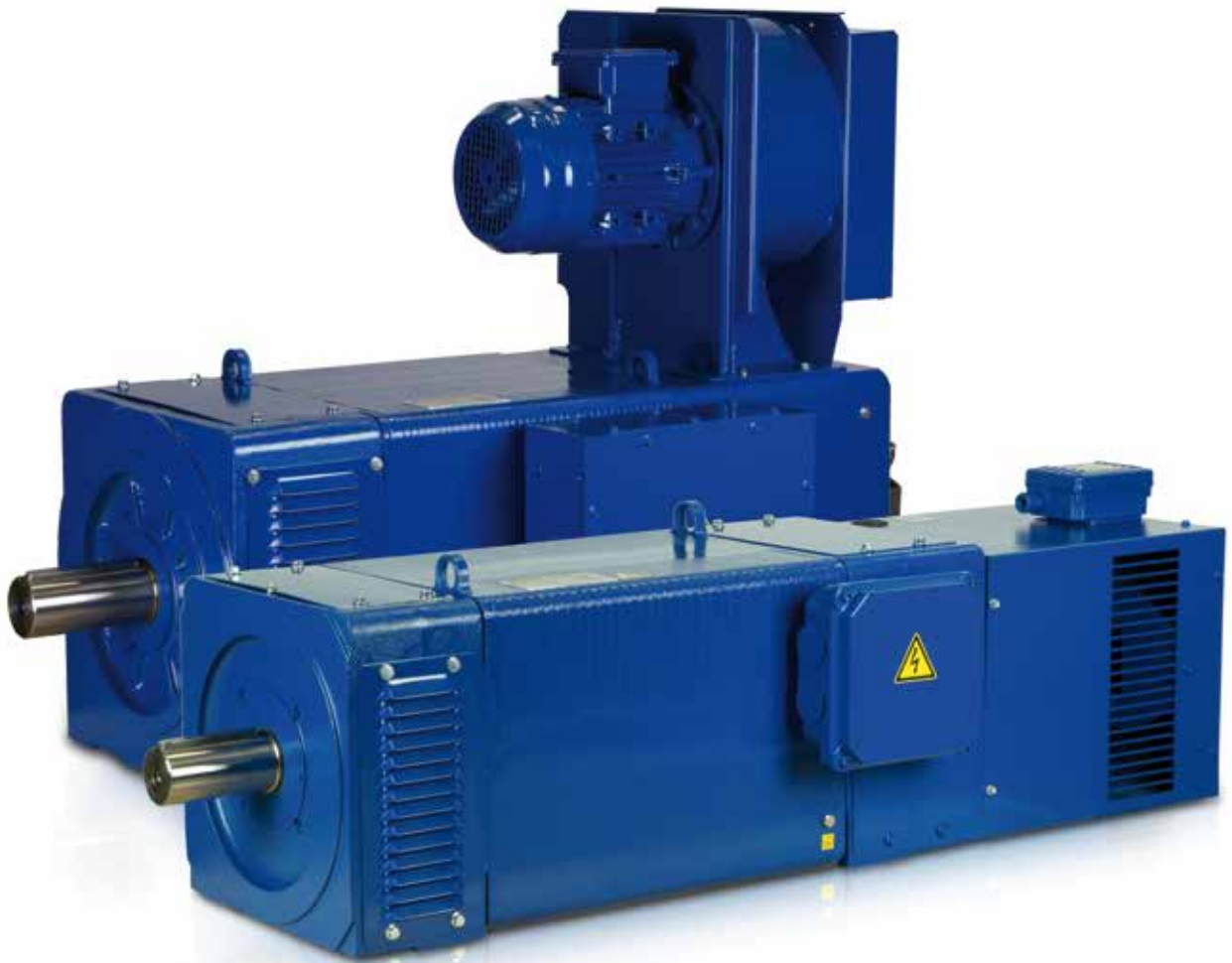


HIGH DYNAMIC ELECTRICAL MACHINES



ID Series
Direct current motors

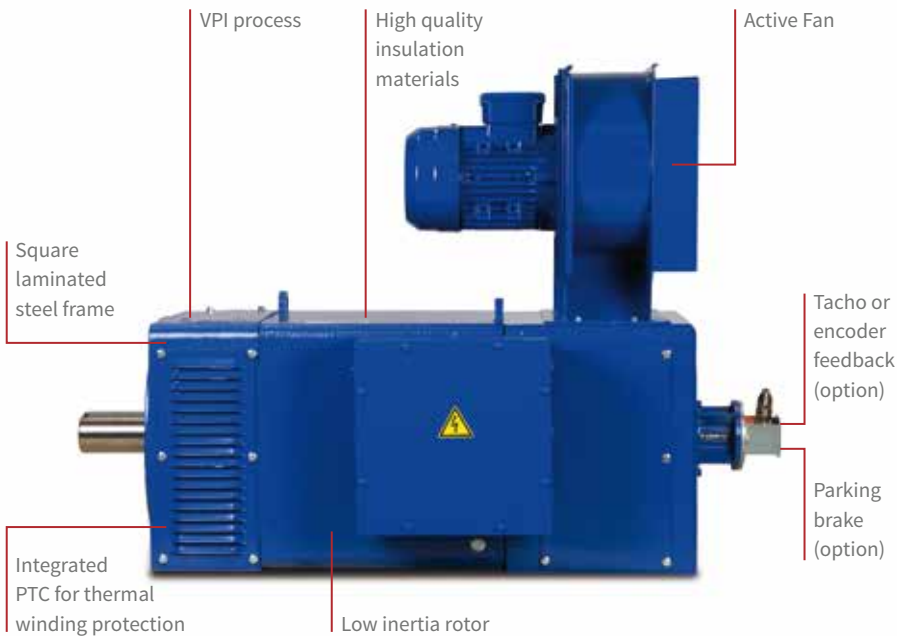
 **VASCAT**
High dynamic electrical machines

www.vascata.com

ID Series

Direct current motors

Constructive details



From 1 to 250 kW

Frame sizes 100-200 mm

- Excellent dynamics based on robust control
 - Simple regenerative braking
 - High efficiency
 - Low Electromagnetic interference (EMI)
 - Cost efficiency in high power applications
-

Spare parts and retrofits



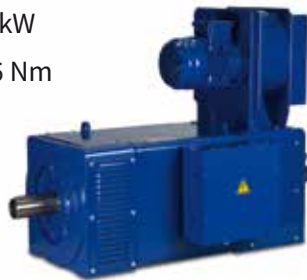
Contributed advantages

- Motor adaptation with No Minimum Order Quantity
 - Direct replacement of old / discontinued models
 - Full technical support
 - Competitive pricing
 - Very interesting delivery time
-

ID Series

- Cooling type: IC 06 (Radial fan)
- Protection degree: IP 23
- Nominal speed: 590 – 3790 rpm
- Maximum speed: up to 5000 rpm
- Nominal power: 2 – 215,1 kW
- Nominal torque: 31 – 1226 Nm

Customized Solutions



Larger motor frame sizes available upon request

MOTOR TYPE		Power (kW)	Nominal torque (Nm)	Nominal speed (rpm)	Maximum speed (rpm)	Nominal current (A)	Inertia (Kg/m ²)	Weight (Kg)
ID 100	S	2-10,7	31	600-2250	5000	7,5-30	0,025	58
	M	3-13,5	39	740-3790	5000	11,1-38	0,035	66
	L	3,3-16,2	46	720-3550	5000	12,5-46	0,045	78
ID 112	S	4,5-20,7	60	720-3540	5000	16-58	0,055	86
	M	6,6-21,2	72	880-3580	5000	22,5-70	0,067	94
	L	12,9-28,6	96	1290-3200	5000	39-80	0,095	113
ID 132	S	12,7-31,6	110	1110-2790	4500	38-86	0,091	130
	M	17,2-38,7	137	1200-2870	4500	50-107	0,102	165
	L	12,1-42,8	166	700-3100	4500	38-117	0,128	200
	P	18-42,9	200	860-2590	4500	55-119	0,152	235
ID 160	S	30,4-62,4	225	1300-2710	4200	86,1-171	0,22	205
	M	29,2-79	290	960-2800	4200	85,6-216	0,25	260
	L	28,1-80,2	358	750-2510	4200	84,5-220	0,29	330
	P	27,2-98,4	440	590-2720	4200	84,4-269	0,36	425
ID 180	S	36,8-94,2	424	1000-2680	3700	126-303	0,44	410
	M	43,9-124,7	531	790-2710	3700	128-337	0,52	470
	L	43,1-124,7	624	660-2540	3700	126-338	0,62	530
	P	46,3-123,9	726	620-2400	3700	137-335	0,73	602
ID 200	S	79,4-156,8	686	1140-2490	3200	219-423	0,8	570
	M	78,8-175,7	787	990-2400	3200	220-475	0,91	650
	L	76,9-204,1	918	830-2470	3200	218-551	1,05	710
	P	86-215,1	1226	670-2070	3200	250-583	1,39	910

IDX Series

- Cooling type: IC 06 (Axial fan)
- Protection degree: IP 23
- Nominal speed: 590 – 3100 rpm
- Maximum speed: Up to 4500 rpm
- Nominal power: 11 – 193,6 kW
- Nominal torque: 100 – 1104 Nm

Customized Solutions



MOTOR TYPE		Power (kW)	Nominal torque (Nm)	Nominal speed (rpm)	Maximum speed (rpm)	Nominal current (A)	Inertia (Kg/m ²)	Weight (Kg)
IDX 132	S	11,5-28,5	100	1110-2800	4500	34,2-77,4	0,091	130
	M	15,5-34,8	123	1200-2870	4500	45-96,3	0,102	165
	L	11-38,6	150	710-3100	4500	34,2-105,3	0,128	200
	P	16,2-38,6	180	860-2590	4500	49,5-107,1	0,152	235
IDX 160	S	27,3-47,3	202	1300-2710	4200	77,5-153,9	0,22	205
	M	26,5-71,2	261	970-2800	4200	77-194,4	0,25	260
	L	25,4-72,1	323	750-2510	4200	76,1-198	0,29	330
	P	24,5-88,6	397	590-2720	4200	76-242,1	0,36	425
IDX 180	S	39,9-100,9	382	1000-2690	3700	114,3-272,7	0,44	410
	M	40,1-112,2	479	800-2710	3700	116,1-303,3	0,52	470
	L	38,8-112,3	562	660-2540	3700	114,3-304	0,62	530
	P	41,7-111,5	653	620-2400	3700	124,2-301,5	0,73	602
IDX 200	S	71,5-141,2	618	1140-2490	3200	198-380,7	0,8	570
	M	70,9-158,1	708	990-2400	3200	198,9-427,5	0,91	650
	L	69,3-183,7	827	830-2470	3200	197,1-495,9	1,05	710
	P	77,5-193,6	1104	670-2070	3200	225-524,7	1,39	910



High dynamic electrical machines

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Main industry sectors for ID motors



Converting and printing machines



Cranes and hoists



Wire manufacturing machines



Metal processing lines

Innovative software tools

- Application calculation spreadsheets
- Motor sizing program
- Interactive motor datasheets
- 2D drawings and 3D models for all motors

Available at www.vascats.com



High dynamic electrical machines

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