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

- Baldor Sales Offices
- Authorized Distributors
- Sales Terms & Conditions
- Freight Policy
- Warranty Information
- Authorized Service Centers
- Product Literature
- Energy Efficiency
- Performance Data
- Connection Diagrams
- Dimension Sheets
- Installation Manuals
- Renewal Parts
- Customer Product Education

**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. For ODP 5000 and 5800 Frames, please check with factory for F-1/F-2 conversion. 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 <sup>(1)</sup>**

**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 Motors

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

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**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
		140TY - 440TY Frames - Submersible Water-Sewer Pump motors
		182T - 286T Frames – Shaker Duty motors
E10822	UL Listed Explosion Proof DC Motors	1811AT - 259AT Frames
		327AT - 3610A Frames
		408AT - 409AT Frames
E481231	UL Listed Fire Pump Motors	140 - 440 Frames, up to 400 Hp
E27506	UL Recognition for Thermally Protected motors	42 - 250 Frames - Subfractional thru 20 Hp 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 300 Hp motors
EEV78389		
LR19467	CSA Certified Explosion Proof (Division 1)	140TY - 440TY Frames
	CSA c-us Certified Explosion Protected (Division 2)	180 - 449T Frames
LR22553	CSA Certification for Explosion Proof motors	180 - 449T Frames
	CSA c-us Certified Explosion Protected (Division 2)	48 - 215 Frames
LR2262	CSA Certification for DC frames	56 - 364T Frames
	CSA Certification for NEMA frames	42 - 184 Frames
LR40567	CSA c-us Certification for AC frames	42 - 449 Frames
	CSA c-us Certification for DC frames	L180 - DL2814 Frames – 32-1000 Hp
	CSA c-us Certification for MG Sets	48 - 4013AT Frames – 5-500 Hp
	CSA c-us Certification for NEMA frames	7MG - 80MG Frames – 15-150 Hp
LR46877	CSA c-us Certified Explosion Proof (Division 1)	140TY - 360TY Frames – Submersible and Immersible motors
	CSA c-us Certified Explosion Protected (Division 2)	L180 - L440 frames – TEPV Type X Purge Motors
LR48703	CSA Certification for Explosion Proof motors	L180 - DL2814 Frames
LR52580	CSA Certification for AC frames	
	CSA c-us Certification for DC frames	447T - 10840 Frames up to 7200 Volts
LR53258	CSA c-us Certified Explosion Protected (Division 2)	C4412 - B1610 Frames – 100-3000 Hp
LR60344	CSA c-us Certified Explosion Protected (Division 2)	447T - 9600 Frames up to 7200 Volts
LR63415	CSA Certification for Explosion Proof motors	447T - 10840 Frames up to 14000 Volts
LR6451	CSA c-us Certification for AC frames	
LR6771	CSA Certified AC Division 1	5800 - 10840 Frames – 1000-10000 Hp
EEV78389	CSA EEV Certification (Energy Efficiency Verification)	1 - 500Hp
LR7861	CSA c-us Certification for NEMA frames	180 - 449 Frames – 600 Hp max.
LR40567	CSA c-us Certification for NEMA frames	180 - 449 Frames – 600 Hp max.

- Motor Designs built at Athens, Gainesville and Kings Mountain Plants.
- Motor Designs built at Clarksville, Westville, Fort Smith, Ozark, and Columbus Plants.
- Motor Designs built at Athens, Gainesville, 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** – BC-series SCR controls are UL/cUL Listed, file number E114039. DCS800-EP DC Drive Panels are UL/cUL listed, the file is E101649.

**AC Inverter and Vector Controls** – AC Drives – ACS55, ACS150, ACS310, and ACS355 drives and accessories are UL/cUL Listed, file number E211945. ACB530 and Series 5 drives and accessories are UL/cUL Listed, file number E124534.

## Motors used Outside of the United States

### Use of Baldor motors outside of North America

ABB and Baldor Electric are capable of supplying a wide range of electric motors suitable for use throughout the world. Both NEMA and IEC designs are available in a wide range of voltages, frequencies, mountings and certifications.

Compliance is not only about a regulated efficiency level to comply with MEPS but in many countries the motors must be certified and show a specific marking or documentation to allow importation and use. Such certification may be testing for efficiency in approved labs within that country. Usually these tests are done by spec and not for a wide ranging family. To avoid later confusion, addressing compliance needs and certifications should be done during the quote process, not after.

Please feel free to contact your local Baldor Sales Office or ABB office for assistance in determining what needs to be done to make your export motor compliant.

### 60 Hz Motors marked with 50 Hz data

Certain Baldor motors may have secondary 50 Hz nameplate data either at rated or reduced output power. Since most motors in this CA501 catalog are designed as 230/460 V, 60 Hz, on 50 Hz many of these motors are rated as 190/380 V. The efficiency on such motors is usually lower on 50 Hz than on 60 Hz and may not be compliant in all countries. Just because these motors are 50 Hz, they may not be CE compliant.

Please feel free to contact your local Baldor Sales Office for assistance in determining what needs to be done to make your export motor CE compliant.

### European Union (EU) – CE compliance

The EU ErP Directive, Regulation 640/2009 mandates 7.5 – 370 kW (10-500 Hp 2, 4, and 6-pole low voltage motors (up to 1000 V) sold for use in Europe should be marked with IE3 efficiency level as of January 1, 2015. As of January 1, 2017, motors from 0.75 – 370 kW (1-500 Hp) will need to be IE3. Additionally the motors need to have a CE mark. There is no formal registration process for motors sold for use in the EU.

IE2 motors are still allowed to be sold if used with an adjustable speed drive. Baldor has created a sticker for the motor stating that it must be used with a drive. Again, the CE mark is required.

Intermittent duty (S2-S8), Brake motors, explosion-proof motors, 8-pole & slower and motors designed only for use with variable speed drives are exempt. Also motors with certain ambient and altitude marking may be exempt from EU regulations.

Note that specific motor construction and marking requirements beyond the motor efficiency level are required for CE compliance. These include nameplate markings, which IEC standards are referenced for compliance, earth ground symbol, IEC lead marking, half and three quarter efficiency levels (posted to Baldor literature or website), and more.

Please feel free to contact your local Baldor Sales Office for assistance in determining what needs to be done to make your export motor CE compliant.

**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.

- 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.
- 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.
- 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.
- 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

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

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

### 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
GHH	H50 Shallow 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
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
IDGM	Inverter Drive Subfractional Hp Gear Motor
IDGMP	Inverter Drive Parallel Shaft Subfractional Hp Gear Motor

### 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
-2/4	200/400 Volt Winding
-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
Y	Special Mounting Dimension

### 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