



# DIESEL GENERATORS -- JYD SERIES

GROUP		JYD Y490D	JYD Y495D	JYD Y4102D	JYD Y4102ZLD
Engine Power	kW	24	27	33	48
Prime Power	kVA	25	30	35	50
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
ENGINE					
Make		YANGDONG	YANGDONG	YANGDONG	YANGDONG
Model		Y490D	Y495D	Y4102D	Y4102ZLD
Speed	(RPM)	1500	1500	1500	1500
Type		Vertical, water cooling, four stroke	Vertical, water cooling, four stroke	Vertical, water cooling, four stroke	Vertical, water cooling, four stroke
Combustion Chamber Type		Direct Injector	Direct Injector	Direct Injector	Direct Injector
Number of Cylinder		4	4	4	4
Bore	(mm)	90	95	102	102
Stroke	(mm)	105	105	118	118
Compression Ratio		18	18	18	18
Total Displacement	[L]	2,67	2,977	3,875	3,875
Firing Order		1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2
Min. Specific Fuel Consumption at Full Load	(g/kw.h)	≤243	≤240	≤235	≤225
Intake Type		Natural Aspiration	Natural Aspiration	Turbo-Charged with Intercooler	Turbo-Charged with Intercooler
Cooling Method		Forced Watercooling	Forced Watercooling	Forced Watercooling	Forced Watercooling
Fuel Pump Type		Mechanical	Mechanical	Mechanical	Mechanical
Flywheel Size		SAE7.5"	SAE7.5"	SAE10" or SAE11.5"	SAE10" or SAE11.5"
Bell Housing Size		SAE4#	SAE4#	SAE3#	SAE3#
Fuel Tank Capacity, w/o Canopy (Canopy)	[l]	58 [100]	58 [100]	58 [100]	55 [100]
ALTERNATOR					
Model		JCB 180M	JCB 180M1	JCB 180MX	JCB 180M2
Output Power	kVA	24,0	27,0	35,0	46,0
Output Power	kw	19,2	23,6	28,0	36,0
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]	622 [1000]
Length, Open [Canopy]	[mm]	1400 [2000]	1400 [2000]	1400 [2300]	1600 [2300]
Height, Open [Canopy]	[mm]	1309 [1190]	1329 [1190]	1329 [1190]	1329 [1190]
Weight, Open [Canopy]	[kg]	553 [690]	557 [710]	557 [730]	657 [830]

GROUP		JYD Y4105D	JYD Y4105ZLD	JYD Y4110ZLDA	JYD Y4110ZLD
Engine Power	kW	38	55	72	80
Prime Power	kVA	40	60	80	90
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
<b>ENGINE</b>					
Make		YANGDONG	YANGDONG	YANGDONG	YANGDONG
Model		Y4105D	Y4105ZLD	Y410ZLDA	Y4110ZLD
Speed	(RPM)	1500	1500	1500	1500
Type		Vertical, water cooling, four stroke	Vertical, water cooling, four stroke	Vertical, water cooling, four stroke	Vertical, water cooling, four stroke
Combustion Chamber Type		Direct Injector	Direct Injector	Direct Injector	Direct Injector
Number of Cylinder		4	4	4	4
Bore	(mm)	105	105	110	110
Stroke	(mm)	118	118	118	118
Compression Ratio		18	18	18	18
Total Displacement	[L]	4,1	4,1	4,4	4,4
Firing Order		1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2
Min. Specific Fuel Consumption at Full Load	(g/kw.h)	≤235	≤220	≤219	≤219
Intake Type		Turbo-Charged with Intercooler	Turbo-Charged with Intercooler	Turbo-Charged with Intercooler	Turbo-Charged with Intercooler
Cooling Method		Forced Watercooling	Forced Watercooling	Forced Watercooling	Forced Watercooling
Fuel Pump Type		Mechanical	Mechanical	Mechanical	Mechanical
Flywheel Size		SAE10" or SAE11.5"	SAE10" or SAE11.5"	SAE10" or SAE11.5"	SAE10" or SAE11.5"
Bell Housing Size		SAE3#	SAE3#	SAE3#	SAE3#
Fuel Tank Capacity, w/o Canopy (Canopy)	[l]	58 [100]	55 [100]	134 [100]	161 [100]
<b>ALTERNATOR</b>					
Model		JCB 180LA	JCB 225S1	JCB 225M1	JCB 225M2
Output Power	kVA	40,0	55,0	77,0	91,0
Output Power	kw	32,0	44,0	61,6	72,8
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]	619 [1000]	622 [1000]	700 [1000]	700 [1000]
Length, Open [Canopy]	[mm]	1400 [2300]	1600 [2300]	1700 [2700]	1900 [2700]
Height, Open [Canopy]	[mm]	1329 [1190]	1329 [1190]	1562 [1190]	1562 [1190]
Weight, Open [Canopy]	[kg]	557 [730]	685 [850]	877 [1010]	957 [1080]

# DIESEL GENERATORS -- JYD SERIES

GROUP		JYD YD4EZLD	JYD YD4GZLD	JYD YD380D	JYD YD480D
Engine Power	kW	63	90	10	14
Prime Power	kVA	70	100	10	14
Power Factor	CosQ	0,8	0,8	0,8	0,8
Frequency	Hz	50	50	50	50
<b>ENGINE</b>					
Make		YANGDONG	YANGDONG	YANGDONG	YANGDONG
Model		YD4EZLD	YD4GZLD	YD380D	YD480D
Speed	(RPM)	1500	1500	1500	1500
Type		Vertical, water cooling, four stroke	Vertical, water cooling, four stroke	Vertical, water cooling, four stroke	Vertical, water cooling, four stroke
Combustion Chamber Type		Direct Injector	Direct Injector	Direct Injector	Direct Injector
Number of Cylinder		4	4	4	4
Bore	(mm)	105	110	80	80
Stroke	(mm)	118	118	90	90
Compression Ratio		18	18	18	18
Total Displacement	[L]	4,1	4,4	1,357	1,809
Firing Order		1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2
Min. Specific Fuel Consumption at Full Load	(g/kw.h)	≤218	≤219	≤260	≤250,5
Intake Type		Turbo-Charged with Intercooler	Turbo-Charged with Intercooler	Turbo-Charged with Intercooler	Natural Aspiration
Cooling Method		Forced Watercooling	Forced Watercooling	Forced Watercooling	Forced Watercooling
Fuel Pump Type		Mechanical	Mechanical	Mechanical	Mechanical
Flywheel Size		SAE10" or SAE11.5"	SAE10" or SAE11.5"	SAE7.5"	SAE7.5"
Bell Housing Size		SAE3#	SAE3#	SAE4#	SAE4#
Fuel Tank Capacity, w/o Canopy (Canopy)	[l]	134 [100]	161 [100]	58 [40]	58 [100]
<b>ALTERNATOR</b>					
Model		JCB 225S2	JCB 225M2	JCB 160S	JCB 160S
Output Power	kVA	65,0	91,0	12,0	12,0
Output Power	kw	52,0	72,8	9,6	9,6
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]	700 [1000]	700 [1000]	500 [942]	597 [1000]
Length, Open [Canopy]	[mm]	1700 [2700]	1900 [2700]	1400 [1916]	1400 [2000]
Height, Open [Canopy]	[mm]	1562 [1190]	1562 [1190]	1330 [1444]	1309 [1190]
Weight, Open [Canopy]	[kg]	857 [990]	957 [1080]	402 [513]	522 [650]

GROUP		JYD YD4110ZLD	JYD YSD490D
Engine Power	kW	80	21
Prime Power	kVA	90	22
Power Factor	CosQ	0,8	0,8
Frequency	Hz	50	50
<b>ENGINE</b>			
Make		YANGDONG	YANGDONG
Model		YD4110ZLD	YSD490D
Speed	(RPM)	1500	1500
Type		Vertical, water cooling, four stroke	Vertical, water cooling, four stroke
Combustion Chamber Type		Direct Injector	Direct Injector
Number of Cylinder		4	4
Bore	(mm)	110	90
Stroke	(mm)	118	100
Compression Ratio		18	18
Total Displacement	[L]	4,4	2,54
Firing Order		1-3-4-2	1-3-4-2
Min. Specific Fuel Consumption at Full Load	(g/kw.h)	≤219	≤247,5
Intake Type		Turbo-Charged with Intercooler	Natural Aspiration
Cooling Method		Forced Watercooling	Forced Watercooling
Fuel Pump Type		Electronic	Mechanical
Flywheel Size		SAE10" or SAE11.5"	SAE7.5"
Bell Housing Size		SAE3#	SAE4#
Fuel Tank Capacity, w/o Canopy (Canopy)	[lit]	161 [100]	58 [40]
<b>ALTERNATOR</b>			
Model		JCB 225M2	JCB 160LX
Output Power	kVA	91,0	21,0
Output Power	kw	72,8	16,8
Overspeed	2U+1000V	2250	2250
Insulation Class		H	H
Ingress Protection Rating		IP-23	IP-23
Voltage		231 / 400 V	231 / 400 V
Voltage Regulation		±1	±1
<b>DIMENSIONS</b>			
Width, Open [Canopy]	[mm]	700 [1000]	597 [1000]
Length, Open [Canopy]	[mm]	1900 [2700]	1400 [2000]
Height, Open [Canopy]	[mm]	1562 [1190]	1309 [1444]
Weight, Open [Canopy]	[kg]	957 [1080]	531 [670]

