

CATÁLOGO DE PRODUCTOS
Motores Imatesa

Trifásico CDF 2 Polos

Potencias: Desde 0.37 kW

Voltaje estándar: 400 V (otras tensiones opcionales)

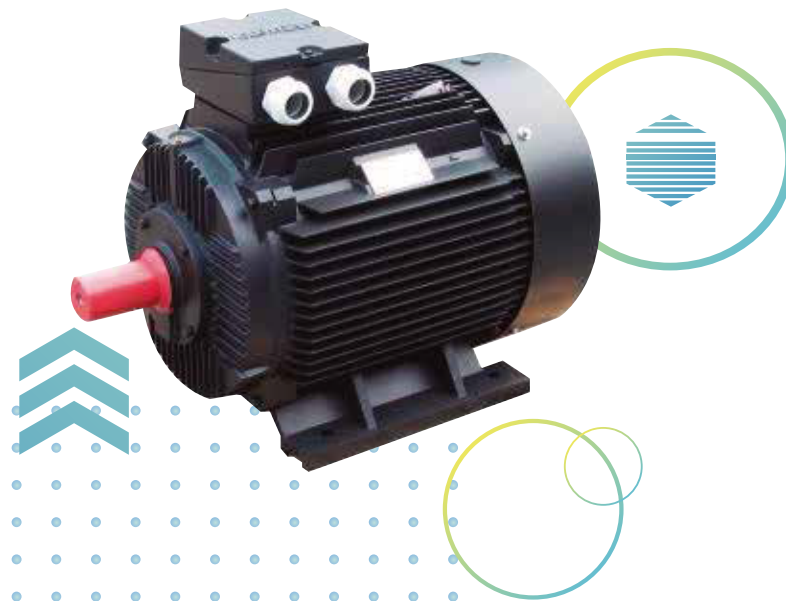
Frecuencia: 50 Hz

Velocidad: 3000/1500/1000 RPM

Tamaños Frame: 71 a 315

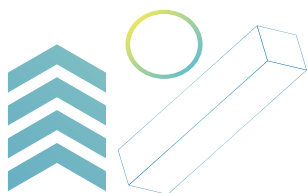
Montajes: IMB3 - B34 - B35

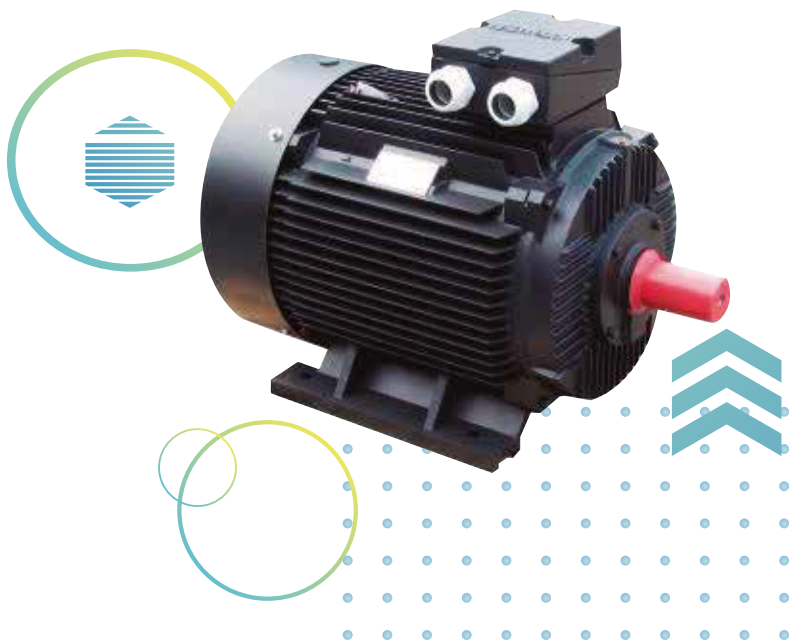
Eficiencia: IE1



Datos Técnicos de Motor modelo CDF 2 Polos

Modelo	Salida		Corriente (A)		Velocidad	Eff(%)	Factor de Potencia	Tstart/Tn	Ist/In	Tmax/Tn	Peso Kg B3
	KW	HP	380V	400V							
50Hz Velocidad síncronica 3000 r/min (2 polos)											
CDFE2-711-2	0.37	0.50	0.95	0.9	2750	72.3	0.82	2.4	6.1	2.5	5.0
CDFE2-712-2	0.55	0.75	1.33	2.3	2790	76	0.82	2.4	6.1	2.9	7.0
CDFE2-801-2	0.75	1	1.83	1.7	2845	76.1	0.83	2.4	7.0	2.5	13,7
CDFE2-802-2	1.1	1.5	2.6	2.5	2840	77	0.83	2.5	7.0	2.5	14,6
CDFE2-90S-2	1.5	2	3.5	3.3	2840	79	0.84	2.7	7.0	2.8	18,35
CDFE2-90L-2	2.2	3	4.8	4.6	2840	81	0.84	2.5	6.0	2.8	20,9
CDFE2-100L-2	3.0	4	6.4	8.0	2830	83	0.87	2.2	7.5	2.5	29,35
CDFE2-112M-2	4.0	5.5	8.1	7.7	2890	85	0.88	2.3	7.1	2.3	36,9
CDFE2-132S1-2	5.5	7.5	11	10.5	2910	86	0.88	2.3	7.5	2.5	52,1
CDFE2-132S2-2	7.5	10	15	14.3	2905	87.3	0.88	2.2	7.5	2.4	56,1
CDFE2-160M1-2	11.0	15	22	20	2935	88.6	0.89	2.3	7.7	3.1	108
CDFE2-160M2-2	15.0	20	29	27	2935	89.4	0.9	2.4	7.6	3.1	117,5
CDFE2-160L-2	18.5	25	35	33	2935	90.1	0.91	2.7	7.7	3.2	130,6
CDFE2-180M-2	22	30	41	39	2940	90.6	0.9	2	7.7	2.7	171
CDFE2-200L1-2	30	40	56	53	2945	91.6	0.9	2.1	6.9	2.8	220
CDFE2-200L2-2	37	50	68	64	2945	92.2	0.9	2.2	7.0	2.6	240
CDFE2-225M-2	45	60	81	77	2965	92.7	0.9	2.4	7.3	3.1	292,8
CDFE2-250M-2	55	75	100	95	2965	93.1	0.9	2.6	7.6	3.1	392
CDFE2-280S-2	75	100	134	127	2965	93.8	0.91	2.2	7.8	2.5	515,5
CDFE2-280M-2	90	125	160	152	2965	94.1	0.91	2.2	7.8	2.5	530,5
CDFE2-315S-2	100	150	196	186	2975	94.4	0.91	1.8	7.1	2.4	827
CDFE2-315M-2	132	180	234	222	2975	94.9	0.91	1.8	7.1	2.4	938





Trifásico CDF 4 Polos

Potencias: Desde 0.37 kW
 Voltaje estándar: 400 V (otras tensiones opcionales)
 Frecuencia: 50 Hz
 Velocidad: 3000/1500/1000 RPM
 Tamaños Frame: 71 a 315
 Montajes: IMB3 - B34 - B35
 Eficiencia: IE1

Datos Técnicos de Motor modelo CDF 4 Polos

Modelo	Salida		Corriente (A)		Velocidad	Eff(%)	Factor de Potencia	Tstart/Tn	Ist/In	Tmax/Tn	Peso Kg B3
	KW	HP	380V	400V							
50Hz Velocidad síncrona 1500 r/min (4 polos)											
CDFE2-711-4	0.25	0.34	0.83	0.73	1350	65	0.70	2.5	5.2	3	5.5
CDFE2-712-4	0.37	0.50	1.1	1	1340	67	0.75	2.5	5.2	3.1	6.0
CDFE2-801-4	0.55	0.75	1.5	1.4	1390	71	0.77	2.5	5.3	2.5	13
CDFE2-802-4	0.75	1.0	2	1.9	1380	74.4	0.77	2.5	5.3	2.5	13,9
CDFE2-90S-4	1.1	1.5	3	2.9	1390	76.3	0.75	2.5	4.7	2.3	17,55
CDFE2-90L-4	1.5	2	3.9	3.7	1390	78.5	0.76	2.2	5.2	2.6	21,1
CDFE2-100L1-4	2.2	3	5.2	4.9	1410	81.2	0.81	2.3	6.8	2.5	28,15
CDFE2-100L2	3	4	6.8	8.5	1410	82.8	0.82	2.3	7.1	2.5	31,75
CDFE2-112M-4	4	5.5	8.7	8.3	1440	84.2	0.82	2.3	6.4	2.6	39,9
CDFE2-132S1-4	5.5	7.5	12	11	1445	85.7	0.83	2.3	7	2.5	54
CDFE2-132S2-4	7.5	10	16	15	1445	87.2	0.84	2.3	7	2.5	64,7
CDFE2-160M1-4	11	15	23	22	1460	88.4	0.85	2.4	7	2.9	113,5
CDFE2-160M2-4	15	20	30	28	1460	89.5	0.85	2.6	7.6	2.9	135,8
CDFE2-180M-4	18.5	25	36	34	1470	90.5	0.87	2.2	7	3	167,2
CDFE2-180M-4	22	30	42	40	1470	91.0	0.87	2.2	7	2.7	179,2
CDFE2-200L1-4	30	40	58	55	1470	92.0	0.86	2.2	7.2	3	233,1
CDFE2-225S-4	37	50	70	66	1475	92.5	0.87	2.2	6.9	2.8	283,5
CDFE2-225M-4	45	60	85	80	1475	92.8	0.87	2.2	7	2.4	320,7
CDFE2-250M-4	55	75	103	98	1475	93.1	0.87	2.2	7.4	2.4	373
CDFE2-280S-4	75	100	140	133	1485	96.8	0.87	2.2	7.5	2.7	526,2
CDFE2-280M-4	90	125	167	159	1485	94.2	0.87	2.2	7.1	2.4	591,1
CDFE2-315S-4	110	150	201	191	1485	94.5	0.88	2.2	6.9	2.7	842
CDFE2-315M-4	132	180	241	229	1485	94.8	0.88	2.2	6.9	2.6	948

Trifásico CDF 6 Polos

Potencias: Desde 0.37 kW

Voltaje estándar: 400 V (otras tensiones opcionales)

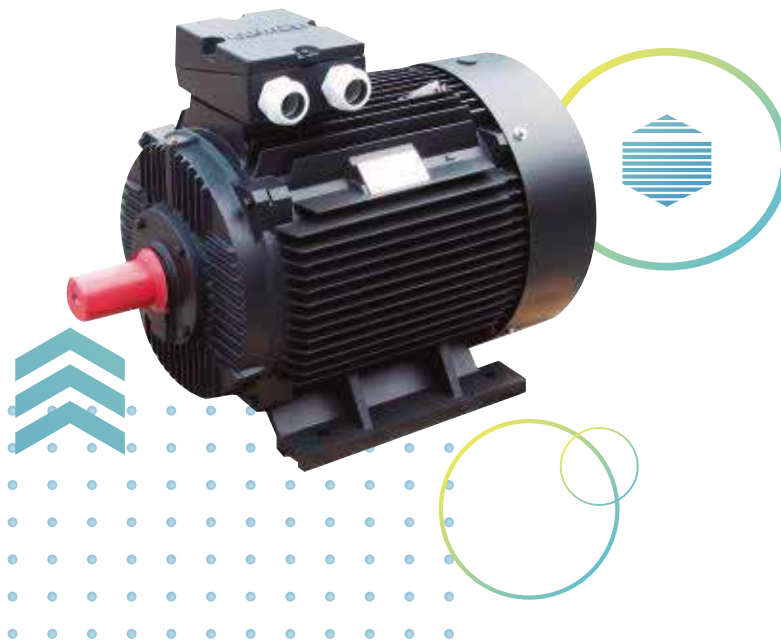
Frecuencia: 50 Hz

Velocidad: 3000/1500/1000 RPM

Tamaños Frame: 71 a 315

Montajes: IMB3 - B34 - B35

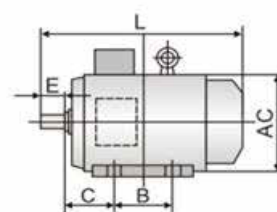
Eficiencia: IE1



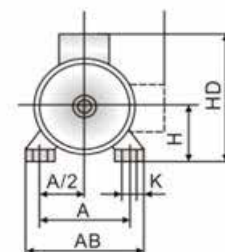
Datos Técnicos de Motor modelo CDF 6 Polos

Modelo	Salida		Corriente (A)		Velocidad	Eff(%)	Factor de Potencia	Tstart/Tn	Ist/In	Tmax/Tn	Peso Kg B3
	KW	HP	380V	400V							
50Hz Velocidad síncrona 1000 r/min (6 polos)											
CDFE2-801-6	0.37	0.5	1.20	1.1	895	62.5	0.76	2.0	4.7	2.1	13.5
CDFE2-802-6	0.55	0.75	1.7	1.5	895	69	0.76	2.0	4.7	2.1	14.5
CDFE2-90S-6	0.75	1	2.4	2.3	915	72.4	0.71	2.0	5.5	2.2	17.05
CDFE2-90L-6	1.1	1.5	3.3	3.1	915	75.2	0.72	2.0	5.5	2.2	19.1
CDFE2-100L-6	1.5	2	4.0	3.7	940	77.4	0.76	2.1	6.2	2.2	27.95
CDFE2-112M-6	2.2	3	5.5	5.0	980	79.8	0.76	2.2	5.0	2.2	36.1
CDFE2-132S-6	3	4	8	7.0	960	81.4	0.76	2.2	6.3	2.8	49.4
CDFE2-132M1-6	4	5.5	10	9.5	960	83.2	0.76	2.4	6.4	2.9	57.7
CDFE2-132M2-6	5.5	7.5	13	12.0	960	84.6	0.77	2.4	6.5	2.8	68.7
CDFE2-160M-6	7.5	10	17	16	970	86.2	0.78	2.0	6.5	2.3	109
CDFE2-160L-6	11	15	24	23	970	87.6	0.79	2.0	6.5	2.3	127.5
CDFE2-180L-6	15	20	31	29	970	89	0.83	2.1	7.0	2.2	169.5
CDFE2-200L1-6	18.5	25	38	38	975	90	0.82	2	6.5	2.8	215.3
CDFE2-200L2-6	22	30	45	42	975	90.4	0.83	2.1	6.5	2.7	226.5
CDFE2-225M-6	30	40	58	55	980	91.5	0.85	2.1	6.9	2.5	288.5
CDFE2-250M-6	37	50	71	68	980	92	0.86	2.3	6.9	2.3	385
CDFE2-280S-6	45	60	86	82	980	92.5	0.86	2.3	7.0	2.7	499.5
CDFE2-280M-6	55	75	105	100	980	92.9	0.86	2.3	7.0	2.7	526.5
CDFE2-315S-6	75	100	142	135	980	93.6	0.86	2.0	7.0	2.4	889
CDFE2-315M-6	90	125	170	160	935	93.9	0.86	2.0	7.0	2.4	939
CDFE2-315S-6	110	150	207	197	935	94.3	0.86	2.1	7.0	2.4	999
CDFE2-315M-6	132	180	245	233	935	94.8	0.87	2.1	7.0	2.3	1086

Downloaded from ascelibrary.org by University of California, San Diego on 06/01/15. Copyright ASCE, For All Rights Reserved, No part of this document may be reproduced without written permission from ASCE.



H160~335



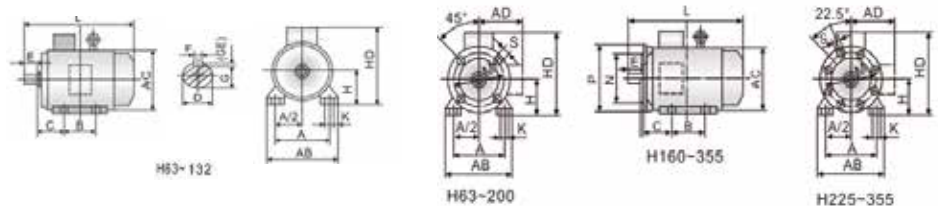
Carcasa	Polos	Dimensiones de Montaje										Dimensiones									
		A	A/2	B	C	D	E	F	G	H	K	AB	AC	AD	HD	L					
63	2, 4	100	50	80	40	11	23	4	8.5	63	7	135	130	70	180	225					
71	2, 4, 6	112	56	90	45	14	30	5	11	71		150	145	80	195	250					
80	2, 4, 6, 8	125	62.5	100	50	19	40	6	15.5	80	10	165	175	145	214	295					
90S		140	70	100	56	24	50	8	20	90		180	195	155	250	315					
90L				125							340										
100L		160	80	140	63	28	60		24	100	205	215	180	270	385						
112M		190	95	140	70					112	230	240	190	300	400						
132S		216	108	140	89	38	80	10	33	132	12	270	275	210	345	470					
132M				178												510					
160M		254	127	210	108	42	110	12	37	160	15	320	330	255	420	615					
160L				254												670					
180M		279	139.5	241	121	48		14	42.5	180	355	380	280	455	700						
180L				279												740					
200L		318	159	305	133	55	16	49	200	19	395	420	305	545	770						
225S	4, 8	356	178	286	149	60	140	18	53		225	435	470	335	555	815					
225M	2			311		55	110	16	49	820											
	4, 6, 8					60	18	53	845												
250M	2	406	203	349	168	65		140	58	250	490	510	370	615	910						
	4, 6, 8					65										58					
280S	2	457	228.5	368	190	75	20		67.5	280						24	550	580	410	680	985
	4, 6, 8					65	18	58	1035												
280M	2			419		75	20	67.5	315		28	635	645	530	845						1160
	4, 6, 8																				65
315S	2	508	254	406	216	65	140	18	58	315						730	710	655	1010	1500	
	4, 6, 8, 10					65	170	22	71											1300	
315M	2			508		457	560	254	65		140	18	58	355	1530						
	4, 6, 8, 10								65		140	18	58							1500	
315L	2	508	630	75	140	20	67.5		355	1530											
	4, 8										95	170	25			86	1500				
355M	2	610	305	560	254	75	140	20	67.5	355	730	710	655	1010	1500						
	4, 6, 8, 10					95	170	25	86						1530						
355L	2			630		75	140	20	67.5						355	1530					
	4, 6, 8-, 10																95	170	25	86	1530

Datos Técnicos de Motor

Modelo KE - IE2

Datos Tecnicos de Motor modelo KE													
Modelo	Salida		Corriente (A)		Velocidad	Eff(%)	Factor de Potencia	Nm	Tstart/Tn	Ist/In	Tmax/Tn	dB	Peso Kg B3
	KW	HP	380V	400V									
50Hz Velocidad síncronica 3000 r/min (2 polos)													
KE80M1-2	0.75	1.0	1.77	1.68	2865	77.4	0.83	2.50	2.3	6.8	2.3	62	14,6
KE80M2-2	1.1	1.5	2.43	2.31	2880	79.6	0.84	3.65	2.3	7.3	2.3	62	15,2
KE90S-2	1.5	2.0	3.19	3.03	2900	81.3	0.84	4.94	2.3	7.6	2.3	67	18,9
KE90L-2	2.2	3.0	4.59	4.36	2890	83.2	0.85	7.27	2.5	7.6	2.3	67	22
KE100L-2	3	4.0	6.04	5.74	2890	84.8	0.87	9.91	2.5	8.1	2.3	74	31,8
KE112M-2	4	5.5	7.9	7.51	2910	85.8	0.88	13.1	2.5	8.3	2.3	77	39,1
KE132M1-2	5.5	7.5	10.7	10.2	2920	87.0	0.88	18.0	2.2	8.0	2.3	79	57,2
KE132S2-2	7.5	10	14.5	13.8	2920	88.1	0.89	24.5	2.2	7.8	2.3	79	62,2
50Hz Velocidad síncronica 1500 r/min (4 polos)													
KE80M2-4	0.75	1.0	1.95	1.76	1435	79.8	0.75	4.99	2.6	6.5	2.3	56	15
KE90S-4	1.1	1.5	2.59	2.46	1435	81.4	0.75	7.32	2.8	6.6	2.3	59	18,8
KE90L-4	1.5	1.0	3.48	3.35	1440	82.8	0.75	9.95	2.8	6.9	2.3	59	23,9
KE100L1-4	2.2	3.0	4.77	4.53	1450	84.3	0.81	14.5	2.6	7.5	2.3	64	31,7
KE100L2-4	3	4.0	6.35	7.98	1455	85.5	0.82	19.8	2.6	7.6	2.3	64	34
KE112M-4	4	5.5	8.4	6.04	1450	86.6	0.82	26.3	2.6	7.7	2.3	65	41,2
KE132S-4	5.5	7.5	11.3	10.7	1460	87.7	0.83	36.0	2.6	7.5	2.3	71	58,2
KE132M-4	7.5	10	15.1	14.3	1460	88.7	0.83	49.1	2.6	7.4	2.3	71	71,5
50Hz Velocidad síncronica 1000 r/min (6 polos)													
KE90S-6	0.75	1.0	2.04	1.94	950	75.0	0.72	7.54	2.1	5.8	2.1	57	18,2
KE90L-6	1.1	1.5	2.87	2.73	950	78.1	0.73	11.1	2.1	5.9	2.1	57	21,7
K100L-6	1.5	2.0	3.73	3.54	950	79.5	0.74	15.1	2.1	6.0	2.1	61	30,7
KE112M-6	2.2	3.0	5.30	5.04	955	81.8	0.74	22.0	2.1	6.0	2.1	65	38,7
KE132S-6	3	4.0	7.10	6.75	970	83.3	0.74	29.5	2.3	6.2	2.1	69	54
KE132M1-6	4	5.5	9.30	8.84	970	84.6	0.74	39.4	2.4	6.8	2.1	69	66,4
KE132M2-6	5.5	7.5	12.4	11.8	970	86	0.75	54.1	2.5	7.1	2.1	69	75,4
KE160M-6	7.5	10	16.6	15.8	976	87.2	0.78	73.4	2.6	6.7	2.1	70	124,5

Dimensiones B3 Y 35



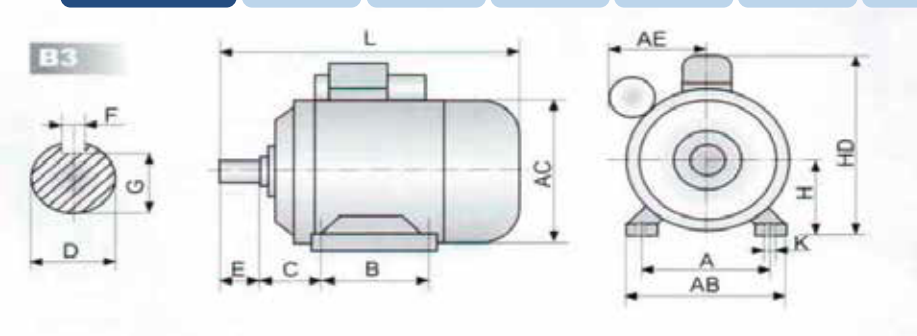
Carcasa	Flange	Polos	Dimensiones de Montaje															Dimensiones				
			A	A/2	B	C	D	E	F	G	H	K	M	N	P	S	T	AB	AC	AD	HD	L
80	FF165	2.4.6.8	125	62.5	100	50	19	40	6	15.5	80	10	165	130	200	12	3.5	165	175	145	220	305
90S			140	70	100	56	24	50	8	20	90							180	195	155	260	360
90L			125	390																		
100L	FF215		160	80	140	63	28	60				24	100	12	180	250	15	4	205	215	180	270
112M			190	95	140	70			112	230	240		190						300	470		
132S	FF265		216	108	140	89	38	80	10	33	132		12						265	230	300	15
132M			178	560																		
160M	FF300		254	127	210	108	42	110				12		37	160	15	300	250				
160L			254	670																		

Datos Técnicos de Motor Monofásico

Modelo YC Tensión 220-50 HZ / 2-4 polos /

Datos Tecnicos de Motor modelo YC									
Modelo	Potencia		Corriente (A)	Factor de Potencia	Eficiencia	Velocidad r'min	Tstart/Tn	Ist/In	Tmax/Tn
	KW	HP							
50Hz Velocidad de síncrona 3000 r/min (2 polos)									
YC711-2	0.18	1/4	1.9	0.70	63.0	2800	3.0	6.5	2.0
YC712-2	0.25	1/3	2.4	0.72	65.0	2800	3.0	6.5	2.0
YC80A-2	0.37	1/2	3.5	0.74	66.0	2840	3.0	6.5	2.0
YC80B-2	0.55	3/4	5.04	0.74	67.0	2850	3.0	6.5	2.0
YC80C-2	0.75	1	6.68	0.75	68.0	2850	3.0	6.5	2.0
YC90S-2	1.1	1.5	8.93	0.80	70.0	2650	2.8	7.0	2.0
YC90L-2	1.5	2	11.4	0.82	73.0	2870	2.9	7.0	2.0
YC100L-2	2.2	3	16.5	0.82	74.0	2900	2.5	7.0	2.0
YC112M1-2	3	4	21.4	0.84	76.0	2900	2.2	7.0	2.0
YC112M2-2	3.7	5	24.8	0.86	79.0	2900	2.2	7.0	2.0
50Hz Velocidad de síncrona 1500 r/min (4 polos)									
YC711-4	0.12	1/5	1.9	0.58	48.0	1400	3.0	6.0	2.0
YC712-4	0.16	1/4	2.7	0.60	50.0	1400	3.0	6.0	2.0
YC80A-4	0.25	1/3	3.52	0.62	52.0	1400	3.0	6.0	2.0
YC80B-4	0.37	1/2	4.69	0.64	56.0	1400	3.0	6.0	2.0
YC80C-4	0.55	3/4	6.9	0.65	60.0	1400	3.0	6.0	2.0
YC90S-4	0.75	1	7.5	0.72	63.0	1400	2.8	6.5	2.0
YC90L-4	1.1	1.5	10.4	0.72	67.0	1420	2.8	6.5	2.0
YC100L-4	1.5	2	13.0	0.73	72.0	1440	2.8	6.5	2.0
YC112M-4	2.2	3	18.5	0.74	73.0	1450	2.5	6.5	2.0
YC132S1-4	3	4	22.4	0.80	76.0	1450	2.2	6.5	2.0
YC132S2-4	3.7	5	26.0	0.82	79.0	1450	2.2	6.5	2.0

Dimensiones Montaje General Motor Monofásico YC



Dimensiones de Montaje en general Motor Monofasico YC																					
Frame	Dimensiones de Montaje (mm)															Dimernsion General					
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	L	
71	112	90	45	14	30	5	11	71	7	130	110	160	0	10	3.5	145	145	140	180	255	
80	125	100	50	19	40	6	15.5	80	10	165	130	200	0	12	3.5	160	165	150	200	295	
90S	140	100	56	24	50	8	20	90	10	165	130	200	0	12	3.5	180	185	160	240	370	
90L	140	125	56	24	50	8	20	90	10	165	130	200	0	12	3.5	180	185	160	240	400	
100L	160	140	63	28	60	8	24	100	12	215	180	250	0	15	4.0	205	220	180	260	430	
112M	190	140	70	28	60	8	24	112	12	215	180	250	0	15	4.0	245	250	190	300	455	
132S	216	140	89	38	80	10	33	132	12	265	230	300	0	15	4.0	280	290	210	350	525	
132M	216	178	89	38	80	10	33	132	12	265	230	300	0	15	4.0	280	290	210	350	553	



Santa Rosa 5699,
San Miguel, Santiago de Chile
Teléfono: (56-2) 2 2758000
www.imatesa.cl / ventas@imatesa.cl