

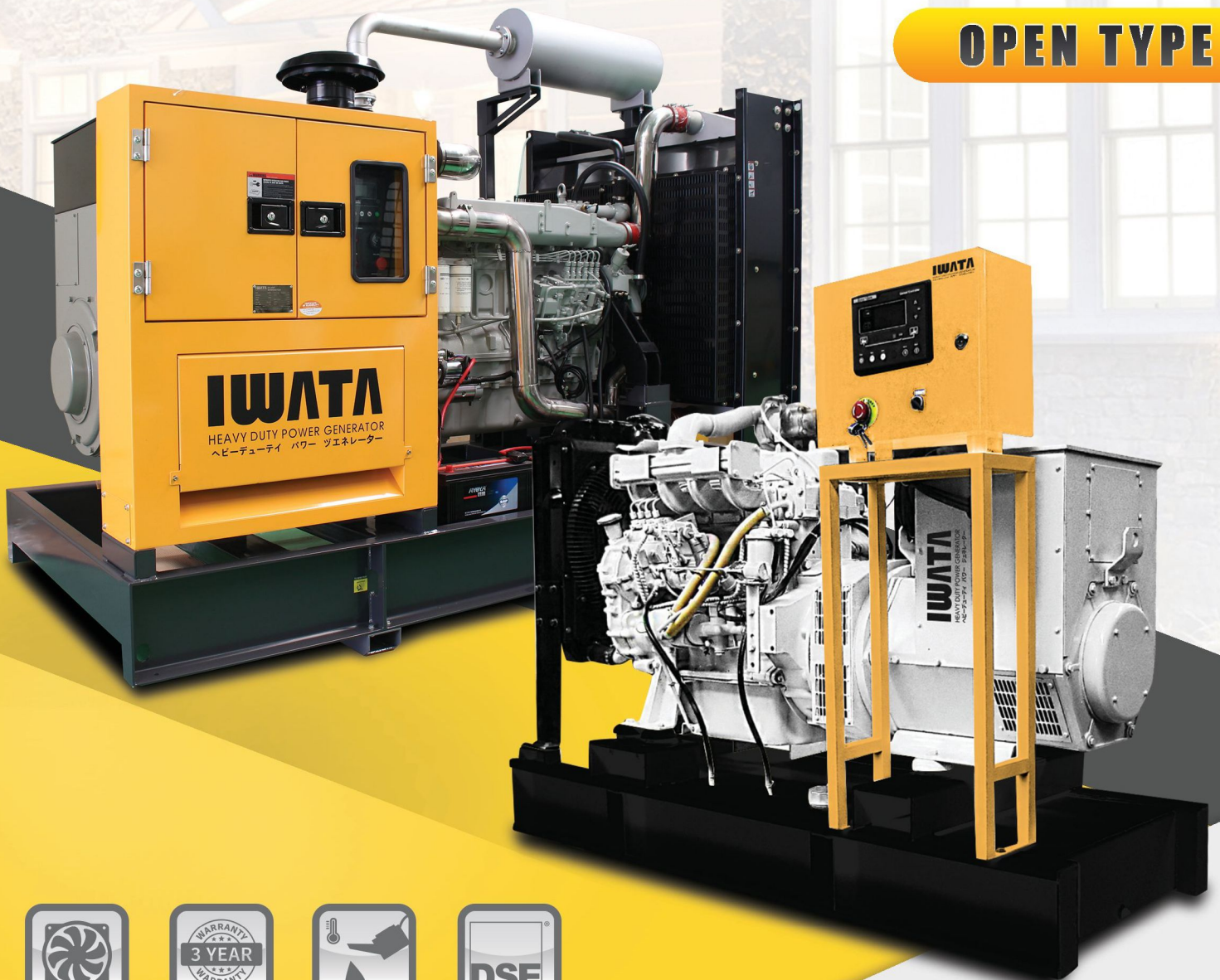
IWATA

HEAVY DUTY POWER GENERATOR
ヘビーデューティ パワー ジェネレーター

WATER COOLING DIESEL GENERATOR

LOW NOISE | SAVE ENERGY | DURABILITY

OPEN TYPE



Water
Cooling



Warranty
3 year



Diesel
Engine



DSE6020
Controller



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TECHNICAL DATA

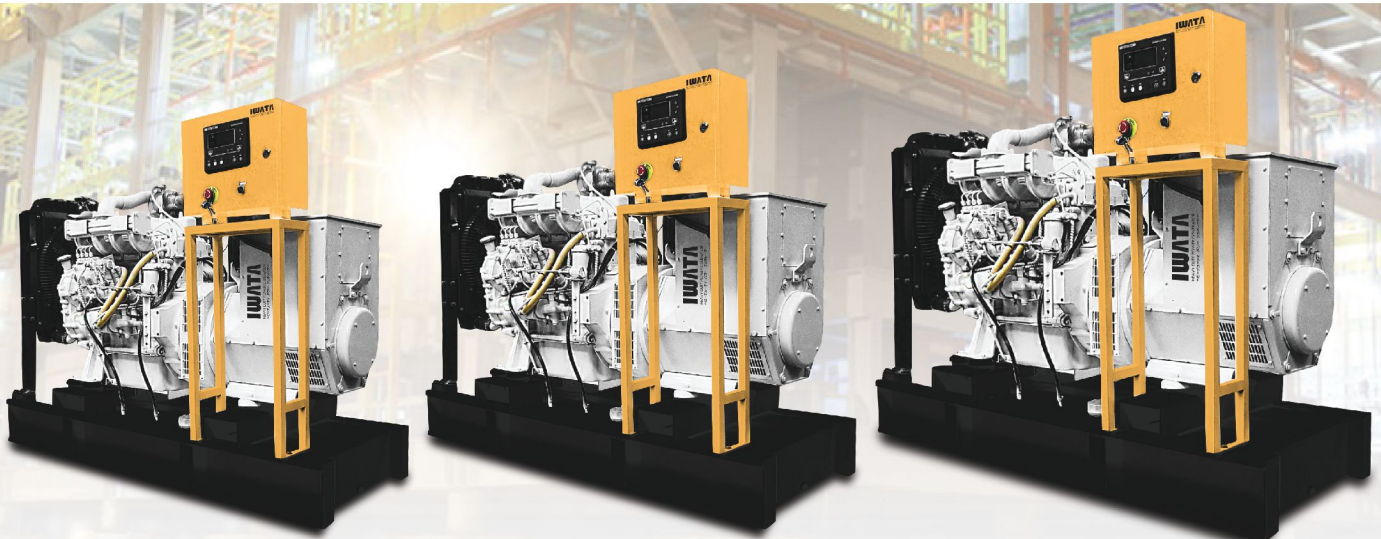
Model		IW10W0	IW12W0	IW16W0	IW20W0
Frequency	Hz	50	50	50	50
Rated Power	Kw	10	12	16	20
Max Power	Kw	11	13.2	17.6	22
Rated Voltage	V	230 1PH	230/400 3PH	230/400 3PH	230/400 3PH
Rated Current	A	43.5	21.7	28.9	36.1
Rated Speed	r/min	1500	1500	1500	1500
Starting Mode	V	12	12	12	12
Fuel Tank Capacity	L	45	63	63	63
Operation Time On Single Tank Fuel	hrs	18	15	17	14.6
Noise Level	dB(A)/ 7	96	95	97	97
Dimension	mm	1650*780*950	1650*780*950	2000*850*1060	2000*850*1060
Net Weight	Kg	625	695	755	825

Engine Specification

Engine Model		480D	485D	490D	490ZD
Engine Manufacturer		IWATA	IWATA	IWATA	IWATA
Bore*Stroke	mm	85*90	85*100	90*100	90*100
Displacement	L	1.81	2.27	21.6	2.54
12hrs Power	kw	14	17	21	26
Fuel Cons.at Full Load	kw	2.5L/h	2.5L/h	3.7L/h	4.3L/h
Engine Type		Water Cooled, 4-stroke, Direct Injection			
Cylinder No.	mm	3	4	4	4
Compression Ratio	L/h	17:1	17:1	17:1	17:1
Starting Motor	V-KW	12V-3KW	12V-3KW	12V-3KW	12V-3KW
Charging Alternator	V-W	14V-500W	14V-500W	14V-500W	14V-500W

Alternator Specification

Circulated Type		3Phase, 4 Wires, Y type Connection			
Excitation Mode		Brushless Self-Excitation and Constant Voltage (AVR)			
Power Factor Cosφ		0.8 (lag)			
Pole Number		4	4	4	4
Insulation		H	H	H	H
Overexcitation Protection		IP23	IP23	IP23	IP23
Voltage Regulator		AVR SX 460	AVR SX 460	AVR SX 460	AVR SX 460
Voltage Regulator NL-FL		±5%	±5%	±5%	±5%



TECHNICAL DATA

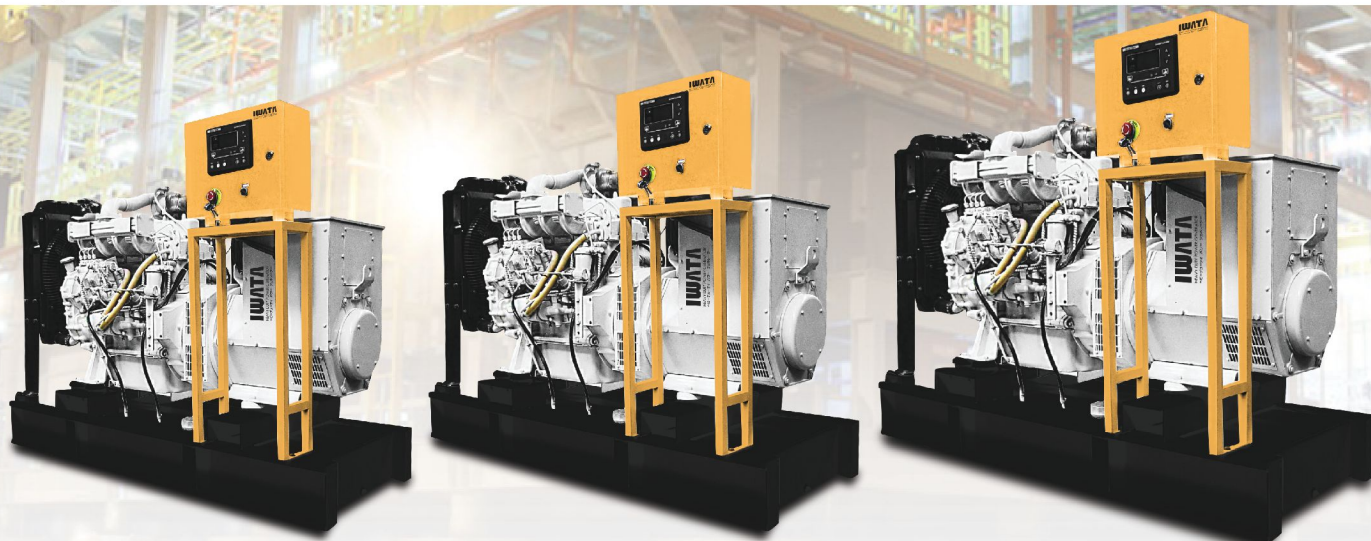
Model		IW24W0	IW30W0	IW40W0	IW48W0
Frequency	Hz	50	50	50	50
Rated Power	Kw	24	30	40	48
Max Power	Kw	26.4	33	44	53
Rated Voltage	V	230/400 3PH	230/400	230/400	230/400
Rated Current	A	43.3	54.2	72.2	86.6
Rated Speed	r/min	1500	1500	1500	1500
Starting Mode	V	12	12	12	12
Fuel Tank Capacity	L	80	80	80	120
Operation Time On Single Tank Fuel	hrs	15.3	9.2	7	9.8
Noise Level	dB(A)/ 7	97	97	97	97
Dimension	mm	2000*850*1060	2280*950*1480	2500*1050*1500	2500*1050*1500
Net Weight	Kg	955	1025	1255	1275

Engine Specification

Engine Model		490ZLD	W3105ZD	W4108ZD	W4108ZD
Engine Manufacturer		IWATA	IWATA	IWATA	IWATA
Bore*Stroke	mm	90*100	105*120	108*120	108*120
Displacement	L	2.54	3.117	4.58	4.58
12hrs Power	kw	31	36	62	62
Fuel Cons.at Full Load	kw	5.2L/h	8.7L/h	11.5L/h	12.3L/h
Engine Type		Water Cooled, 4-stroke, Direct Injection, Turbo Charged, Intercooled			
Cylinder No.	mm	4	3	4	4
Compression Ratio	L/h	17:1	17:1	17:1	17:1
Starting Motor	V-KW	12V-3KW	12V-3KW	12V-3KW	12V-3KW
Charging Alternator	V-W	14V-500W	14V-500W	14V-500W	14V-500W

Alternator Specification

Circulated Type		3Phase, 4 Wires, Y type Connection			
Excitation Mode		Brushless Self-Excitation and Constant Voltage (AVR)			
Power Factor Cosφ		0.8 (lag)			
Pole Number		4	4	4	4
Insulation		H	H	H	H
Overexcitation Protection		IP23	IP23	IP23	IP23
Voltage Regulator		AVR SX 460	AVR SX 460	AVR SX 460	AVR SX 460
Voltage Regulator NL-FL		±5%	±5%	±5%	±5%



TECHNICAL DATA

Model		IW68W0	IW80W0	IW100W0	IW120W0
Frequency	Hz	50	50	50	50
Rated Power	Kw	68	80	100	120
Max Power	Kw	75	88	110	132
Rated Voltage	V	230/400	230/400	230/400	230/400
Rated Current	A	123	114.4	180.5	216.6
Rated Speed	r/min	1500	1500	1500	1500
Starting Mode	V	24	24	24	24
Fuel Tank Capacity	L	200	200	200	250
Operation Time On Single Tank Fuel	hrs	12.1	9.9	8.2	8.2
Noise Level	dB(A)/ 7	97	97	100	102
Dimension	mm	3000*1050*1650	3000*1050*1650	3250*1050*1050	3250*1050*1800
Net Weight	Kg	1430	1825	2.095	2095

Engine Specification

Engine Model		W4110ZLD	W6105ZD	W6105ZLD	W6108ZLD
Engine Manufacturer		IWATA	IWATA	IWATA	IWATA
Bore*Stroke	mm	110*125	105*125	105*125	108*125
Displacement	L	4.58	6.49	6.49	6.87
12hrs Power	kw	86	92	120	138
Fuel Cons.at Full Load	kw	16.5L/h	20.2L/h	24.3L/h	30.1L/h
Engine Type		Water Cooled, 4-stroke, Direct Injection, Turbo Charged, Intercooled			
Cylinder No.	mm	4	6	6	6
Compression Ratio	L/h	17:1	16.2:1	16.2:1	16.5:1
Starting Motor	V-KW	24V-3KW	24V-4KW	24V-4KW	24V-4KW
Charging Alternator	V-W	28V-500W	28V-500W	28V-500W	28V-500W

Alternator Specification

Circulated Type	3Phase, 4 Wires, Y type Connection			
Excitation Mode	Brushless Self-Excitation and Constant Voltage (AVR)			
Power Factor Cosφ	0.8 (lag)			
Pole Number	4	4	4	4
Insulation	H	H	H	H
Overexcitation Protection	IP23	IP23	IP23	IP23
Voltage Regulator	AVR SX 460	AVR SX 460	AVR SX 440	AVR SX 460
Voltage Regulator NL-FL	±5%	±5%	±5%	±5%



TECHNICAL DATA

Model		IW160W0	IW200W0	IW250W0	IW300W0
Frequency	Hz	50	50	50	50
Rated Power	Kw	160	200	250	300
Max Power	Kw	176	220	275	330
Rated Voltage	V	230/400	230/400	230/400	230/400
Rated Current	A	288.8	361.0	451.3	542.5
Rated Speed	r/min	1500	1500	1500	1500
Starting Mode	V	24	24	24	24
Fuel Tank Capacity	L	400	400	700	700
Operation Time On Single Tank Fuel	hrs	9.3	7.7	11.1	10.1
Noise Level	dB(A)/ 7	105	105	105	110
Dimension	mm	3800*1350*2100	3800*1350*2100	4000*1050*1500	4200*1400*2100
Net Weight	Kg	2725	2925	3125	3425

Engine Specification

Engine Model		W6TD	W6TAD	W6S9LD	W6S9L-DA
Engine Manufacturer		IWATA	IWATA	IWATA	IWATA
Bore*Stroke	mm	126*130	126*130	126*155	126*155
Displacement	L	9.72	9.72	11.59	11.59
12hrs Power	kw	175	219	290	320
Fuel Cons.at Full Load	kw	43L/h	52L/h	63L/h	69L/h
Engine Type		Water Cooled, 4-stroke, Direct Injection, Turbo Charged, Intercooled			
Cylinder No.	mm	6	6	6	6
Compression Ratio	L/h	16.5:1	16.5:1	17:1	17:1
Starting Motor	V-KW	24V-5KW	24V-5KW	24V-5KW	24V-5KW
Charging Alternator	V-W	28V-500W	28V-500W	28V-500W	28V-500W

Alternator Specification

Circulated Type		3Phase, 4 Wires, Y type Connection			
Excitation Mode		Brushless Self-Excitation and Constant Voltage (AVR)			
Power Factor Cosφ		0.8 (lag)			
Pole Number		4	4	4	4
Insulation		H	H	H	H
Overexcitation Protection		IP23	IP23	IP23	IP23
Voltage Regulator		AVR SX 460	AVR SX 460	AVR SX 460	AVR SX 460
Voltage Regulator NL-FL		±5%	±5%	±5%	±5%



TECHNICAL DATA

Model		IW360W0	IW400W0	IW520W0
Frequency	Hz	50	50	50
Rated Power	Kw	360	400	520
Max Power	Kw	400	440	560
Rated Voltage	V	230/400	230/400	230/400
Rated Current	A	649.8	722.0	938.6
Rated Speed	r/min	1500	1500	1500
Starting Mode	V	24	24	24
Fuel Tank Capacity	L	1000	1000	1200
Operation Time On Single Tank Fuel	hrs	12.5	11.4	10.4
Noise Level	dB(A)/ 7	115	115	115
Dimension	mm	4800*1650*2400	4800*1900*2400	5800*2100*2400
Net Weight	Kg	4125	5850	6125

Engine Specification

Engine Model		W6S9LF-DA	W164TAD43	W287TAD58
Engine Manufacturer		IWATA	IWATA	IWATA
Bore*Stroke	mm	126*125	138*150	138*160
Displacement	L	11.6	26.9	28.7
12hrs Power	kw	410	432	588
Fuel Cons.at Full Load	kw	80L/h	88L/h	115L/h
Engine Type		Water Cooled, 4-stroke, Direct Injection, Turbo Charged, Intercooled		
Cylinder No.	mm	6	12	12
Compression Ratio	L/h	17:1	14.7:1	15.1:1
Starting Motor	V-KW	24V-5KW	24V-5KW	24V-5KW
Charging Alternator	V-W	28V-500W	28V-500W	28V-500W

Alternator Specification

Circulated Type	3Phase, 4 Wires, Y type Connection		
Excitation Mode	Brushless Self-Excitation and Constant Voltage (AVR)		
Power Factor Cosφ	0.8 (lag)		
Pole Number	4	4	4
Insulation	H	H	H
Overexcitation Protection	IP23	IP23	IP23
Voltage Regulator	AVR SX 440	AVR SX 440	AVR SX 440
Voltage Regulator NL-FL	±5%	±5%	±5%



TECHNICAL DATA

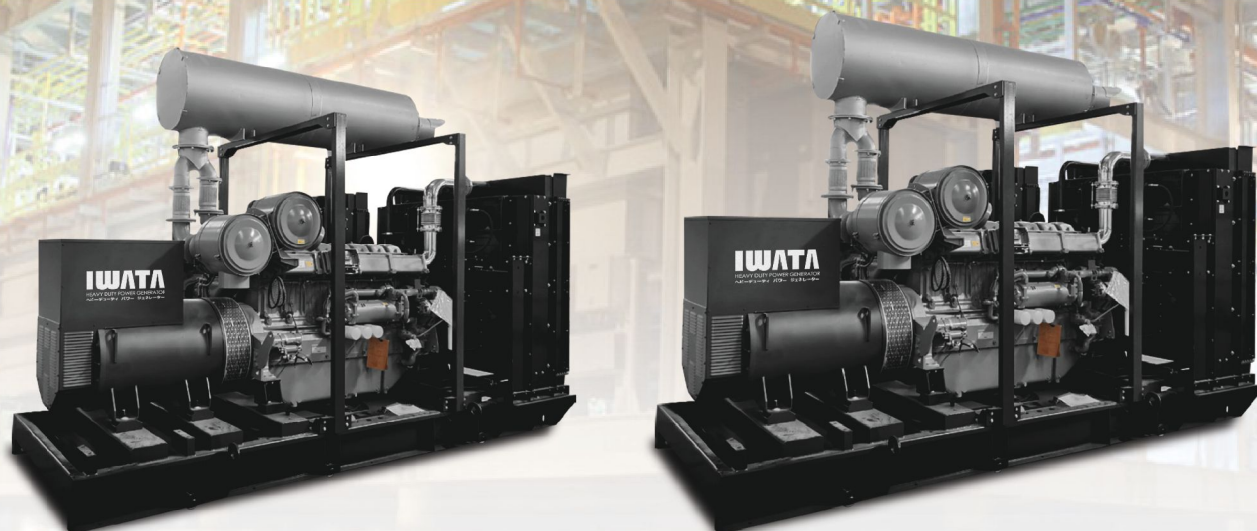
Model		IW600W0	IW720W0	IW800W0
Frequency	Hz	50	50	50
Rated Power	Kw	600	720	800
Max Power	Kw	660	800	880
Rated Voltage	V	230/400	230/400	230/400
Rated Current	A	1083.0	1299.6	1444.0
Rated Speed	r/min	1500	1500	1500
Starting Mode	V	24	24	24
Fuel Tank Capacity	L	1200	1200	1200
Operation Time On Single Tank Fuel	hrs	9.1	7.5	6.9
Noise Level	dB(A)/ 7	115	115	115
Dimension	mm	5800*2100*2400	5800*2100*2400	5800*2100*2400
Net Weight	Kg	6825	7125	7425

Engine Specification

Engine Model		W305TAD68	W32TAD78	W32TAD88
Engine Manufacturer		IWATA	IWATA	IWATA
Bore*Stroke	mm	140*165	145*165	145*165
Displacement	L	30.5	32.7	32.7
12hrs Power	kw	682	780	882
Fuel Cons.at Full Load	kw	132L/h	160L/h	175L/h
Engine Type		Water Cooled, 4-stroke, Direct Injection, Turbo Charged, Intercooled		
Cylinder No.	mm	12	12	12
Compression Ratio	L/h	15:1	16:1	14.5:1
Starting Motor	V-KW	24V-5KW	24V-5KW	24V-5KW
Charging Alternator	V-W	28V-500W	28V-500W	28V-500W

Alternator Specification

Circulated Type	3Phase, 4 Wires, Y type Connection		
Excitation Mode	Brushless Self-Excitation and Constant Voltage (AVR)		
Power Factor Cosφ	0.8 (lag)		
Pole Number	4	4	4
Insulation	H	H	H
Overexcitation Protection	IP23	IP23	IP23
Voltage Regulator	AVR MX 34	AVR MX 34	AVR MX 34
Voltage Regulator NL-FL	±5%	±5%	±5%





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