MarelliMotori
Inspired solutions

HYDROPOWER

Selection guide

COMSELHYD001_F Ed. 04/2019

MarelliMotori Hydropower

COMSELHYD001 _E 11/2018

Synchronous generators

Asynchronous generators

	LV		MV /HV		LV
					
Enclosure	**TEWAC**	**ODP**	**TEWAC**	**ODP**	**ODP**
Series	**MJRT**	**MXT - MJT**	**MJHRT**	**MJHT**	**C3G - C4G**
Power	up to 5.000 kVA	up to 5.200 kVA	up to 11.000 kVA	up to 11.000 kVA	up to 3.000 kW

Key

ODP	Open Drip Proof
TEWAC	Totally Enclosed Water to Air Cooled

Technical information

Environmental conditions

The rated outputs refer to an installation height up to 1.000 m a.s.l. and to a maximum ambient temperature of 40°C. For higher altitudes and different temperature values the rated outputs must be re-calculated using the factors listed in the following table.

Altitude m asl	Ambient temperature °C			
	30	40	45	50
1000	1,04	1,00	0,98	0,95
1500	1,03	0,97	0,95	0,92
2000	0,99	0,93	0,91	0,88
2500	0,95	0,90	0,88	0,86
3000	0,91	0,86	0,84	0,82

Power factor

The nominal power factor is 0,8 lagging. For different power factor values the following derating factors must be applied.

Power factor	1,0	+0,8	+0,7	+0,6	+0,5	+0,3	0
κφ	1,00	1,00	0,93	0,88	0,84	0,82	0,80

For negative power factors please contact Marelli Motori.

Degree of protection

Standards generators are air-cooled with IP 23 degree of protection (IC 01 cooling type). To obtain a higher index of protection (IP 55) generators generators can be supplied with an air to water heat exchanger installed on the body of the machinery (IC 81 W cooling type).

In this case power values has to be derated by 0,9.

Special configurations

The following derating factors must be applied to the corresponding configurations.

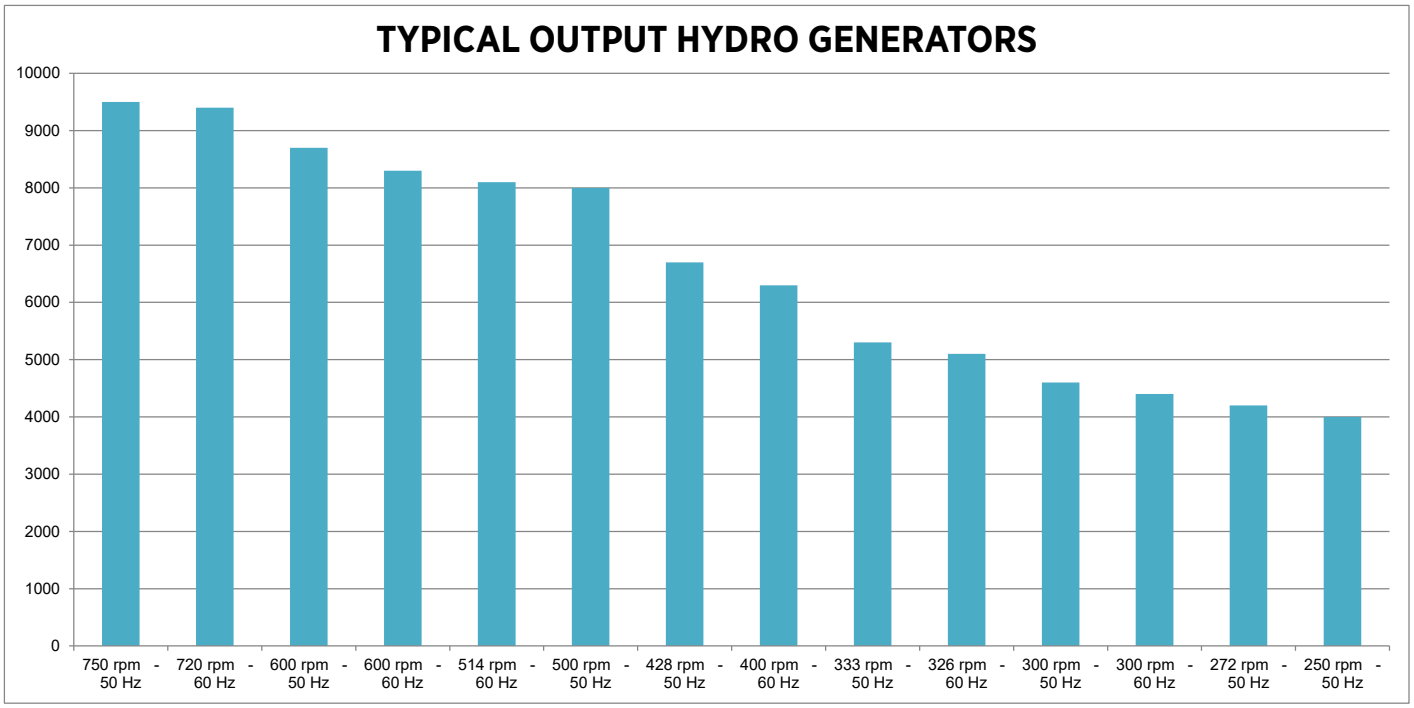
Special configuration	Air to water heat exchanger	Outlet air duct*	Inlet + outlet air duct*
K factor	0,90	0,95	0,90

*Counter pressure value will be communicated during generator design.

ODP Synchronous generators - Low voltage

MXT - MJT

Poles	Voltage	Frequency	RPM
	V	Hz	min^{-1}
4	400	50	1500
6	400	50	1000
8	400	50	750
10	400	50	600
12	400	50	500
14	400	50	428
16	400	50	375
18	400	50	333
20	690	50	300
22	690	50	272
24	690	50	250
4	480	60	1800
6	480	60	1200
8	480	60	900
10	480	60	720
12	480	60	600
14	480	60	514
16	480	60	450
18	480	60	400
20	690	60	360
22	690	60	326
24	690	60	300



MXT - MJT

Type	Continuous duty rating kVA @ Temp. rise over 40 °C ambient temp.				Moment of Inertia	Weight	Max overspeed	Mounting
	105 ΔT Cl. F	80 ΔT Cl. B	105 ΔT Cl. F	80 ΔT Cl. B				
	50 Hz		60 Hz					
4 POLES	400 V - 1500 min^{-1}		480 V - 1800 min^{-1}		Kgm^2	Kg	min^{-1}	
MXT 180 XA 4	16.5	14.4	20.6	18.0	0.211	110	2700	H
MXT 180 SA 4	20.6	18.0	25.8	22.5	0.251	132	2700	H
MXT 180 SB 4	24.8	21.6	31.0	27.0	0.276	144	2700	H
MXT 180 SC 4	28.1	24.5	35.1	30.6	0.308	157	2700	H
MXT 180 MA 4	33.0	28.8	41.2	36.0	0.346	181	2700	H
MXT 180 MC 4	37.1	32.4	46.4	40.5	0.374	193	2700	H
MXT 180 LA 4	41.2	36.0	51.6	45.0	0.386	206	2700	H
MXT 180 LB 4	51.9	45.4	65.0	56.7	0.448	234	2700	H
MXT 225 SA 4	61.8	54.0	77.4	67.5	0.794	311	2700	H
MXT 225 SB 4	70.1	61.2	87.7	76.5	0.900	337	2700	H
MXT 225 MA 4	82.5	72.0	103.1	90.0	1.044	382	2700	H
MXT 225 MB 4	99.0	86.4	123.8	108.0	1.150	401	2700	H
MXT 225 LA 4	111.3	97.2	139.2	121.5	1.238	451	2700	H
MXT 225 LB 4	123.8	108.0	154.6	135.0	1.358	483	2700	H
MXT 225 LC 4	131.9	115.2	164.3	144.0	1.358	485	2700	H
MJT 250 MB 4	153	133	183	160	1,66	590	2700	H
MJT 315 SA 4	247	216	297	259	3,66	830	2700	H
MJT 315 SB 4	289	252	346	302	4,25	920	2700	H
MJT 315 MA 4	338	295	406	354	4,80	1060	2700	H
MJT 315 MB 4	371	324	445	389	5,68	1.200	2700	H
MJT 355 SA 4	421	367	505	441	7,97	1.250	2700	H
MJT 355 SB 4	470	410	564	492	9,29	1.550	2700	H
MJT 355 MA 4	561	490	673	588	11,69	1.800	2700	H
MJT 355 MB 4	660	576	792	691	13,12	2.050	2700	H
MJT 400 SA 4	520	455	625	545	10,2	1.750	3000 / 2700	H/V
MJT 400 SB 4	615	540	740	645	11,1	1.850	3000 / 2700	H/V
MJT 400 MA 4	680	595	860	750	14,6	2.050	3000 / 2700	H/V
MJT 400 MB 4	815	710	1.030	900	17,0	2.300	3000 / 2700	H/V
MJT 400 LA 4 *	895	780	1.105	965	19,3	2.550	2.700	H
MJT 400 LB 4*	1.010	885	1.265	1.105	22,5	2.800	2.700	H
MJT 500 SA 4	1.245	1.085	1.515	1.325	37,5	3.100	2.700	H/V
MJT 500 SC 4	1.460	1.275	1.750	1.530	46,7	3.700	2.700	H/V
MJT 500 MB 4*	1.675	1.460	2.005	1.750	52,5	4.400	2.700	H
MJT 560 MA 4*	2.145	1.870	2.465	2.150	83	5.000	2.700	H

* Only Flexible Coupling

MJT

Type	Continuous duty rating kVA @ Temp. rise over 40 °C ambient temp.				Moment of Inertia	Weight	Max overspeed	Mounting
	105 ΔT Cl. F	80 ΔT Cl. B	105 ΔT Cl. F	80 ΔT Cl. B				
	50 Hz		60 Hz					
6 POLES	400 V - 1000 min^{-1}		480 V - 1200 min^{-1}		Kgm^2	Kg	min^{-1}	
MJT 400 SA 6	350	305	415	360	13,5	1.450	2.400	H/V
MJT 400 SB 6	400	350	480	420	15,9	1.600	2.400	H/V
MJT 400 MA 6	530	460	630	550	21,9	2.000	2.400	H/V
MJT 400 MB 6	615	540	730	640	25,5	2.260	2.400	H/V
MJT 400 LA 6	660	575	825	690	29,8	2.530	2.200	H
MJT 400 LB 6	815	710	975	850	33,9	2.750	2.200	H
MJT 500 SA 6	970	850	1.160	1.050	50,5	3.200	2.400	H/V
MJT 500 SC 6	1.140	1.000	1.370	1.200	64,7	3.800	2.400	H/V
MJT 500 MB6	1.320	1.150	1.580	1.380	70,0	4.100	2.200	H/V
MJT 500 MC 6	1.450	1.265	1.740	1.520	74	4.500.	2.200	H/V
MJT 500 LA 6	1.540	1.345	1.930	1.685	88,9	5.100	2.200	H
MJT 630 SA 6	1.660	1.450	1.990	1.740	120	7.400	2.200	H/V
MJT 630 SC 6	2.000	1.750	2.400	2.100	145	8.000	2.200	H/V
MJT 630 MB 6	2.400	2.100	2.880	2.520	183	8.500	2.200	H/V
MJT 630 LA 6	2.630	2.300	3.160	2.760	200	9.500	2.200	H
MJT 630 LB 6*	2.900	2.600	3.400	3.100	200	10.500	2.000	H
MJT 710 SA 6*	3.400	3.000	4.000	3.600	300	9.800	2.100	H/V
MJT 710 MA 6**	3.090	2.700	3.700	3.200	350	11.000	2.100	H/V
MJT 710 MB 6**	3.650	3.200	4.350	3.800	385	12.000	2.100	H/V
8 POLES	400 V - 750 min^{-1}		480 V - 900 min^{-1}		Kgm^2	Kg	min^{-1}	
MJT 400 SA 8	230	200	275	240	13	1.450	2.000	H/V
MJT 400 SB 8	285	250	340	300	16,3	1.600	2.000	H/V
MJT 400 MA 8	375	330	450	395	22,8	2.000	2.000	H/V
MJT 400 MB 8	430	375	515	450	26,5	2.260	2.000	H/V
MJT 400 LA 8	515	450	615	540	32	2.530	2.000	H
MJT 400 LB 8	620	545	740	650	35,5	2.750	2.000	H
MJT 500 SA 8	745	650	890	780	55,1	3.200	2.000	H/V
MJT 500 SC 8	915	800	1.100	960	74,2	3.800	2.000	H/V
MJT 500 MB 8	1.045	910	1.250	1.090	77,7	4.100	2.000	H/V
MJT 500 MC 8	1.150	1.000	1.380	1.200	91	4.700	2.000	H/V
MJT 500 LA 8	1.235	1.080	1.480	1.295	95,0	5.100	2.000	H
MJT 560 SC 8	1.375	1.200	1.650	1.440	122	5.000	2.000	H/V
MJT 560 MB 8	1.600	1.400	1.920	1.680	146	5.700	2.000	H/V
MJT 630 SC 8	1.660	1.450	1.990	1.740	177	6.500	1.900	H/V
MJT 630 MA 8*	1.890	1.650	2.260	1.980	204	8.000	1.900	H/V
MJT 630 LA 8*	2.020	1.760	2.420	2.100	245	9.500	1.900	H
MJT 710 SA 8	2.280	2.000	2.750	2.400	310	10.300	1.800	H/V
MJT 710 SC 8	2.630	2.300	3.150	2.750	380	11.500	1.800	H/V
MJT 710 MA 8**	2.850	2.500	3.400	3.000	400	12.500	1.800	H/V
MJT 710 LA 8**	3.400	3.000	4.100	3.600	460	13.500	1.800	H/V

For different configurations / speed not included above, please contact Marelli Motori.
*: 690V recommended
** Only 690 V
The rated outputs refer to the following conditions: balanced and non deforming load, altitude below 1.000 m asl, power factor from 0,8 to 1.
For values of overspeed greater than as listed, please contact Marelli Motori.

MJT

Type	Continuous duty rating kVA @ Temp. rise over 40 °C ambient temp. 105 ΔT Cl. F	80 ΔT Cl. B	105 ΔT Cl. F	80 ΔT Cl. B	Moment of Inertia	Weight	Max overspeed	Mounting
	50 Hz		60 Hz					
10 POLES	400 V - 600 min^{-1}		480 V - 720 min^{-1}		Kgm^2	Kg	min^{-1}	
MJT 500 XSA 10	340	300	410	360	55,0	3.200	1.500	H/V
MJT 500 SA 10	600	525	720	630	63,8	3.400	1.500	H/V
MJT 500 SC 10	760	670	920	800	81,6	3.800	1.500	H/V
MJT 500 MA 10	780	680	940	820	85,7	4.100	1.500	H/V
MJT 500 LA 10	865	755	1.085	945	106,7	5.100	1.500	H
MJT 630 SA 10	1.100	960	1.320	1.150	155	6.500	1.320	H/V
MJT 630 SC 10	1.300	1.140	1.560	1.360	190	8.000	1.320	H/V
MJT 630 MB 10	1.480	1.300	1.780	1.550	230	8.500	1.320	H/V
MJT 710 SA 10*	1.800	1.600	2.240	1.960	360	10.500	1.320	H/V
MJT 710 SC 10*	2.400	2.100	2.760	2.400	410	11.500	1.320	H/V
MJT 710 MB 10*	2.800	2.450	3.100	2.700	470	12.500	1.320	H/V
MJT 710 LB 10*	2.980	2.600	3.300	2.880	530	15.000	1.320	H/V
Higher output @690 V available on request at 800-900 frame size.								
12 POLES	400 V - 500 min^{-1}		480 V - 600 min^{-1}		Kgm^2	Kg	min^{-1}	
MJT 630 SB 12	700	610	830	730	180	6.000	1.100	H/V
MJT 630 SC 12	850	740	1.010	880	206	6.500	1.100	H/V
MJT 630 MA 12	950	830	1.090	950	238	8.000	1.100	H/V
MJT 630 MB 12	1.200	1.050	1.380	1.200	260	8.500	1.100	H/V
MJT 630 LA 12	1.400	1.220	1.680	1.410	285	9.500	1.100	H/V
MJT 710 SC 12*	1.800	1.550	2.130	1.860	380	11.500	1.100	H/V
MJT 710 MB 12*	2.050	1.790	2.460	2.140	480	12.500	1.100	H/V
MJT 710 LA 12*	2.400	2.090	2.760	2.410	530	14.500	1.100	H/V
MJT 800 MB 12**	3.000	2.600	-	-	870	20.000	1.100	H/V
14 POLES	400 V - 428 min^{-1}		480 V - 514 min^{-1}		Kgm^2	Kg	min^{-1}	
MJT 710 SA 14*	800	700	1.050	920	315	10.500	950	H/V
MJT 710 SC 14*	1.000	870	1.450	1.260	380	11.500	950	H/V
MJT 710 MA 14*	1.400	1.230	1.730	1.510	440	12.300	950	H/V
MJT 710 LA 14*	1.520	1.330	2.130	1.860	490	14.500	950	H/V
MJT 710 LB 14*	1.780	1.550	2.410	2.100	530	15.500	950	H/V
MJT 800 MB 14	2.300	2.000	-	-	on req.	20.000	950	H/V
16 POLES	400 V - 375 min^{-1}		480 V - 450 min^{-1}		Kgm^2	Kg	min^{-1}	
MJT 710 SA 16	680	600	825	720	290	10.500	825	H/V
MJT 710 SC 16	915	800	1.100	960	370	11.500	825	H/V
MJT 710 MA 16	1.070	940	1.290	1.120	405	12.300	825	H/V
MJT 710 MB 16*	1.260	1.100	1.510	1.320	475	13.000	825	H/V
MJT 710 LB 16*	1.480	1.300	1.780	1.550	500	15.500	825	H/V
MJT 800 MB 16**	2.000	1.700	-	-	on req.	20.000	825	H/V

For other power/sizes not included above, please contact Marelli Motori
*: 690V recommended
** Only 690 V

MJT

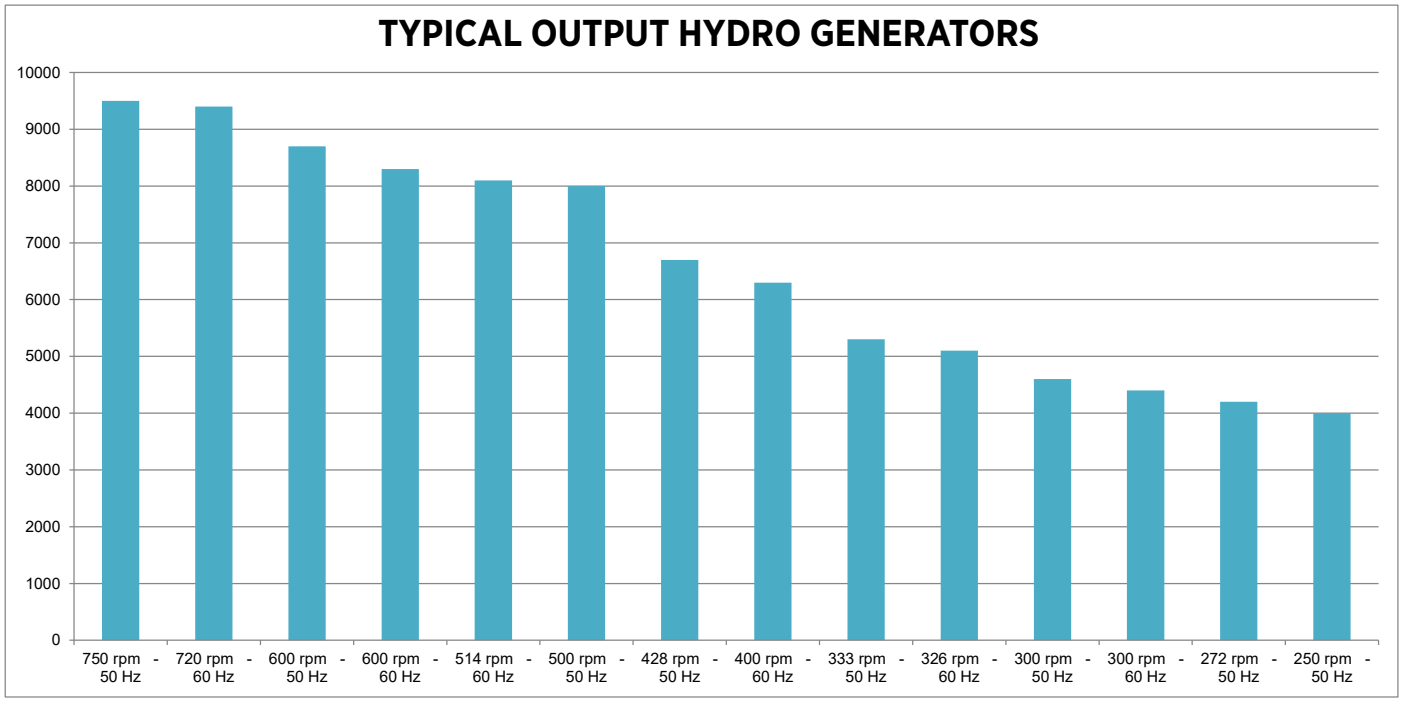
Type	Continuous duty rating kVA @ Temp. rise over 40 °C ambient temp.				Moment of Inertia	Weight	Max overspeed	Mounting
	105 ΔT Cl. F	80 ΔT Cl. B	105 ΔT Cl. F	80 ΔT Cl. B				
	50 Hz		60 Hz					
18 POLES	400 V - 333 min^{-1}		480 V - 400 min^{-1}		Kgm^2	Kg	min^{-1}	
MJT 710 SA 18	600	530	730	630	420	10.500	740	H/V
MJT 710 SC 18	860	750	1.030	900	500	11.500	740	H/V
MJT 710 MA 18	1.040	900	1.235	1.080	550	12.300	740	H/V
MJT 710 LA 18	1.200	1.050	1.445	1.260	600	13.000	740	H/V
MJT 710 LB 18	1.375	1.200	1.650	1.440	640	15.500	740	H/V
MJT 800 M 18**	1.700	1.500	2.000	1.800	on req.	20.000	on req.	on req.
20 POLES	690 V - 300 min-1		690 V - 360 min-1		Kgm^2	Kg	min^{-1}	
MJT 710 S 20**	800	700	960	840	450	10.500	720	H/V
MJT 710 M 20**	980	900	1.170	1.080	550	13.500	720	H/V
MJT 800 M 20**	1.375	1.200	1.650	1.440	on req.	20.000	720	H/V
MJT 900 M 20**	1.770	1.550	2.120	1.850	on req.	27.000	720	H/V
22 POLES	690 V - 272 min-1		690 V - 326 min-1		Kgm^2	Kg	min^{-1}	
MJT 710 S 22**	570	500	680	600	480	10500	975	H/V
MJT 710 M 22**	1.080	950	1.300	1.140	570	13500	800	H/V
MJT 800 M 22	1.375	1.200	1.650	1.440	on req.	20000	750	H/V
MJT 900 M 22	1.770	1.550	2.120	1.850	on req.	27.000	750	H/V
24 POLES	690 V - 250 min-1		690 V - 300 min-1		Kgm^2	Kg	min^{-1}	
MJT 800 24**	910	800	1.100	960	on req.	20.000	600	H/V
MJT 900 24**	1.370	1.200	1.630	1.400	on req.	27.000	600	H/V

For different configurations / speed not included above, please contact Marelli Motori.
*: 690V recommended
** Only 690 V
The rated outputs refer to the following conditions: balanced and non deforming load, altitude below 1.000 m asl, power factor from 0,8 to 1.
For values of overspeed greater than as listed, please contact Marelli Motori.

ODP Synchronous generators - Medium voltage

MJHT

Poles	Voltage	Frequency	RPM
	V	Hz	min^{-1}
4	3000 V / 6000 V	50	1500
6	3000 V / 6000 V	50	1000
8	3000 V / 6000 V	50	750
10	3000 V / 6000 V	50	600
12	3000 V / 6000 V	50	500
14	3000 V / 6000 V	50	428
16	3000 V / 6000 V	50	375
18	3000 V / 6000 V	50	333
4	3000 V / 6000 V	60	1800
6	3000 V / 6000 V	60	1200
8	3000 V / 6000 V	60	900
10	3000 V / 6000 V	60	720
12	3000 V / 6000 V	60	600
14	3000 V / 6000 V	60	514
16	3000 V / 6000 V	60	450
18	3000 V / 6000 V	60	400



MJHT

Type	Continuous duty rating kVA @ Temp. rise over 40 °C ambient temp. 50 Hz				Continuous duty rating kVA @ Temp. rise over 40 °C ambient temp. 60 Hz				Moment of Inertia	Weight	Max overspeed	Mounting
	105 ΔT Cl. F	80 ΔT Cl. B	105 ΔT Cl. F	80 ΔT Cl. B	105 ΔT Cl. F	80 ΔT Cl. B	105 ΔT Cl. F	80 ΔT Cl. B				
4 POLES	3000 V - 1500 min^{-1}		6000 V - 1500 min^{-1}		3000 V - 1800 min^{-1}		6000 V - 1800 min^{-1}		Kgm^2	Kg	min^{-1}	
MJHT 400 SA 4	375	335	-	-	431	385	-	-	10,2	1.850	3.000	H/V
MJHT 400 MA 4	540	480	500	440	621	552	575	506	14,6	2.100	3.000	H/V
MJHT 400 LA 4	750	665	665	590	863	765	765	679	19,3	2.600	2.700	H
MJHT 400 LB 4	920	810	835	740	1.058	932	960	851	22,5	2.850	2.700	H
MJHT 500 SA 4	1.040	925	920	810	1.196	1.064	1.058	932	37,5	3.200	2.700	H/V
MJHT 500 MA 4	1.290	1.145	1.105	975	1.484	1.317	1.271	1.121	46,7	3.900	2.700	H
MJHT 500MB 4	1.540	1.365	1.290	1.145	1.771	1.570	1.484	1.317	52,5	4.500	2.700	H
MJHT 560 MA 4	1.980	1.730	1.800	1.570	2.277	1.990	2.070	1.806	83	5100	2.700	H
6 POLES	3000 V - 1000 min^{-1}		6000 V- 1000 min^{-1}		3000 V - 1200 min^{-1}		6000 V - 1200 min^{-1}		Kgm^2	Kg	min^{-1}	
MJHT 400 MA 6	385	340	-	-	443	391	-	-	17,9	2.100	2.200	H/V
MJHT 400 LA 6	560	495	490	435	644	569	564	500	20,9	2.650	2.200	H
MJHT 400 LB 6	600	530	525	465	690	610	604	535	24,2	2.850	2.200	H
MJHT 500 SA 6	685	605	590	520	788	696	679	598	50,5	3.300	2.400	H/V
MJHT 500 MA 6	840	745	735	650	966	857	845	748	70,0	4.200	2.200	H/V
MJHT 500 MB 6	1.000	885	875	775	1.150	1.018	1.006	891	73,6	4.500	2.200	H/V
MJHT 500 LA 6	1.125	995	1.000	885	1.294	1.144	1.150	1.018	88,9	5.200	2.200	H
MJHT 630 SA 6	1.590	1.390	1.490	1.300	1.830	1.600	1.715	1.495	94	6.000	2.200	H/V
MJHT 630 MA 6	1.750	1.530	1.650	1.440	2.015	1.760	1.900	1.660	145	6.700	2.200	H/V
MJHT 630 MB 6	1.900	1.660	1.800	1.570	2.185	1.910	2.070	1.810	167	8.100	2.200	H/V
MJHT 630 LA 6	2.000	1.750	1.820	1.590	2.300	2.013	2.093	1.829	190	9.000	2.200	H
MJHT 710 SA 6	2.500	2.200	2.400	2.100	2.950	2.600	2.850	2.500	on req.	9.800	2.100	H/V
MJHT 710 MA 6	3.600	3.150	3.400	3.000	4.200	3.700	4.100	3.600	on req.	11.000	2.100	H/V
MJHT 710 LA 6	4.300	3.800	3.900	3.400	5.100	4.500	4.600	4.050	on req.	on req.	2.100	H
MJHT 710 LB 6	4.800	4.200	4.450	3.900	5.700	5.000	5.300	4.650	on req.	on req.	2.100	H
MJHT 800 MA 6	on request											H/V
MJHT 900 M 6	on request											H/V

For different configurations / speed not included above, please contact Marelli Motori.
The rated outputs refer to the following conditions: balanced and non deforming load, altitude below 1.000 m a.s.l., power factor from 0,8 to 1.
For values of overspeed greater than as listed, please contact Marelli Motori

MJHT

Type	Continuous duty rating kVA @ Temp. rise over 40 °C ambient temp. 50 Hz				Continuous duty rating kVA @ Temp. rise over 40 °C ambient temp. 60 Hz				Moment of Inertia	Weight	Max overspeed	Mounting
	105 ΔT Cl. F	80 ΔT Cl. B	105 ΔT Cl. F	80 ΔT Cl. B	105 ΔT Cl. F	80 ΔT Cl. B	105 ΔT Cl. F	80 ΔT Cl. B				
8 POLES	3000 V - 750 min^{-1}		6000 V - 750 min^{-1}		3000 V - 900 min^{-1}		6000 V - 900 min^{-1}		Kgm^2	Kg	min^{-1}	
MJHT 400 MA 8	245	220	-	-	282	253	-	-	20,6	2.100	2.000	H/V
MJHT 400 LA 8	425	375	365	325	489	431	420	374	24,1	2.630	2.000	H
MJHT 400 LB 8	485	430	420	370	558	495	483	426	25,4	2.850	2.000	H
MJHT 500 SA 8	620	545	530	475	713	627	610	546	55,1	3.300	2.000	H/V
MJHT 500 MA 8	745	665	650	575	857	765	748	661	77,7	4.200	2.000	H/V
MJHT 500 MB 8	880	780	765	675	1.012	897	880	776	82,2	4.500	2.000	H/V
MJHT 500 LA 8	1.010	895	880	780	1.162	1.029	1.012	897	95,0	5.200	2.000	H/V
MJHT 560 MA 8	1.330	1.160	1.235	1.080	1.530	1.334	1.420	1.242	122,0	5.100	2.000	H
MJHT 560 LA 8	1.475	1.285	1.370	1.195	1.696	1.478	1.576	1.374	146,0	5.800	2.000	H
MJHT 630 SA 8	1.260	1.100	1.150	1.000	1.449	1.265	1.323	1.150	114	6.000	1.900	H/V
MJHT 630 MA 8	1.540	1.350	1.430	1.250	1.771	1.553	1.645	1.438	177	6.700	1.900	H/V
MJHT 630 MB 8	1.715	1.500	1.600	1.400	1.972	1.725	1.840	1.610	204	8.100	1.900	H/V
MJHT 630 LA 8	1.890	1.650	1.830	1.600	2.174	1.898	2.105	1.840	231	9.000	1.900	H
MJHT 710 SA 8	2.400	2.100	2.280	2.000	2.760	2.415	2.622	2.300	on req.	10.300	1.800	H/V
MJHT 710 SC 8	2.750	2.400	2.630	2.300	3.163	2.760	3.025	2.645	on req.	11.500	on req.	H/V
MJHT 710 MA 8	3.200	2.800	3.080	2.700	3.680	3.220	3.542	3.105	on req.	12.500	1.800	H/V
MJHT 710 MB 8	3.400	3.000	3.300	2.900	3.910	3.450	3.795	3.335	on req.	on req.	1.800	H/V
MJHT 710 LB 8	3.700	3.300	3.600	3.150	4.255	3.795	4.140	3.623	on req.	on req.	1.800	H
MJHT 800 MA 8	3.960	3.450	3.840	3.350	4.554	3.968	4.416	3.853	on req.	on req.	on req.	H/V
MJHT 800 MB 8	4.070	3.550	4.470	3.900	4.681	4.083	5.141	4.485	on req.	on req.	on req.	H/V
MJHT 800 LA 8	5.000	4.400	5.000	4.400	5.750	5.060	5.750	5.060	on req.	on req.	on req.	V
MJHT 900 M 8	5.500	4.800	5.500	4.800	6.325	5.520	6.325	5.520	on req.	on req.	on req.	H/V
10 POLES	3000 V - 600 min^{-1}		6000 V - 600 min^{-1}		3000 V - 720 min^{-1}		6000 V - 720 min^{-1}		Kgm^2	Kg	min^{-1}	
MJHT 500 SA10	465	410	400	360	535	472	460	414	63,8	3.300	1.500	H/V
MJHT 500 MA 10	565	500	490	435	650	575	564	500	85,7	4.200	1.500	H/V
MJHT 500 MB 10	665	590	580	515	765	679	667	592	89,7	4.700	1.500	H/V
MJHT 500 LA 10	740	660	645	570	851	759	742	656	106,7	5.200	1.500	H
MJHT 630 SA 10	1.085	950	1.030	900	1.248	1.093	1.185	1.035	120	6.000	1.320	H/V
MJHT 630 MA 10	1.375	1.200	1.260	1.100	1.581	1.380	1.449	1.265	188	6.700	1.320	H/V
MJHT 630 MB 10	1.480	1.300	1.375	1.200	1.702	1.495	1.581	1.380	217	8.100	1.320	H/V
MJHT 630 LA 10	1.545	1.350	1.480	1.300	1.777	1.553	1.702	1.495	245	9.000	1.320	H
MJHT 710 SA 10	1.940	1.700	1.830	1.600	2.231	1.955	2.105	1.840	on req.	10.500	1.320	H/V
MJHT 710 MA 10	2.400	2.100	2.290	2.000	2.760	2.415	2.634	2.300	on req.	on req.	1.320	H/V
MJHT 710 MB 10	2.860	2.500	2.750	2.400	3.289	2.875	3.163	2.760	on req.	on req.	1.320	H/V
MJHT 710 LB 10	3.090	2.700	2.975	2.600	3.554	3.105	3.421	2.990	on req.	on req.	1.320	H/V
MJHT 800 MA 10	3.780	3.300	3.780	3.300	4.347	3.795	4.347	3.795	on req.	on req.	1.320	H/V
MJHT 800 MB 10	4.240	3.700	4.240	3.700	4.876	4.255	4.876	4.255	on req.	12.500	1.320	H/V
MJHT 800 L 10	4.460	3.900	4.460	3.900	5.129	4.485	5.129	4.485	on req.	15.000	1.320	H
MJHT 900 M 10	4.900	4.300	4.900	4.300	5.635	4.945	5.635	4.945	on req.	on req.	1.320	H/V

For different configurations / speed not included above, please contact Marelli Motori.
The rated outputs refer to the following conditions: balanced and non deforming load, altitude below 1.000 m a.s.l., power factor from 0,8 to 1.
For values of overspeed greater than as listed, please contact Marelli Motori

MJHT

Type	Continuous duty rating kVA @ Temp. rise over 40 °C ambient temp. 50 Hz				Continuous duty rating kVA @ Temp. rise over 40 °C ambient temp. 60 Hz				Moment of Inertia	Weight	Max overspeed	Mounting
	105 ΔT Cl. F	80 ΔT Cl. B	105 ΔT Cl. F	80 ΔT Cl. B	105 ΔT Cl. F	80 ΔT Cl. B	105 ΔT Cl. F	80 ΔT Cl. B				
12 POLES	3000 V - 500 min^{-1}		6000 V - 500 min^{-1}		3000 V - 600 min^{-1}		6000 V - 600 min^{-1}		Kgm^2	Kg	min^{-1}	
MJHT 630 SA12	710	620	650	570	817	713	748	656	133	6.000	1.100	H/V
MJHT 630 MA 12	915	800	860	750	1.052	920	989	863	206	6.700	1.100	H/V
MJHT 630 MB 12	1.080	950	1.030	900	1.242	1.093	1.185	1.035	238	8.100	1.100	H/V
MJHT 630 LA 12	1.200	1.050	1.150	1.000	1.380	1.208	1.323	1.150	269	9.000	1.100	H/V
MJHT 710 SA 12	1.315	1.150	1.200	1.050	1.512	1.323	1.380	1.208	on req.	on req.	1.100	H/V
MJHT 710 SC 12	1.600	1.400	1.490	1.300	1.840	1.610	1.714	1.495	on req.	11.500	1.100	H/V
MJHT 710 MB 12	1.945	1.700	1.830	1.600	2.237	1.955	2.105	1.840	on req.	12.500	1.100	H/V
MJHT 710 LA 12	2.290	2.000	2.170	1.900	2.634	2.300	2.496	2.185	on req.	14.500	1.100	H/V
MJHT 800 MA 12	2.980	2.500	2.860	2.400	3.427	2.875	3.289	2.760	on req.	20.000	1.100	H/V
MJHT 800 MB 12	3.200	2.700	3.090	2.600	3.680	3.105	3.554	2.990	on req.	on req.	1.100	H/V
MJHT 800 L 12	3.430	2.900	3.320	2.800	3.945	3.335	3.818	3.220	on req.	on req.	1.100	H
MJHT 900 M 12	3.650	3.200	3.650	3.200	4.198	3.680	4.198	3.680	on req.	on req.	1.100	H/V
MJHT 900 LA 12	4.100	3.600	4.100	3.600	4.715	4.140	4.715	4.140	on req.	on req.	1.100	H/V
MJHT 900 LB 12	4.350	3.800	4.350	3.800	5.003	4.370	5.003	4.370	on req.	on req.	1.100	H
14 POLES	3000 V - 428 min^{-1}		6000 V - 428 min^{-1}		3000 V - 514 min^{-1}		6000 V - 514 min^{-1}		Kgm^2	Kg	min^{-1}	
MJHT 710 SA 14	910	790	830	730	1.047	909	955	840	on req.	10.500	950	H/V
MJHT 710 SC 14	1.190	1.040	1.090	950	1.369	1.196	1.254	1.093	on req.	11.500	950	H/V
MJHT 710 MA 14	1.400	1.220	1.290	1.130	1.610	1.403	1.484	1.300	on req.	12.300	950	H/V
MJHT 710 LA 14	1.800	1.570	1.650	1.440	2.070	1.806	1.898	1.656	on req.	14.500	950	H
MJHT 710 LB 14	1.960	1.710	1.830	1.600	2.254	1.967	2.105	1.840	on req.	15.500	950	H
MJHT 800 M 14	2.600	2.300	2.850	2.500	2.254	1.967	2.105	1.840	on req.	20.000	950	H/V
MJHT 800 LB 14	2.970	2.600	3.250	2.800	2.254	1.967	2.105	1.840	on req.	on req.	950	H
MJHT 900 M 14	3.780	3.300	4.100	3.600	4.347	3.795	4.347	3.795	on req.	on req.	950	H/V
MJHT 900 L 14	4.300	3.800	4.700	4.150	4.474	3.910	4.474	3.910	on req.	on req.	950	H
16 POLES	3000 V - 375 min^{-1}		6000 V - 375 min^{-1}		3000 V - 450 min^{-1}		6000 V - 450 min^{-1}		Kgm^2	Kg	min^{-1}	
MJHT 710 SA 16	810	710	750	650	932	817	863	748	on req.	10.500	825	H/V
MJHT 710 SC 16	1.070	930	980	860	1.231	1.070	1.127	989	on req.	11.500	825	H/V
MJHT 710 MA 16	1.260	1.100	1.150	1.010	1.449	1.265	1.323	1.162	on req.	12.300	825	H/V
MJHT 710 LA 16	1.610	1.410	1.480	1.290	1.852	1.622	1.702	1.484	on req.	on req.	825	H/V
MJHT 710 LB 16	1.760	1.540	1.610	1.410	2.024	1.771	1.852	1.622	on req.	15.500	825	H
18 POLES	3000 V - 333 min^{-1}		6000 V - 333 min^{-1}		3000 V - 400 min^{-1}		6000 V - 400 min^{-1}		Kgm^2	Kg	min^{-1}	
MJHT 710 SA 18	730	640	670	580	840	736	771	667	on req.	10.500	740	H/V
MJHT 710 MA 18	960	840	880	770	1.104	966	1.012	886	on req.	12.300	740	H/V
MJHT 710 MB 18	1.130	990	1.040	900	1.300	1.139	1.196	1.035	on req.	on req.	740	H/V
MJHT 710 LA 18	1.450	1.260	1.330	1.160	1.668	1.449	1.530	1.334	on req.	13.000	740	H/V
MJHT 710 LB 18	1.600	1.400	1.600	1.400	1.840	1.610	1.840	1.610	on req.	15.500	740	H/V

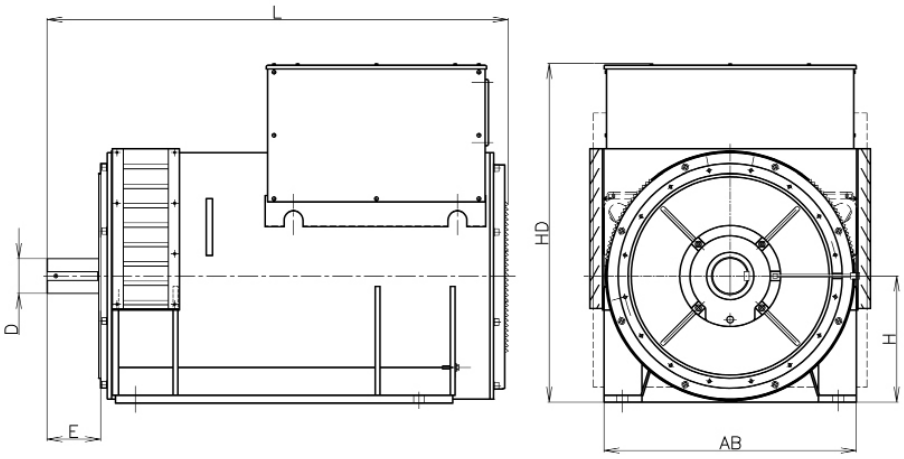
For different speed not included above please contact Marelli motori. (Available 20, 22, 24, 26, 28, 30, 32 poles)

For different configurations / speed not included above, please contact Marelli Motori.
The rated outputs refer to the following conditions: balanced and non deforming load, altitude below 1.000 m a.s.l., power factor from 0,8 to 1.
For values of overspeed greater than as listed, please contact Marelli Motori.

ODP Synchronous generators - Overall dimensions

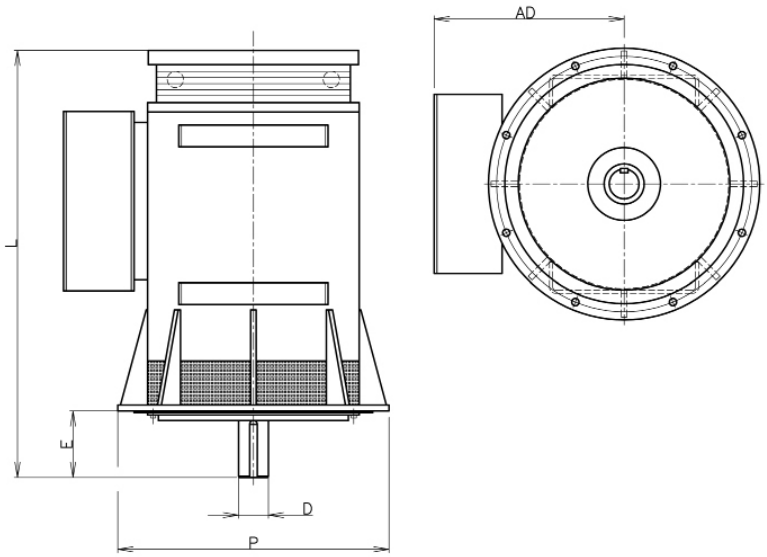
Mounting: IM B3 - Air cooled (IC01)

Dimension (mm)	400			450		500			560		630			710		
	S	M	L	M	L	S	M	L	M	L	S	M	L	S	M	L
H	400	400	400	450	450	500	500	500	560	560	630	630	630	710	710	710
HD	1100	1100	1100	1190	1190	1370	1370	1370	1430	1430	1580	1580	1580	1880	1880	1880
AB	800	800	800	900	900	1000	1000	1000	1100	1100	1280	1280	1280	1500	1500	1500
L	1360	1560	1760	1807	1987	1920	2170	2270	2305	2405	2150	2350	2450	2450	2650	2650
D	110	110	110	125	125	130	130	130	150	150	160	160	160	180	180	180
E	170	170	170	210	210	210	210	210	230	230	250	250	250	300	300	300



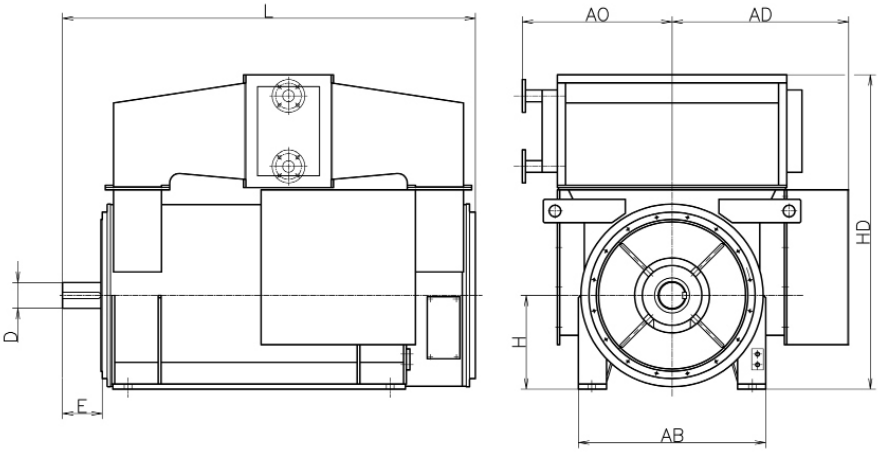
Mounting: IM V10 - Air cooled (IC01)

Dimension (mm)	400			450		500			560		630			710		
	S	M	L	M	L	S	M	L	M	L	S	M	L	S	M	L
P	1000	1000	1000	1150	1150	1250	1250	1250	1400	1400	1600	1600	1600	1800	1800	1800
AD	700	700	700	700	740	740	740	780	700	700	1125	1125	1125	1150	1150	1150
L	1540	1740	1940	2030	2210	2250	2500	2600	2340	2440	2430	2630	2730	2470	2670	2770
D	110	110	110	125	125	130	130	130	150	150	160	160	160	180	180	180
E	170	170	170	210	210	210	210	210	230	230	210	210	210	300	300	300



Mounting: IM B3 - Air-to-water heat exchanger (IC81W)

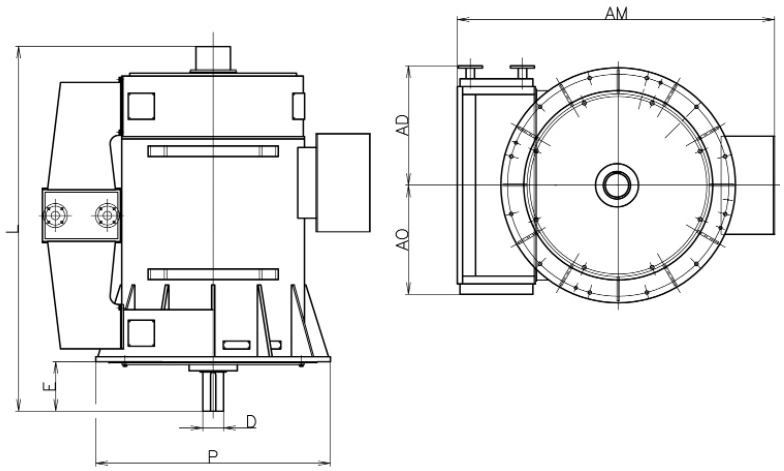
Dimension (mm)	400			500			560		630			710		
	S	M	L	S	M	L	M	L	S	M	L	S	M	L
H	400	400	400	500	500	500	560	560	630	630	630	710	710	710
HD	1340	1340	1340	1610	1610	1610	1750	1750	1880	1880	1880	2060	2060	2060
AB	800	800	800	1000	1000	1000	1100	1100	1280	1280	1280	1500	1500	1500
L	1345	1545	1745	1830	2080	2180	2180	2280	2150	2350	2450	2440	2640	2740
AO	640	640	640	685	685	685	685	685	825	825	825	915	915	915
AD	750	750	750	800	800	800	800	800	850	850	850	900	900	900
D	110	110	110	130	130	130	150	150	160	160	160	180	180	180
E	170	170	170	210	210	210	230	230	210	210	210	300	300	300



Mounting: IM V10 - Air-to-water heat exchanger (IC81W)

Dimension (mm)	400			500			560		630			710		
	S	M	L	S	M	L	M	L	S	M	L	S	M	L
P	1000	1000	1000	1250	1250	1250	1400	1400	1600	1600	1600	1800	1800	1800
AM	1650	1650	1650	1800	1800	1800	1950	1950	2100	2100	2100	2435	2435	2465
L	1540	1740	1940	2250	2500	2600	2340	2440	2470	2670	2770	2470	2670	2770
AO	640	640	640	685	685	685	685	685	825	825	825	915	915	915
AD	555	555	555	605	605	605	605	605	745	745	745	835	835	835
D	110	110	110	130	130	130	150	150	160	160	160	180	180	180
E	170	170	170	210	210	210	230	230	210	210	210	300	300	300

Dimensions for 450 frame size on demand



ODP Asynchronous generators

C3G - C4G

Type	Output	Output	Speed	Current In	Efficiency (%) η			Power factor cosϕ			Inertia J	Weight IM B3	Max overspeed
	kW	kW											
	50 Hz	60 Hz											
4 POLES	400 V 1500 min^{-1}	480 V 1800 min^{-1}	min^{-1}	A	4/4	3/4	2/4	4/4	3/4	2/4	Kgm^2	kg	min^{-1}
C3G 250 S4	55	66	1535	92.3	92.0%	91.5%	89.0%	0.86	0.84	0.79	0.5	310	3000
C3G 250 M4	75	90	1520	125.9	92.5%	92.0%	89.5%	0.86	0.84	0.79	0.8	385	3000
C3G 280 S4	90	108	1520	147.6	93.0%	92.5%	90.0%	0.88	0.86	0.81	0.9	445	3000
C3G 280 M4	110	132	1520	180.4	93.0%	92.5%	90.0%	0.88	0.86	0.81	1.1	490	3000
C3G 315 S4	132	160	1520	214.1	93.9%	93.4%	90.9%	0.89	0.87	0.82	1.7	640	2750
C3G 315 MA4	160	192	1520	262.4	94.2%	93.7%	91.2%	0.88	0.86	0.81	2.1	760	2750
C3G 315 MB4	200	240	1517	328.0	94.5%	94.0%	91.5%	0.88	0.86	0.81	2.5	830	2750
C3G 315 MD4	250	300	1517	400.9	95.0%	94.5%	92.0%	0.9	0.88	0.83	3.1	990	2750
C3G 315 ME4	275	330	1517	441.0	95.1%	94.6%	92.1%	0.9	0.88	0.83	3.3	1070	2750
C3G 355 LA4	315	375	1509	510.9	95.4%	94.9%	92.4%	0.89	0.87	0.82	5.8	1520	2750
C3G 355 LB4	400	480	1510	648.7	95.9%	95.4%	92.9%	0.89	0.87	0.82	7.5	1750	2750
C3G 355 LC4	450	540	1508	729.8	96.1%	95.6%	93.1%	0.89	0.87	0.82	8.8	1970	2750
C3G 355 LD4	475	570	1508	770.3	96.2%	95.7%	93.2%	0.89	0.87	0.82	10.1	2150	2750
C3G 400 LA4	600	720	1507	973.1	96.9%	96.4%	93.9%	0.89	0.87	0.82	11.7	2750	2750
C3G 400 LB4	700	840	1507	1135.2	96.9%	96.4%	93.9%	0.89	0.87	0.82	13.1	2870	2750
C3G 400 LC4	800	960	1506	1297.4	96.9%	96.4%	93.9%	0.89	0.87	0.82	15	2980	2750
C4G 450 LA4	1100	1320	1507	1783.9	97.0%	96.5%	94.0%	0.89	0.87	0.82	29	3670	2500
C4G 450 LB4	1250	1500	1507	2004.7	97.1%	96.6%	94.1%	0.9	0.88	0.83	33	3890	2500
C4G 450 LC4	1400	1680	1506	2270.5	97.1%	96.6%	94.1%	0.89	0.87	0.82	38.6	4270	2500
C4G 500 LA4	1600	1920	1505	2654.5	97.1%	96.6%	94.1%	0.87	0.85	0.8	53	5350	2500
C4G 500 LB4	1800	2160	1505	2952.4	97.2%	96.7%	94.2%	0.88	0.86	0.81	60	5730	2500
C4G 500 LC4	2000	2400	1505	3318.1	97.3%	96.8%	94.3%	0.87	0.85	0.8	69	6000	2500

C3G - C4G

Type	Output	Output	Speed	Current In	Efficiency (%) η			Power factor cosϕ			Inertia J	Weight IM B3	Max overspeed
	kW	kW											
	50 Hz	60 Hz											
6 POLES	400 V 1000 min^{-1}	480 V 1200 min^{-1}	min^{-1}	A	4/4	3/4	2/4	4/4	3/4	2/4	Kgm^2	kg	min^{-1}
C3G 315 MA6	110	132	1010	189.0	93.3%	92.8%	90.3%	0.84	0.82	0.77	3.2	750	2550
C3G 315 MB6	132	160	1013	226.8	93.5%	93.0%	90.5%	0.84	0.82	0.77	4	850	2550
C3G 315 MC6	150	180	1013	257.7	93.7%	93.2%	90.7%	0.84	0.82	0.77	5	930	2550
C3G 355 LA6	225	270	1007	382.1	95.2%	94.7%	92.2%	0.85	0.83	0.78	7.9	1620	2550
C3G 355 LB6	270	324	1007	458.5	95.5%	95.0%	92.5%	0.85	0.83	0.78	10.4	1850	2550
C3G 355 LC6	315	378	1007	528.7	95.7%	95.2%	92.7%	0.86	0.84	0.79	12	2070	2550
C3G 355 LD6	375	450	1006	636.8	95.7%	95.2%	92.7%	0.85	0.83	0.78	13.8	2480	2550
C3G 400 LA6	400	480	1010	671.3	96.0%	95.5%	93.0%	0.86	0.84	0.79	19	2850	2550
C3G 400 LB6	450	540	1010	755.3	96.2%	95.7%	93.2%	0.86	0.84	0.79	22	2970	2550
C3G 400 LC6	500	600	1010	829.5	96.3%	95.8%	93.3%	0.87	0.85	0.8	24	3080	2550
C3G 400 LD6	560	670	1009	929.1	96.4%	95.9%	93.4%	0.87	0.85	0.8	25	3230	2550
C4G 450 LA6	700	840	1006	1174.8	96.6%	96.1%	93.6%	0.86	0.84	0.79	38	4000	2000
C4G 450 LB6	850	1020	1006	1426.6	96.7%	96.2%	93.7%	0.86	0.84	0.79	44	4300	2000
C4G 450 LC6	950	1140	1006	1594.4	96.8%	96.3%	93.8%	0.86	0.84	0.79	49	4600	2000
C4G 500 LA6	1100	1320	1005	1846.2	97.0%	96.5%	94.0%	0.86	0.84	0.79	66	5040	1800
C4G 500 LB6	1300	1560	1005	2156.8	97.1%	96.6%	94.1%	0.87	0.85	0.8	77	5550	1800
C4G 500 LC6	1500	1800	1005	2488.6	97.1%	96.6%	94.1%	0.87	0.85	0.8	89	6050	1800
C4G 630 LA6	2000	2400	1005	3243.5	97.2%	96.7%	94.2%	0.89	0.87	0.82	154	7500	1800
C4G 630 LB6	2300	2760	1004	3730.1	97.3%	96.8%	94.3%	0.89	0.87	0.82	179	8500	1800
C4G 630 LC6	2700	3240	1004	4330.1	97.4%	96.9%	94.4%	0.9	0.88	0.83	207	9500	1800
8 POLES	400 V 750 min^{-1}	480 V 900 min^{-1}	min^{-1}	A	4/4	3/4	2/4	4/4	3/4	2/4	Kgm^2	kg	min^{-1}
C3G 315 MA8	90	108	765	162.4	93.5%	93.0%	90.5%	0.8	0.78	0.73	3	780	1950
C3G 315 MB8	110	132	765	196.0	93.7%	93.2%	90.7%	0.81	0.79	0.74	4.4	880	1950
C3G 315 MC8	132	158.4	764	229.5	93.9%	93.4%	90.9%	0.83	0.81	0.76	4.8	960	1950
C3G 355 LA8	160	192	757	281.6	94.2%	93.7%	91.2%	0.82	0.8	0.75	9.4	1650	1950
C3G 355 LB8	200	240	756	352.0	94.7%	94.2%	91.7%	0.82	0.8	0.75	12.1	1880	1950
C3G 355 LC8	250	300	756	440.1	94.9%	94.4%	91.9%	0.82	0.8	0.75	14	2100	1950
C3G 355 LD8	280	336	756	492.9	95.0%	94.5%	92.0%	0.82	0.8	0.75	16.2	2510	1950
C3G 400 LA8	300	360	757	515.5	94.3%	93.8%	91.3%	0.84	0.82	0.77	26	2880	1950
C3G 400 LB8	350	420	757	594.3	94.6%	94.1%	91.6%	0.85	0.83	0.78	30	3000	1950
C3G 400 LC8	400	480	758	679.2	94.8%	94.3%	91.8%	0.85	0.83	0.78	33	3110	1950
C4G 450 LA8	500	600	756	849.0	96.0%	95.5%	93.0%	0.85	0.83	0.78	58	3340	1500
C4G 450 LB8	600	720	756	1018.9	96.1%	95.6%	93.1%	0.85	0.83	0.78	65	3580	1500
C4G 450 LC8	700	840	756	1188.7	96.2%	95.7%	93.2%	0.85	0.83	0.78	70	3850	1500
C4G 500 LA8	800	960	755	1374.6	96.4%	95.9%	93.4%	0.84	0.82	0.77	81	5150	1400
C4G 500 LB8	900	1080	755	1546.5	96.8%	96.3%	93.8%	0.84	0.82	0.77	96	5710	1400
C4G 500 LC8	1000	1200	754	1718.3	96.9%	96.4%	93.9%	0.84	0.82	0.77	108	6045	1400
C4G 630 LA8	1350	1620	754	2239.7	96.9%	96.4%	93.9%	0.87	0.85	0.8	202	7360	1300
C4G 630 LB8	1500	1800	754	2488.6	97.0%	96.5%	94.0%	0.87	0.85	0.8	234	8080	1300
C4G 630 LC8	1800	2160	753	2986.3	97.1%	96.6%	94.1%	0.87	0.85	0.8	271	8910	1300
C4G 710 LA8	2000	2400	752	3356.7	97.5%	97.0%	94.5%	0.86	0.84	0.79	455	11070	on request
C4G 710 LB8	2400	2880	752	3981.7	97.7%	97.2%	94.7%	0.87	0.85	0.8	535	12320	on request
C4G 710 LC8	2800	3360	752	4645.3	97.7%	97.2%	94.7%	0.87	0.85	0.8	632	13660	on request

C3G - C4G

Type	Output	Output	Speed	Current In	Efficiency (%) η			Power factor cosφ			Inertia J	Weight IM B3	Max overspeed
	kW	kW											
	50 Hz	60 Hz											
10 POLES	400 V 600 min^{-1}	480 V 720 min^{-1}	min^{-1}	A	4/4	3/4	2/4	4/4	3/4	2/4	Kgm^2	kg	min^{-1}
C3G 355 LA10	132	160	610	235.2	93.6%	93.1%	90.6%	0.81	0.79	0.74	9.5	1650	1525
C3G 355 LB10	160	192	609	274.9	94.2%	93.7%	91.2%	0.84	0.82	0.77	12.1	1880	1525
C3G 355 LC10	180	216	609	316.8	94.3%	93.8%	91.3%	0.82	0.8	0.75	13.7	2200	1525
C3G 355 LD10	200	240	609	352.0	94.5%	94.0%	91.5%	0.82	0.8	0.75	15.6	2510	1525
C3G 400 LA10	230	275	607	420.2	94.3%	93.8%	91.3%	0.79	0.77	0.72	22.8	2880	1525
C3G 400 LB10	270	325	607	493.3	94.4%	93.9%	91.4%	0.79	0.77	0.72	25	3000	1525
C3G 400 LC10	300	360	606	548.1	94.8%	94.3%	91.8%	0.79	0.77	0.72	28	3110	1525
C4G 450 LA10	400	480	606	695.6	95.5%	95.0%	92.5%	0.83	0.81	0.76	55.7	3370	1500
C4G 450 LB10	450	540	605	792.1	95.7%	95.2%	92.7%	0.82	0.8	0.75	63.3	3590	1500
C4G 450 LC10	500	600	605	880.1	95.8%	95.3%	92.8%	0.82	0.8	0.75	70.5	3850	1500
C4G 500 LA10	600	720	604	1069.2	95.8%	95.3%	92.8%	0.81	0.79	0.74	106	5150	1300
C4G 500 LB10	700	840	604	1232.1	96.0%	95.5%	93.0%	0.82	0.8	0.75	122	5710	1300
C4G 500 LC10	800	960	604	1391.2	96.2%	95.7%	93.2%	0.83	0.81	0.76	138	6045	1300
C4G 630 LA10	1050	1260	604	1804.2	96.5%	96.0%	93.5%	0.84	0.82	0.77	213	7500	1100
C4G 630 LB10	1200	1440	604	2037.7	96.6%	96.1%	93.6%	0.85	0.83	0.78	246	7900	1100
C4G 630 LC10	1400	1680	604	2377.3	96.7%	96.2%	93.7%	0.85	0.83	0.78	285	8700	1100
C4G 710 LA10	1500	1800	603	2547.1	97.2%	96.7%	94.2%	0.85	0.83	0.78	485	10940	on request
C4G 710 LB10	1800	2160	603	3021.0	97.3%	96.8%	94.3%	0.86	0.84	0.79	570	12150	on request
C4G 710 LC10	2100	2520	603	3484.0	97.4%	96.9%	94.4%	0.87	0.85	0.8	673	13520	on request
12 POLES	400 V 500 min^{-1}	480 V 600 min^{-1}	min^{-1}	A	4/4	3/4	2/4	4/4	3/4	2/4	Kgm^2	kg	min^{-1}
C3G 355 LA12	110	132	508	223.6	92.6%	92.1%	89.6%	0.71	0.69	0.64	9.5	1650	1300
C3G 355 LB12	132	160	507	268.3	93.2%	92.7%	90.2%	0.71	0.69	0.64	11.3	1850	1300
C3G 355 LC12	160	192	507	325.3	93.2%	92.7%	90.2%	0.71	0.69	0.64	14	2200	1300
C3G 400 LA12	200	240	507	390.1	93.4%	92.9%	90.4%	0.74	0.72	0.67	21.1	2880	1300
C3G 400 LB12	225	270	507	438.9	93.8%	93.3%	90.8%	0.74	0.72	0.67	27.1	3000	1300
C3G 400 LC12	250	300	507	487.6	94.0%	93.5%	91.0%	0.74	0.72	0.67	31	3100	1300
C4G 450 LA12	300	360	505	541.3	94.9%	94.4%	91.9%	0.8	0.78	0.73	56	3300	1300
C4G 450 LB12	350	420	505	631.5	95.1%	94.6%	92.1%	0.8	0.78	0.73	62	3500	1300
C4G 450 LC12	400	480	505	721.7	95.1%	94.6%	92.1%	0.8	0.78	0.73	70	3800	1300
C4G 500 LA12	480	576	504	855.3	95.4%	94.9%	92.4%	0.81	0.79	0.74	101	5100	1200
C4G 500 LB12	580	696	504	1033.5	95.6%	95.1%	92.6%	0.81	0.79	0.74	108	5700	1200
C4G 500 LC12	650	780	504	1158.3	95.7%	95.2%	92.7%	0.81	0.79	0.74	126	6050	1200
C4G 630 LA12	750	900	504	1320.2	96.0%	95.5%	93.0%	0.82	0.8	0.75	224	7300	1100
C4G 630 LB12	850	1020	504	1496.2	96.1%	95.6%	93.1%	0.82	0.8	0.75	259	7890	1100
C4G 630 LC12	1000	1200	503	1760.2	96.3%	95.8%	93.3%	0.82	0.8	0.75	300	8700	1100
C4G 710 LA12	1150	1380	503	1930.1	96.4%	95.9%	93.4%	0.86	0.84	0.79	527	10870	on request
C4G 710 LB12	1350	1620	503	2239.7	96.8%	96.3%	93.8%	0.87	0.85	0.8	620	12070	on request
C4G 710 LC12	1650	1980	503	2706.3	96.9%	96.4%	93.9%	0.88	0.86	0.81	732	13440	on request

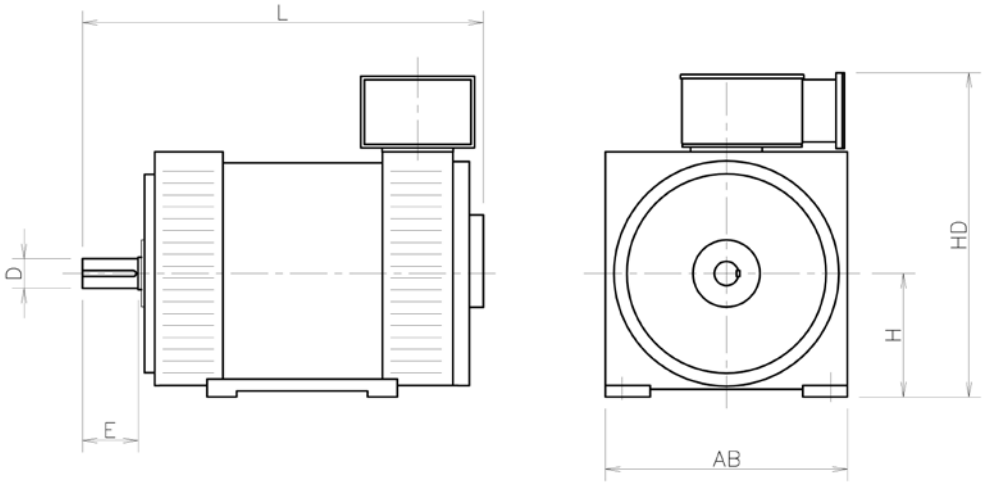
C3G - C4G

Type	Output	Output	Speed	Current In	Efficiency (%) η			Power factor cosϕ			Inertia J	Weight IM B3	Max overspeed
	kW	kW											
	50 Hz	60 Hz											
14 POLES	400 V 428 min^{-1}	480 V 514 min^{-1}	min^{-1}	A	4/4	3/4	2/4	4/4	3/4	2/4	Kgm^2	kg	min^{-1}
C3G 400 LA14	150	180	436	288.7	93.8%	93.3%	90.8%	0.75	0.73	0.68	31.4	2800	1100
C3G 400 LB14	180	216	435	346.4	94.0%	93.5%	91.0%	0.75	0.73	0.68	34.3	3000	1100
C3G 400 LC14	200	240	435	384.9	94.3%	93.8%	91.3%	0.75	0.73	0.68	40	3100	1100
C4G 450 LA14	260	312	434	487.4	94.5%	94.0%	91.5%	0.77	0.75	0.7	58	3286	1100
C4G 450 LB14	300	360	434	555.1	94.7%	94.2%	91.7%	0.78	0.76	0.71	66	3540	1100
C4G 450 LC14	330	396	434	618.6	94.8%	94.3%	91.8%	0.77	0.75	0.7	75	3800	1100
C4G 500 LA14	380	456	433	731.3	94.5%	94.0%	91.5%	0.75	0.73	0.68	103	4870	1000
C4G 500 LB14	440	528	433	835.6	94.7%	94.2%	91.7%	0.76	0.74	0.69	120	5345	1000
C4G 500 LC14	500	600	432	962.3	94.7%	94.2%	91.7%	0.75	0.73	0.68	138	5860	1000
C4G 630 LA14	580	696	432	1073.3	95.2%	94.7%	92.2%	0.78	0.76	0.71	224	7170	900
C4G 630 LB14	680	816	432	1242.4	95.4%	94.9%	92.4%	0.79	0.77	0.72	259	7850	900
C4G 630 LC14	780	936	432	1501.1	95.6%	95.1%	92.6%	0.75	0.73	0.68	300	8650	900
C4G 710 LA14	900	1080	431	1623.8	96.3%	95.8%	93.3%	0.8	0.78	0.73	527	10680	on request
C4G 710 LB14	1050	1260	431	1894.4	96.4%	95.9%	93.4%	0.8	0.78	0.73	620	11920	on request
C4G 710 LC14	1200	1440	431	2138.3	96.6%	96.1%	93.6%	0.81	0.79	0.74	734	13300	on request
16 POLES	400 V 375 min^{-1}	480 V 450 min^{-1}	min^{-1}	A	4/4	3/4	2/4	4/4	3/4	2/4	Kgm^2	kg	min^{-1}
C4G 450 LA16	200	240	381	390.1	93.0%	92.5%	90.0%	0.74	0.72	0.67	69	3270	1100
C4G 450 LB16	225	270	381	438.9	93.3%	92.8%	90.3%	0.74	0.72	0.67	74	3540	1100
C4G 450 LC16	250	300	380	487.6	93.3%	92.8%	90.3%	0.74	0.72	0.67	90	3770	1100
C4G 500 LA16	300	360	380	577.4	93.4%	92.9%	90.4%	0.75	0.73	0.68	114	4800	1000
C4G 500 LB16	350	420	380	673.6	93.7%	93.2%	90.7%	0.75	0.73	0.68	133	4970	1000
C4G 500 LC16	400	480	380	769.8	94.0%	93.5%	91.0%	0.75	0.73	0.68	153	5800	1000
C4G 630 LA16	450	540	378	854.6	94.3%	93.8%	91.3%	0.76	0.74	0.69	247	7160	900
C4G 630 LB16	520	624	378	987.6	94.5%	94.0%	91.5%	0.76	0.74	0.69	286	7840	900
C4G 630 LC16	600	720	378	1154.7	94.6%	94.1%	91.6%	0.75	0.73	0.68	332	8640	900
C4G 710 LA16	700	840	377	1263.0	95.4%	94.9%	92.4%	0.8	0.78	0.73	527	10680	on request
C4G 710 LB16	810	972	377	1443.4	95.6%	95.1%	92.6%	0.81	0.79	0.74	620	11910	on request
C4G 710 LC16	950	1140	377	1714.0	95.7%	95.2%	92.7%	0.8	0.78	0.73	731	13270	on request

ODP Asynchronous generators - Overall dimensions

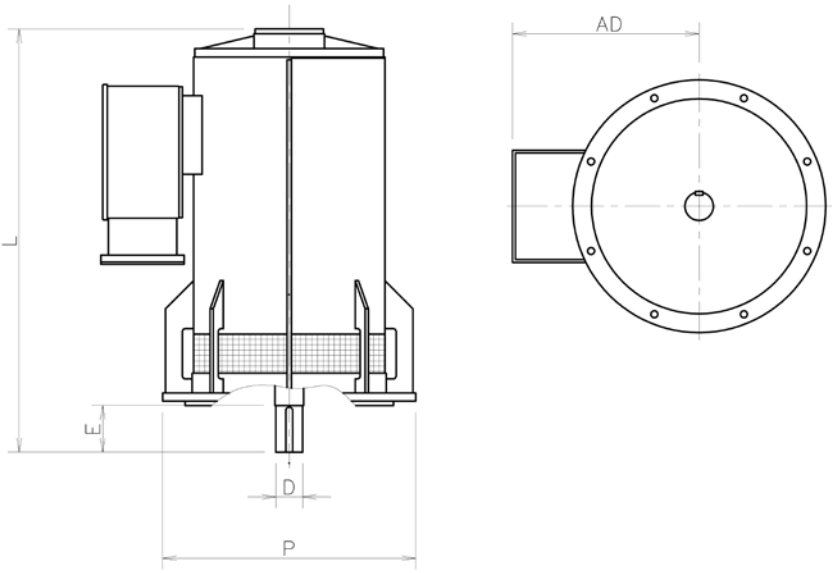
Air cooled (IC01) - Horizontal mounting

Dimension mm	250		280		315	355	400	450	500	630
	S	M	S	M						
H	250	250	280	280	315	355	400	450	500	630
HD	573	629	701	701	888	1000	1206	1320	1402	1656
AB	460	480	520	520	600	800	890	900	1040	1300
L	808	789	901	901	1125	1525	1790	2160	2145	2200
D	75	75	80	80	90	100	110	120	130	160
E	140	140	170	170	170	210	210	210	250	300



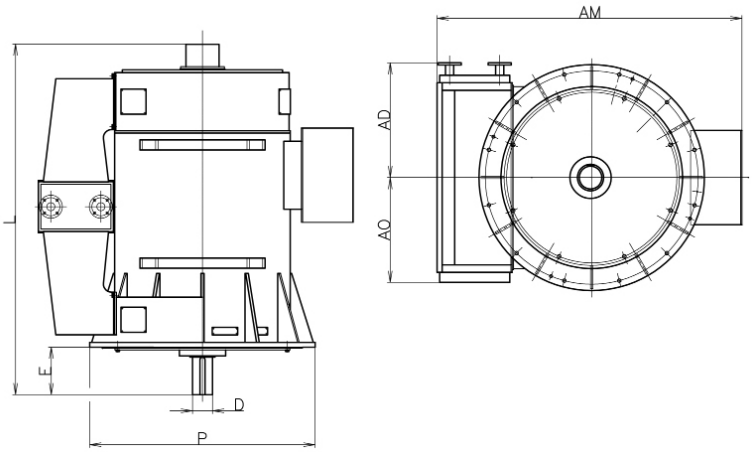
Air cooled (IC01) - Veritical mounting

Dimension mm	250		280		315	355	400	450	500	630
	S	M	S	M						
P	660	660	660	660	800	800	1000	1150	1150	1600
AD	858	858	969	969	550	685	750	835	830	1080
L	323	379	421	421	1115	1590	1840	2300	2095	2500
D	75	75	80	80	90	100	110	120	130	160
E	140	140	170	170	170	210	210	210	250	300



Air-to-water heat exchanger (IC81W) - Horizontalal mounting

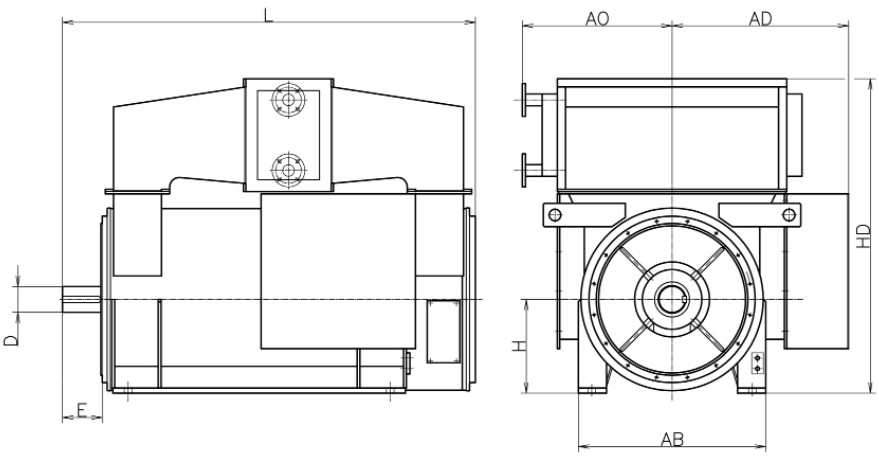
Dimension mm	400	450	500	630
H	400	450	500	630
HD	1430	1320	1630	2120
AB	890	900	1040	1300
L	1672	2160	2100	2220
AO	640	700	825	915
AD	860	835	1030	1300
D	110	120	130	160
E	210	210	250	300



Air-to-water heat exchanger (IC81W) - Vertical mounting

Dimension mm	355	400	450	500	630
P	800	1150	1150	1400	1600
L	1665	1900	2300	2150	2300
AO	460	640	700	825	915
AD	720	860	835	1030	1300
D	100	110	120	130	160
E	210	210	210	250	300

Dimensions for 450 frame size on demand



AVR - SELECTION TABLE

		ANALOGUE				DIGITAL	
AVR type		**MARK VX**	**MARK V**	**MGC I**	**MGC II**	**MEC 20**	**D-Vo**
Code		**11000013**	**10005388**	**10001467**	**10004378**	**11000317**	**10024470**
Generator frame size	**standard**	160 - 225	250	500 ÷ 560	630 ÷ 800	315 ÷ 450	≥ 800(1)
	on request	-	-	-	-	160 ÷ 250	160 ÷ 710(1)
AVR supply		Aux winding	Aux winding			Aux winding, mains	
Voltage sensing		Single phase				Three phase*	Single Phase std, Three phase on request
Voltage remote control		Arrangement					
Radio interference suppressor		Internal					Arrangement for external filters
Over-excitation device		-	-	Arrangement for VARICOMP			
Parallel operation with the mains		-	-	Arrangement for external A.P.F.R			Internal
Parallel operation with similar generators		-	-	Arrangement			
Standard protections		-	Over excitation	-	-	Over excitation	Field over-current, field over-voltage, generator over/under voltage, generator over-current, loss of sensing
Limiters		Under-frequency					Under-frequency, over/under-excitation
Functions		-	-	Auxiliary inputs			PC interface, Modbus TCP, FRT function, soft start, auxiliary inputs, contact inputs, DMS

(*) For MV, single phase is standard, three-phase sensing is optional.

(1): standard on all M.V. generators ≥ 400 frame with rated voltage >6900V

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