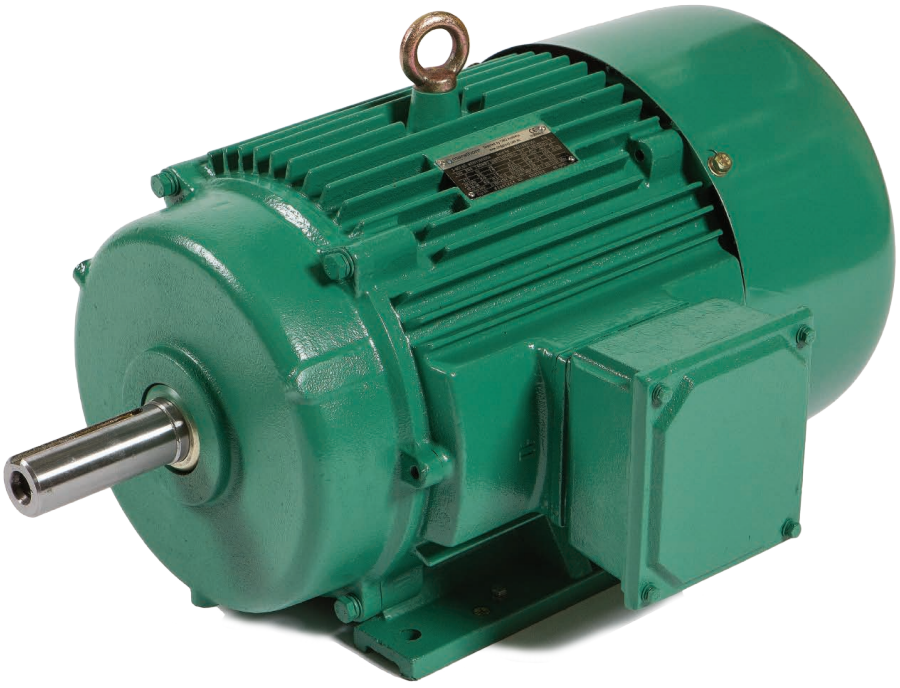
REGAL

XGA SERIES
HIGH EFFICIENCY
CAST IRON MOTORS



MOTORS

marathon™ Motors

REGAL

www.regalaustralia.com.au

We convert power into motion to make the world run more efficiently

REGAL

industrial motors | single phase motors | dc motors | motor starters & control | gearboxes | brakes & clutches
power transmission | insulation & conductors | air systems | generators | diecasting | gearbox service & repair

Facts about Regal

100 YEARS RUNNING STRONG

Our Heritage

- Established in Wisconsin, USA in 1955. Officially listed on the NY Stock Exchange in 2005.
- Born in 1913, Marathon have gained over 100 years experience in design and manufacture of electric motors and generators.

  Marathon has built their legacy on innovation combining magnetics and motors into a single leading technology. Their use of Magnology™ has led to the motor industry's first axial & radial flux motors used in pumping applications.
- Unico has been providing innovative motion control solutions since 1967. With operations in 10 countries, Unico drives incorporate application specific features & functions not found in general purpose drives.

Product Range

Broad product range covering the complete offering from motors, motor control & drives, gearboxes, brakes and couplings through to winding wire, insulation material, cables and varnishes. A one stop shop for complete electro mechanical, power transmission and speed control solutions.

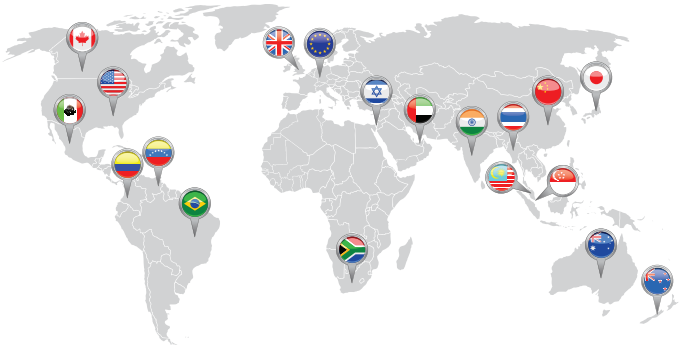
Local Expertise

Our Local Presence

- National company with 8 branches Australia wide
- 5 modifications centres; VIC, NSW, QLD, SA & WA
- Local engineering & R&D support teams
- Providing local expertise, support and product customisation to you and your customers

National Sales
1300 888 853

ilac-MRA NATA Accreditation No. 14396 ISO 9001 BUREAU VERITAS Certification



Worldwide Presence

The ability to meet our customers' needs around the world.

- 25,000 employees
- 63 manufacturing locations
- 16 design centres
- All accessible to our 'Regal' customers.

marathon™ Motors CMG marathon™ Generators genteq® FASCO TRANSMISSION AUSTRALIA UNICO® OBA insulations conductors

Marathon XGA series high efficiency cast iron motors Sizes 80 to 280, 0.75 to 110 kW, three phase

Regal Australia's XGA series motors are an ideal example of Regal Australia's enhanced performance motors. Manufactured in our state of the art facility, Regal Australia has developed the Marathon XGA series to meet the demands of more efficient electric motors. The Marathon XGA series complies with Australian standards for high efficiency (MEPS2).

Motor design

Featuring a cast iron body and end shields the XGA series is ideal for most applications including mining, industrial and agriculture. Low temperature rise ensures the XGA series will perform well in all applications and is backed by a two-year warranty.

MEPS2 compliance (High Efficiency)

The XGA range is designed in accordance with AS/NZS 1359.5.2004 for high efficiency motors, equivalent to IE3 (Premium Efficiency) under IEC Standard 60034-30.

Standards and specifications

The main dimensions and rated outputs of the XGA series generally conform to Australian Standard AS/NZS1359 (CENELEC kW-frame size allocation table) and International Standards IEC 60034 and IEC 60072.

Operating parameters

Standard XGA motors are designed with the following parameters:

- Continuous duty (S1)
- Three phase 380-415 Volts, 50Hz power supply
- Ambient temperatures up to 40°C
- Installation at altitudes up to 1000 metres
- Connection:
  230 Volt Delta/400 Volt Star (3kW and below)
  400 Volt Delta/690 Volt Star (4kW and above)

Performance data is based on these parameters and may need adjustment for different requirements.

F class insulation

XGA series motors have F class insulation and B class temperature rise (80K). This design feature allows the motor to run cooler and increases the thermal margin ensuring longer running life.

Degree of protection

Standard level of enclosure protection is IP55; increased ratings to IP66 are available upon request.

Paint finish

Standard surface finish is high quality enamel with final colour being Patina Green (RAL 6000), other colours are available upon request.

Bearings

As standard, frame sizes 80 to 180 have high quality deep groove ball bearings and are sealed for life. Frame sizes 200 to 280 use an open type bearing allowing for regreasing of the motor during operation. Grease nipples are fitted to the end shields with the grease relief blanked off by means of a removable plug.

Motor frame	Bearing Size (DE / NDE)	
80	6204ZZ	6204ZZ
90	6205ZZ	6205ZZ
100	6206ZZ	6206ZZ
112	6306ZZ	6306ZZ
132	6308ZZ	6206ZZ
160 - 2	6209ZZ	6209ZZ
160 - 4,6,8	6309ZZ	6209ZZ
180 - 2	6211ZZ	6211ZZ
180 - 4,6,8	6311ZZ	6210ZZ
200 - 2	6212	6212
200 - 4,6,8	6312	6311
225 - 2	6312	6312
225 - 4,6,8	6314	6313
250 - 2	6313	6313
250 - 4,6,8	6316	6315
280 - 2	6314	6314
280 - 4, 6, 8	6319	6317

Terminal box

As standard the terminal box for the XGA series is located on the right hand of the motor with the conduit entries facing to the bottom when viewed from the drive end. Alternatively the terminal box can be rotated for left hand

Product code specification

When placing an order the motor product code should be specified. The product code of the motor is composed in accordance with the following example:

M	3	4	0 0 1 5 0	3	X G A	
1	2	3	4-8	9	10 - 12	13

Position 1
M = metric frame size

Position 2
Phase
3 = three phase single speed motor

Position 3
Number of poles
2 = 2 poles **4** = 4 poles
6 = 6 poles

Positions 4 to 8
Rated power output
(kW x 100)

Position 9
Mounting arrangement
1 = V1 **3**= B3
4 = B3/B5 **5**= B5
6 = B3/B14A **7**= B14A
8 = B3/B14B **9**= B14B

Positions 10 to 12
Series
XGA = Regal Australia XGA series motors

Positions 13
Variation suffix
Blank = Standard

Performance data

XGA series, Three phase, 380 - 415V 50 Hz
IP55, F class insulation

			400V 50Hz													
			Efficiency				Power factor				Current		Torque			
			at % full load				at % full load									
Motor Frame	**kW**	Speed [r/min]	125 [%]	**100 [%]**	75 [%]	50 [%]	125 [%]	**100 [%]**	75 [%]	50 [%]	Full load I_N [A]	Locked rotor I_L/I_N	Full load T_N [Nm]	Locked rotor T_L/T_N	Break down T_B/T_N	Weight of foot mount motor [kg]
3000 r/min = 2 poles																
XGA 80A	0.75	2880	80.7	**82.5**	82.9	81.0	0.85	**0.80**	0.73	0.60	1.6	7.6	2.5	3.3	3.6	20
XGA 80B	1.1	2880	82.9	**84.8**	85.5	84.5	0.87	**0.84**	0.77	0.66	2.28	8.3	3.6	3.5	3.9	21
XGA 90S	1.5	2890	84.4	**86.2**	87.3	86.9	0.88	**0.85**	0.80	0.69	3.04	7.7	5	3	3.5	26
XGA 90L	2.2	2880	84.7	**86.5**	87.5	87.1	0.90	**0.88**	0.83	0.74	4.33	7.9	7.3	3.2	3.9	29
XGA 100L	3	2890	85.9	**87.8**	89.4	89.6	0.91	**0.90**	0.86	0.79	5.64	8.3	9.9	2.9	3.5	37
XGA 112M	4	2905	86.4	**88.4**	89.7	90.0	0.93	**0.92**	0.89	0.83	7.45	8.2	13.1	2.5	3.5	44
XGA 132S	5.5	2920	88.1	**89.4**	90.2	89.8	0.89	**0.88**	0.84	0.76	9.8	6.6	18	2	3.3	82
XGA 132SB	7.5	2910	88.4	**90.1**	91.3	91.5	0.90	**0.89**	0.87	0.80	13	6.5	24.6	1.9	3.1	86
XGA 160M	11	2950	90.5	**91.3**	91.6	90.8	0.90	**0.89**	0.86	0.78	18.9	7.8	35.6	2.6	3.5	142
XGA 160MB	15	2950	91.0	**91.9**	92.4	92.0	0.89	**0.88**	0.84	0.76	25.9	7.8	48.6	2.6	3.5	150
XGA 160L	18.5	2955	91.7	**92.4**	92.7	91.9	0.89	**0.88**	0.85	0.76	31.7	8.0	59.8	2.7	3.5	168
XGA 180M	22	2965	92.1	**92.7**	92.9	92.1	0.88	**0.87**	0.83	0.74	38.2	8.3	70.9	2.7	3.7	210
XGA 200L	30	2970	93.1	**93.5**	93.6	92.7	0.89	**0.87**	0.84	0.75	51.1	8.2	96.5	2.6	3.7	272
XGA 200LB	37	2975	93.1	**93.7**	93.8	92.9	0.89	**0.89**	0.85	0.77	62.1	8.4	119	2.5	3.9	300
XGA 225M	45	2975	93.6	**94.0**	94.0	93.0	0.90	**0.89**	0.86	0.79	75.3	8.1	144	2.5	3.7	386
XGA 250M	55	2975	94.1	**94.3**	94.1	93.1	0.90	**0.89**	0.85	0.78	91.6	9.2	177	3.3	4.2	562
XGA 280S	75	2985	94.9	**94.9**	94.5	93.3	0.90	**0.89**	0.87	0.81	123.3	8.2	240	2.8	3.8	792
XGA 280M	90	2985	94.7	**95.0**	94.9	94.0	0.90	**0.90**	0.87	0.81	147.2	8.4	288	3	4.1	858
XGA1 280MB*	110	2985	95.2	**95.3**	95.1	94.0	0.90	**0.90**	0.88	0.82	178.7	8.1	352	2.8	3.7	892

*The output of this motor is one step higher than the basic design with rated outputs in accordance with CENELEC

Performance data

XGA series, Three phase, 380 - 415V 50 Hz
IP55, F class insulation

			400V 50Hz													
			Efficiency				Power factor				Current		Torque			
			at % full load				at % full load									
Motor Frame	**kW**	Speed [r/min]	125 [%]	**100 [%]**	75 [%]	50 [%]	125 [%]	**100 [%]**	75 [%]	50 [%]	Full load I_N [A]	Locked rotor I_L/I_N	Full load T_N [Nm]	Locked rotor T_L/T_N	Break down T_B/T_N	Weight of foot mount motor [kg]
1500 r/min = 4 poles																
XGA 80B	0.75	1430	80.6	**82.9**	84.0	83.2	0.77	**0.72**	0.65	0.53	1.72	6.1	5	2.7	3	22
XGA 90S	1.1	1435	84.1	**85.0**	84.9	82.8	0.82	**0.77**	0.69	0.56	2.47	7.6	7.3	3.4	3.9	27
XGA 90L	1.5	1440	84.6	**85.8**	86.1	84.4	0.83	**0.79**	0.71	0.58	3.25	7.9	9.9	4.2	4.3	32
XGA 100LA	2.2	1475	85.7	**86.9**	86.9	87.4	0.83	**0.80**	0.80	0.74	4.51	8.1	14.2	2.8	3.1	38
XGA 100LB	3	1450	87.1	**88.2**	88.5	87.0	0.84	**0.81**	0.75	0.61	6.01	8.6	19.8	2.8	3.8	42
XGA 112M	4	1440	87.0	**88.6**	89.3	88.6	0.85	**0.83**	0.78	0.67	8.14	6.7	26.5	2	3	48
XGA 132S	5.5	1465	88.5	**89.8**	90.4	89.8	0.82	**0.80**	0.76	0.67	10.7	5.1	35.9	1.6	2.6	91
XGA 132M	7.5	1460	88.7	**90.4**	91.5	91.6	0.83	**0.82**	0.79	0.71	14	5.3	49.1	1.6	2.6	97
XGA 160M	11	1465	90.6	**91.4**	91.7	90.7	0.83	**0.80**	0.75	0.65	20.9	5.6	71.7	2.2	2.7	140
XGA 160L	15	1465	91.2	**92.1**	92.5	92.0	0.82	**0.80**	0.75	0.63	28.4	6.1	97.8	2.3	3	170
XGA 180M	18.5	1475	91.8	**92.7**	93.1	92.7	0.84	**0.82**	0.77	0.66	34.1	5.9	120	2.2	2.9	211
XGA 180L	22	1480	92.8	**93.1**	92.8	91.7	0.82	**0.76**	0.68	0.57	43.2	6.7	142	2.6	3.5	241
XGA 200L	30	1480	92.7	**93.6**	94.1	93.9	0.85	**0.85**	0.82	0.73	52.6	5.8	194	1.6	2.8	290
XGA 225S	37	1480	93.3	**94.0**	94.1	93.5	0.85	**0.84**	0.80	0.71	65.5	6.0	239	1.9	2.9	373
XGA 225M	45	1485	93.5	**94.2**	94.5	93.9	0.81	**0.82**	0.79	0.70	81.1	6.3	289	2	3	423
XGA 250M	55	1485	94.3	**94.6**	94.7	93.9	0.87	**0.87**	0.84	0.75	93.4	7.9	354	2.6	3.6	570
XGA 280S	75	1490	94.6	**95.0**	95.2	94.7	0.88	**0.88**	0.85	0.78	125.5	6.7	481	2.5	3.5	820
XGA 280M	90	1490	94.9	**95.2**	95.2	94.5	0.88	**0.87**	0.85	0.78	150.4	7.1	577	3	3.6	905
XGA1 280MB*	110	1490	95.2	**95.5**	95.6	95.1	0.88	**0.87**	0.84	0.76	184.2	7.6	705	2.9	3.6	983

*The output of this motor is one step higher than the basic design with rated outputs in accordance with CENELEC

Performance data

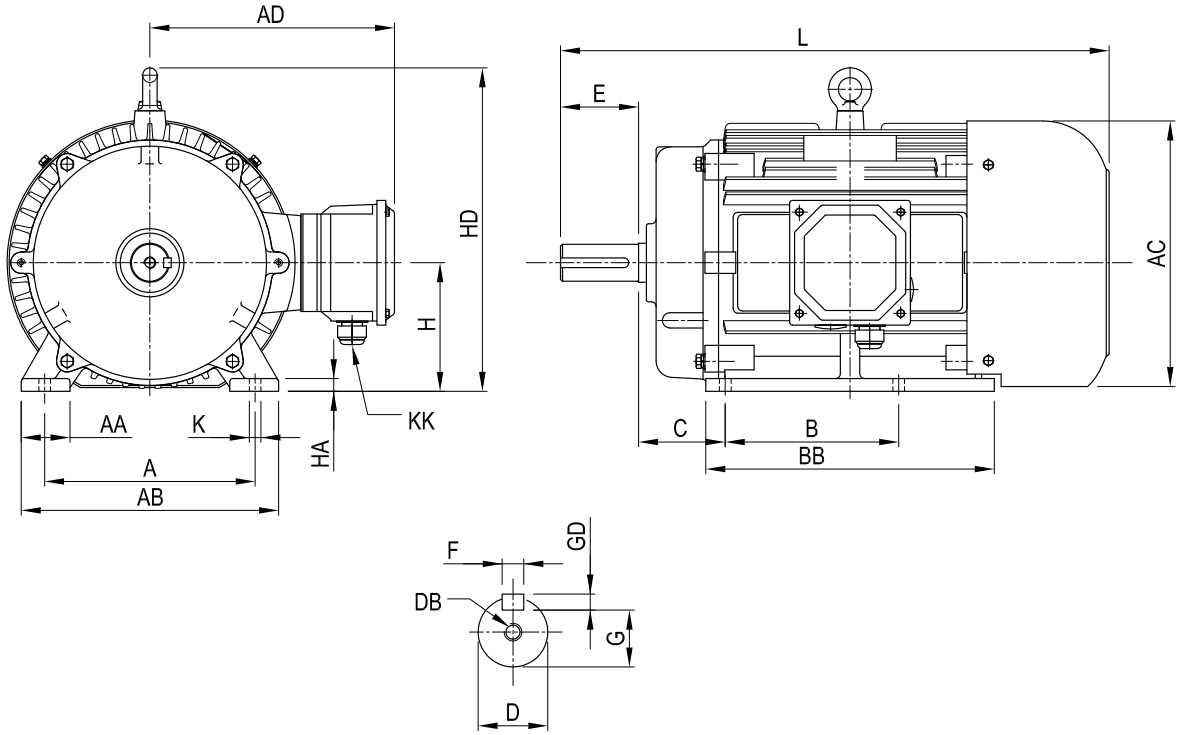
XGA series, Three phase, 380 - 415V 50 Hz
IP55, F class insulation

Motor Frame	kW	Speed [r/min]	400V 50Hz Efficiency at % full load 125 [%]	**100 [%]**	75 [%]	50 [%]	Power factor at % full load 125 [%]	**100 [%]**	75 [%]	50 [%]	Current Full load I_N [A]	Locked rotor I_L/I_N	Torque Full load T_N [Nm]	Locked rotor T_L/T_N	Break down T_B/T_N	Weight of foot mount motor [kg]
1000 r/min = 6 poles																
XGA 90S	0.75	930	77.3	**79.8**	80.9	79.3	0.78	**0.73**	0.64	0.52	1.91	4.8	7.7	2.3	2.6	27
XGA 90L	1.1	930	81.3	**82.9**	83.3	80.8	0.80	**0.75**	0.66	0.51	2.69	5.6	11.3	2.8	2.8	29
XGA 100L	1.5	950	81.0	**83.0**	83.6	82.0	0.78	**0.74**	0.66	0.53	3.55	6.1	15.1	2.2	3	37
XGA 112M	2.2	955	82.5	**84.3**	85.1	83.7	0.77	**0.72**	0.65	0.52	5.1	5.9	22	2.1	2.8	47
XGA 132S	3	970	83.9	**85.8**	86.9	86.5	0.76	**0.74**	0.69	0.58	6.6	5.6	29.5	1.8	2.6	76
XGA 132M	4	975	85.0	**86.8**	87.7	87.1	0.77	**0.75**	0.71	0.61	8.5	6.0	39.2	2.3	2.6	85
XGA 132MB	5.5	970	86.1	**88.0**	89.2	89.0	0.76	**0.75**	0.70	0.61	11.7	5.8	54.1	1.7	2.7	94
XGA 160M	7.5	975	88.0	**89.2**	89.7	88.8	0.78	**0.76**	0.70	0.59	15.5	4.6	73.5	1.5	2.6	151
XGA 160L	11	980	88.7	**90.3**	90.8	90.1	0.73	**0.73**	0.67	0.56	23.2	5.0	107	1.6	2.5	168
XGA 180L	15	980	90.3	**91.2**	91.6	90.9	0.76	**0.74**	0.68	0.57	31	5.0	146	2	2.6	226
XGA 200L	18.5	985	90.8	**91.8**	92.2	91.7	0.79	**0.78**	0.74	0.64	36	4.6	179	1.5	2.4	267
XGA 200LB	22	985	91.2	**92.2**	92.6	91.8	0.78	**0.78**	0.74	0.65	42.8	4.3	213	1.7	2.3	288
XGA 225M	30	985	92.1	**92.9**	93.1	92.5	0.82	**0.81**	0.77	0.67	55.8	5.7	291	2.1	2.8	408
XGA 250M	37	990	92.6	**93.3**	93.5	92.8	0.83	**0.81**	0.77	0.67	68.2	6.0	357	2.3	2.9	520
XGA 280S	45	990	93.2	**93.8**	94.1	93.6	0.84	**0.84**	0.81	0.73	79.9	5.7	434	1.7	2.6	701
XGA 280M	55	990	93.5	**94.1**	94.2	93.5	0.85	**0.84**	0.82	0.74	96.4	6.5	531	1.9	2.9	752
XGA1 280MB*	75	990	94.2	**94.6**	94.8	94.2	0.85	**0.85**	0.82	0.74	130.1	6.8	723	2	2.9	868

*The output of this motor is one step higher than the basic design with rated outputs in accordance with CENELEC

Dimensional drawings

Foot mount B3 (IM1001)



CENELEC Frame allocations

Motor frame		A	AA	AB	AC	AD	B	BB	C	D	DB	E	F	GD	G	H	HA	HD	K	KK	L
80	**-19**	125	35	160	172	165	100	150	50	19	M6	40	6	6	15.5	80	10	170	10	2 x M20 x 1.5	310
90S	**-24**	140	36	176	185	170	100	160	56	24	M8	50	8	7	20	90	12	195	10	2 x M20 x 1.5	340
90L	**-24**	140	36	176	185	170	125	185	56	24	M8	50	8	7	20	90	12	195	10	2 x M20 x 1.5	365
100L	**-28**	160	40	200	205	185	140	215	63	28	M10	60	8	7	24	100	14	245	12	2 x M20 x 1.5	410
112M	**-28**	190	50	240	225	190	140	225	70	28	M10	60	8	7	24	112	15	265	12	2 x M25 x 1.5	460
132S	**-38**	216	50	264	292	251	140	257	89	38	M12	80	10	8	33	132	13	336	12	2 x M25 x 1.5	527
132M	**-38**	216	50	264	292	251	178	296	89	38	M12	80	10	8	33	132	13	336	12	2 x M25 x 1.5	563
160M	**-42**	254	65	309	345	290	210	323	108	42	M16	110	12	8	37	160	15	390	15	2 x M32 x 1.5	686
160L	**-42**	254	65	309	345	290	254	353	108	42	M16	110	12	8	37	160	15	390	15	2 x M32 x 1.5	716
180M	**-48**	279	70	349	384	310	241	400	121	48	M16	110	14	9	42.5	180	17	435	15	2 x M40 x 1.5	756
180L	**-48**	279	70	349	384	310	279	430	121	48	M16	110	14	9	42.5	180	17	435	15	2 x M40 x 1.5	786
200L	**-55**	318	73	390	436	357	305	446	133	55	M20	110	16	10	49	200	19	482	19	2 x M50 x 1.5	834
225S	**-60**	356	75	431	482	369	286	460	149	60	M20	140	18	11	53	225	26	545	19	2 x M50 x 1.5	910
225M	**-60**	356	76	431	482	369	311	505	149	60*	M20	140*	18*	11*	53*	225	26	545	19	2 x M50 x 1.5	960*
250M	**-65**	406	80	484	531	422	349	545	168	65*	M20	140*	18*	11*	58*	250	26	620	24	2 x M50 x 1.5	1028*
280S	**-75**	457	85	542	589	498	368	650	190	75*	M20	140*	20*	12*	67.5*	280	36	692	24	2 x M50 x 1.5	1191*
280M	**-75**	457	85	542	589	498	419	650	190	75*	M20	140*	20*	12*	67.5*	280	36	692	24	2 x M50 x 1.5	1191*

High Output Design - CENELEC +1 frame allocations (XGA1)

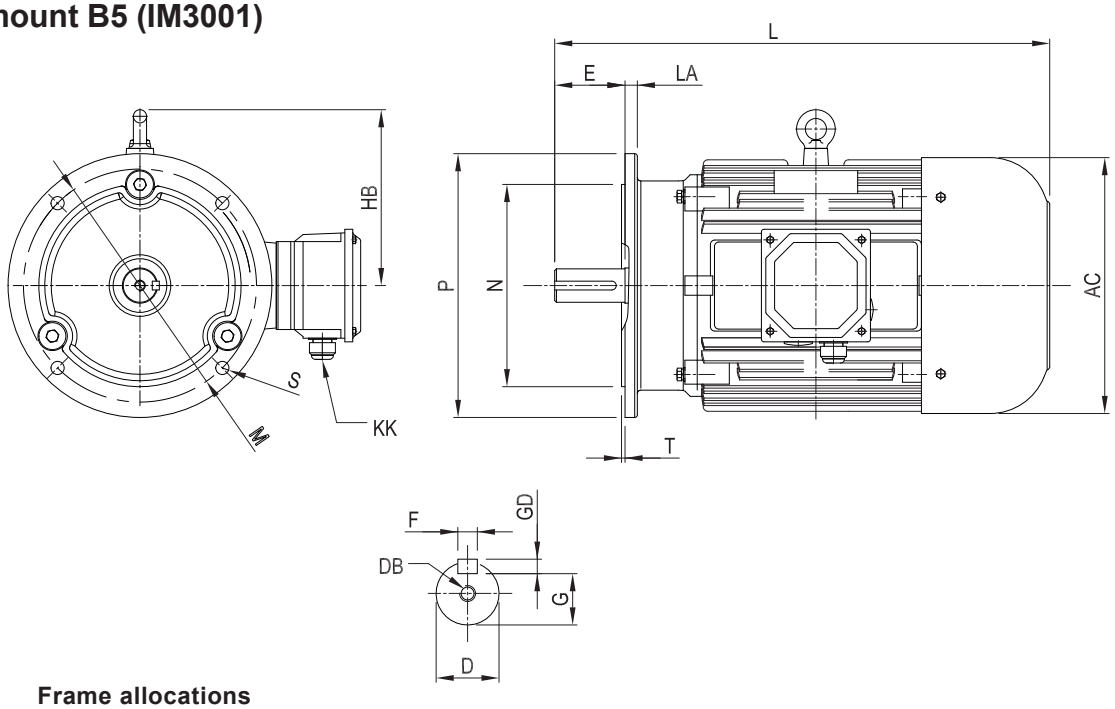
280MB	**-80**	457	85	542	589	498	419	650	190	80*	M20	140*	22*	14*	71.0*	280	36	692	24	2 x M50 x 1.5	1191

*** 2 Pole Variances**

Motor frame		D	E	F	GD	G	L
225M	**-55**	55	110	16	10	49	930
250M	**-60**	60	140	18	11	58	1028
280S	**-65**	65	140	18	11	58	1191
280M	**-65**	65	140	18	11	58	1191

Dimensional drawings

Flange mount B5 (IM3001)



CENELEC Frame allocations

Motor frame		AC	AD	D	DB	E	F	GD	G	HB	KK	L	LA	M	N	P	S	T
80	**-19**	172	165	19	M6	40	6	6	15.5	90	2 x M20 x 1.5	310	12	165	130	200	12	3.5
90S	**-24**	185	170	24	M8	50	8	7	20	105	2 x M20 x 1.5	340	12	165	130	200	12	3.5
90L	**-24**	185	170	24	M8	50	8	7	20	105	2 x M20 x 1.5	365	12	165	130	200	12	3.5
100L	**-28**	205	185	28	M10	60	8	7	24	145	2 x M20 x 1.5	410	12	215	180	250	15	4.0
112M	**-28**	225	190	28	M10	60	8	7	24	153	2 x M25 x 1.5	460	12	215	180	250	15	4.0
132S	**-38**	292	251	38	M12	80	10	8	33	205	2 x M25 x 1.5	527	15	265	230	300	15	4.0
132M	**-38**	292	251	38	M12	80	10	8	33	205	2 x M25 x 1.5	563	15	265	230	300	15	4.0
160M	**-42**	345	290	42	M16	110	12	8	37	233	2 x M32 x 1.5	686	16	300	250	350	19	5.0
160L	**-42**	345	290	42	M16	110	12	8	37	233	2 x M32 x 1.5	716	16	300	250	350	19	5.0
180M	**-48**	384	310	48	M16	110	14	9	42.5	251	2 x M40 x 1.5	756	18	300	250	350	19	5.0
180L	**-48**	384	310	48	M16	110	14	9	42.5	251	2 x M40 x 1.5	786	18	300	250	350	19	5.0
200L	**-55**	436	357	55	M20	110	16	10	49	257	2 x M50 x 1.5	834	18	350	300	400	19	5.0
225S	**-60**	482	369	60	M20	140	18	11	53	265	2 x M50 x 1.5	910	20	400	350	450	19	5.0
225M	**-60**	482	369	60*	M20	140*	18*	11*	53*	265	2 x M50 x 1.5	960*	20	400	350	450	19	5.0
250M	**-65**	531	422	65*	M20	140*	18*	11*	58*	364	2 x M50 x 1.5	1028*	22	500	450	550	19	5.0
280S	**-75**	589	498	75*	M20	140*	20*	12*	67.5*	410	2 x M50 x 1.5	1191*	22	500	450	550	19	5.0
280M	**-75**	589	498	75*	M20	140*	20*	12*	67.5*	410	2 x M50 x 1.5	1191*	22	500	450	550	19	5.0

High Output Design - CENELEC +1 frame allocations (XGA1)

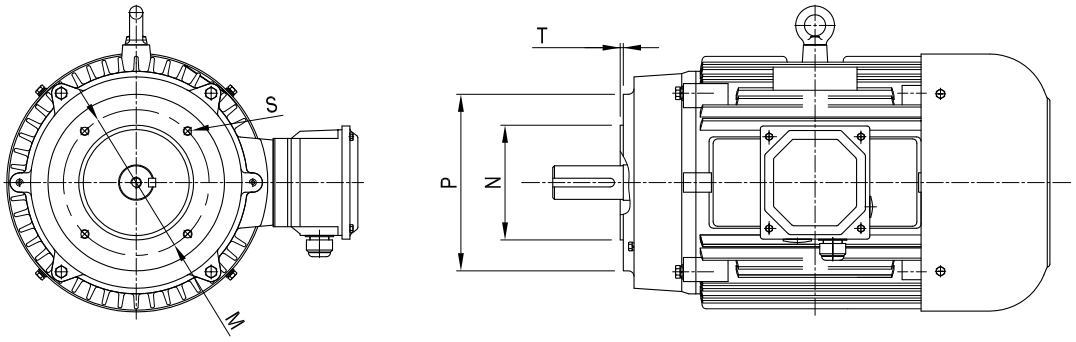
280MB	**-80**	589	498	80*	M20	140	22	14*	71.0*	410	2 x M50 x 1.5	1191*	22	500	450	550	19	5.0

***2 Pole variances**

Motor frame		E	F	GD	G	L
225M	**-55**	110	16	10	49	930
250M	**-60**	140	18	11	53	1028
280S	**-65**	140	18	11	58	1191
280M	**-65**	140	18	11	58	1191

Dimensional drawings

Face mount B14A (IM3601)



CENELEC		Frame allocations				
Motor frame		M	N	P	S	T
80	**-19**	100	80	120	M6	3
90S	**-24**	115	95	140	M8	3
90L	**-24**	115	95	140	M8	3
100L	**-28**	130	110	160	M8	3.5
112M	**-28**	130	110	160	M8	3.5
132S	**-38**	165	130	200	M10	3.5
132M	**-38**	165	130	200	M10	3.5

For motor frame and shaft dimensions, please refer to flange mount B5 dimensional drawings (Page 8)

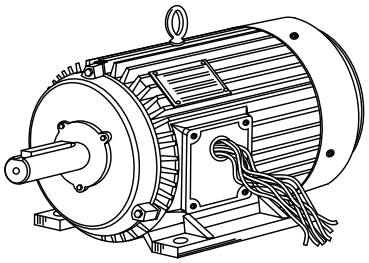
XGA Modification options

Additional to these motor ranges Regal Australia offer a large array of modifications available on order. These modifications are outlined below.

Terminal box

XGA motors come standard with a terminal box on the right hand side viewed from drive end. The following alternatives are available:

- Left hand terminal box - **XGAL**
- Removed terminal box (fitted with a blanking plate and threaded conduit entry. Extended leads, including earth connector) - **XGAF**



Extended leads: 1.5m
No. of power leads: 3+1 for up to 3kW, 6+1 for 4kW and above

Motor frame	Conduit size
80-132	M25 x 1.5
160-180	M32 x 1.5
200-280	M50 x 1.5

Bearings

Regal Australia can address applications where bearings need special consideration. Attention may need to be given to the following:

- Bearing monitors
- Alternative bearing types
- Low/high temperature bearing grease
- Oil seals
- Non contact labyrinth seals
- Insulated bearings.

Shafts

XGA motors come standard with a single output shaft to Australian standard dimensions. The following alternatives are available:

- Double shaft extension
- Special shaft extension
- Stainless steel shaft material type

Environmental considerations

Where environmental factors need special consideration Regal Australia can provide the following modifications:

- Winding temperature monitors and thermistors
- Anti-condensation heaters
- Separately powered cooling blowers
- Tropic proofing
- Special paint finish
- Stainless steel name plates
- Higher Ingress Protection ratings, IP56, IP65 and IP66
- High thermal capacity motors – XGAH with H class insulation.

Special performance

Regal Australia has the ability to provide XGA motors with special windings. These may include:

- Windings for alternative operating voltages and frequencies
- Windings designed for increased outputs and short time ratings.

Accessories

Accessories available for Regal Australia XGA motors include:

- Slide rails (refer opposite page)
- VVVF drives
- Alternative paint colours
- Rain cowls
- Uni-directional and bi-directional low-noise fans.

Testing services

Regal Australia can provide both type test certificates and individual motor test reports on any Regal Australia XGA motor. Testing can be carried out by Regal Australia in our own NATA and ILAC accredited test laboratory.

ilac-MRA NATA

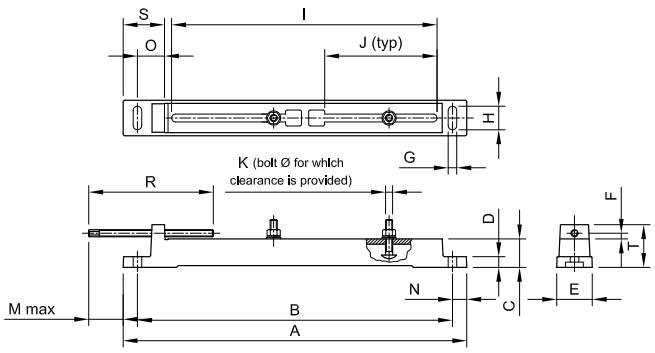
Accreditation No. 14396

Type test reports and outline drawings of standard motors are available at **www.regalaustralia.com.au**

Slide rails

Slide rails are designed for motor position adjustment when belt drives are used. Applications include tension adjustment for belt driven equipment.

Regal Australia stock slide rails to suit frame sizes 80 to 315. Rail sets are manufactured from cast iron and provided with mounting bolts and nuts between motor and rail.



Slide rail dimensions

Slide rail product code	To suit motor frame	Dimensions [mm]																	Weight per set [kg]
		A	B	C	D	E	F	G	H	I	J	K	M	N	O	R	S	T	
MR080090	80 & 90	380	328	30	15	48	10	15	25	245	95	8	75	25	40	145	65	50	3
MR100132	100, 112 & 132	475	425	37	19	70	10	14	35	340	150	10	135	26	42	200	68	62	6.5
MR160180	160 & 180	567	515	48	19	72	11	18	35	390	162	12	115	28	57	200	85	70	10
MR200225	200 & 225	790	730	60	32	92	16	20	20	610	265	16	200	30	60	290	90	92	22
MR250280	250 & 280	945	870	70	38	105	16	21	21	725	305	20	240	35	70	350	105	110	40
MR315355	315 & 355	1220	1115	125	40	122	22	30	30	920	420	24	285	50	105	450	155	170	105

Regal Australia are proud to offer a one stop shop for complete electro mechanical, power transmission and speed control systems.

Our broad product range covers the complete offering from motors, motor control & drives, gearboxes, brakes and couplings through to winding wire, insulation material, cables and varnishes to name a few.

Please ask your Regal sales representative further information on Regal products.

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