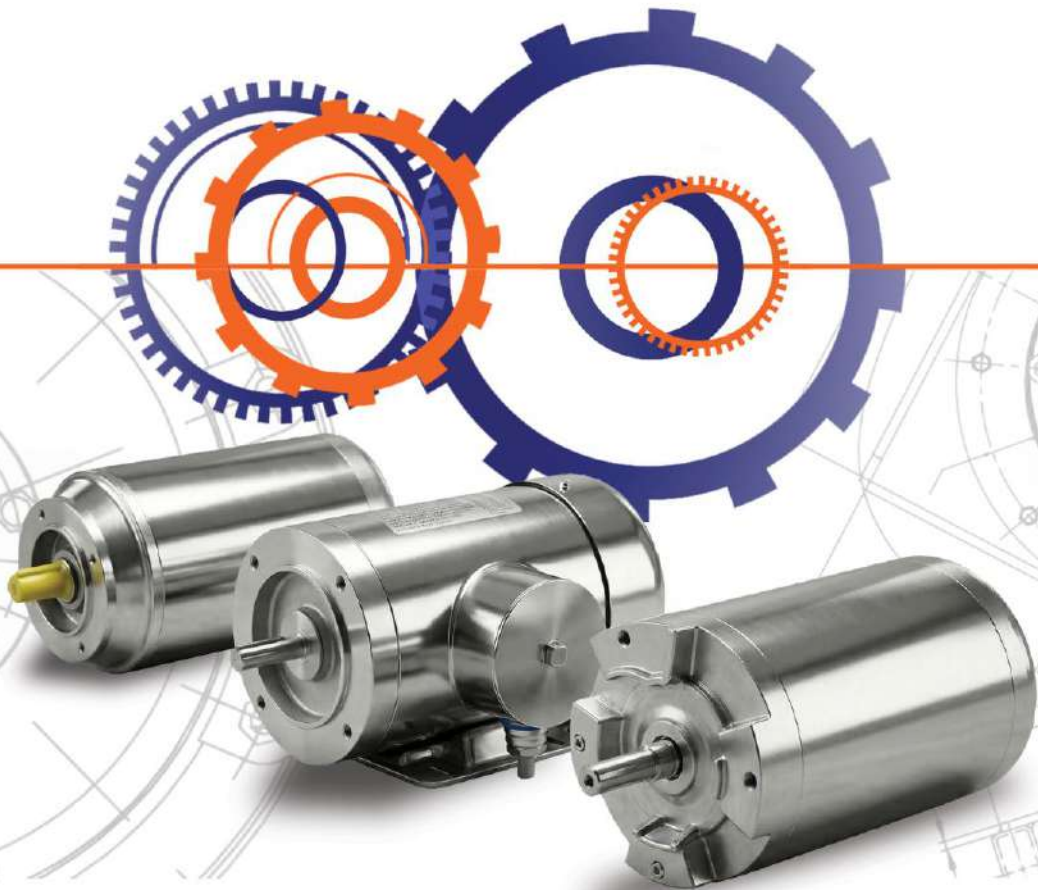




PERDURUS STAINLESS STEEL MOTORS





PERDURUS is the Australian subsidiary of Huifeng Motors, leveraging more than 30 years of proven global manufacturing expertise across Europe, the United States and Australia. We supply IEC, NEMA, and fully customised electric motors designed to meet international standards, including IEC, CE, UL, SA, and MEPS and engineered specifically for Australian operating conditions.

PERDURUS portfolio spans a complete range of high-demand motor constructions and technologies engineered for industrial durability, energy efficiency, and long service life. Each PERDURUS motor is designed to operate reliably across diverse applications and environments. With robust ingress protection as standard, our motors deliver dependable performance in challenging and harsh operating conditions.

With a combination of global capability, local stock, and genuine application engineering expertise, PERDURUS provides fast and tailored solutions for Australian industry. Our team brings over two decades of technical and manufacturing experience, enabling us to understand real-world challenges and deliver motors that meet stringent performance, reliability, and compliance requirements.

PERDURUS is committed to powering Australia's industries with reliable, efficient, and future-ready electric motor solutions.



Hygienic Washdown Stainless Steel Premium Three Phase Induction Motors

- Hygienic stainless steel motor (304 / 316L) with smooth, fin-less design for washdown applications.
- Inverter-duty motor suitable for VSD operation with constant torque capability.
- IE4/IE5 high-efficiency design up to 5 HP, compliant with IEC/EN 60034-30.

- TENV (IC410) fan-less, totally enclosed design enabling clean-in-place operation.
- IP69K washdown rated with Viton O-rings and hygienic cable gland for high-pressure cleaning.



Product Description

Stainless steel motors suitable for food processing, pharmaceutical abattoir and other applications requiring extreme cleanliness and frequent washdowns.

Motor Features

- S1 Duty
- IP rating: IP69K
- Frame: IEC 56 – 112
- Low surface temperature
- Stainless steel: 304 or 316L
- Mounting: IM B3 B5 B14 B35 B34
- Insulation rating: F / H (on Request)
- Voltage: 230-415V 50Hz / 208-460V 60Hz
- Stator and rotor coated with anti-oxidant paint
- Completely smooth surface
- Excellent hygienic properties
- Excellent anti-corrosion properties
- IE3/IE4/IE5 efficiency ($P_n \geq 0.75kW$)
- TENV (Totally Enclosed Non Ventilated (IC410))
- Motors are suitable for “Inverter Duty Operation” with large range at constant torque
- Pipe housing without welding, terminal box on the NDE, easy to wash



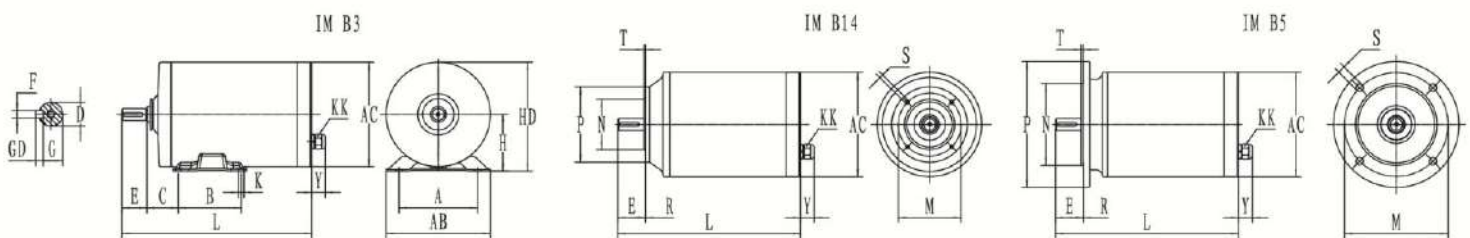
Technical Data(50Hz)

Model	Rated Output	Rated Speed	Voltage	Rated Current	TN	Efficiency (%)			Full Load Power Factor	Ist/IN	Tst/TN	Tmax/TN	Net Weight (kg)	
	(kW)	(r/min)	(V)	In(A)	(N·m)	100%	75%	50%	cosφ				IM B14	IM B5
PHYW 56B4	0.09	1420	230 / 400	0.57 / 0.33	0.6	64.5	61	52.8	0.61	5	2.7	3.4	6.7	—
PHYW 63A4-S	0.12	1420	230 / 400	0.71 / 0.41	0.8	67	63.1	56.2	0.62	6	2.7	3.4	8.3	—
PHYW 63B4-S	0.18	1420	230 / 400	0.99 / 0.57	1.2	69.9	66.5	60.1	0.67	6	2.7	3.4	9.6	—
PHYW 63A4	0.12	1440	230 / 400	0.59 / 0.34	0.8	74	72.6	67.3	0.69	6	2.7	3.4	8.8	9.5
PHYW 63B4	0.18	1440	230 / 400	0.83 / 0.48	1.2	77	76.4	72.3	0.7	6	2.7	3.4	10.2	10.9
PHYW 71A4	0.25	1440	230 / 400	1.11 / 0.64	1.7	77.9	78.6	75.5	0.73	6	2.7	3.4	11.7	12.6
PHYW 71B4	0.37	1440	230 / 400	1.56 / 0.90	2.5	81.1	80.4	77.6	0.73	6	2.7	3.4	13.6	14.5
PHYW 80A4	0.55	1460	230 / 400	2.25 / 1.30	3.6	83.9	83.2	79.6	0.73	10	4	4.8	19.1	21
PHYW 80B4	0.75	1460	230 / 400	2.96 / 1.71	4.9	85.7	85.8	82.8	0.74	10	4	4.8	22.8	24.7
PHYW 90S4	1.1	1460	230 / 400	4.10 / 2.35	7.2	87.2	87.4	85.2	0.78	10	4	4.8	27.7	29.3
PHYW 90L4	1.5	1460	230 / 400	5.50 / 3.15	9.8	88.2	87.7	85.7	0.78	10	4	4.8	34.3	36

Note

- Efficiency Standards Conform to IEC/EN60034-30 IE4
- Test Standards Conform to IEC/EN60034-2-1
- Tolerance Standards Conform to IEC/EN60034-1

Installation Dimensions(mm)



IEC Frame	Installation Dimensions (mm)																					Overall Dimension					Cable Gland	
	IM B3										IM B14						IM B5						(mm)					
	A	B	C	D	E	F	G	GD	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	HD	AC	Y	L	KK
56B	90	71	36	9	20	3	7.2	3	63	5.8	75	60	90	0	M5	2.5	—	—	—	—	—	—	120	121	116	22	212	M16*1.5
v	100	80	40	11	23	4	8.5	4	63	7	75	60	90	0	M5	2.5	—	—	—	—	—	—	120	121	116	22	240	M16*1.5
63B-S	100	80	40	11	23	4	8.5	4	63	7	75	60	90	0	M5	2.5	—	—	—	—	—	—	120	121	116	22	265	M16*1.5
63A	100	80	40	11	23	4	8.5	4	71	7	75	60	90	0	M5	2.5	115	95	140	0	10	3	132	137	131	22	228	M16*1.5
63B	100	80	40	11	23	4	8.5	4	71	7	75	60	90	0	M5	2.5	115	95	140	0	10	3	132	137	131	22	243	M16*1.5
71A	112	90	45	14	30	5	11	5	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	132	137	131	25	265	M20*1.5
71B	112	90	45	14	30	5	11	5	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	132	137	131	25	285	M20*1.5
80A	125	100	50	19	40	6	16	6	90	10	100	80	120	0	M6	3	165	130	200	0	12	3.5	166	173	166	25	279	M20*1.5
80B	125	100	50	19	40	6	16	6	90	10	100	80	120	0	M6	3	165	130	200	0	12	3.5	166	173	166	25	304	M20*1.5
90S	140	100	56	24	50	8	20	7	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	166	173	166	30	344	M25*1.5
90L	140	125	56	24	50	8	20	7	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	166	173	166	30	389	M25*1.5

Note

- Tolerance on dimensions H: 0, -0.5
- Tolerance on dimensions N: $\leq \Phi 250$: j6 ; $\geq \Phi 300$: js6
- Tolerance on dimensions D: $\leq \Phi 28$: j6 ; $\Phi 32 - \Phi 48$: k6 ; $\geq \Phi 55$: m6
- IMB35 refer to the dimensions of IMB3 and IMB5
- IMB34 refer to the dimensions of IMB3 and IMB14
- Installation dimensions comply with IEC60072-1, EN50347



Persistence in Engineering, **D**urability in Performance



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