

Baldor Electric Company provides easy access to current data on our website www.baldor.com. Customers will find key information on the following topics:

- Baldor District Offices
- Authorized Distributors
- Sales Terms & Conditions
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SUPER-E® GREEN COLOR DEFINITION

Green Catalog numbers represent motors that have Baldor•Reliance Super-E Premium Efficient electrical designs. These motors meet or exceed NEMA Premium® efficiencies where defined by NEMA in table 12-12, 12-13 and 20-C.

501 CATALOG NOTES:

Efficiencies – Efficiencies of all 60 Hz motor designs are listed as NEMA nominal at full load (Except the motors designed to meet the Small Motor Rule average efficiencies as specified by the DOE).

Full Load Amps (FLA) – For low voltage amps, double high voltage amps shown, excluding medium voltage amps for 2300/4000 voltage.

Motor Bearings – Motors with ball bearings are suitable for coupled loads. If a load is belted, a roller bearing may be required, contact your local Baldor Sales Office if you have questions or need assistance.

Service Factor – NEMA T-frames in TEFC construction have a service factor of 1.15 or greater except where noted. All NEMA U- frame TEFC motors (except explosion-proof) have NEMA open service factors. Fractional horsepower TEFC motors have NEMA open service factors. All Inverter Duty® and Vector Duty® AC motors have 1.0 Service Factors. All DC motors have 1.0 service factors.

Mounting Holes – Most steel band and cast iron foot-mounted motors have dual mounting holes (143T-145T, 182T-184T, etc.)

F1/F2 – All Cast iron motors are built with symmetrical frames which may be converted from F1 to F2 by switching endplates and rotor from end-to-end except for L182T, L184T, L213T, L215T and L449T. TEFC 5000 and 5800 frame motors are field convertible from F1 to F2 via swingarm. Frames with the “L” prefix have standard NEMA base and BA dimensions. Also applies to TC versions of these frame sizes.

SCR Drive Motors – Field Amps listed are for High Voltage Connections with motor at operating temperature.

Modified Motors – Using stock motors, Baldor can modify motors to fit a variety of applications in only 2 to 5 working days for most modifications. Please see the Mod Express section in this catalog for more information.

Custom Motors – For information on motor designs and capabilities not found in this catalog, please contact your local Baldor sales office.

IP PROTECTION – BALDOR ENCLOSURE ⁽¹⁾

Open Motor Enclosures:

IP22 or 23 - Open Drip Proof AC or DC Motors

Totally Enclosed Motor Enclosures* :

IP44 - LV General Purpose AC or DC Motors **

IP54 - MV General Purpose AC Motors

IP55 - ABB IEC Motors

Severe Duty AC Motors (ECP)

Crusher, Quarry & Dirty Duty Motors

White Washdown & Paint-Free Motors

IP56 - LV Motors Meeting IEEE 841

Dirty Duty Autophoretic Motors

Super White Washdown Motors

Stainless Steel Motors (non-encapsulated)

IP69K for Water - SSE Stainless Steel Encapsulated Motors

Notes:

(1) Codes are not included on stock motor nameplate as standard.

* Totally Enclosed Motors will meet IP protection level indicated when drain plugs and or T-drains are properly installed.

** IP54 when Drain Fitting Kit #HA5027A03 is installed in the weep holes (48 thru 256T frame motors only)

SUMMARY OF IP PROTECTION NUMBERS

	First # Protection Against Solid Objects	Second # Protection Against Liquids
IP TESTS		0 NO PROTECTION
0 NO PROTECTION		1 Protection against vertical drops of water. (E.G. Condensation.)
1 Protection against solid objects up to 50 mm. (E.G. Accidental touch by hands.)		2 Protection against falling water up to 15 degrees from the vertical.
2 Protection against solid objects up to 12 mm. (E.G. Fingers)		3 Protection against falling water up to 60 degrees from the vertical.
3 Protection against solid objects over 2.5 mm. (E.G. Tools,Wires)		4 Protection against splashing water from all directions, limited ingress.
4 Protection against solid objects over 1 mm. (E.G. Tools, Wires, and Small Wires)		5 Protection against low pressure jets of water from all directions, limited ingress.
5 Protection against dust - limited ingress (No harmful deposits)		6 Protection against strong jets of water. (E.G. Use on ship decks, limited ingress.)
6 Totally protected against all dust.		7 Protection against immersion.
		8 Protection against submersion.
		9K Protection against high pressure, high temperature spray of water from all directions

Contact your local Baldor Sales Office for clarification, assistance or additional information on any Baldor•Reliance product. A listing of the offices is inside the front cover.

General Information

Single Phase Motors

General Purpose Industrial Motors

Severe Duty Motors

Large AC Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

HVAC Motors

Farm Duty Motors

Approvals UL and CSA

Approvals for AC Motors, Explosion Proof, and DC Motors:

File #:	Description:	Description:
E10822	UL Listed Explosion Proof AC Motors	182T - 449T Frames
		5008, 5010, 9540 Frames
	UL Listed Explosion Proof DC Motors	140TY - 440TY Frames - Submersible Water-Sewer Pump motors
		182T - 286T Frames - Shaker Duty motors
E27506	UL Recognition for Thermally Protected motors	42 - 250 Frames - Subfractional thru 20HP motors
E37609	Special Explosion Proof conduit boxes	
E46145	UL Recognition for DC frames	42 - 184 Frames - Subfractional Motors and Gearmotors
	UL Recognition for NEMA frames	42 - 449 Frames
E54825	UL Recognition for AC frames	180 - 5800 Frames
	UL Recognition for DC frames	L180 - DL2814 Frames
E6881	UL Listed Explosion Proof DC Motors	48 - 4013AT Frames
E6951	UL Listed Explosion Proof AC/DC Motors	56 Frame
EEV79350	CSAc-us EEV Certification (Energy Efficiency Verification)	48 - 449 Frames - Subfractional thru 300HP motors
LR19467	CSA Certified Explosion Proof (Division 1)	1 - 200HP Motors
	CSA c-us Certified Explosion Protected (Division 2)	140TY - 440TY Frames
LR22553	CSA Certification for Explosion Proof motors	180 - 449T Frames
	CSA c-us Certified Explosion Protected (Division 2)	180 - 449T Frames
LR2262	CSA Certification for DC frames	48 - 215 Frames
	CSA Certification for NEMA frames	56 - 364T Frames
LR36841-7	CSA c-us Certification for AC frames	42 - 184 Frames
LR40567	CSA c-us Certification for AC frames	42 - 449 Frames
	CSA c-us Certification for DC frames	5000 - 5800 Frames - up to 4160Volts and a maximum of 900HP(2Pole), 800HP(4Pole) and 700HP(6Pole)
	CSA c-us Certification for MG Sets	L180 - DL2814 Frames - 32-1000HP
	CSA c-us Certification for NEMA frames	48 - 4013AT Frames - 5-500HP
LR46877	CSA c-us Certified Explosion Proof (Division 1)	7MG - 80MG Frames - 15-150HP
	CSA c-us Certified Explosion Protected (Division 2)	140TY - 360TY Frames - Submersible and Immersible motors
LR52580	CSA Certification for Explosion Proof motors	L180 - L440 frames - TEPV Type X Purge Motors
	CSA Certification for AC frames	L180 - DL2814 Frames
	CSA c-us Certification for Finned AC frames	
LR53258	CSA c-us Certified Explosion Protected (Division 2)	447T - 7111 Frames - 500-1500HP
LR60344	CSA c-us Certified Explosion Protected (Division 2)	447T - 7111 Frames - 500-1500HP
LR63415	CSA Certification for Explosion Proof motors	C4412 - B1610 Frames - 100-3000HP
LR6451	CSA c-us Certification for AC frames	
LR6771	CSA Certification for AC frames	5800 - 1000 Frames - 1000-15000HP
LR78389	CSA Certified AC Division 1	
LR7861	CSA EEV Certification (Energy Efficiency Verification)	1-200HP
LR40567	CSA c-us Certification for NEMA frames	180 - 449 Frames - 600HP max.
	CSA c-us Certification for NEMA frames	180 - 449 Frames - 600HP max.

- Motor Designs built at Athens, Gainesville, Kings Mountain and Stratford Plants.
- Motor Designs built at Clarksville, Westville, Fort Smith, Ozark, and Columbus Plants.

Department of Energy (DOE) Compliance Certification: CC 010A

Motors for use in Canada meet NRC Canadian Standards for Efficiency.

DC Tachometers — XPY tachometers are UL recognized, file number E109527 and CSA listed file number LR36841-5.

DC SCR Controls and Accessories — Controls with catalog numbers BC138, BC139, BC140, BC140-FBR, BC141, BC142, BC155, BC154, BCWD140, BC160, BC200, BC201, BC202, BC203 and BC204 and accessories BC24-LF, BC145, BC146, BC147, BC151, BC211 and BC212 are UL listed for US and Canada, UL file number E114039. BC153 is UL component recognized for US and Canada. BC254, BC354, BC214, BC215, BC216, BC217, BC218, BC245, BC253, BC258, BC259 are pending – contact Baldor for status. Larger SCR controls Series 19H and 20H are UL and cUL Listed, UL file number E128059. SCR controls Series 29D and 30D are UL and cUL listed, UL file E128059. Reliance DC are Drives UL/cUL Listed, file number E59092.

AC Inverter and Vector Controls — Baldor and Baldor V*S Drives are UL/cUL Listed, file number E128059. Reliance Drives are UL/cUL Listed, file number E59092.

AC Soft Starters — All units are CUL listed, file number E114039 except catalog item S25CA.

UL AND CSA EXPLOSION-PROOF CLASSIFICATIONS

CAUTION!

Motors misapplied in hazardous environments can cause a fire or explosion resulting in destruction of property, serious injury or death. Only the end user or a qualified underwriter is to identify and select the proper class, group, division, and temperature code motor to meet the requirements of each installation. Baldor personnel can advise what listings and approvals Baldor motors carry, but cannot evaluate nor recommend what motors may be suitable for use in hazardous environments.

1. Hazardous Locations — For details on area classification and equipment suitability please consult NFPA70™ National Electric Code® Articles 500-516.
 - Class I Group C — locations are those which contain flammable gas, vapor, combustible liquid produced vapor mixed with air that may burn or explode, either having a maximum experimental safe gap (MESG) value greater than 0.45 mm and less than or equal to 0.75mm or a minimum igniting current ratio (MIC ratio) greater than 0.40 and less than or equal to 0.80. Ethylene is a typical Group C gas. For other substances in this group, please consult NFPA 497.
 - Class I Group D — locations are those which contain flammable gas, vapor, combustible liquid produced vapor mixed with air that may burn or explode, either having a (MESG) value greater than 0.75 mm or a (MIC ratio) greater than 0.80. Propane is a typical Group D gas. For other substances in this group, please consult NFPA 497.
 - Class II Group E — locations with atmospheres containing combustible metal dusts such as aluminum, magnesium and their alloys or other combustible dusts with particle sizes and conductivity that present similar hazards. For other substances and guidance relative to this group, please consult NFPA 499.
 - Class II Group F — locations with atmospheres containing combustible carbonaceous dusts with more than 8% entrapped volatiles. Coal, carbon black, charcoal and coke dust are examples from this group. For other substances and guidance relative to this group, please consult NFPA 499.
 - Class II Group G — locations with atmospheres containing combustible dusts not included in Group E or F, including flour, grain, wood, plastic and chemicals. For other substances and guidance relative to this group, please consult NFPA 499.
2. Class II Temperature Codes are typically the lower of either the ignition temperature of the combustible dust that is present or 165°C. Low surface temperature requirements (higher temperature codes) in Class II F&G require that over temperature protection be used.
 - Class II Explosion-Proof Motors rated 1 1/2 HP or less have internally mounted automatic thermal overloads when indicated by suffix “A”. Caution must be observed when applying these to machinery applications to prevent accidental injury should the thermal device automatically reset and restart the motor.
 - Class II Explosion-Proof Motors rated 1 HP and larger without automatic thermal overloads have thermostats in the windings. These thermostats are pilot circuit devices to be connected to the magnetic starter circuit.
3. Motors for use in Class I only locations may be provided without T-stats. In these cases, the T-Code is determined by the maximum external surface temperature of the motor enclosure at the point when the winding burns out. These motors have T-Codes T2A or T2B depending on design, and require special sacrificial insulation. Consult Baldor for the acceptability of a requested T-code for specific designs. When motors for use in Division 1 areas (Class I and/or Class II) are provided with T-stats (Over temperature devices) the over-temperature protection must be utilized. If accepted by the AHJ (Authority Having Jurisdiction) other means of limiting the temperature may be utilized in the application. Such alternate protection means are the responsibility of the end user, and Baldor does not accept any responsibility for them.
4. Surface temperatures of Baldor Explosion-Proof Motors will not exceed the following UL and CSA maximums under fault conditions. The “T” Code identifies the maximum absolute motor surface temperature that will be developed under all conditions of operation.
 - Division 1 considers external surface temperature and includes overloads and locked rotor conditions.
 - Division 2 considers internal and external surface temperatures during normal operation.

Maximum Surface Temperature	US (NEC 500) CA (CEC Annex J)	US (NEC 505) CA (CEC Section 18)
450° C	T1	T1
300° C	T2	T2
280° C	T2A	-
260° C	T2B	-
230° C	T2C	-
215° C	T2D	-
200° C	T3	T3

Maximum Surface Temperature	US (NEC 500) CA (CEC Annex J)	US (NEC 505) CA (CEC Section 18)
180° C	T3A	-
165° C	T3B	-
160° C	T3C	-
135° C	T4	T4
120° C	T4A	-
100° C	T5	T5
85° C	T6	T6

5. Stock Motors are not suitable for applications in temperatures below -25°C (-13°F). Custom motor designs available for applications in temperatures down to -60C. Contact your Baldor Sales office for further information.
6. All Explosion-Proof motors are supplied with Explosion-Proof UL and CSA approved conduit boxes as standard.
7. Baldor-Reliance AC Explosion Proof Motors, on pages 75-87, are not approved for use on adjustable speed drives. Only Inverter Duty Explosion Proof motors (pages 88-90) can be used. Custom Explosion proof ratings available, contact your Baldor-Reliance Sales Representative.

Explosion Proof motors in this catalog use the following symbols to designate their Division 1, Class and Group certification capabilities. These assignments are for use with this version of the 501 catalog only.

XP Class & Group Symbol	Description
①	Class I, Group D
②	Class I, Group D, Class II, Group F & G
③	Class I, Group D, Class II, Group E, F & G
④	Class I, Group C & D
⑤	Class I, Group C & D, Class II, Group F & G

General Information

Single Phase Motors

General Purpose Industrial Motors

Severe Duty Motors

Large AC Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

HVAC Motors

Farm Duty Motors

Abbreviations: The Basic Baldor catalog number consists of a letter(s) prefix and several non-significant preceding numbers. A suffix letter(s) and/or number(s) may also be part of the catalog number. For example L3510 or L3510T. Following is a list of prefix and suffix definitions.

Motors Prefix

General Information	Single Phase Motors	AEM	Automotive Motor, Three Phase	IM	Irrigation Drive Motor
		AFL	Aeration Fan Motor, Single Phase	IR	Instant Reversing Single Phase Farm Motor
		AFM	Aeration Fan Motor, Three Phase	J	56J Stainless Steel Threaded Shaft with Dripcover/ Jet Pump
General Purpose Industrial Motors	Severe Duty Motors	ANFL	Auger Fan Motor, Single Phase	JM	JM Pump Shaft and Face
		AOM	Air Over Motor, Three Phase	JMSSEWDM	All Stainless Encapsulated Super-E Washdown JM Pump Shaft & Face
		AP	Subfractional HP, PM Motor	JMWDM	Washdown Duty Motor with JM Pump Shaft & Face with Base, Three Phase
Large AC Motors	Washdown Duty Motors	ASM	Arbor Saw Motor, Three Phase	JP	JP Pump Shaft & Face with Base/ Close Coupled Pump
		B	Brake Motor	JPM	JP Pump Shaft and Face with Base, Three Phase / Close Coupled Pump
		BN	Brake Motor, TENV enclosure	JS	Square Flange Pump Mount Motors with Threaded Shaft
Explosion Proof Motors	Pump Motors	BTG	Tachometer Generator	JWDM	Washdown Jet Pump, Three Phase, Footless
		C	NEMA C-Face with Base	K	Model 34 Diameter Motor with 56 C-Face, Less Base
		CD	Wound Field DC Motor NEMA C-Face with Base	L	Single Phase Motor
Explosion Proof Motors	HVAC Motors	CDMG	Lifting Magnet Generator, C-Face	M	Three Phase Motor
		CDP	PM SCR Drive Motor	MM	Metric Dimension Motor with Base
		CDPSWD	Paint Free Washdown PM SCR Drive Motor C-Face with Base	MP	Metering Pump Motor, Three Phase
Explosion Proof Motors	Farm Duty Motors	CDPT	PM SCR Drive Motor with Integral Tachometer	MVM	Metric Dimension Motor, Flange Mount less Base, Three Phase
		CDPWD	Washdown PM SCR Drive Motor NEMA C-Face with Base	N	Totally Enclosed Non-Ventilated Motor
		CDPX	Explosion Proof PM SCR Drive Motor C-Face with Base	OF	Oil Field Motor, Design D, High Slip
Explosion Proof Motors	Farm Duty Motors	CDX	Explosion Proof Wound Field DC Motor, NEMA C-Face	PCL	Pressure Washer Motor, C-Face with base, Single Phase
		CEL	Super-E Premium Efficient Motor, Single Phase, C-Face	PFTG	Tachometer Generator Foot Mount
		CEM	Super-E Premium Efficient Motor, Three Phase, C-Face	PL	Pressure Washer Motor, Single Phase
Explosion Proof Motors	Farm Duty Motors	CFC	Condenser Fan Motor, Permanent Split Capacitor	PSC	Permanent Split Capacitor Motor
		CFM	Condenser Fan Motor, Three Phase	PTG	Tachometer Generator
		CHC	Direct Drive Fan Motor, Permanent Split Capacitor	R	Repulsion-Start Induction-Run Motor
Explosion Proof Motors	Farm Duty Motors	CHL	Direct Drive Fan Motor, Single Phase	RBM	High Cycle Brake Motor, Three Phase
		CHM	Direct Drive Fan Motor, Three Phase	RHM	Definite Purpose HVAC Motors, Three Phase
		CJWDM	Washdown Jet Pump, Three Phase, Foot Mounted	RL	Resilient Base Motor (Cradle Mount), Single Phase
Explosion Proof Motors	Farm Duty Motors	CP	Severe Duty Motor	RM	Resilient Base Motor (Cradle Mount), Three Phase
		CR	Crusher Duty Motor	SPM	Synchronous Permanent Magnet Motor
		CSC	Checkout Stand Motor	SSEWDM	All Stainless Encapsulated Super-E Washdown Motor, Three Phase
Explosion Proof Motors	Farm Duty Motors	CTM	Cooling Tower Motor, Three Phase	SSEWDFM	All Stainless Encapsulated Super-E Washdown Motor, Three Phase, F-2 Mounted Connection Box
		CWAM	Dirty Duty - Autophoretic Coating, Three Phase, C-Face	SSFWDM	All Stainless Encapsulated Super-E Washdown Motor, Three Phase
		D	Wound Field DC Motor	SSWDM	All Stainless Washdown, Three Phase
Explosion Proof Motors	Farm Duty Motors	DDC	Direct Drive, Indoor Blower Motor, Permanent Split Capacitor	SWDM	Paint Free Washdown Duty Motor, Three Phase
		DEL	Dairy/Vacuum Pump Motor, Single Phase	UCC	Universal Crop Dryer Motor, Permanent Split Capacitor, Open Air Over
		E	Super-E Premium Efficient Motor	UCCE	Universal Crop Dryer Motor, Permanent Split Capacitor, TEAO
Explosion Proof Motors	Farm Duty Motors	ECP	Super-E Severe Duty Motor	UCL	Grain Dryer/Vane Axial Fan, Single Phase, Open Air Over
		ECP6	IEEE 661 Motor	UCLE	Grain Dryer/Vane Axial Fan, Single Phase, TEAO
		ECP8	IEEE 841 Motor	UCM	Grain Dryer/Vane Axial Fan, Three Phase, Open Air Over
Explosion Proof Motors	Farm Duty Motors	ENCP	Super-E Severe Duty Motor, TENV	UCME	Grain Dryer/Vane Axial Fan, Three Phase, TEAO
		ENCP8	IEEE 841 Motor, TENV	UH	Unit Handling Motor
		FDL	Farm Duty Motor, Single Phase	UHM	Unit Handling Motor, Three Phase
Explosion Proof Motors	Farm Duty Motors	FDEM	Farm Duty Motor, Three Phase, Premium Efficient, Standard NEMA Frame	V	NEMA C-Face Less Base
		FLT	Filter Kit	V2L	Two Compartment Jet Pump Motor C-Face less Base, Single Phase
		FM	F-2 Mounted Motor	VEM	Super-E Premium Efficient Motor, Three Phase, C-Face, Less Base
Explosion Proof Motors	Farm Duty Motors	FVB	Blower Kit	VHECP	Super-E Vertical Pump Motor, Severe Duty - Normal Thrust
		FWDM	Washdown Duty Motor, TEFC, Three Phase	VHM	Vertical Pump Motor - Normal Thrust, Three Phase
		GD	Grain Dryer Centrifugal Fan Motor	VLCP	Vertical Pump Motor, Severe Duty - Medium Thrust
Explosion Proof Motors	Farm Duty Motors	GSL	Grain Stirring Motor, Single Phase	VP	PM SCR Drive Motor with Metric Flange or C-Face
		HFM	HVAC Duty, F-2 Mounted Connection Box, Three Phase	VPCP	Vertical Pump Motor, Severe Duty - High Thrust
		HIC	Incubator/Hatchery Vent Fan Motor, Permanent Split Capacitor	WAM	Dirty Duty - Autophoretic Coating, Three Phase
Explosion Proof Motors	Farm Duty Motors	HM	HVAC Duty Motor, Three Phase	WC	West Coast Fit TCZ
		HPM	Hydraulic Pump Motor, Three Phase	WD	Washdown Duty Motor
		IDBRPM	RPMAC Inverter Drive Motor - Laminated Frame, TEBC	WDBM	Washdown Brake Motor, Three Phase
Explosion Proof Motors	Farm Duty Motors	IDCSWDM	Inverter Drive Motor, Paint Free Washdown, C-Face with Base	WWDM	Super White Washdown Motor
		IDDRPM	RPMAC Inverter Drive Motor - Laminated Frame, DPG-FV	WWL	Wood Working Motor, Single Phase
		IDFRPM	RPMAC Inverter Drive Motor - Laminated Frame, TEFC	YPC	Yoke Pedestal Fan Motor, Permanent Split Capacitor
Explosion Proof Motors	Farm Duty Motors	IDM	Inverter Drive Motor, TEBC	ZDBRPM	RPMAC Vector Drive Motor - Laminated Frame, TEBC
		IDNM	Inverter Drive Motor, TENV	ZDFRPM	RPMAC Vector Drive Motor - Laminated Frame, TEFC
		IDNRPM	RPMAC Inverter Drive Motor - Laminated Frame, TENV	ZDM	Vector Drive Motor, TEBC
Explosion Proof Motors	Farm Duty Motors	IDVSM	VS Master Inverter Drive Motor	ZDNM	Vector Drive Motor, TENV
		IDVSNM	VS Master Inverter Drive Motor, TENV	ZDNRPM	RPMAC Vector Drive Motor - Laminated Frame, TENV
		IDVSWDM	Inverter Drive Motor, Paint Free Washdown, C-Face Less Base	ZDPM	RPMAC Permanent Magnet Rotor - Laminated Frame
Explosion Proof Motors	Farm Duty Motors	IDWNM	Washdown Inverter Drive Motor, TENV	ZDVSCP	VS Master Severe Duty Vector Drive Motor
		IDXM	Explosion Proof Inverter Drive Motor, TEFC	ZDVSM	VS Master Vector Drive Motor
		IDXCM	Explosion Proof Inverter Drive Motor, TEFC, C-Face With Base		

ZDVSNCP	VS Master Severe Duty Vector Drive Motor, TENV
ZDVSNM	VS Master Vector Drive Motor, TENV
ZDWNM	Washdown Vector Drive Motor, TENV
ZDVSNM	VS Master Vector Drive Motor, TENV
ZDWNM	Washdown Vector Drive Motor, TENV

Controls Prefix

D	Soft Start Control for DC Shunt, Compound, or Definite Purpose Motor
DMG	Lifting Magnet Generator
M	Multipurpose Soft Start Control
RG	Regeneration Resistor Assembly
S	Single Phase Soft Start
T	Torque Control

Gearing Prefix

BK	Single Phase Gearmotor Kit
G	Subfractional HP Gear Motor
DR	Double Reduction Adapter Kit
GC	Subfractional HP Gear Motor Permanent Split Capacitor and Split Phase
GCP	Parallel Shaft Subfractional HP Gear Motor Permanent Split Capacitor and Split Phase
GF	900 Series Reducers
GHF	900 Series Hollow Shaft Reducers
GHH	H50 Hollow Shaft Reducers
GHL	Hollow Shaft Subfractional HP Gear Motor Capacitor Start Induction Run and Capacitor Start Capacitor Run
GHM	Hollow Shaft Subfractional HP Gear Motor Three Phase
GIF	Inline Helical Reducers
GLF	900 Series Flanged Coupling Reducers
GLP	Subfractional HP Gear Motor Capacitor Start Induction Run and Capacitor Start Capacitor Run
GM	Subfractional HP Gear Motor Three Phase
GMP	Parallel Shaft Subfractional HP Gear Motor Three Phase
GP	PM Subfractional HP Gear Motor
GPP	PM Parallel Shaft Subfractional HP Gear Motor
GS	900 Series Solid Shaft Reducers
GSF	Universal Series Right Angle Gear Reducers
IDGM	Inverter Drive Subfractional HP Gear Motor
IDGMP	Inverter Drive Parallel Shaft Subfractional HP Gear Motor
SSGF	Stainless Steel 900 Series Flanged Quill Reducers
SSGHF	Stainless Steel 900 Series Hollow Shaft Reducers
WDGF	Washdown 900 Series Flanged Quill Reducers
TA	Torque Arm

Kits & Accessories Prefix

BLW	Blower Kit
BU	Bushing Kit
CBL	Cable Assembly
CC	Corrective Capacitor Bank
EN	Encoder Kit
FCD	Drip Cover Kit
FFC	Fan Cover/Conduit Box Kit
FL	Flange Kit
RBT	Roller Bearing Conversion Kit
RES	Resolver Feedback Kit
TK	Tachometer Mounting Kit

Motors Suffix

/35	Full 140 Frame Band Diameter
/36	Full 180 Frame Band Diameter
-2	120/240V Field
-4	460 Volt Winding
-5	575 Volt Winding
-8	200 Volt Winding
-9	NEMA Design C High Torque Winding
-12	12 Leads
-50	Wound for 50 Hertz Service
-57	230/380-415 Volt Winding
-58	380-415 Volt Y-Start/Delta-Run
-277	277 Volt Winding

-2340	2300/4000 Volt Winding
-AP	Aluminum Process Performance
-PP	Cast Iron Process Performance
-BG	Baldor Shaft Ground Motor
-BV	Blower Vented
-C	Listing includes Class I, Group C
-CI	Cast Iron Frame
-D	Dodge D-Series Brake
-EX1	Ex nA
-EX2	Ex d
-EX3	Ex de
-G	Aegis Shaft Ground Motor
-I	Explosion-Proof, 1.15 Service Factor
-NL	Non Linear - For VFD use
-P	Partial AC Motor Excludes Pulley Endplate
-S	Dodge Short-Series Brake
-TP	Refrigerator Fan Motor
A	Automatic Thermal Overload
C	IEC Frame B14 Face Mount
D	IEC Frame B5 Flange Mount
E	New electrical design
L	Long shafted motor with Ball bearings that may be converted to have D.E. Roller bearing.
LR	Long shafted motor with D.E. Roller bearing that may be converted to Ball bearings.
M	Manual Thermal Overload
P	Wound Field DC Motor NEMA "AT" Frame
S	Motor has a short shaft for coupled loads
T	NEMA "T" Frame Dimensions
TP	Feather Picker Motor
TR	NEMA "T" Frame - Roller Bearing
TS	NEMA "T" Frame - Short Shaft
TS	NEMA "T" Frame - Short Shaft

Controls Suffix

-0	IP20- VS1 Drives
-1	NEMA 1 - VS1 Drives
-2	NEMA 1 2- VS1 Drives
-4	NEMA 4- VS1 Drives
-D	Disconnect - VS1MX Drives
-T	Transistor Braking - VS1 Drives

Gearing Suffix

900 Series	
A	56C Motor Flange
B	140TC Motor Flange
C	180TC Motor Flange
G	Left Hand Output Shaft
H	Double End Output Shaft
J	Right Hand Output Shaft
Universal Series	
A	56C or Right Hand Output Shaft
B	140TC Motor Flange
C	180TC Motor Flange

Grinders Suffix

D	Deluxe
E	Exhaust Guards
W	Wide Design

General Information

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