	1309 [1190]
Weight, Open [Canopy]	[kg]	522 [650]	525 [660]	531 [670]	537 [680]

GROUP		JCN 31	JCN 36	JCN 41	JCN 46
Stand By Power	kVA ( kWe ) A	31,0 [24,8] 44,8	36,0 [28,8] 52,0	41,0 [32,8] 59,2	46,0 [36,8] 66,5
Prime Power	kVA ( kWe) A	28,2 [22,5] 40,7	32,7 [26,2] 47,3	37,3 [29,8] 53,9	41,8 [33,5] 60,4
Continuous Power	kVA ( kWe) A	19,7 [15,8] 28,5	22,9 [18,3] 33,1	37,3 [29,8] 53,9	29,3 [23,4] 42,3
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	60	60	60	60
ENGINE					
Make		INTER	INTER	INTER	INTER
Model		M32D	M37D	M42D	M49TD
Speed	(RPM)	1800	1800	1800	1800
Gross Engine Power	(kW)	31,2	36,0	40,8	38,0
Net Engine Power	(kW)	28,9	30,9	38,5	36,0
Number of Cylinder		4	4	4	4
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Naturally	Naturally	Naturally	Naturally
Governing Type		Mechanic	Mechanic	Mechanic	Mechanic
Displacement	[L]	2,77	2,77	2,77	2,55
Bore and Stroke	[mm]	93 x 102	93 x 102	93 x 102	90 x 100
Compression Ratio		19.1:1	19.1:1	19.1:1	19.1:1
Electric System	[V]	12	12	12	12
Fuel Consumption Prime- %50 Loaded	[L/h]	4,0	4,6	5,2	5,9
Fuel Consumption Prime- % 75 Loaded	[L/h]	5,9	6,7	7,7	8,6
Fuel Consumption Prime- % 100 Loaded	[L/h]	7,7	8,8	10,1	11,3
Fuel Consumption Standby- %100 Loaded	[L/h]	8,4	9,8	11,2	12,6
Fuel Tank Capacity, w/o Canopy (Canopy)	[lit]	58 [100]	58 [100]	58 [100]	58 [100]
ALTERNATOR					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	480 V-kVA	30,0	36,0	40,0	45,0
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		277 / 480 V	277 / 480 V	277 / 480 V	277 / 480 V
Voltage Regulation		±1	±1	±1	±1
DIMENSIONS					
Width, Open [Canopy]	[mm]	597 [1000]	619 [1000]	619 [1000]	619 [1000]
Length, Open [Canopy]	[mm]	1400 [2000]	1400 [2000]	1400 [2300]	1400 [2300]
Height, Open [Canopy]	[mm]	1309 [1190]	1329 [1190]	1329 [1190]	1329 [1190]
Weight, Open [Canopy]	[kg]	553 [690]	557 [710]	557 [730]	585 [740]

# DIESEL GENERATORS -- JCN SERIES

GROUP		JCN 52	JCN 62	JCN 67	JCN 70
Stand By Power	kVA ( kWe ) A	52,0 [41,6] 75,1	62,0 [49,6] 89,6	67,0 [53,6] 96,8	70,0 [56,0] 101,2
Prime Power	kVA ( kWe ) A	47,3 [37,8] 68,3	56,4 [45,1] 81,5	60,9 [48,7] 88,0	63,6 [50,9] 92,0
Continuous Power	kVA ( kWe ) A	33,1 [26,5] 47,8	39,5 [31,6] 57,0	42,6 [34,1] 61,6	44,5 [35,6] 64,4
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	60	60	60	60
ENGINE					
Make		INTER	INTER	INTER	INTER
Model		M54TD	M63TD	M68TD	M74TD
Speed	(RPM)	1800	1800	1800	1800
Gross Engine Power	(kW)	52,8	60,0	63,6	69,6
Net Engine Power	(kW)	48,8	55,8	59,4	64,8
Number of Cylinder		4	4	4	4
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged	Turbocharged	Turbocharged	Turbocharged
Governing Type		Mechanic	Mechanic	Mechanic	Mechanic
Displacement	[L]	2,55	2,55	2,55	3,76
Bore and Stroke	[mm]	90 x 100	90 x 100	90 x 100	102 x 115
Compression Ratio		19.1:1	19.1:1	19.1:1	17.5:1
Electric System	[V]	12	12	12	12
Fuel Consumption Prime- %50 Loaded	[L/h]	6,5	7,4	7,9	8,7
Fuel Consumption Prime- % 75 Loaded	[L/h]	9,6	10,9	11,7	12,8
Fuel Consumption Prime- % 100 Loaded	[L/h]	12,6	14,4	15,3	16,7
Fuel Consumption Standby- %100 Loaded	[L/h]	14,1	16,2	17,2	18,8
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	55 [100]	55 [100]	55 [100]	134 [100]
ALTERNATOR					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	480 V-kVA	48,0	61,0	61,0	63,0
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		277 / 480 V	277 / 480 V	277 / 480 V	277 / 480 V
Voltage Regulation		±1	±1	±1	±1
DIMENSIONS					
Width, Open [Canopy]	[mm]	622 [1000]	622 [1000]	622 [1000]	700 [1000]
Length, Open [Canopy]	[mm]	1600 [2300]	1600 [2300]	1600 [2300]	1700 [2700]
Height, Open [Canopy]	[mm]	1329 [1190]	1329 [1190]	1329 [1190]	1562 [1190]
Weight, Open [Canopy]	[kg]	657 [830]	685 [850]	701 [870]	857 [990]

GROUP		JCN 85	JCN 102	JCN 100C	JCN 108
Stand By Power	kVA ( kWe ) A	85,0 [68,0] 122,8	102,0 [81,6] 147,4	100,0 [80,0] 144,5	108,0 [86,4] 156,1
Prime Power	kVA ( kWe ) A	77,3 [61,8] 111,7	92,7 [74,2] 134,0	90,9 [72,7] 131,4	98,2 [78,5] 141,9
Continuous Power	kVA ( kWe ) A	54,1 [43,3] 78,2	64,9 [51,9] 93,8	63,6 [50,9] 92,0	68,7 [55,0] 99,3
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	60	60	60	60
ENGINE					
Make		INTER	INTER	INTER	INTER
Model		M88TD	M105TDI	E125TD	E124TD
Speed	(RPM)	1800	1800	1800	1800
Gross Engine Power	(kW)	82,8	96,0	95,0	101,0
Net Engine Power	(kW)	78,0	91,2	91,0	97,2
Number of Cylinder		4	4	4	4
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged	Turbocharged/ Intercooler	Turbocharged	Turbocharged
Governing Type		Mechanic	Mechanic	Electronic	Electronic
Displacement	[L]	3,76	3,76	4,3	4,5
Bore and Stroke	[mm]	102 x 115	102 x 115	105 x 124	105 x 130
Compression Ratio		17.5:1	17.5:1	17.3:1	16:1
Electric System	[V]	12	12	12	12
Fuel Consumption Prime- %50 Loaded	[L/h]	10,5	12,2	9,9	12,5
Fuel Consumption Prime- % 75 Loaded	[L/h]	15,4	18,0	13,8	18,3
Fuel Consumption Prime- % 100 Loaded	[L/h]	20,1	23,5	18,2	23,9
Fuel Consumption Standby- %100 Loaded	[L/h]	22,6	26,4	20,6	26,4
Fuel Tank Capacity, w/o Canopy (Canopy)	[lit]	134 [100]	161 [100]	161 [223]	161 [205]
ALTERNATOR					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	480 V-kVA	85,0	92,0	92,0	114,0
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		277 / 480 V	277 / 480 V	277 / 480 V	277 / 480 V
Voltage Regulation		±1	±1	±1	±1
DIMENSIONS					
Width, Open [Canopy]	[mm]	700 [1000]	700 [1000]	700 [1000]	700 [1042]
Length, Open [Canopy]	[mm]	1700 [2700]	1900 [2700]	1900 [3000]	1900 [2615]
Height, Open [Canopy]	[mm]	1562 [1190]	1562 [1190]	1562 [1380]	1562 [1766]
Weight, Open [Canopy]	[kg]	877 [1010]	957 [1080]	1024 [1200]	1024 [1200]

# DIESEL GENERATORS -- JCN SERIES

GROUP		JCN 120C	JCN 125	JCN 135C	JCN 141
Stand By Power	kVA ( kW <sub>e</sub> ) A	120,0 [96,0] 173,4	125,0 [100,0] 180,6	135,0 [108,0] 195,1	141,0 [112,8] 203,8
Prime Power	kVA ( kW <sub>e</sub> ) A	109,1 [87,3] 157,6	113,6 [90,9] 164,2	122,7 [98,2] 177,4	128,2 [102,5] 185,2
Continuous Power	kVA ( kW <sub>e</sub> ) A	76,4 [61,1] 110,4	79,5 [63,6] 115,0	85,9 [68,7] 124,1	89,7 [71,8] 129,7
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	60	60	60	60
<b>ENGINE</b>					
Make		INTER	INTER	INTER	INTER
Model		E150TDI	E148TDI	E170TD	E167TD
Speed	(RPM)	1800	1800	1800	1800
Gross Engine Power	(kW)	113,0	118,0	127,0	127,0
Net Engine Power	(kW)	110,0	114,2	123,0	123,0
Number of Cylinder		4	4	4	6
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooler	Turbocharged/ Intercooler	Turbocharged/ Intercooler	Turbocharged/ Intercooler
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	4,3	4,5	4,3	6,49
Bore and Stroke	[mm]	105 x 124	105 x 130	105 x 124	105 x 125
Compression Ratio		16:1	16:1	16:1	16:1
Electric System	[V]	12	12	12	24
Fuel Consumption Prime- %50 Loaded	[L/h]	11,9	14,1	13,4	16,1
Fuel Consumption Prime- % 75 Loaded	[L/h]	16,6	20,9	18,7	23,7
Fuel Consumption Prime- % 100 Loaded	[L/h]	21,9	27,4	24,6	31,0
Fuel Consumption Standby- %100 Loaded	[L/h]	24,7	30,3	27,8	34,3
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	161 [223]	161 [205]	190 [223]	190 [376]
<b>ALTERNATOR</b>					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	480 V-kVA	114,0	114,0	129,0	129,0
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		277 / 480 V	277 / 480 V	277 / 480 V	277 / 480 V
Voltage Regulation		±1	±1	±1	±1
<b>DIMENSIONS</b>					
Width, Open [Canopy]	[mm]	700 [1000]	700 [1042]	800 [1000]	800 [1153]
Length, Open [Canopy]	[mm]	1900 [3000]	1900 [2615]	2150 [3000]	2150 [2971]
Height, Open [Canopy]	[mm]	1562 [1380]	1562 [1766]	1549 [1380]	1549 [2027]
Weight, Open [Canopy]	[kg]	1067 [1240]	1067 [1240]	1205 [1610]	1205 [1610]

GROUP		JCN 155C	JCN 162	JCN 175C	JCN 192
Stand By Power	kVA ( kWe ) A	155,0 [124,0] 224,0	162,0 [129,6] 234,1	175,0 [140,0] 252,9	192,0 [153,6] 277,5
Prime Power	kVA ( kWe ) A	140,9 [112,7] 203,6	147,3 [117,8] 212,8	159,1 [127,3] 229,9	174,5 [139,6] 252,2
Continuous Power	kVA ( kWe ) A	98,6 [78,9] 142,5	103,1 [82,5] 149,0	111,4 [89,1] 160,9	122,2 [97,7] 176,6
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	60	60	60	60
ENGINE					
Make		INTER	INTER	INTER	INTER
Model		E195TD	E19TD	E220TDI	E216TD I
Speed	(RPM)	1800	1800	1800	1800
Gross Engine Power	(kW)	143,0	147,0	167,0	176,0
Net Engine Power	(kW)	139,0	142,4	162,0	170,2
Number of Cylinder		4	6	6	6
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooler	Turbocharged	Turbocharged/ Intercooler	Turbocharged/ Intercooler
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	4,3	6,49	6,5	6,49
Bore and Stroke	[mm]	105 x 124	105 x 125	105 x 124	105 x 125
Compression Ratio		16:1	16:1	16:1	16:1
Electric System	[V]	12	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	15,2	17,6	17,4	21,1
Fuel Consumption Prime- % 75 Loaded	[L/h]	21,2	26,1	24,2	31,3
Fuel Consumption Prime- % 100 Loaded	[L/h]	28,0	34,2	31,9	41,0
Fuel Consumption Standby- %100 Loaded	[L/h]	31,6	37,9	36,0	345,3
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	190 [223]	190 [376]	256 [678]	256 [678]
ALTERNATOR					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	480 V-kVA	154,0	154,0	181,0	181,0
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		277 / 480 V	277 / 480 V	277 / 480 V	277 / 480 V
Voltage Regulation		±1	±1	±1	±1
DIMENSIONS					
Width, Open [Canopy]	[mm]	800 [1000]	800 [1153]	900 [1140]	900 [1153]
Length, Open [Canopy]	[mm]	2150 [3000]	2150 [2971]	2400 [3650]	2400 [2971]
Height, Open [Canopy]	[mm]	1549 [1380]	1549 [2027]	1549 [1900]	1549 [2027]
Weight, Open [Canopy]	[kg]	1217 [1620]	1217 [1620]	1317 [1670]	1317 [1670]

# DIESEL GENERATORS -- JCN SERIES

GROUP		JCN 200C	JCN 219	JCN 235C	JCN 257
Stand By Power	kVA ( kWe ) A	200,0 [160,0] 289,0	219,0 [175,2] 316,5	235,0 [188,0] 339,6	257,0 [205,6] 371,4
Prime Power	kVA ( kWe) A	181,8 [145,5] 262,7	199,1 [159,3] 287,7	213,6 [170,9] 308,7	233,6 [186,9] 337,6
Continuous Power	kVA ( kWe) A	127,3 [101,8] 183,9	139,4 [111,5] 201,4	149,5 [119,6] 216,1	163,5 [130,8] 236,3
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	60	60	60	60
ENGINE					
Make		INTER	INTER	INTER	INTER
Model		E250TDI	E247TDI	E295TDI	E290TDI
Speed	(RPM)	1800	1800	1800	1800
Gross Engine Power	(kW)	189,0	198,0	220,0	231,0
Net Engine Power	(kW)	183,0	190,5	214,0	223,5
Number of Cylinder		6	6	6	6
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooler	Turbocharged/ Intercooler	Turbocharged/ Intercooler	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	6,5	6,75	6,5	7,02
Bore and Stroke	[mm]	105 x 124	105 x 130	105 x 124	105 x 135
Compression Ratio		16:1	16:1	16:1	16:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	19,9	23,5	23,4	27,6
Fuel Consumption Prime- % 75 Loaded	[L/h]	27,6	35,0	32,5	41,1
Fuel Consumption Prime- % 100 Loaded	[L/h]	36,5	45,9	42,8	53,8
Fuel Consumption Standby- %100 Loaded	[L/h]	41,1	50,7	48,3	59,5
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	256 [678]	256 [376]	256 [678]	256 [376]
ALTERNATOR					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	480 V-kVA	204,0	204,0	233,0	233,0
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		277 / 480 V	277 / 480 V	277 / 480 V	277 / 480 V
Voltage Regulation		±1	±1	±1	±1
DIMENSIONS					
Width, Open [Canopy]	[mm]	900 [1140]	900 [1153]	900 [1140]	900 [1153]
Length, Open [Canopy]	[mm]	2400 [3650]	2400 [2971]	2400 [3650]	2400 [2971]
Height, Open [Canopy]	[mm]	1549 [1900]	1549 [2027]	1549 [1900]	1549 [2027]
Weight, Open [Canopy]	[kg]	1328 [1690]	1328 [1690]	1450 [1810]	1450 [1810]



GROUP		JCN 255G	JCN 270	JCN 280G	JCN 295
Stand By Power	kVA ( kWe ) A	255,0 [204,0] 368,5	270,0 [216,0] 390,2	280,0 [224,0] 404,6	295,0 [236,0] 426,3
Prime Power	kVA ( kWe ) A	231,8 [185,5] 335,0	245,5 [196,4] 354,7	254,5 [203,6] 367,8	268,2 [214,5] 387,5
Continuous Power	kVA ( kWe ) A	162,3 [129,8] 234,5	171,8 [137,5] 248,3	178,2 [142,5] 257,5	187,7 [150,2] 271,3
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	60	60	60	60

### ENGINE

Make		INTER	INTER	INTER	INTER
Model		E325TDI	E315TDI	E355TDI	E346TDI
Speed	(RPM)	1800	1800	1800	1800
Gross Engine Power	(kW)	228,0	242,0	250,0	265,0
Net Engine Power	(kW)	220,0	232,2	242,0	255,2
Number of Cylinder		6	6	6	6
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	9,726	7,82	9,726	7,82
Bore and Stroke	[mm]	126 x 130	113 x 130	126 x 130	113 x 130
Compression Ratio		17:1	17:1	17:1	17:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	27,2	28,6	29,9	31,5
Fuel Consumption Prime- % 75 Loaded	[L/h]	39,9	42,0	44,5	46,9
Fuel Consumption Prime- % 100 Loaded	[L/h]	52,1	54,8	58,3	61,4
Fuel Consumption Standby- %100 Loaded	[L/h]	58,6	61,7	64,4	67,9
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	256 [678]	256 [445]	256 [678]	256 [445]

### ALTERNATOR

Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	480 V-kVA	275,0	275,0	275,0	275,0
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		277 / 480 V	277 / 480 V	277 / 480 V	277 / 480 V
Voltage Regulation		±1	±1	±1	±1

### DIMENSIONS

Width, Open [Canopy]	[mm]	900 [1140]	900 [1140]	900 [1140]	900 [1140]
Length, Open [Canopy]	[mm]	2400 [4100]	2400 [3409]	2400 [4100]	2400 [3409]
Height, Open [Canopy]	[mm]	1840 [1900]	1840 [1955]	1840 [1900]	1840 [1955]
Weight, Open [Canopy]	[kg]	1554 [1940]	1554 [1940]	1589 [2010]	1589 [2010]

# DIESEL GENERATORS -- JCN SERIES

GROUP		JCN 300	JCN 350	JCN 410	JCN 450
Stand By Power	kVA ( kWe ) A	300,0 [240,0] 433,5	350,0 [280,0] 505,8	410,0 [328,0] 592,5	450,0 [360,0] 650,3
Prime Power	kVA ( kWe ) A	272,7 [218,2] 394,1	318,2 [254,5] 459,8	372,7 [298,2] 538,6	409,1 [327,3] 591,2
Continuous Power	kVA ( kWe ) A	190,9 [152,7] 275,9	222,7 [178,2] 321,9	260,9 [208,7] 377,0	286,4 [229,1] 413,8
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	60	60	60	60
ENGINE					
Make		INTER	INTER	INTER	INTER
Model		E371TDI	E433TDI	E507TDI	E556TDI
Speed	(RPM)	1800	1800	1800	1800
Gross Engine Power	(kW)	276,0	317,0	365,0	400,0
Net Engine Power	(kW)	257,2	298,2	346,2	381,2
Number of Cylinder		6	6	6	6
Configuration		Vertical,In-Line	Vertical,In-Line	Vertical,In-Line	Vertical,In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	9,726	9,726	9,726	9,726
Bore and Stroke	[mm]	126 x 130	126 x 130	126 x 130	126 x 130
Compression Ratio		17:1	17:1	17:1	17:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	30,0	34,0	39,5	43,3
Fuel Consumption Prime- % 75 Loaded	[L/h]	45,0	49,8	57,8	63,4
Fuel Consumption Prime- % 100 Loaded	[L/h]	57,0	64,1	74,4	81,7
Fuel Consumption Standby- %100 Loaded	[L/h]	62,0	71,2	82,6	90,9
Fuel Tank Capacity, w/o Canopy (Canopy)	[l]	475 [678]	475 [678]	475 [678]	475 [678]
ALTERNATOR					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	480 V-kVA	298,0	325,0	398,0	466,0
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		277 / 480 V	277 / 480 V	277 / 480 V	277 / 480 V
Voltage Regulation		±1	±1	±1	±1
DIMENSIONS					
Width, Open [Canopy]	[mm]	1100 [1140]	1100 [1140]	1100 [1140]	1100 [1140]
Length, Open [Canopy]	[mm]	3095 [4100]	3095 [4100]	3254 [4100]	3254 [4100]
Height, Open [Canopy]	[mm]	1782 [1900]	1782 [1900]	1782 [1900]	1782 [1900]
Weight, Open [Canopy]	[kg]	2159 [2600]	2163 [2600]	2353 [2790]	2379 [2970]

GROUP		JCN 475	JCN 515	JCN 565	JCN 610
Stand By Power	kVA ( kWe ) A	475,0 [380,0] 686,4	515,0 [412,0] 744,2	565,0 [452,0] 816,5	610,0 [488,0] 881,5
Prime Power	kVA ( kWe ) A	431,8 [345,5] 624,0	468,2 [374,5] 676,6	513,6 [410,9] 742,2	554,5 [443,6] 801,4
Continuous Power	kVA ( kWe ) A	302,3 [241,8] 436,8	327,7 [262,2] 473,6	359,5 [287,6] 519,6	388,2 [310,5] 561,0
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	60	60	60	60

### ENGINE

Make		INTER	INTER	INTER	INTER
Model		E587TDI	E637TDI	E699TDI	E754TDI
Speed	(RPM)	1800	1800	1800	1800
Gross Engine Power	(kW)	426,0	460,0	500,0	538,0
Net Engine Power	(kW)	400,0	434,0	474,0	509,6
Number of Cylinder		6	6	6	6
Configuration		Vertical, In-Line	Vertical, In-Line	Vertical, In-Line	Vertical, In-Line
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	11,596	11,596	11,596	12,56
Bore and Stroke	[mm]	126 x 155	126 x 155	126 x 155	127 x 165
Compression Ratio		17:1	17:1	17:1	17:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	45,7	49,5	51,3	55,2
Fuel Consumption Prime- % 75 Loaded	[L/h]	66,9	72,5	76,2	82,0
Fuel Consumption Prime- % 100 Loaded	[L/h]	86,1	93,4	100,0	107,7
Fuel Consumption Standby- %100 Loaded	[L/h]	95,6	103,7	111,4	119,8
Fuel Tank Capacity, w/o Canopy (Canopy)	[lit]	673 [678]	673 [678]	673 [400]	1193 [400]

### ALTERNATOR

Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	480 V-kVA	466,0	466,0	527,0	585,0
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		277 / 480 V	277 / 480 V	277 / 480 V	277 / 480 V
Voltage Regulation		±1	±1	±1	±1

### DIMENSIONS

Width, Open [Canopy]	[mm]	1200 [1140]	1200 [1140]	1200 [1646]	1400 [1646]
Length, Open [Canopy]	[mm]	3374 [4100]	3374 [4100]	3383 [4632]	3600 [4632]
Height, Open [Canopy]	[mm]	1953 [1900]	1953 [1900]	1953 [2641]	2070 [2641]
Weight, Open [Canopy]	[kg]	2761 [3620]	2878 [3740]	2931 [3790]	3325 [4070]

# DIESEL GENERATORS -- JCN SERIES

GROUP		JCN 630	JCN 660P	JCN 680P	JCN 730P
Stand By Power	kVA ( kWe) A	630,0 [504,0] 910,0	660,0 [528,0] 953,8	680,0 [544,0] 982,7	730,0 [584,0] 1.054,9
Prime Power	kVA ( kWe) A	573,0 [458,0] 828,0	600,0 [480,0] 867,1	618,2 [494,5] 893,3	663,6 [530,9] 959,0
Continuous Power	kVA ( kWe) A	401,0 [321,0] 579,0	420,0 [336,0] 606,9	432,7 [346,2] 625,3	464,5 [371,6] 671,3
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	60	60	60	60
ENGINE					
Make		INTER	INTER	INTER	INTER
Model		E779TDI	E816TDI	E765TDI	E790TDI
Speed	(RPM)	1800	1800	1800	1800
Gross Engine Power	(kW)	558,0	580,0	591,8	613,8
Net Engine Power	(kW)	536,0	551,6	560,6	589,6
Number of Cylinder		6	6	8	8
Configuration		Vertical, In-Line	Vertical, In-Line	V - Type	V - Type
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	12,56	12,56	15,948	15,948
Bore and Stroke	[mm]	127 x 165	127 x 165	128 x 155	128 x 155
Compression Ratio		17:1	17:1	15,5:1	15,5:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	54,0	59,6	64,8	67,6
Fuel Consumption Prime- % 75 Loaded	[L/h]	83,0	88,5	92,0	96,0
Fuel Consumption Prime- % 100 Loaded	[L/h]	110,0	116,2	122,7	128,0
Fuel Consumption Standby- %100 Loaded	[L/h]	124,0	129,6	137,8	143,7
Fuel Tank Capacity, w/o Canopy (Canopy)	[l]	1193 [400]	1193 [400]	1066 [400]	1066 [400]
ALTERNATOR					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	480 V-kVA	643,0	643,0	643,0	733,0
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		277 / 480 V	277 / 480 V	277 / 480 V	277 / 480 V
Voltage Regulation		±1	±1	±1	±1
DIMENSIONS					
Width, Open [Canopy]	[mm]	1400 [1646]	1400 [1646]	1400 [1646]	1400 [1646]
Length, Open [Canopy]	[mm]	3600 [4632]	3600 [4632]	3311 [4632]	3311 [4632]
Height, Open [Canopy]	[mm]	2070 [2641]	2070 [2641]	1980 [2641]	1980 [2641]
Weight, Open [Canopy]	[kg]	3444 [4190]	3444 [4190]	3386 [4240]	3386 [4240]

GROUP		JCN 760P	JCN 810	JCN 860	JCN 930
Stand By Power	kVA ( kWe ) A	760,0 [608,0] 1.098,3	810,0 [648,0] 1,170,5	860,0 [688,0] 1.242,8	930,0 [744,0] 1.343,9
Prime Power	kVA ( kWe ) A	690,9 [552,7] 998,4	736,4 [589,1] 1.064,1	781,8 [625,5] 1.129,8	845,5 [676,4] 1.221,8
Continuous Power	kVA ( kWe ) A	483,6 [386,9] 689,9	515,5 [412,4] 744,9	547,3 [437,8] 790,9	591,8 [473,5] 855,2
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	60	60	60	60
ENGINE					
Make		INTER	INTER	INTER	INTER
Model		E825TDI	E896TDI	E952TDI	E1020TDI
Speed	(RPM)	1800	1800	1800	1800
Gross Engine Power	(kW)	638,0	710,0	753,0	819,0
Net Engine Power	(kW)	606,8	681,9	724,9	783,1
Number of Cylinder		8	8	8	12
Configuration		V - Type	V - Type	V - Type	V - Type
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	15,948	15,948	15,948	23,922
Bore and Stroke	[mm]	128 x 155	128 x 155	128 x 155	128 x 155
Compression Ratio		15,5:1	15,5:1	15,5:1	15,5:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	69,9	76,0	80,7	87,2
Fuel Consumption Prime- % 75 Loaded	[L/h]	99,3	107,9	114,6	123,9
Fuel Consumption Prime- % 100 Loaded	[L/h]	132,5	143,9	152,8	165,2
Fuel Consumption Standby- %100 Loaded	[L/h]	149,1	161,9	172,0	186,1
Fuel Tank Capacity, w/o Canopy (Canopy)	[l]	1066 [400]	1066 [400]	1066 [400]	1193 [530]
ALTERNATOR					
Make		JCB ENERGY	JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	480 V-kVA	712,8	733,0	824,0	875,0
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		277 / 480 V	277 / 480 V	277 / 480 V	277 / 480 V
Voltage Regulation		±1	±1	±1	±1
DIMENSIONS					
Width, Open [Canopy]	[mm]	1400 [1646]	1400 [1646]	1400 [1646]	1400 [1942]
Length, Open [Canopy]	[mm]	3311 [4632]	3311 [4632]	3311 [4632]	4000 [5166]
Height, Open [Canopy]	[mm]	1980 [2641]	1980 [2641]	1980 [2641]	2188 [2920]
Weight, Open [Canopy]	[kg]	3386 [4240]	3386 [4240]	3476 [4320]	4240 [5530]

# DIESEL GENERATORS -- JCN SERIES

GROUP		JCN 960	JCN 1055	JCN 1125	JCN 1240
Stand By Power	kVA ( kWe) A	960,0 [768,0] 1.387,3	1.055,0 [844,0] 1.524,6	1.125,0 [900,0] 1.625,7	1.240,0 [992,0] 1.791,9
Prime Power	kVA ( kWe) A	872,7 [698,2] 1.261,2	959,1 [767,3] 1.386,0	1.022,7 [818,2] 1.477,9	1.127,3 [901,8] 1.629,0
Continuous Power	kVA ( kWe) A	610,9 [488,7] 882,8	671,4 [537,1] 970,2	715,9 [572,7] 1.034,6	789,1 [631,3] 1.140,3
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	60	60	60	60

ENGINE					
Make		INTER	INTER	INTER	INTER
Model		E1051TDI	E1156TDI	E1236TDI	E1360TDI
Speed	(RPM)	1800	1800	1800	1800
Gross Engine Power	(kW)	842,0	923,0	985,0	1074,0
Net Engine Power	(kW)	806,1	887,1	949,1	1038,1
Number of Cylinder		12	12	12	12
Configuration		V - Type	V - Type	V - Type	V - Type
Emission		Tier II	Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic	Electronic
Displacement	[L]	23,922	23,922	23,922	23,922
Bore and Stroke	[mm]	128 x 155	128 x 155	128 x 155	128 x 155
Compression Ratio		15,5:1	15,5:1	15,5:1	15,5:1
Electric System	[V]	24	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	89,8	98,8	105,7	115,6
Fuel Consumption Prime- % 75 Loaded	[L/h]	127,5	140,4	150,2	164,1
Fuel Consumption Prime- % 100 Loaded	[L/h]	170,0	187,1	200,2	218,8
Fuel Consumption Standby- %100 Loaded	[L/h]	191,4	210,7	225,4	246,3
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	480 V-kVA	875,0	959,0	1047,0	1137,0
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		277 / 480 V	277 / 480 V	277 / 480 V	277 / 480 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]	4250 [5540]	4358 [5650]	4580 [5870]	4667 [5960]

GROUP		JCN 1250	JCN 1400	JCN 1560
Stand By Power	kVA ( kWe) A	1.250,0 [1.000,0] 1.806,4	1.400,0 [1.120,0] 2.023,1	1.560,0 [1.248,0] 2.254,3
Prime Power	kVA ( kWe) A	1.136,4 [909,1] 1.642,1	1.272,7 [1.018,2] 1.839,2	1.418,2 [1.134,5] 2.049,4
Continuous Power	kVA ( kWe) A	795,5 [636,4] 1.149,5	890,9 [712,7] 1.287,4	992,7 [794,2] 1.434,6
Power Factor	CosQ	0,8	0,8	0,8
Frequency	Hz	60	60	60

### ENGINE

Make		INTER	INTER	INTER
Model		E1545TDI	E1732TDI	E1928TDI
Speed	(RPM)	1800	1800	1800
Gross Engine Power	(kW)	1070,0	1200,0	1334,0
Net Engine Power	(kW)	1047,0	1169,0	1303,0
Number of Cylinder		12	12	12
Configuration		V - Type	V - Type	V - Type
Emission		Tier II	Tier II	Tier II
Aspiration		Turbocharged/ Intercooled	Turbocharged/ Intercooled	Turbocharged/ Intercooled
Governing Type		Electronic	Electronic	Electronic
Displacement	[L]	32,7	32,7	32,7
Bore and Stroke	[mm]	145 x 165	145 x 165	145 x 165
Compression Ratio		15,5:1	14,5:1	14,5:1
Electric System	[V]	24	24	24
Fuel Consumption Prime- %50 Loaded	[L/h]	116,6	129,7	144,8
Fuel Consumption Prime- % 75 Loaded	[L/h]	165,6	184,2	205,6
Fuel Consumption Prime- % 100 Loaded	[L/h]	220,8	245,6	274,2
Fuel Consumption Standby- %100 Loaded	[L/h]	247,8	276,7	308,4
Fuel Tank Capacity, w/o Canopy (Canopy)	[t]	2000 [2000]	2250 [2250]	2250 [2250]

### ALTERNATOR

Make		JCB ENERGY	JCB ENERGY	JCB ENERGY
Output Power	480 V-kVA	1137,0	1250,0	1421,0
Overspeed	2U+1000V	2250	2250	2250
Insulation Class		H	H	H
Ingress Protection Rating		IP-23	IP-23	IP-23
Voltage		277 / 480 V	277 / 480 V	277 / 480 V
Voltage Regulation		±1	±1	±1

### DIMENSIONS

Width, Open [Canopy]	[mm]	1800 [2144]	2000 [2390]	2000 [2390]
Length, Open [Canopy]	[mm]	4200 [5916]	4500 [6769]	4500 [6769]
Height, Open [Canopy]	[mm]	2135 [2759]	2310 [3156]	2310 [3156]
Weight, Open [Canopy]	[kg]	6470 [9810]	7120 [11500]	7210 [11870]



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