

ELECTRICAL GROUP

- Many different models available
- Competitive price for various applications (DC, AC, Open, ODP, TENV, TEAO, SMAC - AMAC)

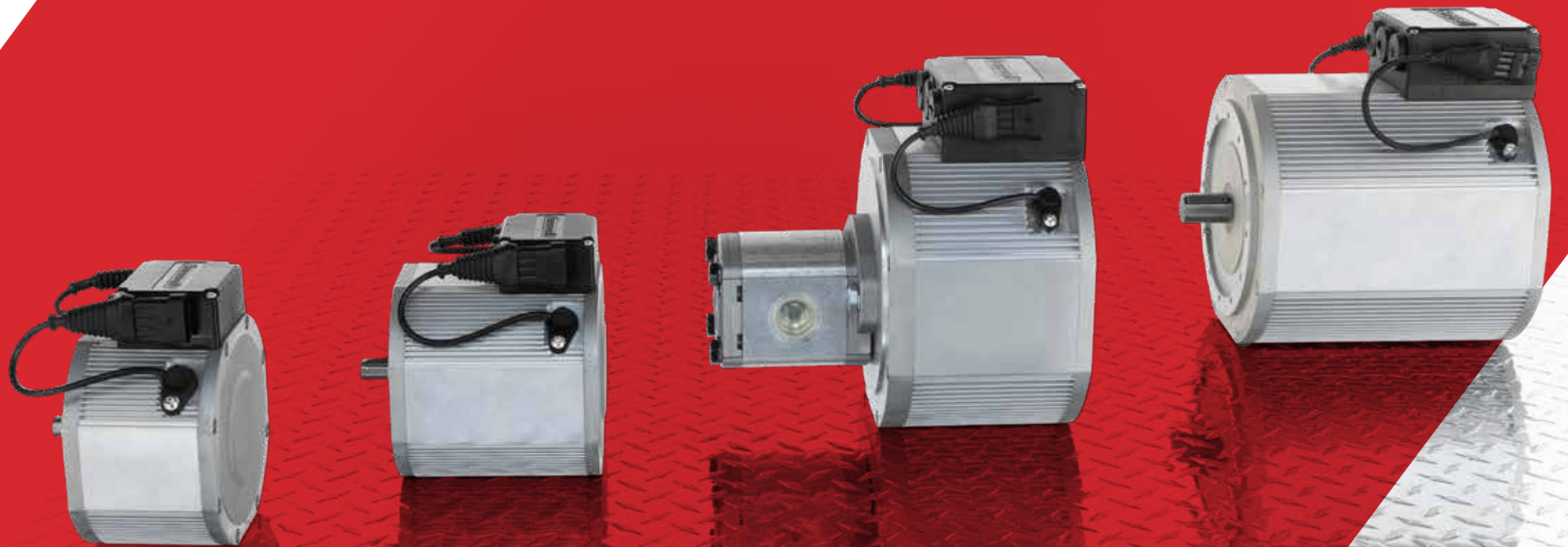


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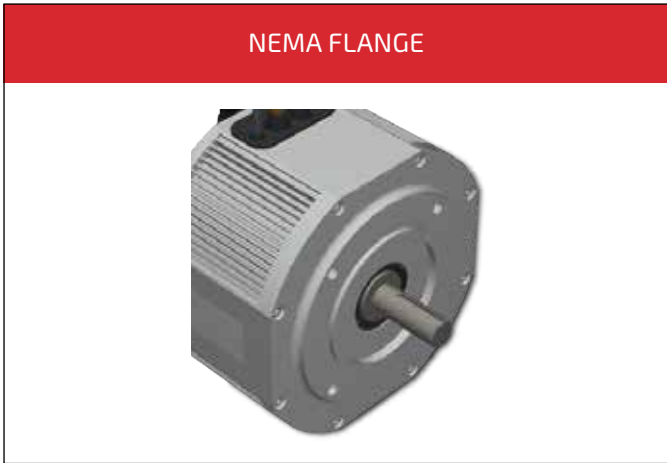
TRACTION MOTORS

- Scalable design
- Lightweight
- Waterproof
- IEC, NEMA and SAE flanges
- Integrated temperature sensor
- Synchronous – IPM and SPM versions
- Synchronous – High efficiency and power density
- Asynchronous – High efficiency
- Asynchronous – Integrated encoder



TRACTION MOTORS

FLANGES



TRACTION MOTORS

ASYNCHRONOUS (AMAC MOTORS)

TECHNICAL CHARACTERISTICS	
Motor type	Asynchronous induction motor
Power range (continuous)	0.3 to 20kW
Power peak	Up to 30kW
Voltage range	24 to 650 VDC battery
Torque range (continuous)	2Nm - 65Nm
Torque peak	Up to 130Nm
Pole numbers	4 standards
Speed sensor	Incremental 64p/r
Thermal sensor	KTY84-130
Protection	IP54 to IP69K
Thermal insulation class	F
Connections	Standard : terminal box (optional : special harness)
Cooling	Air or liquid cooled
Mounting orientation	IEC, NEMA, SAE with or without foot
General standard	Complies with IEC 60034



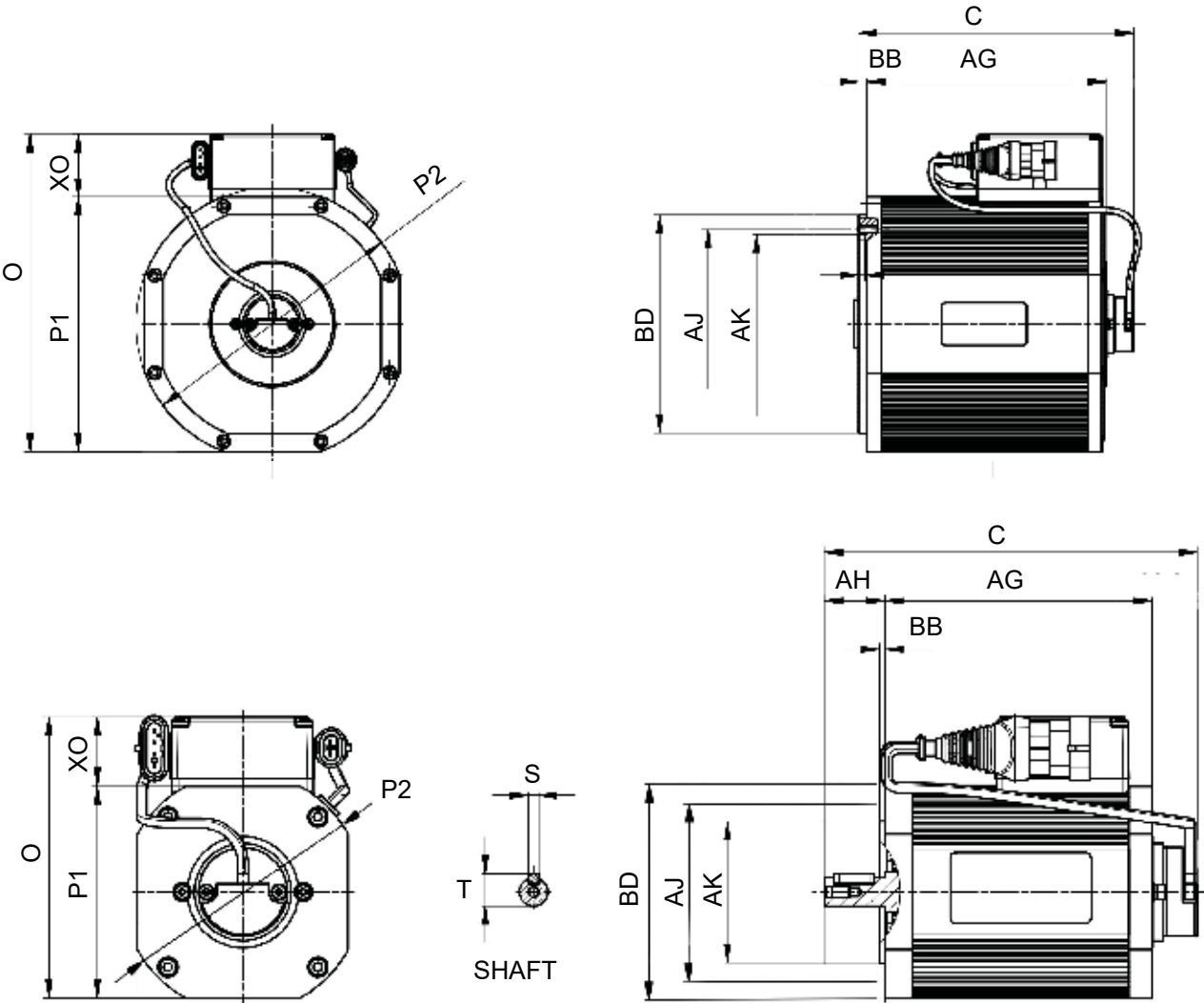
TRACTION MOTORS

ASYNCHRONOUS (AMAC MOTORS)

Model	Figure	Shaft type	S	T	Bolt pattern	AH	AK (pilot)	AJ (bolt circle)
AMAC 125-035-17	1	14mm j6	5	16.5	8xM6	27.5	102.5 G8	95
AMAC 125-035-34	1	14mm j6	5	16.5	8xM6	27.5	102.5 G8	95
AMAC 125-075-08	1	14mm j6	5	16.5	8xM6	27.5	102.5 G8	95
AMAC 125-075-16	1	14mm j6	5	16.5	8xM6	27.5	102.5 G8	95
AMAC 125-100-05	1	14mm j6	5	16.5	8xM6	27.5	102.5 G8	95
AMAC 125-100-10	1	14mm j6	5	16.5	8xM6	27.5	102.5 G8	95
AMAC 125-130-05	1	14mm j6	5	16.5	8xM6	27.5	102.5 G8	95
AMAC 125-130-10	1	14mm j6	5	16.5	8xM6	27.5	102.5 G8	95
AMAC 200-050-05	2	Hollow spline Z19 24/48 SAE B92.1	-	-	12xM6	8.5	148.4 H8	156.36
AMAC 200-050-10	2	Hollow spline Z19 24/48 SAE B92.1	-	-	12xM6	8.5	148.4 H8	156.36
AMAC 200-090-04	2	Hollow spline Z19 24/48 SAE B92.1	-	-	12xM6	8.5	148.4 H8	156.36
AMAC 200-090-09	2	Hollow spline Z19 24/48 SAE B92.1	-	-	12xM6	8.5	148.4 H8	156.36
AMAC 200-125-05	2	Hollow spline Z19 24/48 SAE B92.1	-	-	12xM6	8.5	148.4 H8	156.36
AMAC 200-125-06	2	Hollow spline Z19 24/48 SAE B92.1	-	-	12xM6	8.5	148.4 H8	156.36
AMAC 200-165-04	2	Hollow spline Z19 24/48 SAE B92.1	-	-	12xM6	8.5	148.4 H8	156.36

Model	Output power	Battery voltage	Rated speed	Current FLA / S2 - 60 min.	Nominal torque / S2 - 60 min.	Efficiency
	kW	VDC	RPM	A	Nm	%
AMAC - 125 035 17	0.6	24	2450	31	2.3	78
AMAC - 125 035 34	0.6	48	2450	16.5	2.3	78
AMAC - 125 075 08	1.2	24	2450	69	4.8	79
AMAC - 125 075 16	1.2	48	2450	35	4.8	79
AMAC - 125 100 05	1.5	24	2500	TBD	5.7	80
AMAC - 125 100 10	1.5	48	2500	TBD	5.7	80
AMAC - 125 130 05	1.7	24	2300	88	7.1	82
AMAC - 125 130 10	1.7	48	2300	44	7.1	82
AMAC - 200 050 05	3	24	2700	149	10.6	83
AMAC - 200 050 10	3	48	2700	72.5	10.6	83
AMAC - 200 090 04	4	24	1690	210	22.5	84
AMAC - 200 090 09	4	48	1500	105	25.5	84
AMAC - 200 125 05	5	36	1150	177	41.4	82
AMAC - 200 125 06	6.5	48	1500	177	41.4	85
AMAC - 200 165 04	10	48	2200	245	50.3	87
AMAC - 200 165 07	10	80	1900	139	50.3	87
AMAC - 200 165 08	10	96	2000	122	50.3	87
AMAC - 200 125 06	10	600	1900	18.5	50.3	85
AMAC - 200 200 07	19	80	3000	243	61	87
AMAC - 200 200 08	19	96	3000	243	61	85
AMAC - 200 200 20	19	400	3000	48.5	61	87

BB	BD	AG	C	O	P1	P2	XO
4	126	140.5	201.5	174	140	150	34
4	126	140.5	201.5	174	140	150	34
4	126	180.5	244	174	140	150	34
4	126	180.5	244	174	140	150	34
4	126	205.5	269	174	140	150	34
4	126	205.5	269	174	140	150	34
4	126	235.5	299	174	140	150	34
4	126	235.5	299	174	140	150	34
7	180	187.5	194.5	262	210	225.1	52
7	180	187.5	194.5	262	210	225.1	52
7	180	227.5	234.5	262	210	225.1	52
7	180	227.5	234.5	262	210	225.1	52
7	180	262.5	269.5	262	210	225.1	52
7	180	262.5	269.5	262	210	225.1	52
7	180	302.5	309.5	262	210	225.1	52



TRACTION MOTORS

SYNCHRONOUS (SMAC MOTORS)

TECHNICAL CHARACTERISTICS	
Motor type	Asynchronous induction motor
Power range (continuous)	0.2 kW to 30 kW
Power peak	Up to 80 kW
Voltage range	24 to 650 VDC battery
Torque range (continuous)	1 Nm - 95 Nm
Torque peak	Up to 270 Nm
Magnet materials	NeFeB rare earth magnets
Pole numbers	4 to 10 poles
Speed sensor	SinCos
Thermal sensor	KTY84-130
Protection	IP54 to IP69K
Thermal insulation class	F
Connections	Standard : terminal box (optional : special harness)
Cooling	Air or liquid cooled
Mounting orientation	IEC, NEMA, SAE with or without foot
General standard	Complies with IEC 60034



TRACTION MOTORS

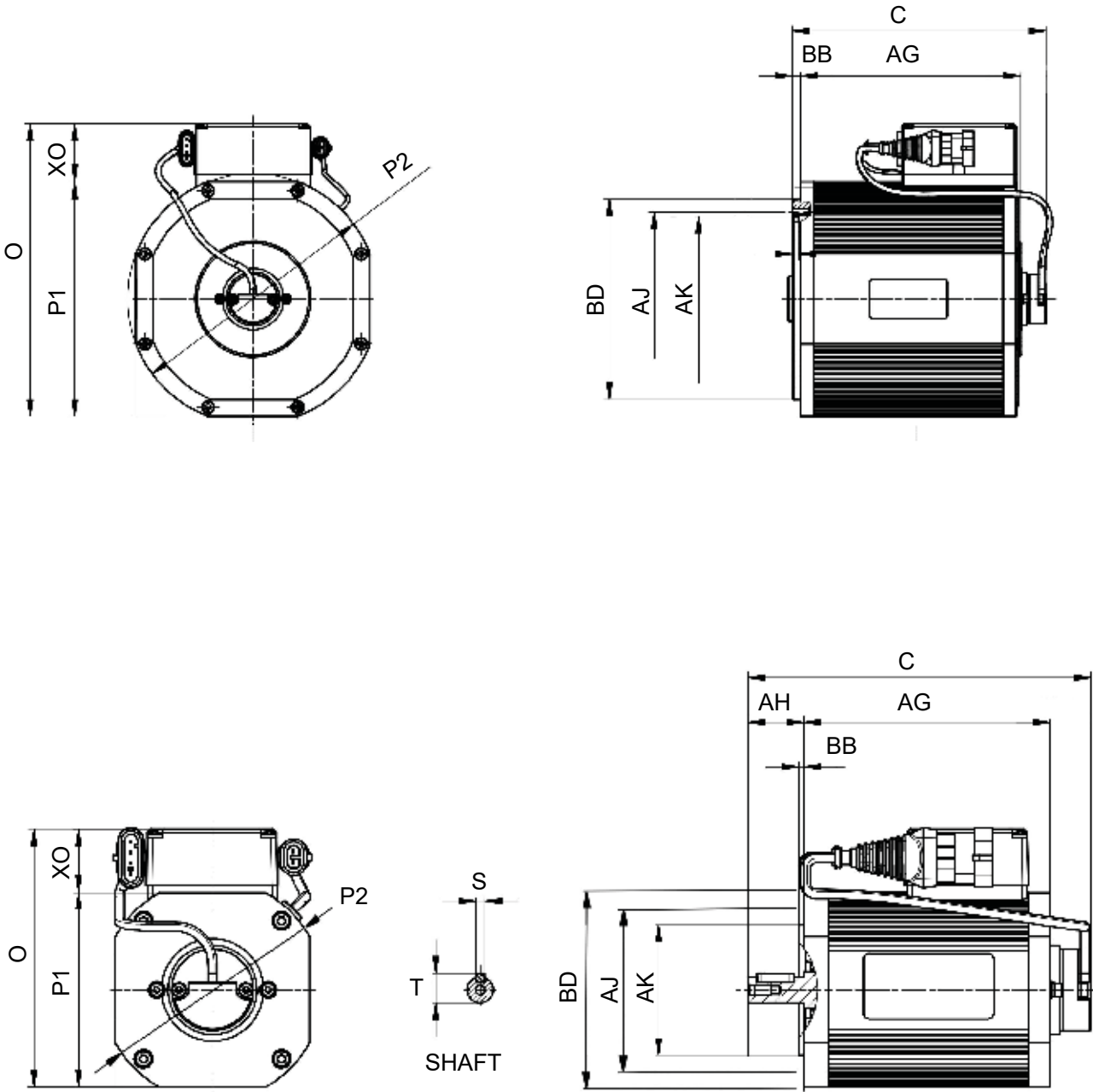
SYNCHRONOUS (SMAC MOTORS)

Model	Output power	Battery voltage**	Rated speed	Current FLA / S2 - 60 min.	Nominal torque / S2 - 60 min.	Efficiency
	kW	VDC	RPM	A	Nm	(%)
SMAC 077 025 A4	0.25	48	5000	7	0.75	84
SMAC 077 050 52	0.575	48	5000	14	1.1	88
SMAC 096 025 36	0.5	24	5000	20	1	89
SMAC 096 025 70	0.5	48	5000	10.5	1	89
SMAC 096 050 36	1	24	5000	40	2.1	92
SMAC 096 050 38	1	48	5000	20	2.1	92
SMAC 132 025 40	1.5	24	3000	73	4.3	89
SMAC 132 025 90	1.5	48	3000	34	4.3	85
SMAC 132 025 40	1.5	80	3000	19	4.3	85
SMAC 132 050 24	2.2	24	3000	95	7	89
SMAC 132 050 48	2.2	48	3000	47	7	89
SMAC 132 050 80	2.2	80	3000	30	7	89
SMAC 132 075 16	3	24	3000	130	9.5	92
SMAC 132 075 32	3	48	3000	65	9.5	93
SMAC 132 075 52	3	80	3000	39	9.5	92
SMAC 200 035 19	5.5	24	3000	250	17.5	93
SMAC 200 035 28E	5.5	48	3000	TBD	17.5	93
SMAC 200 035 28G	6.4	80	3500	85	17.5	94
SMAC 200 035 28H	6.4	96	3500	85	17.5	94
SMAC 200 052 28E	7.5	48	3000	150	24	94
SMAC 200 052 28G	6.3	80	2500	80	24	95
SMAC 200 052 28H	7.5	96	3000	80	24	95
SMAC 200 070 28E	8	48	2500	155	32	96
SMAC 200 070 28G	10	80	3000	148	30	96
SMAC 200 070 36P	10	400	3000	24	30	96
SMAC 200 070 30T	10	600	3000	17	30	96
SMAC 200 105 19E	9	48	2000	210	44	96
SMAC 200 105 19G	13	80	3000	210	42	96
SMAC 200 105 28H	13	96	3000	140	42	96
SMAC 200 157 19E	8.5	48	1250	190	64	97
SMAC 200 157 19H	16.5	96	2500	190	64	97
SMAC 200 210 19E	10	48	1000	230	95	96
SMAC 200 210 19G	20	80	2000	230	95	97
SMAC 200 210 19H	20	96	2000	230	95	97
SMAC 200 210 19M	20	120	2000	210	95	97
SMAC 200 210 28H	30	400	3500	75	95	97

** Other voltages available upon request

TRACTION MOTORS

SYNCHRONOUS (SMAC MOTORS)



TRACTION MOTORS

SYNCHRONOUS (SMAC MOTORS)

Model	Figure	Shaft type	S	T	Bolt pattern	AH	AK (pilot)	AJ (bolt circle)
SMAC 077-025-A4	1	14mm j6	5	16	4xM6	30	70 j6	85
SMAC 077-050-52	1	14mm j6	5	16	4xM6	30	70 j6	85
SMAC 096-025-36	1	14mm j6	5	16	4xM6	30	70 j6	85
SMAC 096-025-70	1	14mm j6	5	16	4xM6	30	70 j6	85
SMAC 096-050-36	1	14mm j6	5	16	4xM6	30	70 j6	85
SMAC 096-050-38	1	14mm j6	5	16	4xM6	30	70 j6	85
SMAC 132-025-40	1	14mm j6	5	16	8xM6	27.5	102.5 G8	95
SMAC 132-025-90	1	14mm j6	5	16	8xM6	27.5	102.5 G8	95
SMAC 132-050-24	1	14mm j6	5	16	8xM6	27.5	102.5 G8	95
SMAC 132-050-48	1	14mm j6	5	16	8xM6	27.5	102.5 G8	95
SMAC 132-050-80	1	14mm j6	5	16	8xM6	27.5	102.5 G8	95
SMAC 132-075-16	1	14mm j6	5	16	8xM6	27.5	102.5 G8	95
SMAC 132-075-32	1	14mm j6	5	16	8xM6	27.5	102.5 G8	95
SMAC 132-075-52	1	14mm j6	5	16	8xM6	27.5	102.5 G8	95
SMAC 200-035-19	2	Hollow spline Z19 24/48 SAE B92.1	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-035-28E	2	Hollow spline Z19 24/48 SAE B92.2	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-035-28G	2	Hollow spline Z19 24/48 SAE B92.3	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-035-28H	2	Hollow spline Z19 24/48 SAE B92.4	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-052-28E	2	Hollow spline Z19 24/48 SAE B92.5	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-052-28G	2	Hollow spline Z19 24/48 SAE B92.6	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-052-28H	2	Hollow spline Z19 24/48 SAE B92.7	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-070-28E	2	Hollow spline Z19 24/48 SAE B92.8	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-070-28G	2	Hollow spline Z19 24/48 SAE B92.9	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-070-36P	2	Hollow spline Z19 24/48 SAE B92.10	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-070-30T	2	Hollow spline Z19 24/48 SAE B92.11	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-105-19E	2	Hollow spline Z19 24/48 SAE B92.12	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-105-19G	2	Hollow spline Z19 24/48 SAE B92.13	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-105-28H	2	Hollow spline Z19 24/48 SAE B92.14	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-157-19E	2	Hollow spline Z19 24/48 SAE B92.15	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-157-19H	2	Hollow spline Z19 24/48 SAE B92.16	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-210-19E	2	Hollow spline Z19 24/48 SAE B92.17	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-210-19G	2	Hollow spline Z19 24/48 SAE B92.18	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-210-19H	2	Hollow spline Z19 24/48 SAE B92.19	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-210-19M	2	Hollow spline Z19 24/48 SAE B92.20	-	-	12xM6	8.5	148.4 H8	156.36
SMAC 200-210-28H	2	Hollow spline Z19 24/48 SAE B92.21	-	-	12xM6	8.5	148.4 H8	156.36

*All dimensions are in millimeters. Refer to drawings on previous page.

BB	BD	AG	C	O	P1	P2	XO
2.5	105	130.3	192.3	85	85	85	0
2.5	105	140.3	202.3	138.7	85	85	0
2.5	104.5	107.5	159.7	138.7	104.5	112	34.2
2.5	104.5	107.5	159.7	138.7	104.5	112	34.2
2.5	104.5	132.5	184.7	138.7	104.5	112	34.2
2.5	104.5	132.5	184.7	138.7	104.5	112	34.2
4	126	99.5	192.5	174.2	140	146	34.2
4	126	99.5	192.5	174.2	140	146	34.2
4	126	124.5	217.5	174.2	140	146	34.2
4	126	124.5	217.5	174.2	140	146	34.2
4	126	124.5	217.5	174.2	140	146	34.2
5.5	126	148	241	174.2	140	146	34.2
5.5	126	148	241	174.2	140	146	34.2
5.5	126	148	241	174.2	140	146	34.2
7	180	128	157.3	262	210	225	52
7	180	128	157.3	262	210	225	52
7	180	128	157.3	262	210	225	52
7	180	128	157.3	262	210	225	52
7	180	145	174.3	262	210	225	52
7	180	145	174.3	262	210	225	52
7	180	145	174.3	262	210	225	52
7	180	163	192.3	262	210	225	52
7	180	163	192.3	262	210	225	52
7	180	163	192.3	262	210	225	52
7	180	163	192.3	262	210	225	52
7	180	198	227.3	262	210	225	52
7	180	198	227.3	262	210	225	52
7	180	198	227.3	262	210	225	52
7	180	250.5	279.7	262	210	225	52
7	180	250.5	279.7	262	210	225	52
7	180	303	332.2	262	210	225	52
7	180	303	332.2	262	210	225	52
7	180	303	332.2	262	210	225	52
7	180	303	332.2	262	210	225	52

AC ELECTRIC MOTORS

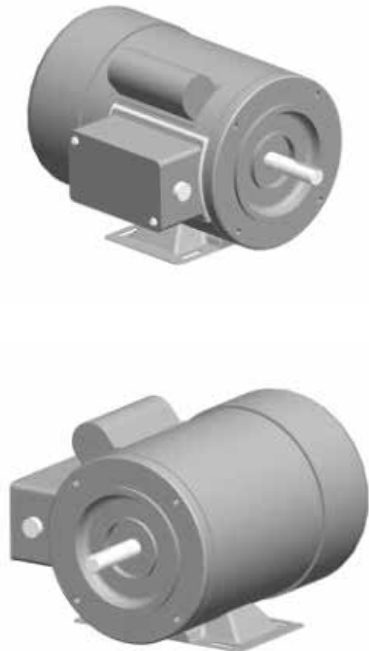
- Highest quality at a competitive price
- NEMA premium available
- 1/3 HP to 10 HP
- 460V, 3 phases – 60 Hz
- 575V, 3 phases – 60 Hz
- Up to 300 HP
- Frame from 143T to 449TSC



AC ELECTRIC MOTORS

ROLLED STEEL SERIES

STANDARD FEATURES	OPTIONAL FEATURES	APPLICATIONS
• 115/208-230 V, 208-230/460 V, 575 V • Steel frame • Ball bearing construction • Totally enclosed fan-cooled (TEFC) • Steel fan cover • 1.15 service factor • Reversible rotation • NEMA "C" Flange • Removable base • Capacitor start for high starting torque (single phase)	• Inverter duty magnet wiring • Special design to fit specific application • Overload protection (single phase)	• Feeders • Conveyors • Fans • Compressors • Spray washers • Grinders • Elevators • Pumps • Agricultural • Other applications that require high starting torques and applications as per customer requirements



AC ELECTRIC MOTORS

ROLLED STEEL SERIES – 115/230 V, 1 PHASE, 60 HZ CAPACITOR START – NEMA C-FACE WITH REMOVABLE BASE

Ouput	NEMA frame	Rated speed	Current FLA	Service factor NEMA	Enclosure	Base	Thermal protection	Notes
HP		RPM	A					
3600 rpm								
1/3	56C	1725	6.3/3.1	1.15	TEFC	Removable	OP	1
1/2	56C	1725	8.4/4.0	1.15	TEFC	Removable	OP	1
3/4	56C	1725	10.6/5.3	1.15	TEFC	Removable	OP	1
1	56C	1725	11.2/5.6	1.15	TEFC	Removable	OP	1
1.5	56C	1725	14.2/7.1	1.15	TEFC	Removable	None	2
2	56C	1725	18.2/9.1	1.15	TEFC	Removable	None	2
1800 rpm								
1/3	56C	1725	6.6/3.3	1.15	TEFC	Removable	OP	1
1/2	56C	1725	8.8/4.2	1.15	TEFC	Removable	OP	1
3/4	56C	1725	11.05/5.5	1.15	TEFC	Removable	OP	1
1	56C	1725	13.6/6.8	1.15	TEFC	Removable	OP	1
1.5	56C	1725	15.2/7.6	1.15	TEFC	Removable	None	2
2	56C	1725	20.0/10.0	1.15	TEFC	Removable	None	2

- 1. Capacitor start induction run design
- 2. Capacitor start - Capacitor run design for reduced amperage



AC ELECTRIC MOTORS

ROLLED STEEL SERIES – 115/230 V, 208-230 V, 1 PHASE, 60 HZ - CAPACITOR START – CAPACITOR RUN - NEMA C-FACE WITH REMOVABLE BASE

Ouput	NEMA frame	Rated speed	Current FLA	Service factor NEMA	Enclosure	Base	Thermal protection	Notes
HP		RPM	A					
3600 rpm								
2	145T	3450	18.2/10.1-9.1	1.15	TEFC	Fixed	None	2
3	182T	3450	13.0/12.0	1.15	TEFC	Fixed	None	2
5	184T	3450	24.2/21.0	1.15	TEFC	Fixed	None	2
7.5	213T	3450	34.4/30.0	1.15	TEFC	Fixed	None	2
10	213T	3450	44.0/38.0	1.15	TEFC	Fixed	None	2
1800 rpm								
2	145T	1725	20.0/11.0-10.0	1.15	TEFC	Fixed	None	2
3	182T	1725	15.5/14.0	1.15	TEFC	Fixed	None	2
5	184T	1725	26.0/22.5	1.15	TEFC	Fixed	None	2
7.5	213T	1725	36.8/32.0	1.15	TEFC	Fixed	None	2
10	215T	1725	46.0/40.0	1.15	TEFC	Fixed	None	2

2. Capacitor start – Capacitor run design for reduced amperage



AC ELECTRIC MOTORS

ROLLED STEEL SERIES – 208-230/460 V, 3 PHASES, 60HZ – END MOUNTED – NEMA C-FACE WITH REMOVABLE BASE

Ouput	NEMA frame	Rated speed	Current FLA	Service factor NEMA	Enclosure	Base	Thermal protection
HP		RPM	A				
3600 rpm							
1/3	56C	3450	1.6-1.5/0.8	1.15	TEFC	Detachable	None
1/2	56C	3450	2.3-2.2/1.1	1.15	TEFC	Detachable	None
3/4	56C	3450	3.0-2.9/1.5	1.15	TEFC	Detachable	None
1	56C	3450	3.8-3.6/1.8	1.15	TEFC	Detachable	None
1.5	56C	3450	4.8-4.6/2.3	1.15	TEFC	Detachable	None
2	56C	3450	6.2-6.0/3.0	1.15	TEFC	Detachable	None
1800 rpm							
1/3	56C	1725	1.7-1.6/0.8	1.15	TEFC	Detachable	None
1/2	56C	1725	2.2-2.0/1.0	1.15	TEFC	Detachable	None
3/4	56C	1725	3.0-2.8/1.4	1.15	TEFC	Detachable	None
1	56C	1725	4.0-3.9/1.8	1.15	TEFC	Detachable	None
1.5	56C	1725	5.0-4.8/2.3	1.15	TEFC	Detachable	None
2	56C	1725	6.4-6.2/3.0	1.15	TEFC	Detachable	None



AC ELECTRIC MOTORS

ROLLED STEEL SERIES – 575 V, 3 PHASES, 60HZ - END
MOUNTED - NEMA C-FACE WITH REMOVABLE BASE

Ouput	NEMA frame	Rated speed	Current FLA	Service factor NEMA	Enclosure	Base	Thermal protection
HP		RPM	A				
3600 rpm							
1/3	56C	3450	0.6	1.15	TEFC	Detachable	None
1/2	56C	3450	0.8	1.15	TEFC	Detachable	None
3/4	56C	3450	1.0	1.15	TEFC	Detachable	None
1	56C	3450	1.2	1.15	TEFC	Detachable	None
1.5	56C	3450	1.6	1.15	TEFC	Detachable	None
2	56C	3450	2.0	1.15	TEFC	Detachable	None
1800 rpm							
1/3	56C	1725	0.6	1.15	TEFC	Detachable	None
1/2	56C	1725	0.8	1.15	TEFC	Detachable	None
3/4	56C	1725	1.1	1.15	TEFC	Detachable	None
1	56C	1725	1.3	1.15	TEFC	Detachable	None
1.5	56C	1725	1.8	1.15	TEFC	Detachable	None
2	56C	1725	2.4	1.15	TEFC	Detachable	None

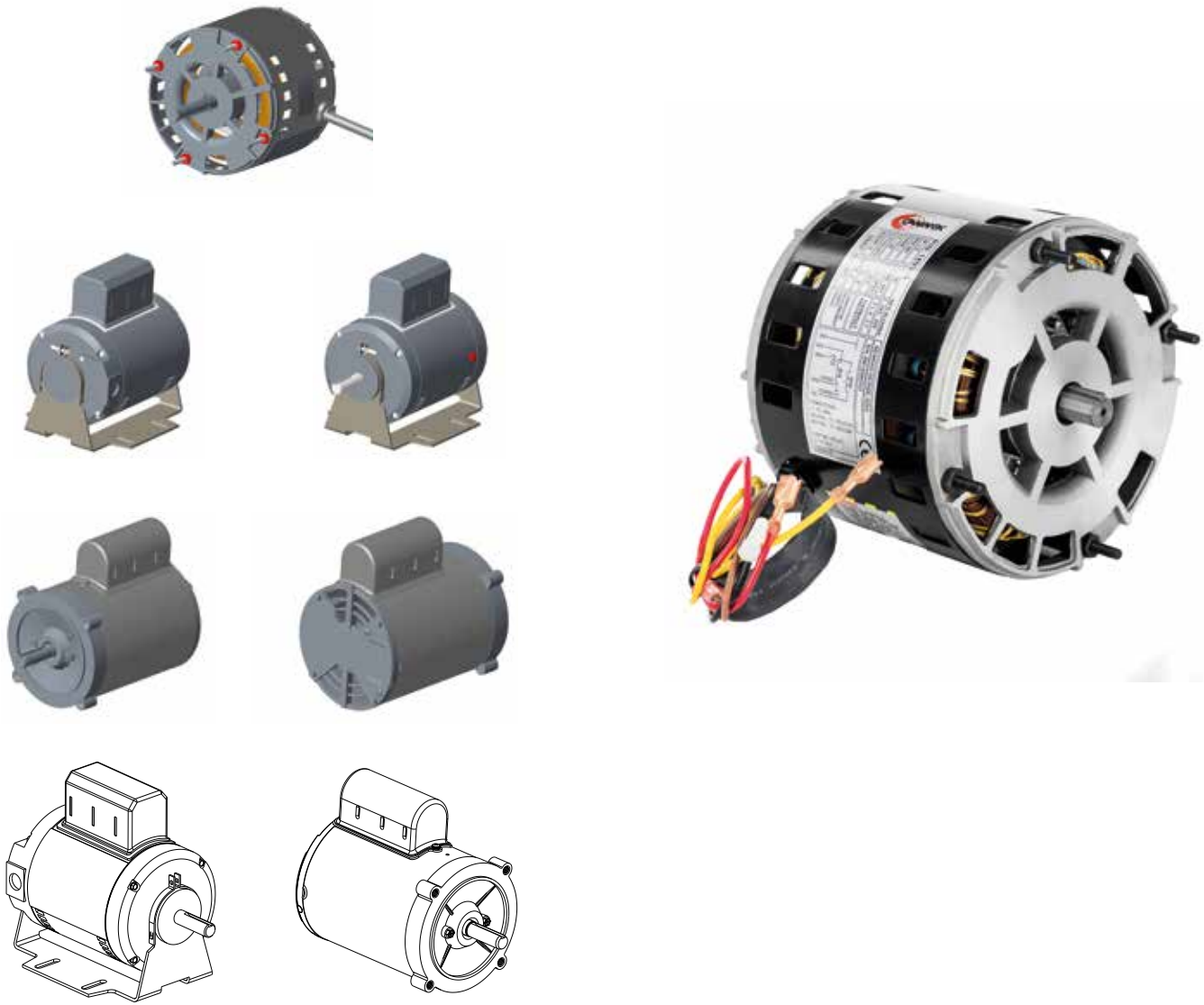


AC ELECTRIC MOTORS

CUSTOM-BUILT

Our custom-built solutions offer motors manufactured to fulfill your specific application requirements.

- Open, ODP, TENV, others
- Explosion proof
- Specific service factors (1.15, 1.25, 1.40, 1.50)
- Specific flanges as per NEMA, IEC, SAE (for pump motors)
- Custom mounting possibilities (brackets, mounting holes, etc.)
- Specific overload / Thermal protection
- Custom power distribution possibilities (custom harnessing, power studs, junction box, etc.)
- Colour (RAL), chrome, E-coated, anodized
- Personalized nameplate (brand name, dimensions, background, etc.)



AC ELECTRIC MOTORS

CAST IRON SERIES

STANDARD FEATURES	OPTIONAL FEATURES	APPLICATIONS
• 208-230/460 V, 200 V, 380 V, 460 V or 575 V • NEMA premium efficiency • Cast iron frame • Frame size: 143T to 449T • Totally enclosed fan-cooled (TEFC) • ULC approved • 40°C ambient • NEMA design B performance • 1.15 service factor • Class F insulation • Suitable for VFD application • SKF/NSK/NTN ball bearing • NPT threaded terminal box • Foot mounted • Lifting provision for all frames	• Special voltages • Special design shaft • Space heaters • Thermistors (PT100) • “C” and “D” flanges for all ratings • Roller bearing available on drive end	• Pumps • Fans • Air compressors • Conveyors • Chemical plants • Cement mills • Other standard industrial applications and applications as per customer requirements



AC ELECTRIC MOTORS

CAST IRON SERIES – 460 V, 3 PHASES, 60HZ

Ouput	NEMA frame	Rated speed	Current	Efficiency	Power factor 100	Locked current	Rated torque	Weight
HP		RPM	A	%		A	Nm	lb
3600 rpm (2 poles)								
1	143T 143TC	3445	1.5	77.0	0.84	15	2.0	53
1.5	143T 143TC	3445	1.9	84.0	0.87	20	2.0	53
2	145T 145TC	3445	2.5	85.5	0.88	25	4.1	55
3	182T 182TC	3505	3.6	86.5	0.89	32	6.1	90
5	184T 184TC	3505	5.8	88.5	0.92	46	10.2	105
7.5	213T 213TC	3505	8.6	89.5	0.91	63.5	15.2	150
10	215T 215TC	3505	11.3	90.2	0.92	81	20.3	165
15	254T 254TC	3520	17.0	91.0	0.91	116	30.4	260
20	256T 256TC	3515	22.4	91.0	0.92	145	40.5	300
25	284T 284TC 284TS 284TSC	3535	28.2	91.7	0.91	182.5	50.2	380
30	286T 286TC 286TS 286TSC	3525	34.1	91.7	0.90	217.5	60.3	410
40	324T 324TC 324TS 324TSC	3540	45.3	92.4	0.90	290	80.0	550
50	326T 326TC 326TS 326TSC	3550	56.1	93.0	0.90	362.5	100	560
60	364T 364TC 364TS 364TSC	3560	67.8	93.6	0.89	435	120	780



AC ELECTRIC MOTORS

CAST IRON SERIES – 460 V, 3 PHASES, 60HZ

Ouput	NEMA frame	Rated speed	Current	Efficiency	Power factor 100	Locked current	Rated torque	Weight
HP		RPM	A	%		A	Nm	lb
3600 rpm (2 poles)								
75	365T	3565	83.4	93.6	0.90	542.5	151	820
	365TC							
	365TS							
	365TSC							
100	405T	3565	110	94.1	0.91	725	199	1110
	405TC							
	405TS							
	405TSC							
125	444T	3570	137.1	95.0	0.90	907.5	250	1610
	444TC							
	444TS							
	444TSC							
150	445T	3570	163.1	95.0	0.91	1085	298	1770
	445TC							
	445TS							
	445TSC							
200	447T	3570	215.8	95.4	0.91	1450	399	1900
	447TC							
	447TS							
	447TSC							
250	449T	3575	271.6	95.8	0.90	1825	498	2430
	449TC							
	449TS							
	449TSC							
300	449T	3575	329.6	95.8	0.90	2200	598	2800
	449TC							
	449TS							
	449TSC							
1800 rpm (4 poles)								
1	143T	1725	1.6	85.5	0.69	15	4.1	53
	143TC							
1.5	145T	1720	2.2	86.5	0.75	20	6.0	55
	145TC							
2	145T	1720	2.8	86.5	0.76	25	8.1	55
	145TC							
3	182T	1745	3.7	89.5	0.85	32	12.2	90
	182TC							
5	184T	1740	5.9	89.5	0.88	46	20.3	105
	184TC							
7.5	213T	1750	9.0	91.7	0.85	63.5	30.2	150
	213TC							
10	215T	1745	12.0	91.7	0.85	81	40.7	165
	215TC							
15	254T	1760	17.7	92.4	0.86	116	60.5	260
	254TC							

AC ELECTRIC MOTORS

CAST IRON SERIES – 575 V, 3 PHASES, 60HZ

Ouput	NEMA frame	Rated speed	Current	Efficiency	Power factor 100	Locked current	Rated torque	Weight
HP		RPM	A	%		A	Nm	lb
3600 rpm (2 poles)								
1	143T	3445	1.20	77.0	0.84	15	2.0	53
	143TC							
1.5	143T	3445	1.59	84.0	0.87	20	2.0	53
	143TC							
2	145T	3445	2.06	85.5	0.88	25	4.1	55
	145TC							
3	182T	3505	3.02	86.5	0.89	32	6.1	90
	182TC							
5	184T	3505	4.81	88.5	0.92	46	10.2	105
	185TC							
7.5	213T	3505	7.13	89.5	0.91	63.5	15.2	150
	213TC							
10	215T	3505	9.33	90.2	0.92	81	20.3	165
	215TC							
15	254T	3520	14.19	91.0	0.91	116	30.4	260
	254TC							
20	256T	3515	18.70	91.0	0.92	145	40.5	300
	256TC							
25	284T	3535	23.46	91.7	0.91	182.5	50.2	380
	284TC							
	284TS							
	284TSC							
30	286T	3525	28.16	91.7	0.90	217.5	60.3	410
	286TC							
	286TS							
	286TSC							
40	324T	3540	42.27	92.4	0.90	290	80.0	550
	324TC							
	324TS							
	324TSC							
50	326T	3550	46.81	93.0	0.90	362.5	100	560
	326TC							
	326TS							
	326TSC							
60	364T	3560	56.47	93.6	0.89	435	120	780
	364TC							
	364TS							
	364TSC							
75	365T	3565	69.76	93.6	0.90	542.5	151	820
	365TC							
	365TS							
	365TSC							
100	405T	3565	91.46	94.1	0.91	725	199	1110
	405TC							
	405TS							
	405TSC							
125	444T	3570	113.24	95.0	0.90	907.5	250	1610
	444TC							
	444TS							
	444TSC							

AC ELECTRIC MOTORS

CAST IRON SERIES – 575 V, 3 PHASES, 60HZ

Ouput	NEMA frame	Rated speed	Current	Efficiency	Power factor 100	Locked current	Rated torque	Weight
HP		RPM	A	%		A	Nm	lb
3600 rpm (2 poles)								
150	445T	3570	135.89	95.0	0.91	1085	298	1770
	445TC							
	445TS							
	445TSC							
200	447T	3570	178.38	95.4	0.91	1450	399	1900
	447TC							
	447TS							
	447TSC							
250	449T	3575	222.04	95.8	0.90	1825	498	2430
	449TC							
	449TS							
	449TSC							
300	449T	3575	266.45	95.8	0.90	2200	598	2800
	449TC							
	449TS							
	449TSC							
1800 rpm (4 poles)								
1	143T	1725	1.33	85.5	0.69	15	4.1	53
	143TC							
1.5	145T	1720	1.80	86.5	0.75	20	6.0	55
	145TC							
2	145T	1720	2.37	86.5	0.76	25	8.1	55
	145TC							
3	182T	1745	3.10	89.5	0.85	32	12.2	90
	182TC							
5	184T	1740	4.92	89.5	0.88	46	20.3	105
	184TC							
7.5	213T	1750	7.56	91.7	0.85	63.5	30.2	150
	213TC							
10	215T	1745	9.96	91.7	0.85	81	40.7	165
	215TC							
15	254T	1760	14.81	92.4	0.86	116	60.5	260
	254TC							
20	256T	1755	19.17	93.0	0.88	145	80.8	300
	256TC							
25	284T	1765	23.53	93.6	0.89	182.5	101	380
	284TC							
	284TS							
	284TSC							
30	286T	1760	28.23	93.6	0.89	217.5	121	410
	286TC							
	286TS							
	286TSC							
40	324T	1770	37.01	94.1	0.89	290	160	550
	324TC							
	324TS							
	324TSC							
50	326T	1770	46.07	94.5	0.90	362.5	201	550
	326TC							
	326TS							
	326TSC							

AC ELECTRIC MOTORS

CAST IRON SERIES – 575 V, 3 PHASES, 60HZ

Ouput	NEMA frame	Rated speed	Current	Efficiency	Power factor 100	Locked current	Rated torque	Weight
HP		RPM	A	%		A	Nm	lb
1800 rpm (4 poles)								
60	364T	1775	56.30	95.0	0.87	435	240	780
	364TC							
	364TS							
	364TSC							
75	365T	1775	69.25	95.4	0.88	542.5	300	820
	365TC							
	365TS							
	365TSC							
100	405T	1775	92.34	95.4	0.88	725	400	1110
	405TC							
	405TS							
	405TSC							
125	444T	1780	114.08	95.4	0.90	907.5	499	1530
	444TC							
	444TS							
	444TSC							
150	445T	1780	134.76	95.8	0.90	1085	598	1640
	4445TC							
	445TS							
	445TSC							
200	447T	1785	178.93	96.2	0.91	1450	799	1860
	447TC							
	447TS							
	447TSC							
250	449T	1785	226.26	96.2	0.90	1825	998	2430
	449TC							
	449TS							
	449TSC							
300	449T	1785	265.35	96.2	0.89	2200	1198	2800
	449TC							
	449TS							
	449TSC							
1200 rpm(6 poles)								
1	145T	1150	1.33	82.5	0.72	15	6.1	55
	145TC							
1.5	182T	1160	1.81	87.5	0.74	20	9.1	90
	182TC							
2	184T	1155	2.38	88.5	0.74	25	12.2	105
	184TC							
3	213T	1170	3.53	89.5	0.75	32	18.2	150
	213TC							
5	215T	1165	5.58	89.5	0.79	46	30.5	165
	215TC							
7.5	254T	1170	7.81	91.0	0.82	63.5	45.4	260
	254TC							
10	256T	1170	10.42	91.0	0.82	81	60.7	300
	256TC							
15	284T	1170	15.12	91.7	0.82	116	90.4	360
	284TC							
	284TS							
	284TSC							

AC ELECTRIC MOTORS

CAST IRON SERIES – 575 V, 3 PHASES, 60HZ

Ouput	NEMA frame	Rated speed	Current	Efficiency	Power factor	Locked current	Rated torque	Weight
HP		RPM	A	%	100	A	Nm	lb
1200 rpm (6 poles)								
20	286T	1170	19.92	91.7	0.82	145	121	390
	286TC							
	286TS							
	286TSC							
25	324T	1175	25.48	93.0	0.82	182.5	150	550
	324TC							
	324TS							
	324TSC							
30	326T	1175	30.57	93.0	0.82	217.5	180	560
	326TC							
	326TS							
	326TSC							
40	364T	1180	38.35	94.1	0.86	290	240	780
	364TC							
	364TS							
	364TSC							
50	365T	1180	47.93	94.1	0.88	362.5	301	840
	365TC							
	365TS							
	365TSC							
60	404T	1185	56.60	94.5	0.87	435	361	1120
	404TC							
	404TS							
	404TSC							
75	405T	1185	70.75	94.5	0.87	542.5	452	1220
	405TC							
	405TS							
	405TSC							
100	444T	1185	93.83	95.0	0.87	725	601	1530
	444TC							
	444TS							
	444TSC							
125	445T	1185	117.29	95.0	0.88	907.5	749	1700
	445TC							
	445TS							
	445TSC							
150	447T	1185	139.57	95.8	0.88	1085	900	1970
	447TC							
	447TS							
	447TSC							
200	449T	1185	186.09	95.8	0.89	1450	1202	2430
	449TC							
	449TS							
	449TSC							
250	449T	1185	229.88	95.8	0.85	1825	1503	2796
	449TC							
	449TS							
	449TSC							



CONTRIBUTING TO PEOPLE’S QUALITY OF LIFE, EVERY DAY.



DC ELECTRIC MOTORS

- From 1/8 to 1.0 HP
- 12-24 Vdc
- NEMA frame 48Y-56C
- Vibration capacity of 80 lb or 200 lb
- IP67
- Operating temperature : -40°C to 40°C



DC ELECTRIC MOTORS

ROLLED STEEL SERIES

Output	Operating voltage	Power entry configuration	Junction box	FLA	Rated speed	Rotational direction	Duty cycle
HP	VDC			A	RPM		
1/8	12	M6*1.00 Brass power studs	Yes	13	600	CW	Cont. S1
1/6	12	M6*1.00 Brass power studs	Yes	25	350	CW	Cont. S1
1/2	12	1/4-20 Brass power studs	Yes	40	1650	CW	Cont. S1
1/2	12	1/4-20 Brass power studs	Yes	40	1650	CW	Cont. S1
1/2	12	1/4-20 Brass power studs	Yes	40	1650	CW	Cont. S1
1/2	12	36" long 8AWG GXL wires with 5/16 stud terminals	Yes	40	1650	CW	Cont. S1
1/2	12	24" long 6AWG cables with 1/4 stud terminals	No	40	1700	CW	Cont. S1
1/2	12	M8*1.25 Brass power studs	Yes	40	1750	CW	Cont. S1
1/2	12	M8*1.25 Brass power studs	Yes	40	1200	CW	Cont. S1
3/4	12	1/4-20 Brass power studs	Yes	55	1725	CW	Cont. S1
3/4	12	24" long 6AWG cables with 1/4 stud terminals	No	55	1850	CW	Cont. S1
3/4	12	M8*1.25 Brass power studs	No	60	1750	CW	Cont. S1
1.0	24	M8*1.25 Brass power studs	Yes	40	1750	CW	Cont. S1

*On special request, IEC flange may be available for rolled steel motors. MOQ is mandatory (100 units for standard rolled steel motors and to be analysed for special requests).

**Custom-built motors may be possible under special request. MOQ is mandatory.

SF	NEMA frame	Foot mount	Enclosure	Material	Operating temperature range	Application
1.00	48Y	---	TENV	Stainless steel	-40°F to 175°F	Spinner for salt spreader
1.00	48Y	---	TENV	Stainless steel	-40°F to 175°F	Spinner for salt spreader
1.00	56C	Removable foot	TENV	Stainless steel	-40°F to 175°F	Conveyor for salt spreader
1.25	56C	Removable foot	TENV	Stainless steel	-40°F to 175°F	Conveyor for salt spreader
1.00	56C	---	TENV	Stainless steel	-40°F to 175°F	Conveyor for salt spreader
1.00	56C	Removable foot	TENV	Stainless steel	-40°F to 175°F	Conveyor for salt spreader
1.00	56C	---	TENV	Stainless steel	-40°F to 175°F	Conveyor for salt spreader
1.00	56C	Foot	TENV	Stainless steel	-40°F to 175°F	Standard
1.00	56C	Foot	TENV	Stainless steel	-40°F to 175°F	Standard
1.00	56C	Removable foot	TENV	Stainless steel	-40°F to 175°F	Conveyor for salt spreader
1.00	56C	Removable foot	TENV	Stainless steel	-40°F to 175°F	Conveyor for salt spreader
1.00	56C	---	TENV	Rolled Steel	-40°F to 175°F	Standard
1.00	56C	Foot	TEFC	Stainless steel	-40°F to 175°F	Standard

DC ELECTRIC MOTORS

EV VIBRATOR – CNX PRODUCT

- OEM replacement
- 200 lb or 80 lb vibration force
- Heavy-duty vibrator motor for 200 lb or 80 lb spreaders with a nominal 12 volt DC power source
- Pressures decay tested
- Low temperature, vibration proof harness, standards SAEJ928 moulded connector type installed. Delphi, AMP or custom sealed connectors available on request
- Counterweight design, speed and motor adapted to match the customer vibration requirements. Canimex owns the equipment to validate vibration parameters
- Permanently greased and sealed bearings to avoid motor brush contamination
- Vibration resistant motor brush assembly
- Cast aluminum housing with a protective coating and stainless steel fasteners
- Black colour
- 12 VDC
- Vibratory force: 200 lb or 80 lb
- Pressured decay tested
- ASTMB117 normalized standards salt spray tested
- Enclosure: IP67
- Insulation class: B
- Harness: UL1015 2x 14 AWG 105°C cable
- Duty cycle: S1 continuous
- Bearing (DE & ODE): 608 permanently lubricated
- Brush lifetime: 1,200 hrs
- Operating temperature: -40°C to 40°C



DC ELECTRIC MOTOR

EV VIBRATOR – CNX PRODUCT



Specification				
Vibration force	Vibration frequency	Voltage frequency	Rated current (A)	Canimex part no.
80 lb	65 Hz	12 VDC	1.1A	207793
200 lb	54 Hz	12 VDC	1.6A	207794

Dimensions mm (in)								
Vibration force	A	B	C	D	E	F	G	H
80 lb	763 (30)	126 (5)	102 (4)	51 (2)	Dia. 20 (0.79)	Dia. 11 (0.43)	144 (5.7)	88 (3.5)
200 lb	763 (30)	126 (5)	102 (4)	51 (2)	Dia. 20 (0.79)	Dia. 11 (0.43)	160 (6.3)	88 (3.5)

