HEINZMANN®
thinking in drive and control

PRI 70/90/110/130

Radial flux motor series for a wide range of applications

HEINZMANN's new PRI motor series features compact, reliable, and highly efficient synchronous motors with IPM (Interior Permanent Magnet) rotor technology. It was developed to meet the demanding requirements of mobile drive technology as well as stationary applications and can be individually adapted to the specific customer application, both regards interfaces and electric characteristics. It offers excellent mechanical robustness in addition to a high ingress protection rating.

Due to high-quality materials, such as corrosion-resistant aluminum alloy, the motor is well protected against environmental influences. A significant reduction of magnetic materials as well as the modular architecture guarantees value for money. All PRI machines can be used equally as a motor or a generator, options for braking mode operation and for recuperation are included.

PRI 110-50

FEATURES

- **High efficiency and reliability**
- **Robust and enduring construction**
- **Maintenance-free**
- **Air-cooled**
- **Customized shaft possible**
- **Electromechanical brake applicable**
- **Field weakening possible**

RANGE OF APPLICATIONS

- E-Mobility
- Agricultural sector
- Construction machinery
- Municipal machinery
- Industrial applications
- Hydraulic systems
- Fans
- Pumps

PRI 70-XX

TECHNICAL DATA*

	Power (rated)	Power (peak)	RPM (rated)	Poles	Torque (rated)	Torque (peak)	Voltage (rated)	Eta (max)	Mass
	kW	kW			Nm	Nm	V	%	kg
PRI 70-25 /04835	0.8	1.2	3500	10	2.4	6.2	48	89	3
PRI 70-25 /04870	(0.5) 1	(0.75) 1.5	(3500) 7000	10	2.4	6.2	(24) 48	89	3
PRI 70-50 /04835	1.6	2.4	3500	10	4.7	12.3	48	90	4.7
PRI 70-50 /04870	2	3	7000	10	4.7	12.3	48	90	4.7
PRI 70-75 /04870	3	4.5	7000	10	7.1	18.5	48	91	6.4
PRI 70-75 /09670	(1.5) 3	(2.3) 4.5	(3500) 7000	10	7.1	18.5	(48) 96	91	6.4

▸ Preliminary data based on calculations with air cooling and min. 5 m/s air flow

PRI 90-XX

TECHNICAL DATA*

	Power (rated)	Power (peak)	RPM (rated)	Poles	Torque (rated)	Torque (peak)	Voltage (rated)	Eta (max)	Mass
	kW	kW			Nm	Nm	V	%	kg
PRI 90-25 /04835	1.2	2.4	3500	10	3.5	9.2	48	90	4.6
PRI 90-25 /04870	(0.75) 1.5	(2.3) 4.5	(3500) 7000	10	3.5	9.2	(24) 48	90	4.6
PRI 90-50 /04835	2.5	4.5	3500	10	7	18.4	48	91	7.1
PRI 90-50 /04870	3	4.5	7000	10	7	18.4	48	91	7.1
PRI 90-75 /04870	4.4	6.6	7000	10	10.5	27.6	48	92	9.6
PRI 90-75 /09670	(2.2) 4.4	(3.3) 6.6	(3500) 7000	10	10.5	27.6	(48) 96	92	9.6

▸ Preliminary data based on calculations with air cooling and min. 5 m/s air flow

*All data preliminary and subject to changes.

PRI 110-XX

TECHNICAL DATA*

	Power (rated)	Power (peak)	RPM (rated)	Poles	Torque (rated)	Torque (peak)	Voltage (rated)	Eta (max)	Mass
	kW	kW			Nm	Nm	V	%	kg
PRI 110-50 /04860	(2.2) 4.4	(3.3) 6.6	(3000) 6000	12	10.5	27.5	(24) 48	92	8.5
PRI 110-50 /09660	(2.2) 4.4	(3.3) 6.6	(3000) 6000	12	10.5	27.5	(48) 96	92	8.5
PRI 110-75 /09660	(3.3) 6.6	(5) 10	(3000) 6000	12	15.8	41.3	(48) 96	93	11
PRI 110-75 /33060	6.6	10	6000	12	15.8	41.3	330	93	11
PRI 110-100 /33030	6.6	10	3000	12	21	55	330	94	13.5
PRI 110-100 /33060	9	13.5	6000	12	21	55	330	94	13.5

▸ Preliminary data based on calculations with air cooling and min. 5 m/s air flow

PRI 130-XX

TECHNICAL DATA*

	Power (rated)	Power (peak)	RPM (rated)	Poles	Torque (rated)	Torque (peak)	Voltage (rated)	Eta (max)
	kW	kW			Nm	Nm	V	%
PRI 130-50 /33030	7.5	14	3000	24	32	73	330	92
PRI 130-50 /56030	7.5	14	3000	24	32	73	560	92
PRI 130-50 /80030	7.5	14	3000	24	32	73	800	92
PRI 130-100 /33030	15	27	3000	24	64	145	330	93
PRI 130-100 /56030	15	27	3000	24	64	145	560	93
PRI 130-100 /80030	15	27	3000	24	64	145	800	93
PRI 130-150 /33030	22.5	41	3000	24	96	218	330	94
PRI 130-150 /56030	22.5	41	3000	24	96	218	560	94
PRI 130-150 /80030	22.5	41	3000	24	96	218	800	94

▸ Preliminary data based on calculations with air cooling and min. 5 m/s air flow

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