

# Brake Motor Totally Enclosed - IP44

## Electrical Characteristics

<b>Phase:</b> 3	<b>Duty Cycle:</b> Continuous
<b>Frequency:</b> 60 Hz	<b>Insulation:</b> Class F
<b>Ambient:</b> 40° C	<b>Temp. Rise:</b> Class B
<b>Service Factor:</b> 1.15	<b>Brake Voltage:</b> 208-230/460
<b>Brake Phase:</b> 1	<b>Motor Voltage:</b> 208-230/460

## Key Information

**Warranty** (From Date Of Manufacture / From Date Of Installation):  
Std. (24/12)  
**Nameplate Agency Approvals:**  
CE, CSA, UL / UR

## Application Information

Designed for applications requiring stopping and positive holding. Brakes are spring set, magnetic release direct acting disc brakes. DODGE D series brakes are single phase, dual voltage DC coils for AC input voltage to a built in rectifier. Stearns AC brakes have single phase, dual voltage brake coils compatible with motor voltage. All brakes have a manual release lever.

## CONSTRUCTION FEATURES

### 56 - 180T Frames

<b>Materials:</b>	Plated steel frame and conduit box; Cast aluminum end shields and fan cover.
<b>Conduit Box:</b>	Oversized, top mounted with F1 & F2 lead outlets.
<b>Bearing Type:</b>	Double shielded ball bearings
<b>Bearing Protection:</b>	Permanently lubricated with moisture resistant grease.
<b>Shaft Material:</b>	High strength carbon steel
<b>Nameplate Material:</b>	Adhesive Mylar
<b>Drain Type &amp; Location:</b>	Weep holes on both end shields
<b>Additional Features:</b>	Brake Motors are inverter capable 460 volt and below where indicated
<b>Brake Leads:</b>	Leads are routed to the motor conduit box for either connecting to the motor leads or for connecting separately.

### 180T - 280T Frames

<b>Materials:</b>	Cast iron frame, end shields and fan cover; Steel conduit box.
<b>Conduit Box:</b>	F1 location, diagonally split, rotatable in 90 degree increments.
<b>Bearing Type:</b>	Double shielded ball bearings
<b>Bearing Protection:</b>	Permanently lubricated with moisture resistant grease.
<b>Shaft Material:</b>	High strength carbon steel
<b>Nameplate Material:</b>	Aluminum
<b>Drain Type &amp; Location:</b>	Weep holes on both end shields
<b>Additional Features:</b>	Brake Motors are inverter capable 460 volt and below where indicated
<b>Brake Leads:</b>	Leads out brake – can be connected to the motor leads or connected separately.



Explosion Proof

Washdown Duty

Single Phase

Brake Motors

575 Volt

IEC

For additional product information, go to [www.reliance.com](http://www.reliance.com)

# Brake Motor Totally Enclosed - IP44

## Foot Mounted 1/4 - 25 HP

HP	Brake Torque Ft.Lb.	Synch RPM	Voltage	Frame	Enclosure	Model Number	List Price	Price Symbol	"C" Dim.	Eff. @ Full Load	Notes	Approx. Wt. (lb)
1/4	3	1800	208-230/460	56	TENV	P56H7200	\$546	RSM01	14.61"	71.0	15,34	26
1/3	3	1800	208-230/460	56	TENV	P56H7201	577	RSM01	14.61"	74.9	15,34	28
1/2	3	1800	208-230/460	56	TENV	P56H1787	624	RSM01	15.21"	74.3	15,32	38
	3	1800	208-230/460	56	TENV	P56H7202	624	RSM01	14.61"	74.3	15,34	38
3/4	6	1800	208-230/460	56	TEFC	P56H1788	737	RSM01	15.98"	78.0	15,32	45
	6	1800	208-230/460	56	TEFC	P56H7203	737	RSM01	15.68"	78.0	15,34	45
1	6	1800	208-230/460	56	TEFC	P56H1789	854	RSM01	15.98"	73.7	15,32	53
	6	1800	208-230/460	56	TEFC	P56H7204	854	RSM01	15.68"	73.7	15,34	53
	6	1800	208-230/460	143T	TEFC	P14H7200	854	RSM01	16.05"	73.7	15,34	54
	3	1800	208-230/460	143T	TEFC	P14H1978	854	RSM01	16.35"	73.7	15,32	54
1.5	6	1800	208-230/460	56	TEFC	P56H1790	935	RSM01	16.98"	78.5	15,32	60
	10	1800	208-230/460	56	TEFC	P56H7205	935	RSM01	16.86"	78.5	34	60
	6	1800	208-230/460	145T	TEFC	P14H1979	935	RSM01	17.35"	86.2	15,32	62
	10	1800	208-230/460	145T	TEFC	P14H7201	935	RSM01	17.05"	86.2	15,34	62
2	10	1800	208-230/460	56	TEFC	P56H1791	983	RSM01	18.04"	81.8	15,32	62
	10	1800	208-230/460	56	TEFC	P56H7206	983	RSM01	17.74"	81.8	34	62
	6	1800	208-230/460	145T	TEFC	P14H1980	983	RSM01	18.41"	81.8	15,32	64
	10	1800	208-230/460	145T	TEFC	P14H7202	983	RSM01	18.11"	81.8	15,34	64
3	15	1800	208-230/460	182T	TEFC	P18A1585	1,189	RSM01	19.04"	85.0	15,32,106	98
	15	1800	208-230/460	182T	TEFC	P18A7200	1,189	RSM01	18.74"	85.0	15,34,106	98
5	15	1800	208-230/460	184T	TEFC	P18A1586	1,244	RSM01	20.04"	84.0	2,15,32,106	110
	15	1800	208-230/460	184T	TEFC	P18A7201	1,244	RSM01	19.74"	84.0	2,15,34,106	110
7.5	25	1800	230/460	213T	TEFC	◆ P21G3940	1,706	REM57	25.90"	89.5	34	120
10	35	1800	230/460	215T	TEFC	◆ P21G3941	1,916	REM57	25.90"	89.5	34	140
15	50	1800	230/460	254T	TEFC	◆ P25G1736	2,732	REM57	35.12"	85.5	43,32	295
20	75	1800	230/460	256T	TEFC	◆ P25G1737	3,441	REM57	35.12"	87.5	43,32	330
25	105	1800	230/460	284T	TEFC	◆ P28G1714	4,416	REM57	37.62"	87.5	43,32	400

◆ - Inverter Duty. See page M-273  
 ■ - Cast Iron Frame

## C-Face Foot Mounted 2- 10 HP

HP	Brake Torque Ft.Lb.	Synch RPM	Voltage	Frame	Enclosure	Model Number	List Price	Price Symbol	"C" Dim.	Eff. @ Full Load	Notes	Approx. Wt. (lb)
2	10	1800	208-230/460	145TC	TEFC	P14H7205	\$1,033	RSM01	17.48"	81.8	15,34	49
3	15	1800	208-230/460	182TC	TEFC	P18A7202	1,249	RSM01	19.49"	85.0	2,15,34,106	82
5	25	1800	230/460	184TC	TEFC	◆ P18G3941	1,453	REM57	21.63"	87.5	34	120
7.5	25	1800	230/460	213TC	TEFC	◆ P21G3942	1,770	REM57	26.65"	89.5	34	136
10	35	1800	230/460	215TC	TEFC	◆ P21G3943	1,976	REM57	26.65"	89.5	34	146

◆ - Inverter Duty. See page M-273  
 ■ - Cast Iron Frame

For pricing information or to place orders, go to [www.PTplace.com](http://www.PTplace.com)

# Brake Motor Totally Enclosed - IP44

## C-Face Footless 1/4 - 10 HP

HP	Brake Torque Ft.Lb.	Synch RPM	Voltage	Frame	Enclosure	Model Number	List Price	Price Symbol	"C" Dim.	Eff. @ Full Load	Notes	Approx. Wt. (lb)
1/4	3	1800	208-230/460	56C	TENV	P56H7210	544	RSM01	14.91"	71.0	15,34	26
1/3	3	1800	208-230/460	56C	TENV	P56H7211	588	RSM01	14.91"	74.9	15,34	27
1/2	3	1800	208-230/460	56C	TENV	P56H1795	643	RSM01	15.21"	74.3	15,32	39
	3	1800	208-230/460	56C	TENV	P56H7212	643	RSM01	14.91"	74.3	15,34	39
	3	1800	230/460	56C	TENV	◆ P56X7200	668	REM01	14.91"	80	34	38
	3	1800	230/460	56C	TENV	◆ P56X6200	668	REM01	15.21"	80	32	38
3/4	3	1800	208-230/460	56C	TEFC	P56H1796	753	RSM01	16.39"	78.0	15,32	43
	6	1800	208-230/460	56C	TEFC	P56H7213	753	RSM01	16.09"	78.0	15,34	43
	6	1800	230/460	56C	TENV	◆ P56X6201	778	REM01	15.21"	82.5	32	42
	6	1800	230/460	56C	TENV	◆ P56X7201	778	REM01	14.91"	82.5	34	42
	3	1800	208-230/460	56C	TEFC	P56H1797	870	RSM01	16.39"	73.7	15,32	54
	6	1800	208-230/460	56C	TEFC	P56H7214	870	RSM01	16.09"	73.7	15,34	54
	3	1800	208-230/460	143TC	TEFC	P14H1981	870	RSM01	16.35"	73.7	15,32	55
	6	1800	208-230/460	143TC	TEFC	P14H7206	870	RSM01	16.05"	73.7	15,34	55
	6	1800	230/460	56C	TENV	◆ P56X7202	895	REM01	14.91"	82.5	34	50
	6	1800	230/460	56C	TENV	◆ P56X6202	895	REM01	15.21"	82.5	32	50
1.5	6	1800	230/460	143TC	TEFC	◆ P14X7206	895	REM01	17.05"	82.5	34	52
	6	1800	208-230/460	56C	TEFC	P56H1798	951	RSM01	17.29"	78.5	15,32	57
	10	1800	208-230/460	56C	TEFC	P56H7215	951	RSM01	16.99"	78.5	15,34	57
	6	1800	208-230/460	145TC	TEFC	P14H1982	951	RSM01	17.35"	78.5	15,32	57
	10	1800	208-230/460	145TC	TEFC	P14H7207	951	RSM01	17.05"	78.5	15,34	57
	6	1800	230/460	56C	TEFC	◆ P56X6203	976	REM01	18.35"	84	32	60
	10	1800	230/460	56C	TEFC	◆ P56X7203	976	REM01	18.05"	84	34	60
	10	1800	230/460	145TC	TEFC	◆ P14X7203	976	REM01	18.11"	84	34	62
2	6	1800	208-230/460	56C	TEFC	◆ P56H1799	1000	RSM01	18.35"	81.8	15,32	62
	10	1800	208-230/460	56C	TEFC	◆ P56H7216	1,000	RSM01	18.05"	81.8	15,34	62
	6	1800	208-230/460	145TC	TEFC	◆ P14H1983	1,000	RSM01	18.41"	81.8	15,32	65
	10	1800	208-230/460	145TC	TEFC	◆ P14H7208	1,000	RSM01	18.11"	81.8	15,34	65
	10	1800	230/460	145TC	TEFC	◆ P14X6204	1,025	REM01	18.41"	84	32	64
	10	1800	230/460	145TC	TEFC	◆ P14X7204	1,025	REM01	18.11"	84	34	64
3	10	1800	208-230/460	182TC	TEFC	◆ P18A1589	1,189	RSM01	19.79"	85.0	2,15,32,106	80
	15	1800	208-230/460	182TC	TEFC	◆ P18A7203	1,189	RSM01	19.49"	85.0	2,15,34,106	80
	15	1800	230/460	182TC	TEFC	◆ P18X7203	1,238	REM01	21.49"	87.5	34,106	81
5	15	1800	208-230/460	184TC	TEFC	◆ P18A7204	1,281	RSM01	20.49"	84.0	2,15,34,106	90
	15	1800	208-230/460	184TC	TEFC	◆ P18A1590	1,281	RSM01	20.79"	84.0	2,15,32,106	90
7.5	25	1800	230/460	213TC	TEFC	◆ P21G1795	1,794	RXE20	26.65"	90.2	34	136
10	35	1800	230/460	215TC	TEFC	◆ P21G1796	1,999	RXE20	26.65"	90.2	34	146

◆ - Inverter Duty. See page M-273

■ - Cast Iron Frame

Explosion Proof

Washdown Duty

Single Phase

Brake Motors

57.5 Volt

IEC

For additional product information, go to [www.reliance.com](http://www.reliance.com)

## Short Series Brake Motor - SSB

### Totally Enclosed - IP44

#### Electrical Characteristics

<b>Phase:</b> 3	<b>Duty Cycle:</b> Continuous
<b>Frequency:</b> 60 Hz	<b>Insulation:</b> Class F
<b>Ambient:</b> 40° C	<b>Temp. Rise:</b> Class B
<b>Service Factor:</b> 1.15	<b>Brake Voltage:</b> 208-230/460
<b>Brake Phase:</b> 1	<b>Motor Voltage:</b> 208-230/460

#### Key Information

**Warranty** (From date of manufacture / from date of Installation)  
(24/12)

**Nameplate Agency Approvals:**  
CE, CSA, UL / UR

#### Application Information

These brake motors have the Dodge "D" series brake integrally mounted in the motor end shield for the most compact design. SSB brake motors are spring set, magnetically released direct acting disc brakes. The coil is single phase and DC with a rectifier built into the coil. Brakes have a manual release lever.

#### CONSTRUCTION FEATURES

##### 56 - 140T Frames

<b>Materials:</b>	Steel frame, feet, and conduit box; cast aluminum end shields; zinc plated hardware
<b>Conduit Box:</b>	Oversized, top mounted with F1 & F2 lead outlet
<b>Bearing Type:</b>	Double shielded ball bearings
<b>Bearing Protection:</b>	Permanently lubricated with moisture resistant grease
<b>Shaft Material:</b>	High strength carbon steel
<b>Nameplate Material:</b>	Adhesive Mylar
<b>Drain Type:</b>	Weep hole in both ends
<b>Lead Length:</b>	4 inches
<b>Additional Features:</b>	Fail safe brakes are service factored at 150%
<b>Brake Leads:</b>	Brake leads are routed to the motor conduit box for either connecting to the motor leads or for connecting separately



##### 180T Frames

<b>Materials:</b>	Aluminum frame, feet, conduit box and end shields; zinc plated hardware
<b>Conduit Box:</b>	Oversized, top mounted with F1 & F2 lead outlet
<b>Bearing Type:</b>	Double shielded ball bearings
<b>Bearing Protection:</b>	Permanently lubricated with moisture resistant grease
<b>Shaft Material:</b>	High strength carbon steel
<b>Nameplate Material:</b>	Adhesive Mylar
<b>Drain Type:</b>	Weep hole in both ends
<b>Lead Length:</b>	4 inches
<b>Additional Features:</b>	Fail safe brakes are service factored at 150%
<b>Brake Leads:</b>	Brake leads are routed to the motor conduit box for either connecting to the motor leads or for connecting separately

For pricing information or to place orders, go to [www.PTplace.com](http://www.PTplace.com)

# Short Series Brake Motor - SSB

## Totally Enclosed - IP44

### Foot Mounted 1/4 - 5 HP

HP	Brake Torque Ft.Lb.	Synch RPM	Voltage	Frame	Enclosure	Model Number	List Price	Price Symbol	"C" Dim.	Notes	Approx. Wt. (lb)
1/4	3	1800	208-230/460	56	TEFC	P56H7300	\$502	RSM01	13.42"	15,42	25
1/3	3	1800	208-230/460	56	TEFC	P56H7301	530	RSM01	13.42"	15,42	27
1/2	3	1800	208-230/460	56	TEFC	P56H7302	574	RSM01	13.42"	15,42	36
3/4	6	1800	208-230/460	56	TEFC	P56H7303	678	RSM01	13.42"	15,42	43
1	6	1800	208-230/460	56	TEFC	P56H7304	786	RSM01	13.42"	15,42	50
	6	1800	208-230/460	143T	TEFC	P14H7300	786	RSM01	14.79"	15,42	50
1-1/2	10	1800	208-230/460	56	TEFC	P56H7305	860	RSM01	13.42"	15,42	57
	10	1800	208-230/460	145T	TEFC	P14H7301	860	RSM01	14.79"	15,42	57
2	10	1800	208-230/460	56	TEFC	P56H7306	904	RSM01	13.42"	15,42	60
	10	1800	208-230/460	145T	TEFC	P14H7302	904	RSM01	14.79"	15,42	60
3	15	1800	208-230/460	182T	TEFC	P18A7300	1,186	RSM01	16.40"	15,42,106	80
5	25	1800	208-230/460	184T	TEFC	P18A7301	1,370	RSM01	17.40"	15,42,106	85

### C-Face Footless 1/4 - 5 HP

HP	Brake Torque Ft.Lb.	Synch RPM	Voltage	Frame	Enclosure	Model Number	List Price	Price Symbol	"C" Dim.	Notes	Approx. Wt. (lb)
1/4	3	1800	208-230/460	56C	TEFC	P56H7310	\$500	RSM01	13.72"	15,42	25
1/3	3	1800	208-230/460	56C	TEFC	P56H7311	540	RSM01	13.72"	15,42	27
1/2	3	1800	208-230/460	56C	TEFC	P56H7312	590	RSM01	13.72"	15,42	36
3/4	6	1800	208-230/460	56C	TEFC	P56H7313	690	RSM01	13.2"	15,42	43
1	6	1800	208-230/460	56C	TEFC	P56H7314	800	RSM01	13.72"	15,42	50
	6	1800	208-230/460	143TC	TEFC	P14H7306	800	RSM01	13.78"	15,42	50
1-1/2	10	1800	208-230/460	56C	TEFC	P56H7315	874	RSM01	13.72"	15,42	57
	10	1800	208-230/460	145TC	TEFC	P14H7307	874	RSM01	13.78"	15,42	57
2	10	1800	208-230/460	56C	TEFC	P56H7316	920	RSM01	13.72"	15,42	60
	10	1800	208-230/460	145TC	TEFC	P14H7308	920	RSM01	14.78"	15,42	60
3	15	1800	208-230/460	182TC	TEFC	P18A7303	1,186	RSM01	16.16"	15,42,106	80
5	25	1800	208-230/460	184TC	TEFC	P18A7304	1,410	RSM01	17.16"	15,42,106	85

For additional product information, go to [www.reliance.com](http://www.reliance.com)

# High Cycle Brake Motor - HCB Totally Enclosed - IP44

## Electrical Characteristics

<b>Phase:</b> 3	<b>Duty Cycle:</b> Continuous
<b>Frequency:</b> 60 Hz	<b>Insulation:</b> Class F
<b>Ambient:</b> 40° C	<b>Temp. Rise:</b> Class B
<b>Service Factor:</b> 1.15	<b>Brake Voltage:</b> 208-230/460
<b>Brake Phase:</b> 1	<b>Motor Voltage:</b> 208-230/460

## Key Information

**Warranty** (From Date Of Manufacture / From Date Of Installation):  
(24/12)

**Nameplate Agency Approvals:**  
CE, CSA, UL / UR

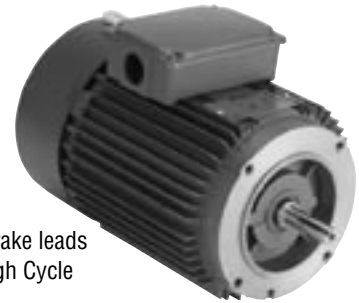
## Application Information

The High Cycle Brake Motor is designed for frequent starting and stopping applications. This product can exceed 30 starts/stops per minute with lower reflected inertias. Brake is mechanical set, electrically released with DC coil and built in rectifier. All brakes have a manual release lever. High Cycle Brake Motor will operate in both horizontal and vertical positions.

## CONSTRUCTION FEATURES

### 56 - 140T Frames

<b>Materials:</b>	Finned Aluminum frame; Plated steel conduit box and fan cover; Cast aluminum end shields and conduit box
<b>Conduit Box:</b>	Oversized, top mounted with F1 & F2 lead outlets
<b>Bearing Type:</b>	Double shielded ball bearings
<b>Bearing Protection:</b>	Permanently lubricated with moisture resistant grease
<b>Shaft Material:</b>	High strength carbon steel
<b>Nameplate Material:</b>	Adhesive Mylar
<b>Drain Type &amp; Location:</b>	Weep holes on both end shields
<b>Additional Features:</b>	Motor performance is optimized for starting duty - higher torque per ampere. Brake leads are in motor conduit box and can be connected separately or with the motor. High Cycle Brake Motors are inverter capable 460 volt and below
<b>Brake Leads:</b>	Brake leads are routed to the motor conduit box for either connecting to the motor leads or for connecting separately



### Foot Mounted 1/2 -3 HP

HP	Brake Torque Ft.Lb.	Synch RPM	Voltage	Frame	Enclosure	Model Number	List Price	Price Symbol	"C" Dim.	Notes	Approx. Wt. (lb)
1/2	3	1800	208-230/460	56	TEFC	◆ P56A1210	\$708	RSM03	14.42"	15,42	39
3/4	6	1800	208-230/460	56	TEFC	◆ P56A1211	828	RSM03	14.42"	15,42	46
1	6	1800	208-230/460	143T	TEFC	◆ P14A1210	960	RSM03	14.79"	15,42	54
1.5	10	1800	208-230/460	145T	TEFC	◆ P14A1211	1,050	RSM03	15.85"	15,42	63
2	10	1800	208-230/460	145T	TEFC	◆ P14A1212	1,104	RSM03	16.85"	15,42	65
3	15	1800	208-230/460	182T	TEFC	◆ P18A1200	1,466	RSM03	17.40"	15,42	83

### C-Face Footless 1/2 - 3 HP

HP	Brake Torque Ft.Lb.	Synch RPM	Voltage	Frame	Enclosure	Model Number	List Price	Price Symbol	"C" Dim.	Notes	Approx. Wt. (lb)
1/2	3	1800	208-230/460	56C	TEFC	◆ P56A1200	\$690	RSM03	14.73"	15,42	39
3/4	6	1800	208-230/460	56C	TEFC	◆ P56A1201	814	RSM03	14.73"	15,42	46
1	6	1800	208-230/460	143TC	TEFC	◆ P14A1200	944	RSM03	14.79"	15,42	54
1.5	10	1800	208-230/460	145TC	TEFC	◆ P14A1201	1,032	RSM03	15.85"	15,42	63
2	10	1800	208-230/460	145TC	TEFC	◆ P14A1202	1,084	RSM03	16.85"	15,42	65
3	15	1800	208-230/460	182TC	TEFC	◆ P18A1203	1,424	RSM03	17.16"	15,42	83

◆ - Inverter Duty. See page M-273

Application Curves: The start/stop duty cycle capability curves can be found on the Reliance web site [www.Reliance.com](http://www.Reliance.com): select Motor Information Center then AC motors, using the above model numbers

For pricing information or to place orders, go to [www.PTplace.com](http://www.PTplace.com)

# Explosion Proof Brake Motor Totally Enclosed - IP44

## Electrical Characteristics

<b>Phase:</b> 3	<b>Duty Cycle:</b> Continuous
<b>Frequency:</b> 60 Hz	<b>Insulation:</b> Class F
<b>Ambient:</b> 40° C	<b>Temp. Rise:</b> Class B
<b>Service Factor:</b> 1.15 56 & 140T	<b>Brake Voltage:</b> 208-230/460
1.0 180T	<b>Motor Voltage:</b> 208-230/460
<b>Brake Phase:</b> 1	

## Key Information

**Warranty** (From Date Of Manufacture / From Date Of Installation):  
(24/12)

**Nameplate Agency Approvals:**  
CE, CSA, UL

## Application Information

Designed for applications requiring stopping and positive holding in an environment which contains hazardous gas, vapor, dust, fibers, filings or other materials that may have explosive properties. Brake and motor are separately U.L. listed for the hazardous environment.

## CONSTRUCTION FEATURES

### 56 - 140T Frames

UL Listing	Division 1, Class 1 Group D, Class 2 Groups F & G. T3C Temperature Code.
Materials:	Plated steel frame; Cast aluminum end shields and conduit box. ( TENV designs)
Conduit Box:	F1 mounted
Bearing Type:	Double shielded ball bearings
Bearing Protection:	Permanently lubricated with moisture resistant grease.
Shaft Material:	High strength carbon steel
Nameplate Material:	Aluminum
Drain Type & Location:	None
Additional Features:	Sterns AC brakes have single phase, dual voltage brake coils compatible with motor voltage. Brakes are spring set, magnetic release direct acting disc brakes. All brakes have a manual release lever. 1HP and lower 56 frame motors are thermally protected with an auto thermal. 1HP and higher 140 frame motors are thermally protected with thermostats.
Brake Leads:	Leads out brake – can be connected to the motor leads or connected separately.



### 180T - 280T Frames

UL Listing	Division 1, Class 1 Group D, Class 2 Groups F & G. T3C Temperature Code.
Materials:	Cast iron frame, end shields, fan cover and conduit box
Conduit Box:	F1 mounted
Bearing Type:	Double shielded ball bearings
Bearing Protection:	Permanently lubricated with moisture resistant grease
Shaft Material:	High strength carbon steel
Nameplate Material:	Aluminum
Drain Type & Location:	None
Additional Features:	Sterns AC brakes have single phase, dual voltage brake coils compatible with motor voltage. Brakes are spring set, magnetic release direct acting disc brakes. All brakes have a manual release lever. 180T frame and larger motors are thermally protected with thermostats.
Brake Leads:	Leads out brake – can be connected to the motor leads or connected separately.



For additional product information, go to [www.reliance.com](http://www.reliance.com)

# Explosion Proof Brake Motor Totally Enclosed - IP44

## C-Face Foot Mounted 1/2 - 5 HP

HP	Brake Torque Ft. Lb.	Synch RPM	Voltage	Frame	Enclosure	Model Number	List Price	Price Symbol	"C" Dim.	Notes	Approx. Wt. (lb)
1/2	3	1800	208-230/460	56C	TENV-XP	<b>P56J5947</b>	\$1,926	RSM01	18.50"	15,32	39
3/4	6	1800	208-230/460	56C	TENV-XP	<b>P56J5948</b>	2,073	RSM01	19.50"	15,32	42
1	6	1800	208-230/460	56C	TENV-XP	<b>P56J5949</b>	2,080	RSM01	20.56"	15,32	52
1.5	10	1800	208-230/460	145TC	TENV-XP	<b>P14J5928</b>	2,115	RSM01	21.62"	15,32	82
2	10	1800	208-230/460	145TC	TENV-XP	<b>P14J5929</b>	2,225	RSM01	21.62"	15,32	84
3	15	1800	230/460	182TC	TEFC-XP	<b>P18G2130</b>	3,712	REM57	27.22"	32,43	90
5	25	1800	230/460	184TC	TEFC-XP	<b>P18G2131</b>	5,250	REM57	27.22"	32,43	125

■ - Cast iron frame

For pricing information or to place orders, go to [www.PTplace.com](http://www.PTplace.com)

# Variable Frequency Brake Motor Totally Enclosed - IP44

## Electrical Characteristics

<b>Phase:</b> 3	<b>Duty Cycle:</b> Continuous
<b>Frequency:</b> 60 Hz	<b>Insulation:</b> Class F
<b>Ambient:</b> 40° C	<b>Temp. Rise:</b> Class B
<b>Service Factor:</b> 1.15	<b>Brake Voltage:</b> 115/230
<b>Brake Phase:</b> 1	<b>Motor Voltage:</b> 208-230/460

## Application Information

The variable frequency brake motor is designed for use with inverters where the brake is separately connected to a low voltage power supply. Brake is mechanically set, electrically released with DC coil and built in rectifier, 115/230 volt input. All brakes have mechanical release lever.

## CONSTRUCTION FEATURES

### 56 - 180T Frames

<b>Materials:</b>	Plated steel frame (180 frame is aluminum) and conduit box. Cast aluminum end shields, fan cover and brake.
<b>Conduit Box:</b>	Oversized, top mounted with F1 & F2 lead outlets.
<b>Bearing Type:</b>	Double shielded ball bearings
<b>Bearing Protection:</b>	Permanently lubricated with moisture resistant grease.
<b>Shaft Material:</b>	High strength carbon steel
<b>Nameplate Material:</b>	Adhesive Mylar
<b>Drain Type &amp; Location:</b>	Weep holes on both end shields
<b>Additional Features:</b>	Motor performance is optimized for variable speed performance. Brake leads are in the conduit box and can be connected separately. These brake motors will operate in both the horizontal and vertical positions. Brake voltage is single phase 115/230. For XEX construction features see severe duty motor section.
<b>Brake Leads:</b>	Brake leads are routed to the motor conduit box for connection to separate circuit.

### 210T Frames

<b>Materials:</b>	Cast iron frame, end shields, and fan cover. Steel conduit box.
<b>Conduit Box:</b>	F1 location, diagonally split, rotatable in 90 degree increments.
<b>Bearing Type:</b>	Double shielded ball bearings
<b>Bearing Protection:</b>	Permanently lubricated with moisture resistant grease.
<b>Shaft Material:</b>	High strength carbon steel
<b>Nameplate Material:</b>	Aluminum
<b>Drain Type &amp; Location:</b>	Weep holes on both end shields
<b>Additional Features:</b>	Motor performance is optimized for variable speed performance. Brake leads are in the conduit box and can be connected separately. These brake motors will operate in both the horizontal and vertical positions. Brake voltage is single phase 115/230.
<b>Brake Leads:</b>	Leads out brake – for connection to separate circuit.



## Key Information

### Definitions:

- SABRE = Steel frame motors that meet EPE efficiencies
- CALIBRE = Cast iron frame motors that meet EPE efficiencies
- XEX = NEMA premium efficient brake motors that exceed EPE

### Warranty (From Date Of Manufacture / From Date Of Installation):

SABRE/CALIBRE (24/12), XE (24/12)

### Nameplate Agency Approvals:

CE, CSA, UL / UR

Explosion Proof

Washdown Duty

Single Phase

Brake Motors

575 Volt

IEC

# Variable Frequency Brake Motor Totally Enclosed - IP44

## Foot Mounted 1/2 - 5HP

HP	Brake Torque Ft.Lb.	Synch RPM	Voltage Motor / (Brake)	Frame	Enclosure	Product	Model Number	List Price	Price Symbol	"C" Dim.	Notes	Approx. Wt. (lb)
1/2	3	1800	208-230/460 (115/230)	56C	TENV	SABRE	◆ P56X7215	\$658	REM01	14.61	15,34	38
3/4	6	1800	208-230/460 (115/230)	56C	TENV	SABRE	◆ P56X7216	768	REM01	14.61	15,34	43
1	6	1800	208-230/460 (115/230)	56C	TENV	SABRE	◆ P56X7217	885	REM01	14.91"	15,34	50
	6	1800	208-230/460 (115/230)	143TC	TEFC	SABRE	◆ P14X7235	885	REM01	16.05"	15,34	52
1.5	10	1800	208-230/460 (115/230)	145TC	TEFC	SABRE	◆ P14X7236	966	REM01	17.35	15,34	60
2	10	1800	208-230/460 (115/230)	145TC	TEFC	SABRE	◆ P14X7237	1,015	REM01	18.11"	15,34	64
3	15	1800	208-230/460 (115/230)	182TC	TEFC	SABRE	◆ P18X7218	1,212	REM01	18.74	15,34,106	81
5	15	1800	208-230/460 (115/230)	184TC	TEFC	SABRE	◆ P18A7219	1,255	REM01	19.74	15,34,106	87

## C-Face Footless 1/2 - 10HP

HP	Brake Torque Ft.Lb.	Synch RPM	Voltage Motor / (Brake)	Frame	Enclosure	Product	Model Number	List Price	Price Symbol	"C" Dim.	Notes	Approx. Wt. (lb)
1/2	3	1800	208-230/460 (115/230)	56C	TENV	SABRE	◆ P56X7210	\$668	REM01	14.91"	15,34	38
3/4	6	1800	208-230/460 (115/230)	56C	TENV	SABRE	◆ P56X7211	778	REM01	14.91"	15,34	43
1	6	1800	208-230/460 (115/230)	56C	TENV	SABRE	◆ P56X7212	895	REM01	14.91"	15,34	50
	6	1800	208-230/460 (115/230)	143TC	TEFC	SABRE	◆ P14X7240	895	REM01	16.05"	15,34	52
	6	1800	208-230/460 (115/230)	143TC	TEFC	XEX	◆ P14G7677	1,125	RXM01	18.91"	34,50	80
1.5	10	1800	208-230/460 (115/230)	145TC	TEFC	SABRE	◆ P14X7241	976	REM01	18.11"	15,34	60
	10	1800	208-230/460 (115/230)	145TC	TEFC	XEX	◆ P14G7678	1,237	RXM01	18.91"	34,50	90
2	10	1800	208-230/460 (115/230)	145TC	TEFC	SABRE	◆ P14X7242	1,025	REM01	18.11"	15,34	64
	10	1800	208-230/460 (115/230)	145TC	TEFC	XEX	◆ P14G7679	1,275	RXM01	18.91"	34,50	94
3	15	1800	208-230/460 (115/230)	182TC	TEFC	SABRE	◆ P18X7213	1,238	REM01	21.49"	15,34,106	81
5	15	1800	208-230/460 (115/230)	184TC	TEFC	SABRE	◆ P18A7214	1,281	REM01	21.49"	15,34,106	87
7.5	35	1800	208-230/460 (115/230)	213TC	TEFC	CALIBRE	◆ P21G1783	1,879	REM57	30.13"	15,34	136
10	50	1800	208-230/460 (115/230)	215TC	TEFC	CALIBRE	◆ P21G1784	2,069	REM57	30.63"	15,34	146

◆ - Inverter Duty. See page M-273

■ Cast Iron Frame

For pricing information or to place orders, go to [www.PTplace.com](http://www.PTplace.com)

# Variable Frequency Brake Motor

## E-Z KLEEN Plus

### Totally Enclosed - IP56

#### Electrical Characteristics

<b>Phase:</b> 3	<b>Duty Cycle:</b> Continuous
<b>Frequency:</b> 60 Hz	<b>Insulation:</b> Class F
<b>Ambient:</b> 40° C	<b>Temp. Rise:</b> Class B
<b>Service Factor:</b> 1	<b>Brake Voltage:</b> 115/230
<b>Brake Phase:</b> 1	<b>Motor Voltage:</b> 208-230/460

#### Key Information

**Warranty** (From Date Of Manufacture / From Date Of Installation):  
(24/12)

**Nameplate Agency Approvals:**  
CE, CSA, UL

#### Application Information

The variable frequency brake motor is designed for use in severe washdown processing applications on inverter power where the brake is separately connected to a low voltage power supply. Brake is mechanically set, electrically released with DC coil and built in rectifier, 115/230 volt input. All brakes have mechanical release lever.

#### CONSTRUCTION FEATURES

##### 56 - 180T Frames

<b>Materials:</b>	Plated steel frame; Cast aluminum conduit box, fan cover and end shields. Brake is aluminum
<b>Conduit Box:</b>	Oversized, top mounted with F1 & F2 lead outlets. Stainless steel conduit box lid with neoprene gasket.
<b>Bearing Type:</b>	Double sealed ball bearings. Permanently lubricated with moisture resistant grease.
<b>Bearing Protection:</b>	Lip seals (both ends of TEFC). Shaft slinger on drive end.
<b>Shaft Material:</b>	300 series stainless steel
<b>Nameplate Material:</b>	Adhesive Mylar
<b>Drain Type &amp; Location:</b>	Drain locations every 90 degrees on both end brackets with T-Drains located at lowest point.
<b>Additional Features:</b>	USDA accepted gloss white epoxy finish. Corrosion resistant internal epoxy coating. Motor performance is optimized for variable speed performance. Brake leads are in the conduit box and can be connected separately. These brake motors will operate in both the horizontal and vertical positions. Brake voltage is single phase 115/230 and NEMA 4X.
<b>Brake Leads:</b>	Leads out the brake for connecting to separate circuit.



##### 210T Frames

<b>Materials:</b>	Smooth cast iron frame, end shields and fan cover. Steel conduit box.
<b>Conduit Box:</b>	F1 location, diagonally split, rotatable in 90 degree increments.
<b>Bearing Type:</b>	Double shielded ball bearings.
<b>Bearing Protection:</b>	Lip seals both ends. Shaft slinger on drive end.
<b>Shaft Material:</b>	High strength carbon steel
<b>Nameplate Material:</b>	Stainless steel
<b>Drain Type &amp; Location:</b>	Drain locations every 90 degrees on both end brackets with T-Drains located at lowest point.
<b>Additional Features:</b>	Motor performance is optimized for variable speed performance. Brake leads are in the conduit box and can be connected separately. These brake motors will operate in both the horizontal and vertical positions. Brake voltage is single phase 115/230.
<b>Brake Leads:</b>	Leads out brake for connection to separate circuit.

For additional product information, go to [www.reliance.com](http://www.reliance.com)

# Variable Frequency Brake Motor

## E-Z KLEEN Plus

### Totally Enclosed IP56

#### C-Face Footless 1/2 - 10 HP

HP	Brake Torque Ft.Lb.	Synch RPM	Voltage	Frame	Enclosure	Model Number	List Price	Price Symbol	Norm. Stock	"C" Dim.	Notes	Approx. Wt. (lb)
1/2	3	1800	208-230/460	56C	TENV	◆ P56X7462	\$1,078	REM03	Yes	15.21"	15,34	40
3/4	6	1800	208-230/460	56C	TENV	◆ P56X7463	1,202	REM03	Yes	15.21"	15,34	47
1	6	1800	208-230/460	56C	TENV	◆ P56X7464	1,210	REM03	Yes	16.21"	15,34	55
	6	1800	208-230/460	143TC	TENV	◆ P14X7412	1,210	REM03	Yes	16.28"	15,34	55
1.5	10	1800	208-230/460	143TC	TEFC	◆ P14X7413	1,218	REM03	Yes	18.44"	15,34	65
2	10	1800	208-230/460	145TC	TEFC	◆ P14X7414	1,296	REM03	Yes	18.44"	15,34	70
3	15	1800	208-230/460	182TC	TEFC	◆ P18X7223	1,378	REM03	Yes	21.75"	15,34,106	87
5	15	1800	208-230/460	182TC	TEFC	◆ P18A7224	1,421	REM03	Yes	21.75"	15,34,106	93
7.5	35	1800	208-230/460	213TC	TEFC	◆ P21G1785	2,734	REM57	N	31.38"	15,32,43	140
10	50	1800	208-230/460	215TC	TEFC	◆ P21G1786	3,200	REM57	N	31.38"	15,32,43	150

◆ - Inverter capable. See page M-273

Cast Iron Frame

For pricing information or to place orders, go to [www.PTplace.com](http://www.PTplace.com)