V.I.M.E.C. S.R.L.

Motori elettrici

Bassa tensione IEC – IE2, IE3, IE4

SERIE in Alluminio MSE2, MSE3, MSE4

SERIE in Ghisa YE3, YE4

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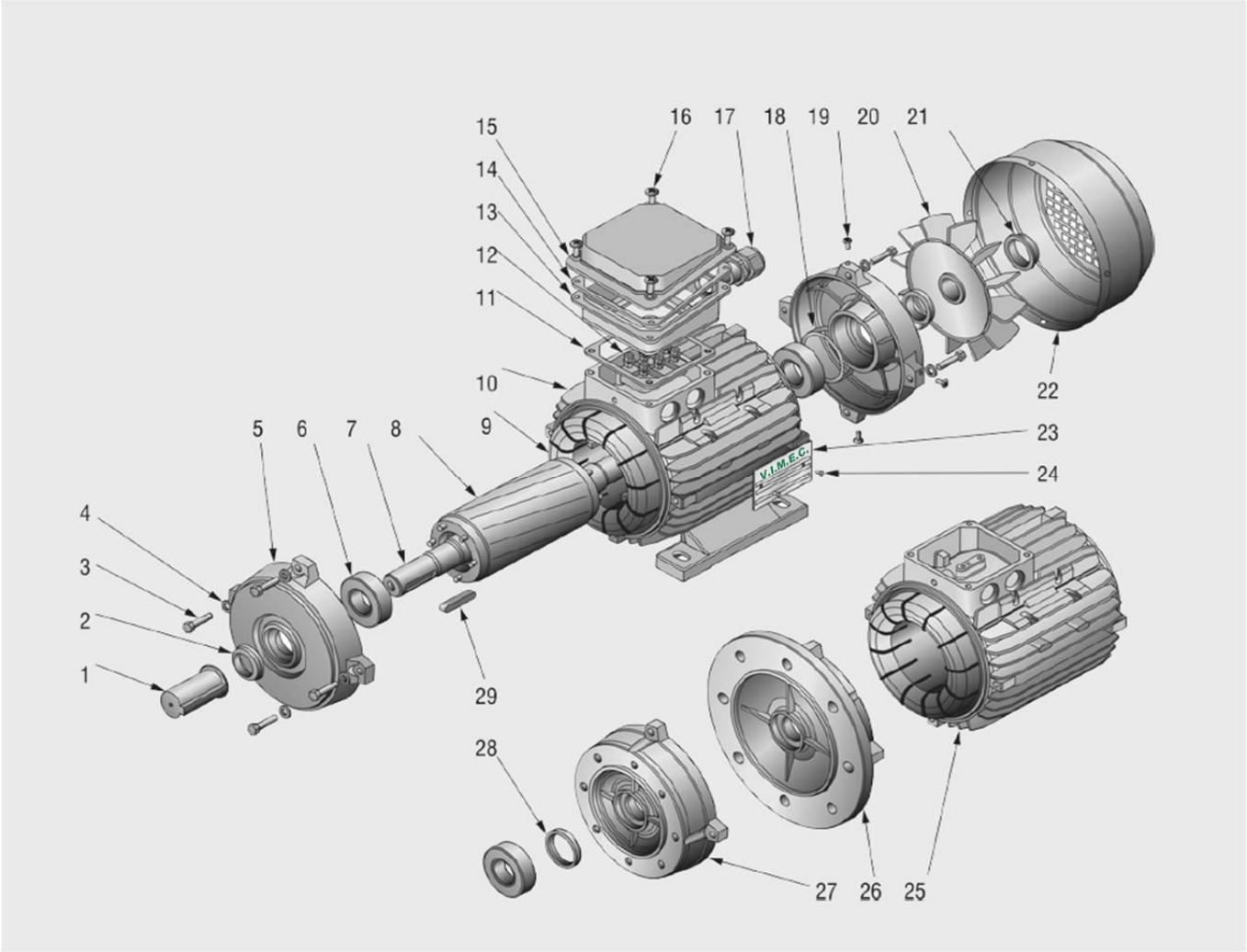
Componenti – *Components*



N.	Descrizione *(Description)*	N.	Descrizione *(Description)*
1	Copertura dell'albero *(Shaft cover)*	**16**	Viti di serraggio della scatola morsettiera *(Terminal block box tightening screws)*
2	Anello-V (V-ring)	**17**	Boccola di ingresso cavo *(Cable inlet bush)*
3	Viti di fissaggio motore *(Motor clamping screws)*	**18**	Anello di compensazione *(Compensation ring)*
4	Anello a molla *(Spring ring)*	**19**	Viti di serraggio copriventola *(Fan cover tightening screws)*
5	Scudo *(Shield)*	**20**	Ventolina in PVC *(PVC fan)*
6	Cuscinetto *(Bearing)*	**21**	Anello per serraggio ventolina *(Ring for fan tightening)*
7	Albero motore *(Motor shaft)*	**22**	Coperchio ventolina *(Fan cover)*
8	Rotore *(Rotor)*	**23**	Targhetta di identificazione del motore *(Motor identification plate)*
9	Statore avvolgimenti *(Wound stator)*	**24**	Viti di serraggio targhetta motore *(Motor identification plate tightening screws)*
10	Carcassa motore B3-BS *(Motor casing B3-BS)*	**25**	Carcassa motore B5 *(B5 motor casing)*
11	Guarnizione IP55 (IP55 Gasket)	**26**	Flangia B5 *(B5 flange)*
12	Morsettiera di collegamento alla rete *(Mains power connection terminal block)*	**27**	Flangia B14 *(B14 flange)*
13	Base scatola morsettiera (Terminal block box- base)	**28**	Anello di tenuta *(Sealing ring)*
14	Guarnizione IP65 *(IP65 Gasket)*	**29**	Chiave dell'albero *(Shaft key)*
15	Coperchio scatola morsettiera *(Terminal block box- cover)*		

Caratteristiche generali – *General Characteristics*

Caratteristiche ***Characteristics***	Motori trifase a bassa tensione, per area sicura (non Atex), a singola velocità, TEFC *Three phase low voltage motors, for standard Safe Area, single speed, totally enclosed*
Potenze - *Power rating*	0,18Kw - 315Kw
Grandezze - *Frame size*	63- 355
Poli - *Poles*	2-4-6-8 pole
Tensione/Frequenza - Voltage/*Frequency*	Volt 400 / Hz 50 - Volt 460 / Hz 60
Montaggio - *Mounting*	B3 (piedi/feet), B5 (flangia/flange) and B3/B5 (piedi+flangia / feet+flange)
Costruzione - *Construction material*	Alluminio/Aluminium (serie MSE2 - MSE3 - MSE4) - Ghisa/Cast iron (serie YE3 - YE4)
Efficienza energetica - *Efficiency*	IE2, IE3, IE4
Accessori ***Accessories***	PTC di serie su tutte le taglie (motori in ghisa) e da F132 (motori in alluminio) *PTC included on all frames (Cast iron motors) and from F132 (Aluminium motors)*
Standard	IEC standards, CE marking

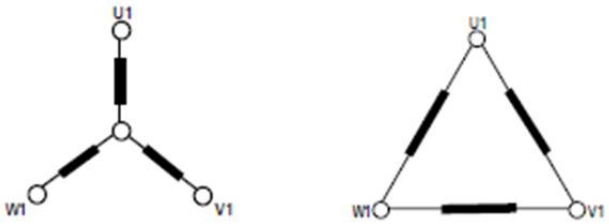
Grandezza - Frames	**56**	**63**	**71**	**80**	**90**	**100**	**112**	**132**	**160**	**180**	**200**	**225**	**280**	**315**	**355**
Alluminio - Aluminium	X	X	X	X	X	X	X	X	X						
Ghisa - Cast iron				X	X	X	X	X	X	X	X	X	X	X	X

Schemi di collegamento - *Connection Diagrams*

Motore grand. *Frame*	**56**	**63-71**	**80-90-100**	**112**	**132**	**160-180**	**200-225**	**250-280-355**
Pressacavo *Cable gland*	M16	M18	M20	M25	M25	M32	M40	M63
Pressacavo PTC *Cable gland PTC*	/	/	/	/	M16	M16	M16	M16

Gli avvolgimenti dei motori trifase V.I.M.E.C. possono essere collegati a stella o a triangolo.

The windings of V.I.M.E.C. series three phase motors can be connected "Star" or "Delta".



Collegamento a stella – *Star*

Il collegamento a stella si ottiene collegando insieme i terminali W2, U2, V2 e alimentando i terminali U1, V1, W1.

Star connection is obtained by connecting together the terminals W2, U2, V2 and supplying the terminals U1, V1, W1.

Collegamento a triangolo - *Delta*

Il collegamento a triangolo si ottiene collegando la fine di una fase all'inizio della fase successiva.

Delta connection is obtained by connecting the end of a phase with the beginning of the following one.

Cuscinetti *(Bearings)*

Cuscinetti di marca primaria SKF-NSK presenti di serie su tutte le taglie dei motori VIMEC, sia serie in ghisa, sia in alluminio.

Bearings SKF-NSK primary brand Mounted as standard on all sizes of V.I.M.E.C. motors, both in cast iron and in aluminium.

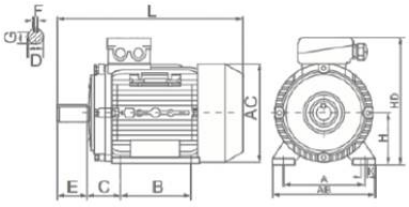
Frame	Cuscinetti / Bearings	
ALLUM.	DE (ant.)	NDE (post.)
56	6201	6201
63	6201	6201
71	6202	6202
80	6204	6204
90	6205	6205
100	6206	6206
112	6306	6306
132	6308	6308
160-2p	6209	6209
160-4/6p	6309	6209
GHISA		
80	6204	6204
90	6205	6205
100	6206	6206
112	6206	6206
132	6208	6208
160-2p	6209	6209
160-4/6p	6309	6209
180	6311	6211
200-2p	6212	6212
200-4/6p	6312	6212
225-2p	6312	6312
225- 4/6p	6313	6312
250-2p	6313	6313
250- 4/6p	6314	6313
280-2p	6314	6314
280- 4/6p	6317	6314
315-2p	6317	6317
315- 4/6p	NU319	6319
355-2p	6319	6319
355- 4/6p	NU322	6322

MOTORI V.I.M.E.C. Alluminio *(Aluminium)* **IE2** (MSE2), **IE3** (MSE3), **IE4** (MSE4)

- Motori asincroni trifase, standard IEC
- Scatola morsettiera superiore
- Scudo anteriore e posteriore in ghisa da taglia 100 a 160 comprese
- Posizioni multiple dei piedi
- Isolamento di grado F
- Sovratemperatura di grado B
- Grado di protezione IP55
- Frequenza nominale 50Hz/ 60Hz
- Raffreddamento IC411
- Motori per servizio continuo S1
- Alta efficienza, risparmio energetico
- Motori per fattori di servizio pesanti
- PTC di serie dalla grandezza 132
- Finitura di verniciatura RAL7031
- Cuscinetti SKF-NSK su tutte le taglie
- Separatori di fase per comando inverter

IE2, IE3, IE4 – Dimensioni /Dimensions

IMB3



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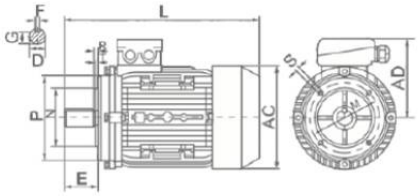
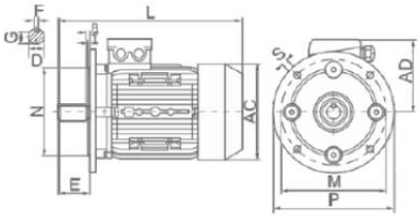
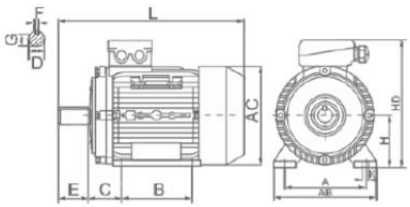


IMB5



Frame Size	Mounting Dimensions (mm)																					
	IMB3									IMB14						IMB5						
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T
56	90	71	36	9	20	3	7.2	56	5.8	65	50	80	0	M5	2.5	100	80	120	0	7	3
63	100	80	40	11	23	4	8.5	63	7	75	60	90	0	M5	2.5	115	95	140	0	10	3
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3	165	130	200	0	12	3.5
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	14.5	4
112M	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	14.5	4
112M-4	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	14.5	4
132S	216	140	89	38	80	10	33	132	12	165	130	200	0	M10	3.5	265	230	300	0	14.5	4
132M	216	178	89	38	80	10	33	132	12	165	130	200	0	M10	3.5	265	230	300	0	14.5	4
160M	254	210	108	42	110	12	37	160	15	215	180	250	0	M12	4	300	250	350	0	18.5	5
160L	254	254	108	42	110	12	37	160	15	215	180	250	0	M12	4	300	250	350	0	18.5	5

IMB3



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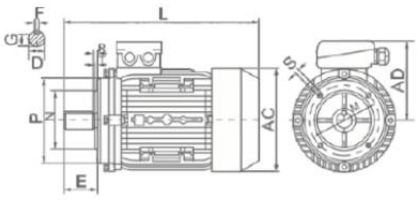

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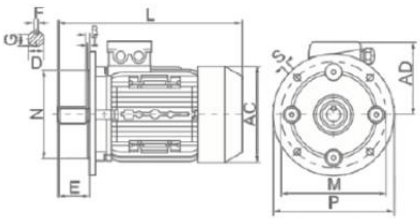


Frame size	Frame Dimensions (mm) / IE2-IE3				
	AB	AC	AD	HD	L- IE3
56	110	110	100	156	195
63	122	120	103	166	218
71	138	139	115	186	250
80	159	158	126	206	295
90S	177	175	132	222	337
90L	177	175	132	222	363
100L	206	198	147	247	401
112M	222	228	169	281	405
112M-4	222	228	169	281	430
132S	257	268	188	320	467
132M	257	268	188	320	505
160M	302	314	246	406	617
160L	302	314	246	406	661

Frame size	Frame Dimensions (mm) / IE4				
	AB	AC	AD	HD	L- IE4
80M	159	158	126	206	295
80M2-4	159	158	126	206	307
90S	177	175	132	222	337
90L-2	177	175	132	222	363
90L-4/6	177	175	132	222	373
100L	205	198	147	247	401
100L2-4	205	198	147	247	427
112M-2	222	228	169	281	430
112M-4/6/8	222	235	177	289	456
132S-2	257	268	188	320	467
132S-4/6/8	270	293	207	339	495
132M-2	257	268	188	320	505
132M-4/6/8	270	293	207	339	533
160M	302	314	246	406	617
160L	302	314	246	406	661

TECHNICAL DATA MSE2 (IE2)

Frame Size	Rated Power		Rated Current (A)			Rated Speed	Efficiency η (%)			Power Factor	Rated Torque	Ts/Tn	Tmax /Tn	Ist/In	Weight
	KW	HP	V.230	V.400	V.690	(rpm)	100%	75%	50%	cosφ	(N.m)				(kg)
MSE2-56A2	0.09	0.12	0.69	0.40	/	2700	47.6	48.3	48.1	0.69	0.32	2.4	2.7	6.0	3.5
MSE2-56B2	0.12	0.16	0.79	0.46	/	2720	53.6	54.3	54.1	0.71	0.42	2.5	2.8	6.0	3.9
MSE2-63A2	0.18	0.25	0.96	0.55	/	2750	60.4	60.9	60.5	0.78	0.63	2.5	2.8	7.0	4.5
MSE2-63B2	0.25	0.35	1.24	0.71	/	2750	64.8	65.3	65.1	0.78	0.87	2.5	2.8	7.0	5.0
MSE2-63C2	0.37	0.5	1.65	0.95	/	2800	69.5	69.9	69.4	0.81	1.25	3.0	3.0	7.0	5.8
MSE2-71A2	0.37	0.5	1.65	0.95	/	2760	69.5	69.9	69.4	0.81	1.25	3.0	3.0	7.0	6.5
MSE2-71B2	0.55	0.75	2.27	1.31	/	2810	74.1	74.5	73.9	0.82	1.86	3.0	3.0	7.0	7.0
MSE2-71C2	0.75	1	2.93	1.69	/	2820	77.4	77.2	74.7	0.83	2.54	2.5	3.0	7.5	7.5
MSE2-80C2	1.5	2	5.51	3.17	/	2860	81.3	80.5	80.0	0.84	5.01	2.8	3.1	8.4	10.5
MSE2-100LB2	4	5.5	13.3	7.65	4.43	2914	85.8	86.1	85.4	0.88	13.1	3.0	3.4	8.4	27.3
MSE2-112MB2	5.5	7.5	18.0	10.4	6.01	2937	87.0	86.7	84.8	0.88	17.9	2.5	3.0	8.4	35.0
MSE2-63A4	0.12	0.16	0.73	0.42	/	1350	59.1	60.2	58.9	0.70	0.84	2.2	2.4	5.2	4.0
MSE2-63B4	0.18	0.25	1.0	0.57	/	1350	64.7	65.1	64.9	0.70	1.26	2.2	2.4	5.2	6.0
MSE2-63C4	0.25	0.35	1.31	0.75	/	1380	68.5	68.9	68.6	0.70	1.73	2.5	2.5	5.2	7.0
MSE2-71A4	0.25	0.35	1.31	0.75	/	1380	68.5	68.9	68.6	0.70	1.73	2.5	2.5	5.2	6.5
MSE2-71B4	0.37	0.5	1.8	1.03	/	1380	72.7	73.1	72.6	0.71	2.56	2.5	2.5	5.2	7.0
MSE2-71C4	0.55	0.75	2.49	1.43	/	1400	77.1	77.9	77.3	0.72	3.75	2.3	2.4	6.0	10.0
MSE2-80A4	0.55	0.75	2.49	1.43	/	1400	77.1	77.9	77.3	0.72	3.75	2.3	2.4	6.0	10.0
MSE2-80C4	1.1	1.5	4.52	2.60	/	1400	81.4	81.0	78.5	0.75	7.5	2.5	3.0	5.5	12.0
MSE2-90LB4	2.2	3	8.09	4.65	/	1440	84.3	84.4	83.7	0.81	14.6	3.0	3.5	7.0	22.0
MSE2-112MB4	5.5	7.5	19.2	11.0	6.40	1455	87.7	87.4	86.9	0.82	36.1	2.2	2.8	6.4	40.0
MSE2-63B6	0.12	0.16	0.99	0.57	/	860	50.6	50.1	44.3	0.60	1.33	1.9	2.0	4.0	6.0
MSE2-71A6	0.18	0.25	1.27	0.73	/	920	56.6	56.3	50.6	0.63	1.87	1.9	2.0	4.0	6.5
MSE2-71B6	0.25	0.35	1.59	0.92	/	920	61.6	61.8	56.7	0.64	2.60	1.9	2.1	4.3	7.0
MSE2-80A6	0.37	0.5	2.22	1.27	/	950	67.6	67.7	65.5	0.62	3.70	1.9	2.0	5.0	10.5
MSE2-80B6	0.55	0.75	2.95	1.70	/	950	73.1	73.2	71.2	0.64	5.55	1.9	2.0	5.0	12.0
MSE2-71B8	0.12	0.16	1.16	0.67	/	690	48.0	46.0	42.0	0.54	1.66	1.9	2.1	4.3	7.0
MSE2-80A8	0.18	0.25	1.69	0.97	/	710	48.5	46.0	40.0	0.55	2.41	1.8	2.0	4.5	10.5
MSE2-80B8	0.25	0.35	2.11	1.21	/	710	54.0	52.0	46.0	0.55	3.36	1.8	2.0	4.5	12.0
MSE2-90S8	0.37	0.5	2.76	1.59	/	710	56.1	54.0	50.0	0.60	4.95	1.8	2.0	4.5	13.0
MSE2-90L8	0.55	0.75	3.67	2.11	/	710	61.7	59.0	56.0	0.61	7.38	1.8	2.0	4.5	16.5

TECHNICAL DATA MSE3 (IE3)

Frame Size	Rated Power		Rated Current (A)			Rated Speed	Efficiency η (%)			Power Factor	Rated Torque	Ts/Tn	Tmax /Tn	Ist/In	Weight
	KW	HP	V.230	V.400	V.690	(rpm)	100%	75%	50%	cosφ	(N.m)				(kg)
MSE3-80A2	0.75	1	2.85	1.64	/	2900	80.7	80.6	78.7	0.82	2.49	2.5	3.0	7.3	9.5
MSE3-80B2	1.1	1.5	4.02	2.31	/	2910	82.7	83.0	82.5	0.83	3.65	2.8	3.5	8.7	10.5
MSE3-90S-2	1.5	2	5.32	3.06	/	2920	84.2	84.8	84.0	0.84	4.95	2.4	3.2	8.5	15
MSE3-90L2	2.2	3	7.56	4.35	/	2915	85.9	86.2	85.5	0.85	7.26	2.6	3.5	8.5	19
MSE3-100L2	3	4	9.90	5.71	/	2910	87.1	87.9	86.2	0.87	9.90	3.2	3.5	8.5	25
MSE3-112M2	4	5.5	13.0	7.45	4.32	2920	88.1	88.5	87.8	0.88	13.1	2.6	3.0	8.6	34
MSE3-132SA2	5.5	7.5	17.6	10.1	5.86	2920	89.2	89.5	88.8	0.88	17.9	2.5	2.8	8.6	49.5
MSE3-132SB2	7.5	10	23.7	13.7	7.91	2925	90.1	90.7	89.6	0.88	24.4	2.5	3.0	8.5	55
MSE3-132M2	9.2	12.5	29.0	16.7	9.66	2930	90.6	90.9	90.2	0.88	30.0	2.6	3.2	8.8	62
MSE3-132MB2	11	15	34.0	19.6	11.3	2945	91.2	91.6	90.6	0.89	35.7	2.7	3.6	8.8	76.5
MSE3-160MA2	11	15	34.0	19.6	11.3	2945	91.2	91.6	90.6	0.89	35.7	2.7	3.6	8.8	99
MSE3-160MB2	15	20	46.0	26.5	15.3	2945	91.9	92.0	91.2	0.89	48.6	2.6	3.6	9.0	108
MSE3-160L2	18.5	25	56.5	32.5	18.8	2940	92.4	92.5	92.0	0.89	60.1	2.7	3.6	9.0	118
MSE3-80B4	0.75	1	3.04	1.75	/	1445	82.5	82.6	81.1	0.75	5.04	3.0	3.6	7.2	13
MSE3-90S4	1.1	1.5	4.32	2.48	/	1445	84.1	84.0	83.2	0.76	7.27	2.5	3.0	8.0	14.5
MSE3-90L4	1.5	2	5.73	3.30	/	1440	85.3	84.8	83.8	0.77	9.91	2.9	3.2	8.1	18.5
MSE3-100L4	2.2	3	7.86	4.52	/	1455	86.7	86.6	84.8	0.81	14.6	3.1	3.7	8.1	27
MSE3-100LB4	3	4	10.5	6.02	/	1450	87.7	87.7	86.2	0.82	20.0	3.2	3.7	8.6	30
MSE3-112M4	4	5.5	13.8	7.95	4.61	1455	88.6	88.5	87.4	0.82	26.5	3.0	3.7	8.8	38
MSE3-132SA4	5.5	7.5	18.6	10.7	6.19	1460	89.6	89.5	88.5	0.83	36.0	2.8	3.6	8.6	50
MSE3-132M4	7.5	10	24.8	14.3	8.26	1460	90.4	90.2	89.3	0.84	49.1	3.2	3.6	8.6	58
MSE3-132MB4	9.2	12.5	30.2	17.4	10.0	1460	90.9	90.7	90.2	0.84	60.2	3.2	3.6	8.6	68
MSE3-160MA4	11	15	35.5	20.4	11.8	1465	91.4	91.2	89.7	0.85	71.7	3.5	3.8	8.8	111
MSE3-160L4	15	20	47.5	27.3	15.8	1465	92.1	92.0	91.5	0.86	97.8	3.5	3.8	8.8	117
MSE3-90S6	0.75	1	3.36	1.93	/	955	78.9	78	74.5	0.71	7.66	1.9	2.3	6.0	15
MSE3-90L6	1.1	1.5	4.67	2.69	/	955	81.0	81.2	78.8	0.73	11.1	2.6	3.0	6.0	20
MSE3-100L6	1.5	2	6.25	3.59	/	960	82.5	82.7	81.5	0.73	15.1	2.6	3.1	6.5	27
MSE3-112M6	2.2	3	8.85	5.09	/	965	84.3	84.5	82.4	0.74	22.0	2.2	3.0	6.6	35.5
MSE3-132S6	3	4	11.9	6.84	/	968	85.6	85.7	83.3	0.74	29.6	2.7	3.8	7.8	46
MSE3-132MA6	4	5.5	15.6	8.99	5.21	968	86.8	86.9	84.8	0.74	39.5	2.3	2.7	7.8	55
MSE3-132MB6	5.5	7.5	20.9	12.0	6.97	968	88.0	88.5	87.5	0.75	54.3	2.3	2.7	8.1	65.5
MSE3-160MA6	7.5	10	26.7	15.4	8.92	970	89.1	89.2	87.5	0.79	73.8	2.4	3.1	7.8	123
MSE3-160L6	11	15	38.2	22.0	12.7	970	90.3	90.2	88.3	0.8	108.3	1.9	2.4	7.8	138
MSE3-100L8	0.75	1	3.86	2.22	/	700	75.0	72.1	65.3	0.65	10.2	1.8	2.0	6.2	22
MSE3-100LB8	1.1	1.5	5.15	2.96	/	710	77.7	75.2	68.6	0.69	14.8	1.8	2.0	6.2	27.5
MSE3-112M8	1.5	2	6.75	3.88	/	705	79.7	77.8	70.4	0.70	20.3	1.8	2.0	6.7	34
MSE3-132S8	2.2	3	9.50	5.46	/	705	81.9	80.4	74.1	0.71	29.8	1.8	2.0	6.7	44
MSE3-132MA8	3	4	12.53	7.20	/	705	83.5	82.6	76.2	0.72	40.6	1.8	2.0	6.9	52.5

TECHNICAL DATA MSE4 (IE4)

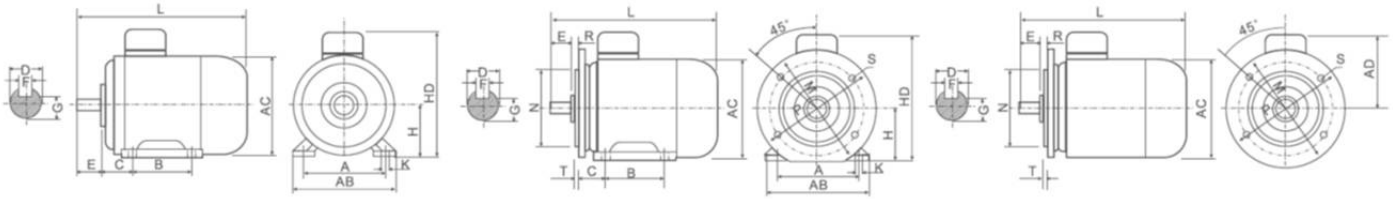
Frame Size	Rated Power		Rated Current (A)			Speed	Efficiency η(%)	P.F. Cosϕ	Tn (Nm)	Tst/Tn	Tmax/Tn	Ist/In	Kg
	kW	HP	230V	400V	690V	rpm							
MSE4-80A2	0.75	1	2.72	1.56	/	2900	83.5	0.83	2.47	2.6	3.2	8.5	10.6
MSE4-80B2	1.1	1.5	3.90	2.25	/	2900	85.2	0.83	3.62	2.6	3.2	8.5	12
MSE4-90S2	1.5	2	5.12	2.94	/	2910	86.5	0.85	4.92	2.6	3.2	9.5	17
MSE4-90L2	2.2	3	7.30	4.20	/	2910	88.0	0.86	7.22	2.6	3.2	9.5	21
MSE4-100L2	3	4	9.71	5.59	/	2910	89.1	0.87	9.85	2.7	3.3	9.5	28
MSE4-112M2	4	5.5	12.7	7.29	4.23	2920	90.0	0.88	13.1	2.6	3.3	9.5	40
MSE4-132SA2	5.5	7.5	17.3	9.92	5.75	2920	90.9	0.88	18.0	2.5	3.3	9.5	52
MSE4-132SB2	7.5	10	23.1	13.3	7.69	2925	91.7	0.89	24.5	2.5	3.3	9.5	64
MSE4-160MA2	11	15	/	19.3	11.2	2950	92.6	0.89	35.6	2.7	3.3	9.5	109
MSE4-160MB2	15	20	/	26.1	15.1	2950	93.3	0.89	48.6	2.6	3.3	9.5	119
MSE4-160L2	18.5	25	/	32.0	18.6	2950	93.7	0.89	59.9	2.7	3.3	9.5	130
MSE4-80B4	0.75	1	2.97	1.71	/	1445	85.7	0.74	4.96	2.8	3.2	8.0	15
MSE4-90S4	1.1	1.5	4.22	2.43	/	1445	87.2	0.75	7.27	2.6	3.2	8.5	17
MSE4-90L4	1.5	2	5.62	3.23	/	7450	88.2	0.76	9.88	2.6	3.2	9.0	21
MSE4-100L4	2.2	3	7.81	4.49	/	1455	89.5	0.79	14.4	2.7	3.3	9.0	31
MSE4-100LB4	3	4	10.4	5.99	/	1455	90.4	0.80	19.7	2.7	3.3	9.0	35
MSE4-112M4	4	5.5	13.8	7.92	4.59	1455	97.1	0.80	26.3	2.7	3.3	9.5	49
MSE4-132SA4	5.5	7.5	18.8	10.8	6.26	1460	91.9	0.80	36.0	2.7	3.6	9.5	75
MSE4-132M4	7.5	10	25.1	14.4	8.37	7460	92.6	0.81	49.1	2.8	3.6	9.5	85
MSE4-160MA4	11	15	/	20.5	11.9	7475	93.3	0.83	71.2	2.8	3.3	9.5	124
MSE4-160L4	15	20	/	27.4	15.9	1480	93.9	0.84	96.8	2.8	3.3	9.5	131
MSE4-90S6	0.75	1	3.25	1.87	/	955	82.7	0.70	7.50	2.1	2.4	6.0	17
MSE4-90L6	1.1	1.5	4.67	2.68	/	955	84.5	0.70	11.0	2.1	2.4	6.5	23
MSE4-100L6	1.5	2	6.17	3.55	/	960	85.9	0.71	14.9	2.2	2.6	6.5	31
MSE4-112M6	2.2	3	8.90	5.12	/	965	87.4	0.71	21.8	2.2	2.6	7.5	48
MSE4-132S6	3	4	12.0	6.88	/	968	88.6	0.71	29.6	2.5	3.0	7.8	62
MSE4-132MA6	4	5.5	15.6	8.96	5.19	968	89.5	0.72	39.5	2.3	2.6	8.0	66
MSE4-132MB6	5.5	7.5	21.2	12.2	7.06	968	90.5	0.72	54.3	2.3	2.6	9.0	83
MSE4-160MA6	7.5	10	/	15.6	9.04	975	91.3	0.76	73.5	2.4	3.0	8.0	138
MSE4-160L6	11	15	/	22.3	13.0	980	92.3	0.77	107	2.2	2.5	8.5	155
MSE4-100L8	0.75	1	3.64	2.09	/	710	78.4	0.66	10.1	2.0	2.0	7.0	31
MSE4-100LB8	1.1	1.5	5.10	2.93	/	710	80.8	0.67	14.8	2.0	2.0	7.0	35
MSE4-112M8	1.5	2	6.61	3.80	/	710	82.6	0.69	20.2	2.0	2.0	7.0	48
MSE4-132S8	2.2	3	9.34	5.37	/	720	84.5	0.70	29.2	1.8	2.0	7.5	59
MSE4-132MA8	3	4	12.5	7.20	/	720	85.9	0.70	39.8	1.8	2.0	7.8	65
MSE4-160MA8	4	5.5	16.2	9.34	5.41	720	87.1	0.71	53.1	1.8	2.0	7.9	119
MSE4-160MB8	5.5	7.5	/	12.5	7.24	720	88.3	0.72	73.0	1.8	2.0	8.1	138
MSE4-160L8	7.5	10	/	16.4	9.50	720	89.3	0.74	99.5	1.8	2.0	7.8	155

MOTORI V.I.M.E.C. IN GHISA *(Cast Iron)* – **IE3** (YE3)

- Motori asincroni trifase, standard IEC
- Scatola morsettiera superiore
- Struttura compatta, con piedi fusi
- Grado di isolamento c.l. F
- Sovratemperatura di grado B
- Grado di protezione IP55
- Frequenza nominale 50Hz/ 60Hz
- Raffreddamento IC411
- Ciclo di lavoro continuo S1
- Alta efficienza, risparmio energetico
- PTC di serie
- Verniciatura RAL7031 di serie
- Cuscinetti SKF-NSK su tutte le taglie
- Separatori di fase per comando inverter

IE3 (YE3) Dimensioni – Dimensions

IMB3 IMB35 IMB5



Frame Size	Mounting Dimensions (mm)																	Overall Dimensions (mm)					
	A	B	C	D		E		F		G		H	K	M	N	P	R	S	T	AB	AC	AD	HD	L	
				2P	4,6,8 P	2P	4,6,8 P	2P	4,6,8 P	2P	4,6,8 P													2P	4,6,8 P
80M	125	100	50	19		40		6		15.5		80	10	165	130	200	0	12	3.5	165	168	142	222	298	
90S	140	100	56	24		50		8		20		90	10	165	130	200	0	12	3.5	176	181	150	240	350	
90L	140	125	56	24		50		8		20		90	10	165	130	200	0	12	3.5	176	181	150	240	380	
100L	160	140	63	28		60		8		24		100	12	215	180	250	0	14.5	4	200	206	181	281	428	
112M	190	140	70	28		60		8		24		112	12	215	180	250	0	14.5	4	226	220	188	300	395	465
132S	216	140	89	38		80		10		33		132	12	265	230	300	0	14.5	4	262	259	208	340	463	
132M	216	178	89	38		80		10		33		132	12	265	230	300	0	14.5	4	262	259	208	340	501	
160M	254	210	108	42		110		12		37		160	14.5	300	250	350	0	4-18.5	5	314	314	264	424	610	
160L	254	254	108	42		110		12		37		160	14.5	300	250	350	0	4-18.5	5	314	314	264	424	654	
180M	279	241	121	48		110		14		42.5		180	14.5	300	250	350	0	4-18.5	5	349	354	283	463	686	
180L	279	279	121	48		110		14		42.5		180	14.5	300	250	350	0	4-18.5	5	349	354	283	463	724	
200L	318	305	133	55		110		16		49		200	18.5	350	300	400	0	4-18.5	5	388	396	312	512	769	
225S	356	286	149	-	60	-	140	-	18	-	53	225	18.5	400	350	450	0	8-18.5	5	431	445	333	558	-	823
225M	356	311	149	55	60	110	140	16	18	49	53	225	18.5	400	350	450	0	8-18.5	5	431	445	333	558	818	848
250M	406	349	168	60	65	140		18		53	58	250	24	500	450	550	0	8-18.5	5	484	484	367	617	909	
280S	457	368	190	65	75	140		18	20	58	67.5	280	24	500	450	550	0	8-18.5	5	542	546	396	676	959	979
280M	457	419	190	65	75	140		18	20	58	67.5	280	24	500	450	550	0	8-18.5	5	542	546	396	676	1010	1030
315S	508	406	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	8-24	6	628	620	540	855	1193	1223
315M	508	457	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	8-24	6	628	620	540	855	1303	1333
315L	508	508	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	8-24	6	628	620	540	855	1303	1333
355M	610	560	254	75	95	140	170	20	25	67.5	86	355	28	740	680	800	0	8-24	6	726	701	666	1021	1509	1539
355L	610	630	254	75	95	140	170	20	25	67.5	86	355	28	740	680	800	0	8-24	6	726	701	666	1021	1509	1539

TECHNICAL DATA MOTORI V.I.M.E.C. GHISA *(Cast Iron)* - serie YE3 **(IE3) – 2poli**

Frame Size	Rated Power		Rated Current (A)			Rated Speed (rpm)	Eff.	Power Factor	Rated Torque (N.m)	Ts/Tn	Tmax /Tn	Ist/In	Weight (kg)
	KW	HP	V.230	V.400	V.690		η%	cosφ					
YE3-80A2	0.75	1	2.85	1.64	0.95	2900	80.7	0.82	2.49	2.5	3.0	7.3	20
YE3-80B2	1.1	1.5	4.02	2.31	1.34	2910	82.7	0.83	3.65	2.8	3.5	8.7	21
YE3-90S2	1.5	2	5.32	3.06	1.77	2920	84.2	0.84	4.95	2.4	3.2	8.5	26
YE3-90L2	2.2	3	7.56	4.35	2.52	2915	85.9	0.85	7.26	2.6	3.5	8.5	29
YE3-100L2	3	4	9.9	5.71	3.31	2910	87.1	0.87	9.90	3.2	3.5	8.5	43
YE3-112M2	4	5.5	13.0	7.45	4.32	2920	88.1	0.88	13.1	2.6	3.0	8.6	51
YE3-132SA2	5.5	7.5	17.6	10.1	5.86	2920	89.2	0.88	17.9	2.5	2.8	8.6	76
YE3-132SB2	7.5	10	23.7	13.7	7.91	2925	90.1	0.88	24.4	2.5	3.0	8.5	84
YE3-132MA2	9.2	12.5	29.0	16.7	9.66	2930	90.6	0.88	30.0	2.6	3.2	8.8	95
YE3-132MB2	11	15	34.0	19.6	11.3	2945	91.2	0.89	35.7	2.7	3.6	8.8	110
YE3-160MA2	11	15	34.0	19.6	11.3	2940	91.2	0.89	35.7	2.7	3.6	8.8	122
YE3-160MB2	15	20	46.0	26.5	15.3	2935	91.9	0.89	48.8	2.6	3.6	9.0	137
YE3-160L2	18.5	25	56.5	32.5	18.8	2930	92.4	0.89	60.3	2.7	3.6	9.0	150
YE3-180M2	22	30	66.9	38.5	22.3	2945	92.7	0.89	71.3	2.7	3.2	8.8	198
YE3-200LA2	30	40	90.7	52.1	30.2	2950	93.3	0.89	97.1	2.0	2.7	8.2	244
YE3-200LB2	37	50	111	64.0	37.1	2950	93.7	0.89	120	2.7	3.0	8.4	261
YE3-225M2	45	60	135	77.6	45.0	2970	94.0	0.89	145	3.2	2.6	9.4	324
YE3-250M2	55	75	165	94.6	54.8	2965	94.3	0.89	177	2.5	3.2	7.8	407
YE3-280S2	75	100	223	128	74.5	2970	94.7	0.89	241	2.5	3.1	7.8	575
YE3-280M2	90	125	267	154	89.1	2970	95.0	0.89	289	2.6	3.0	7.5	600
YE3-315S2	110	150	322	185	107	2975	95.2	0.90	353	2.1	2.8	7.4	876
YE3-315MA2	132	180	386	222	129	2975	95.4	0.90	424	2.0	2.7	7.0	974
YE3-315LA2	160	220	462	265	154	2975	95.6	0.91	514	1.9	2.7	6.4	1009
YE3-315LB2	200	250	576	331	192	2975	95.8	0.91	642	2.1	2.8	8.6	1132
YE3-355M2	250	340	720	414	240	2980	95.8	0.91	801	1.7	2.3	6.7	1643
YE3-355L2	315	430	907	522	302	2980	95.8	0.91	1009	1.7	2.3	6.6	1800

TECHNICAL DATA MOTORI V.I.M.E.C. GHISA *(Cast Iron)* - serie YE3 **(IE3) – 4poli**

Frame Size	Rated Power		Rated Current (A)			Rated Speed (rpm)	Eff.	Power Factor	Rated Torque (N.m)	Ts/Tn	Tmax /Tn	Ist/In	Weight (kg)
	KW	HP	V.230	V.400	V.690		η%	cosφ					
YE3-80B4	0.75	1	3.04	1.75	1.01	1445	82.5	0.75	5.04	3.0	3.6	7.2	22
YE3-90S4	1.1	1.5	4.32	2.48	1.44	1445	84.1	0.76	7.27	2.5	3.0	8.0	27
YE3-90L4	1.5	2	5.73	3.30	1.91	1440	85.3	0.77	9.91	2.9	3.2	8.1	32
YE3-100L4	2.2	3	7.86	4.52	2.62	1455	86.7	0.81	14.6	3.1	3.7	8.1	44
YE3-100LB4	3	4	10.5	6.02	3.49	1450	87.7	0.82	20.0	3.2	3.7	8.6	49
YE3-112M4	4	5.5	13.8	7.95	4.61	1455	88.6	0.82	26.5	3.0	3.7	8.8	56
YE3-132SA4	5.5	7.5	18.6	10.7	6.19	1460	89.6	0.83	36.0	2.8	3.6	8.6	81
YE3-132M4	7.5	10	24.8	14.3	8.26	1460	90.4	0.84	49.1	3.2	3.6	8.6	91
YE3-132MB	9.2	12.5	30.2	17.4	10.0	1460	90.9	0.84	60.2	3.2	3.6	8.6	101
YE3-160MA4	11	15	35.5	20.4	11.8	1460	91.4	0.85	72.0	3.5	3.8	8.8	122
YE3-160L4	15	20	47.5	27.3	15.8	1460	92.1	0.86	98.1	3.5	3.8	8.8	144
YE3-180M4	18.5	25	58.3	33.5	19.4	1465	92.6	0.86	121	2.5	3.4	7.8	182
YE3-180L4	22	30	69.0	39.7	23.0	1465	93.0	0.86	143	2.6	2.7	8.0	209
YE3-200LA4	30	40	93.6	53.8	31.2	1475	93.6	0.86	194	3.0	3.7	8.6	280
YE3-225S4	37	50	115	66.1	38.3	1480	93.9	0.86	239	3.4	3.3	9.4	308
YE3-225M4	45	60	139	80.2	46.5	1480	94.2	0.86	290	3.2	3.5	9.0	343
YE3-250M4	55	75	170	97.6	56.6	1485	94.6	0.86	354	3.0	3.1	8.5	456
YE3-280S4	75	100	225	129	75.1	1480	95.0	0.88	484	2.7	2.8	8.0	565
YE3-280M4	90	125	270	155	89.9	1485	95.2	0.88	579	2.7	2.8	8.0	657
YE3-315S4	110	150	329	189	110	1480	95.4	0.88	710	2.6	2.7	8.2	876
YE3-315MA4	132	180	394	226	131	1480	95.6	0.88	852	2.5	2.8	8.1	994
YE3-315LA4	160	220	471	271	157	1480	95.8	0.89	1032	2.3	2.7	7.8	1078
YE3-315LB4	200	250	588	338	196	1480	96.0	0.89	1291	2.1	2.5	7.3	1238
YE3-355M4	250	340	726	418	242	1490	96.0	0.90	1602	2.1	2.5	7.3	1719
YE3-355L4	315	430	915	526	305	1490	96.0	0.90	2019	2.3	2.5	7.5	1823

TECHNICAL DATA MOTORI V.I.M.E.C. GHISA *(Cast Iron)* - serie YE3 **(IE3) – 6poli**

Frame Size	Rated Power		Rated Current (A)			Rated Speed (rpm)	Eff.	Power Factor	Rated Torque (N.m)	Ts/Tn	Tmax /Tn	Ist/In	Weight (kg)
	KW	HP	V.230	V.400	V.690		η%	cosφ					
YE3-90S6	0.75	1	3.36	1.93	1.12	955	78.9	0.71	7.66	1.9	2.3	6.0	27
YE3-90L6	1.1	1.5	4.67	2.69	1.56	955	81.0	0.73	11.1	2.6	3.0	6.0	29
YE3-100L6	1.5	2	6.25	3.59	2.08	960	82.5	0.73	15.1	2.6	3.1	6.5	42
YE3-112M6	2.2	3	8.85	5.09	2.95	965	84.3	0.74	22.0	2.2	3.0	6.6	53
YE3-132S6	3	4	11.9	6.84	3.96	968	85.6	0.74	29.6	2.7	3.8	7.8	79
YE3-132MA6	4	5.5	15.6	8.99	5.21	968	86.8	0.74	39.5	2.3	2.7	7.8	86
YE3-132MB6	5.5	7.5	20.9	12.0	6.97	968	88.0	0.75	54.3	2.3	2.7	8.1	98
YE3-160MA6	7.5	10	27.1	15.6	9.00	975	89.1	0.78	73.5	2.4	3.1	7.8	120
YE3-160L6	11	15	38.7	22.3	12.9	970	90.3	0.79	108	2.2	2.4	7.8	140
YE3-180L6	15	20	51.0	29.3	17.0	980	91.2	0.81	146	2.2	2.6	6.0	186
YE3-200LA6	18.5	25	62.5	35.9	20.8	980	91.7	0.81	180	2.2	2.5	6.5	235
YE3-200LB6	22	30	73.0	42.0	24.3	980	92.2	0.82	214	2.4	2.8	7.0	253
YE3-225M6	30	40	100	57.5	33.4	985	92.9	0.81	291	2.0	2.3	6.5	295
YE3-250M6	37	50	119	68.1	39.5	985	93.3	0.84	359	2.1	2.3	6.8	398
YE3-280S6	45	60	140	80.6	46.7	985	93.7	0.86	436	2.0	2.3	6.5	499
YE3-280M6	55	75	171	98.1	56.9	985	94.1	0.86	533	2.0	2.3	6.0	576
YE3-315S6	75	100	231	133	77.1	985	94.6	0.86	727	2.0	2.3	5.8	864
YE3-315MA6	90	125	277	159	92.3	985	94.9	0.86	873	1.9	2.2	5.7	970
YE3-315LA6	110	150	338	194	113	985	95.1	0.86	1066	2.4	2.6	7.0	1064
YE3-315LB6	132	180	404	232	135	985	95.4	0.86	1280	2.2	2.4	6.8	1174
YE3-355MA6	160	220	483	278	161	990	95.6	0.87	1543	2.0	2.2	7.0	1565
YE3-355MB6	200	250	602	346	201	990	95.8	0.87	1929	2.0	2.2	7.0	1720
YE3-355LA6	250	340	753	433	251	990	95.8	0.87	2412	2.0	2.2	7.0	1972

TECHNICAL DATA MOTORI V.I.M.E.C. GHISA *(Cast Iron)* - serie YE3 **(IE3) – 8poli**

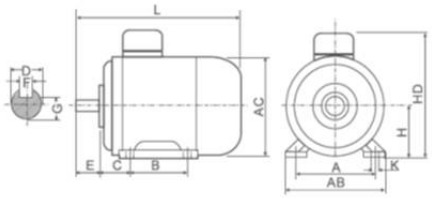
Frame Size	Rated Power		Rated Current (A)			Rated Speed (rpm)	Eff.	Power Factor	Rated Torque (N.m)	Ts/Tn	Tmax /Tn	Ist/In	Weight (kg)
	KW	HP	V.230	V.400	V.690		η%	cosφ					
YE3-80A8	0.18	0.25	1.45	0.84	0.48	710	58.7	0.53	2.42	1.8	2.2	3.0	11.5
YE3-80B8	0 25	0.35	1.85	1.06	0.62	710	64.1	0.53	3.36	2	2.4	3.2	12.5
YE3-90S8	0.37	0.5	2.31	1.33	0.77	710	69.3	0.58	4.98	1.9	2.5	4.0	15.5
YE3-90L8	0.55	0.75	3.21	1.84	1.07	710	73.0	0.59	7.40	1.8	2.5	4.0	27.5
YE3-100L8	0.75	1	3.86	2.22	1.29	700	75.0	0.65	10.2	1.8	2.0	6.2	36
YE3-100LB8	1.1	1.5	5.15	2.96	1.72	710	77.7	0.69	14.8	1.8	2.0	6.2	41.5
YE3-112M8	1.5	2	6.75	3.88	2.25	705	79.7	0.70	20.3	1.8	2.0	6.7	51
YE3-132S8	2.2	3	9.50	5.46	3.17	705	81.9	0.71	29.8	1.8	2.0	6.7	56
YE3-132MA8	3	4	12.5	7.20	4.18	705	83.5	0.72	40.6	1.8	2.0	6.9	65.5
YE3-160MA8	4	5.5	16.2	9.33	5.47	720	84.8	0.73	53.7	2.5	2.9	5.8	112
YE3-160MB8	5.5	7.5	21.6	12.4	7.21	720	86.2	0.74	73.0	2.6	2.8	6.0	113
YE3-160L8	7.5	10	28.8	16.5	9.58	720	87.3	0.75	98.9	2.7	2.9	6.5	140
YE3-180L8	11	15	41.0	23.6	13.7	730	88.6	0.76	144.6	2.6	2.7	6.5	166
YE3-200LA8	15	20	55.3	31.8	18.4	730	89.6	0.76	195.8	2.6	2.7	6.7	214
YE3-225S8	18.5	25	67.8	39.0	22.6	740	90.1	0.76	240.9	2.1	2.6	6.7	255
YE3-225M8	22	30	78.1	44.9	26.0	740	90.6	0.78	286.5	2.2	2.6	7.0	284
YE3-250M8	30	40	104	60.0	34.8	740	91.3	0.79	390.8	2.0	2.6	5.7	380
YE3-280S8	37	50	128	73.6	42.7	740	91.8	0.79	480.2	2.2	2.4	5.8	496
YE3-280M8	45	60	155	89.2	51.7	740	92.2	0.79	584.7	1.9	2.0	6.7	520
YE3-315S8	55	75	184	106	61.4	740	92.5	0.81	714.6	1.8	2.0	6.8	900
YE3-315MA8	75	100	250	144	83.2	740	93.1	0.81	968.2	1.9	2.3	6.0	1000
YE3-315LA8	90	125	295	170	98.3	740	93.4	0.82	1161.5	1.8	2.0	6.4	1060
YE3-315LB8	110	150	359	207	120	740	93.7	0.82	1419.6	1.8	2.0	6.4	1130
YE3-355MA8	132	180	430	247	143	740	94.0	0.82	1698.9	1.8	2.0	6.4	1500
YE3-355MB8	160	220	519	299	173	740	94.3	0.82	2059.3	1.8	2.0	6.4	1600
YE3-355L8	200	250	639	368	213	740	94.6	0.83	2563.8	1.8	2.0	6.4	1700

MOTORI V.I.M.E.C. IN GHISA *(Cast Iron)* – **IE4** (YE4)

- Motori asincroni trifase, standard IEC
- Scatola morsettiera superiore
- Struttura compatta, con piedi fusi
- Grado di isolamento c.l. F
- Sovratemperatura di grado B
- Grado di protezione IP55
- Frequenza nominale 50Hz/ 60Hz
- Raffreddamento IC411
- Ciclo di lavoro continuo S1
- Alta efficienza, risparmio energetico
- PTC di serie
- Verniciatura RAL7031 di serie
- Cuscinetti SKF-Explorer su tutte le taglie
- Separatori di fase per comando inverter

IE4 (YE4) Dimensioni - Dimensions

IMB3



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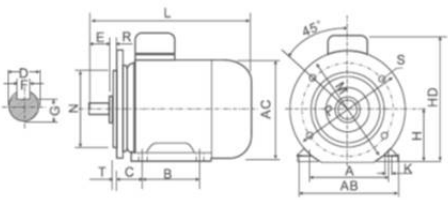

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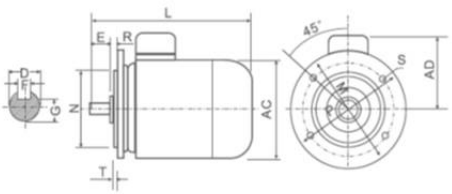

Frame Size	Mounting Dimensions (mm)																			Overall Dimensions(mm)					
	A	B	C	D		E		F		G		H	K	M	N	P	R	S	T	AB	AC	AD	HD	L	
				2P	4,6,8,10P	2P	4,6,8,10P	2P	4,6,8,10P	2P	4,6,8,10P													2P	4,6,8,10P
80M	125	100	50	19		40		6		15,5		80	10	165	130	200	0	12	3,5	165	168	142	222	298	
80M-4	125	100	50	19		40		6		15,5		80	10	165	130	200	0	12	3,5	165	168	142	222	322	
90S	140	100	56	24		50		8		20		90	10	165	130	200	0	12	3,5	176	181	150	240	350	
90S-4	140	100	56	24		50		8		20		90	10	165	130	200	0	12	3,5	180	205	150	240	374	
90L	140	125	56	24		50		8		20		90	10	165	130	200	0	12	3,5	176	181	150	240	380	405
100L	160	140	63	28		60		8		24		100	12	215	180	250	0	14,5	4	200	206	181	281	428	
112M-2	190	140	70	28		60		8		24		112	12	215	180	250	0	14,5	4	226	220	188	300	395	-
112M-4/6	190	140	70	28		60		8		24		112	12	215	180	250	0	14,5	4	226	235	193	305	-	448,5
132S-2	216	140	89	38		80		10		33		132	12	265	230	300	0	14,5	4	262	259	208	340	463	-
132S	216	140	89	38		80		10		33		132	12	265	230	300	0	14,5	4	262	296	228	360	-	524
132M-2	216	178	89	38		80		10		33		132	12	265	230	300	0	14,5	4	262	259	208	340	540	-
132M	216	178	89	38		80		10		33		132	12	265	230	300	0	14,5	4	262	296	228	360	-	554
160M	254	210	108	42		110		12		37		160	14,5	300	250	350	0	4-18.5	5	314	314	264	424	610	
160L	254	254	108	42		110		12		37		160	14,5	300	250	350	0	4-18.5	5	314	314	264	424	654	
180M	279	241	121	48		110		14		42,5		180	14,5	300	250	350	0	4-18.5	5	349	354	283	463	686	
180L	279	279	121	48		110		14		42,5		180	14,5	300	250	350	0	4-18.5	5	349	354	283	463	724	
200L	318	305	133	55		110		16		49		200	18,5	350	300	400	0	4-18.5	5	388	396	312	512	769	
225S	356	286	149	-	60	-	140	-	18	-	53	225	18,5	400	350	450	0	8-18.5	5	431	445	333	558	-	823
225M	356	311	149	55	60	110	140	16	18	49	53	225	18,5	400	350	450	0	8-18.5	5	431	445	333	558	818	848
250M	406	349	168	60	65	140		18		53	58	250	24	500	450	550	0	8-18.5	5	484	484	367	617	909	
280S	457	368	190	65	75	140		18	20	58	67,5	280	24	500	450	550	0	8-18.5	5	542	546	396	676	959	979
280M	457	419	190	65	75	140		18	20	58	67,5	280	24	500	450	550	0	8-18.5	5	542	546	396	676	1010	1030
315S	508	406	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	8-24	6	628	620	540	855	1193	1223
315M	508	457	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	8-24	6	628	620	540	855	1303	1333
315L	508	508	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	8-24	6	628	620	540	855	1303	1333
355M	610	560	254	75	95	140	170	20	25	67,5	86	355	28	740	680	800	0	8-24	6	726	701	666	1021	1509	1539
355L	610	630	254	75	95	140	170	20	25	67,5	86	355	28	740	680	800	0	8-24	6	726	701	666	1021	1509	1539

TECHNICAL DATA MOTORI V.I.M.E.C. GHISA *(Cast Iron)* - serie YE4 **(IE4) – 2poli**

Frame Size	Rated Power		Rated Current (A)			Rated Speed (rpm)	Efficiency η (%)			Power Factor cosφ	Rated Torque (N.m)	Ts/Tn	Tmax/Tn	Ist/In	Weight (kg)
	KW	HP	V.230	V.400	V.690		100%	75%	50%						
YE4-80A2	0.75	1	2,72	1,56	/	2900	83,5	84,0	82,5	0,8	2,5	2,6	3,0	8,5	21,5
YE4-80B2	1.1	1.5	3,90	2,25	/	2900	85,2	85,8	85,0	0,8	3,6	2,6	3,2	8,5	22,5
YE4-90S2	1.5	2	5,12	2,94	/	2910	86,5	86,9	85,8	0,9	4,9	2,6	3,2	9,5	28,0
YE4-90L2	2.2	3	7,30	4,20	/	2910	88,0	88,4	88,0	0,9	7,2	2,6	3,2	9,5	31,0
YE4-100L2	3	4	9,71	5,59	/	2910	89,1	89,3	89,0	0,9	9,8	2,7	3,3	9,5	46,0
YE4-112M2	4	5.5	12,68	7,29	4,23	2920	90,0	89,8	87,8	0,9	13,1	2,6	3,3	9,5	57,0
YE4-132SA2	5.5	7.5	17,26	9,92	5,75	2920	90,9	90,8	89,8	0,9	18,0	2,5	3,3	9,5	67,0
YE4-132SB2	7.5	10	23,07	13,26	7,69	2925	91,7	91,5	90,5	0,9	24,5	2,5	3,3	9,5	79,0
YE4-160MA2	11	15	/	19,27	11,17	2950	92,6	92,3	91,8	0,9	35,6	2,7	3,3	9,5	118,0
YE4-160MB2	15	20	/	26,07	15,12	2950	93,3	93,0	91,9	0,9	48,6	2,6	3,3	9,5	133,0
YE4-160L2	18.5	25	/	32,02	18,56	2950	93,7	93,0	92,0	0,9	59,9	2,7	3,3	9,5	153,0
YE4-180M-2	22	30	/	37,96	22,00	2960	94,0	93,6	92,3	0,9	71,0	2,7	3,2	9,5	194,0
YE4-200LA2	30	40	/	51,49	29,85	2970	94,5	94,1	92,8	0,9	96,5	2,3	2,7	9,0	241,0
YE4-200LB2	37	50	/	63,30	36,69	2970	94,8	94,4	93,1	0,9	119,0	2,7	3,0	9,0	262,0
YE4-225M2	45	60	/	76,82	44,54	2970	95,0	94,6	93,3	0,9	144,7	2,6	3,2	9,0	326,0
YE4-250M2	55	75	/	93,60	54,26	2970	95,3	94,9	93,6	0,9	176,9	2,5	3,2	9,0	439,6
YE4-280S2	75	100	/	127,23	73,76	2975	95,6	95,2	93,9	0,9	240,8	2,5	3,1	8,5	621,0
YE4-280M2	90	125	/	152,36	88,33	2975	95,8	95,4	94,1	0,9	288,9	2,6	3,0	8,5	648,0
YE4-315S2	110	150	/	185,83	107,73	2975	96,0	95,6	94,3	0,9	353,1	2,1	2,8	8,5	845,0
YE4-315MA2	132	180	/	222,54	129,01	2975	96,2	95,8	94,5	0,9	423,7	2,2	2,7	8,5	953,0
YE4-315LA2	160	220	/	269,46	156,21	2975	96,3	95,9	94,6	0,9	513,6	1,9	2,7	8,5	1022,0
YE4-315LB2	200	250	/	336,13	194,86	2975	96,5	96,1	94,8	0,9	642,0	2,0	2,8	8,5	1133,0
YE4-355M2	250	340	/	410,93	238,22	2980	96,5	96,1	94,8	0,9	801,2	1,7	2,3	8,5	1692,3
YE4-355L2	315	430	/	517,77	300,15	2980	96,5	96,1	94,8	0,9	1009,5	1,7	2,3	8,5	1854,0

TECHNICAL DATA MOTORI V.I.M.E.C. GHISA *(Cast Iron)* - serie YE4 **(IE4) – 4poli**

Frame Size	Rated Power		Rated Current (A)			Rated Speed (rpm)	Efficiency η (%)			Power Factor cosφ	Rated Torque (N.m)	Ts/Tn	Tmax/Tn	Ist/In	Weight (kg)
	KW	HP	V.230	V.400	V.690		100%	75%	50%						
YE4-80B4	0.75	1	3,0	1,7	/	1445	85,7	85,6	84,0	0,7	5,0	2,8	3,2	8,0	22,0
YE4-90S4	1.1	1.5	4,2	2,4	/	1445	87,2	87,3	85,5	0,8	7,3	2,6	3,2	8,5	27,0
YE4-90L4	1.5	2	5,6	3,2	/	1450	88,2	88,0	86,2	0,8	9,9	2,6	3,2	9,0	32,0
YE4-100L4	2.2	3	7,8	4,5	/	1455	89,5	89,6	88,7	0,8	14,4	2,7	3,3	9,0	46,0
YE4-100LB4	3	4	10,4	6,0	/	1455	90,4	90,0	89,0	0,8	19,7	2,7	3,3	9,0	48,0
YE4-112M4	4	5.5	13,8	7,9	4,6	1455	91,1	91,2	90,3	0,8	26,3	2,7	3,3	9,5	59,0
YE4-132SA4	5.5	7.5	18,8	10,8	6,3	1460	91,9	91,5	90,0	0,8	36,0	2,7	3,6	9,5	86,0
YE4-132M4	7.5	10	25,1	14,4	8,4	1460	92,6	92,5	91,3	0,8	49,1	2,8	3,6	9,5	101,0
YE4-160MA4	11	15	/	20,5	11,9	1475	93,3	92,9	91,5	0,8	71,2	2,8	3,3	9,5	124,0
YE4-160L4	15	20	/	27,4	15,9	1480	93,9	93,5	91,9	0,8	96,8	2,8	3,3	9,5	145,0
YE4-180M4	18.5	25	/	33,3	19,3	1480	94,2	93,8	92,5	0,9	119,4	2,5	3,4	9,5	197,0
YE4-180L4	22	30	/	39,5	22,9	1480	94,5	94,1	92,8	0,9	142,0	2,6	2,7	9,5	216,0
YE4-200LA4	30	40	/	53,7	31,1	1480	94,9	94,5	93,2	0,9	193,6	2,8	3,5	9,0	302,4
YE4-225S4	37	50	/	66,0	38,3	1480	95,2	94,8	93,5	0,9	238,8	3,0	3,3	9,0	332,6
YE4-225M4	45	60	/	80,1	46,4	1480	95,4	95,0	93,7	0,9	290,4	3,2	3,5	9,0	359,0
YE4-250M4	55	75	/	96,5	55,9	1485	95,7	95,3	94,0	0,9	353,7	3,0	3,1	9,0	492,0
YE4-280S4	75	100	/	129,6	75,1	1485	96,0	95,6	94,3	0,9	482,3	2,5	2,8	8,5	622,0
YE4-280M4	90	125	/	153,6	89,1	1485	96,1	95,7	94,4	0,9	578,8	2,5	2,8	8,5	710,0
YE4-315S4	110	150	/	185,3	107,4	1485	96,3	95,9	94,6	0,9	707,4	2,5	2,7	8,5	872,0
YE4-315MA4	132	180	/	222,1	128,7	1485	96,4	96,0	94,7	0,9	848,9	2,5	2,8	8,5	990,0
YE4-315LA4	160	220	/	265,6	154,0	1485	96,6	96,2	94,9	0,9	1029,0	2,3	2,7	8,5	1074,0
YE4-315LB4	200	250	/	331,7	192,3	1485	96,7	96,3	95,0	0,9	1286,2	2,1	2,5	8,5	1234,0
YE4-355M4	250	340	/	414,6	240,4	1490	96,7	96,3	95,0	0,9	1602,3	2,1	2,5	8,5	1770,6
YE4-355L4	315	430	/	522,4	302,9	1490	96,7	96,3	95,0	0,9	2019,0	2,3	2,5	8,5	1877,7

TECHNICAL DATA MOTORI V.I.M.E.C. GHISA *(Cast Iron)* - serie YE4 **(IE4) – 6poli**

Frame Size	Rated Power		Rated Current (A)			Rated Speed (rpm)	Efficiency η (%)			Power Factor cosφ	Rated Torque (N.m)	Ts/Tn	Tmax/Tn	Ist/In	Weight (kg)
	KW	HP	V.230	V.400	V.690		100%	75%	50%						
YE4-90S6	0.75	1	3,3	1,9	/	955	82,7	81,8	79,6	0,7	7,5	2,1	2,4	6,0	27,0
YE4-90L6	1.1	1.5	4,7	2,7	/	955	84,5	83,6	81,4	0,7	11,0	2,1	2,4	6,5	32,0
YE4-100L6	1.5	2	6,2	3,5	/	960	85,9	85,5	83,5	0,7	14,9	2,2	2,6	6,5	41,0
YE4-112M6	2.2	3	8,9	5,1	/	965	87,4	87,0	85,4	0,7	21,8	2,2	2,6	7,5	58,0
YE4-132S6	3	4	12,0	6,9	/	968	88,6	88,1	86,5	0,7	29,6	2,5	3,0	7,8	73,0
YE4-132MA6	4	5.5	15,6	9,0	5,2	968	89,5	88,5	86,8	0,7	39,5	2,3	2,6	8,0	82,0
YE4-132MB6	5.5	7.5	21,2	12,2	7,1	968	90,5	89,9	87,5	0,7	54,3	2,3	2,6	9,0	99,0
YE4-160MA6	7.5	10	27,1	15,6	9,0	975	91,3	90,7	88,5	0,8	73,5	2,4	3,0	8,0	134,0
YE4-160L6	11	15	/	22,3	13,0	980	92,3	91,8	89,8	0,8	107,2	2,2	2,5	8,5	157,0
YE4-180L6	15	20	/	29,1	16,9	980	92,9	92,5	91,2	0,8	146,2	2,2	2,6	8,5	189,0
YE4-200LA6	18.5	25	/	35,7	20,7	980	93,4	93,0	91,7	0,8	180,3	2,2	2,5	8,5	253,8
YE4-200LB6	22	30	/	41,8	24,3	980	93,7	93,3	92,0	0,8	214,4	2,4	2,8	8,5	273,2
YE4-225M6	30	40	/	56,1	32,5	985	94,2	93,8	92,5	0,8	290,9	2,4	2,6	8,3	310,0
YE4-250M6	37	50	/	68,1	39,5	985	94,5	94,1	92,8	0,8	358,7	2,1	2,3	8,3	430,0
YE4-280S6	45	60	/	82,6	47,9	985	94,8	94,4	93,1	0,8	436,3	2,0	2,3	8,5	502,0
YE4-280M6	55	75	/	99,4	57,6	985	95,1	94,7	93,4	0,8	533,2	2,0	2,3	8,5	558,0
YE4-315S6	75	100	/	135,1	78,3	985	95,4	95,0	93,7	0,8	727,2	2,0	2,3	8,0	890,0
YE4-315MA6	90	125	/	159,9	92,7	985	95,6	95,2	93,9	0,9	872,6	2,0	2,2	8,0	999,1
YE4-315LA6	110	150	/	195,0	113,0	985	95,8	95,4	94,1	0,9	1066,5	2,2	2,6	8,0	1095,9
YE4-315LB6	132	180	/	230,8	133,8	985	96,0	95,6	94,3	0,9	1279,8	2,2	2,4	8,0	1209,2
YE4-355MA6	160	220	/	279,2	161,8	990	96,2	95,8	94,5	0,9	1543,4	2,0	2,2	8,0	1612,0
YE4-355MB6	200	250	/	348,6	202,1	990	96,3	95,9	94,6	0,9	1929,3	2,0	2,2	8,0	1771,6
YE4-355LA6	250	340	/	434,8	252,1	990	96,5	96,1	94,8	0,9	2411,6	2,0	2,2	8,0	2031,2

TECHNICAL DATA MOTORI V.I.M.E.C. GHISA *(Cast Iron)* - serie YE4 **(IE4) – 8poli**

Frame Size	Rated Power		Rated Current (A)			Rated Speed (rpm)	Efficiency η (%)			Power Factor cosφ	Rated Torque (N.m)	Ts/Tn	Tmax/Tn	Ist/In	Weight (kg)
	KW	HP	V.230	V.400	V.690		100%	75%	50%						
YE4-100L8	0.75	1	3,6	2,1	/	710	78,4	77,5	74,0	0,7	10,1	2,0	2,0	7,0	41,0
YE4-100LB8	1.1	1.5	5,1	2,9	/	710	80,8	78,2	74,3	0,7	14,8	2,0	2,0	7,0	45,0
YE4-112M8	1.5	2	6,6	3,8	/	710	82,6	82,2	81,0	0,7	20,2	2,0	2,0	7,0	58,0
YE4-132S8	2.2	3	9,3	5,4	/	720	84,5	84,1	82,8	0,7	29,2	1,8	2,0	7,5	69,0
YE4-132MA8	3	4	12,5	7,2	/	720	85,9	85,5	84,2	0,7	39,8	1,8	2,0	7,8	81,0
YE4-160MA8	4	5.5	16,2	9,3	5,4	720	87,1	86,7	85,4	0,7	53,1	1,8	2,0	7,9	134,0
YE4-160MB8	5.5	7.5	21,7	12,5	7,2	720	88,3	87,9	86,6	0,7	73,0	1,8	2,0	8,1	147,0
YE4-160L8	7.5	10	28,5	16,4	9,5	720	89,3	88,9	87,6	0,7	99,5	1,8	2,0	7,8	170,0
YE4-180L8	11	15	/	23,7	13,8	725	90,4	90,0	88,7	0,7	144,9	1,8	2,0	7,9	201,0
YE4-200LA8	15	20	/	31,7	18,4	730	91,2	90,8	89,5	0,8	196,2	1,8	2,0	8,0	273,0
YE4-225S8	18.5	25	/	38,8	22,5	730	91,7	91,3	90,0	0,8	242,0	1,8	2,0	8,1	287,0
YE4-225M8	22	30	/	45,4	26,3	730	92,1	91,7	90,4	0,8	287,8	1,8	2,0	8,3	319,0
YE4-250M8	30	40	/	60,7	35,2	730	92,7	92,3	91,0	0,8	392,5	1,8	2,0	7,9	430,0
YE4-280S8	37	50	/	73,5	42,6	735	93,1	92,7	91,4	0,8	480,7	1,8	2,0	7,9	539,0
YE4-280M8	45	60	/	89,2	51,7	735	93,4	93,0	91,7	0,8	584,7	1,8	2,0	7,9	622,0
YE4-315S8	55	75	/	105,9	61,4	735	93,7	93,3	92,0	0,8	714,6	1,6	2,0	8,2	890,0
YE4-315MA8	75	100	/	143,7	83,3	740	94,2	93,8	92,5	0,8	967,9	1,6	2,0	7,6	999,0
YE4-315LA8	90	125	/	169,9	98,5	740	94,4	94,0	92,7	0,8	1161,5	1,6	2,0	7,7	1096,0
YE4-315LB8	110	150	/	207,0	120,0	740	94,7	94,3	93,0	0,8	1419,6	1,6	2,0	7,7	1209,0
YE4-355MA8	132	180	/	247,9	143,7	742	94,9	94,5	93,2	0,8	1698,9	1,6	2,0	7,7	1612,0
YE4-355MB8	160	220	/	296,2	171,7	742	95,1	94,7	93,4	0,8	2059,3	1,6	2,0	7,7	1772,0
YE4-355LA-8	200	250	/	369,0	213,9	745	95,4	95,0	93,7	0,8	2563,8	1,6	2,0	7,8	2031,0

V.I.M.E.C. S.R.L.

Sede legale e operativa:

Strada delle Trincee, 15/F

37135, Verona (VR)

PIVA/CF: 02655560239

Tel: +39 045 8550789

Fax: +39 045 543002

info@e-vimec.it

www.e-vimec.it