

## Gearmotors

### P240 Series - SUB-FHP - AC Gearmotors Output Torque - 43-391 In-Lbs.



#### Features:

- Permanent split capacitor design rated for 115/230VAC 60/50 HZ input
- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Shafts are hardened steel
- Optional conduit box available

#### Application Notes:

- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- The motor's stall torque could exceed recommended full load torques causing gearhead damage, especially in ratios of 60:1 and higher. Provisions to limit the torque are recommended
- Overhung load capacities shown are at center of output shaft
- All P240 Series gearmotors are supplied with continuous duty "run" capacitor
- For additional information, see Bulletin 1830
- **Bison/Dayton direct interchange**

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## P240 Series - SUB-FHP - AC Gearmotors Output Torque - 43-391 In-Lbs.

### Single Phase - 115/230 Volts - TEFC - P240 Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock
8	345	1/15	M1145029.00	✓
15	250	1/15	M1145023.00	✓
16	391	1/6	M1145030.00	✓
30	135	1/15	M1145024.00	✓
30	295	1/6	M1145031.00	✓
40	219	1/6	M1145032.00	✓
45	92	1/15	M1145025.00	C/A
60	157	1/6	M1145033.00	✓
70	61	1/15	M1145026.00	✓
90	103	1/6	M1145034.00	✓
97	43	1/15	M1145027.00	✓
139	30	1/15	M1145028.00	✓
156	60	1/6	M1145035.00	✓

C/A - Check Availability

Note 12 - TENV

Specifications are subject to change without notice

Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps 115	Over-hung Load (lb.)	Dimensions (inches)				Capacitor Mfd. 240 VAC	♥ Notes
					P	X	XL	XH		
M38P17NZ26	P243-38D	216	1.0	491	3.85	3.50	10.46	8.96	7.5	S, US, 13
M38P17NZ20	P243-38D	114	1.0	407	3.85	3.50	10.46	8.96	7.5	S, US, 13
M38P17FZ9	P243-38F	103	2.1	399	4.43	3.50	12.13	10.63	15	S, US, 12
M38P17NZ21	P242-38D	52	1.0	330	3.85	3.50	10.46	8.96	7.5	S, US, 13
M38P17FZ10	P243-38F	58	2.1	330	4.43	3.50	12.13	10.63	15	S, US, 12
M38P17FZ11	P243-38F	43	2.1	303	4.43	3.50	12.13	10.63	15	S, US, 12
M38P17NZ22	P242-38D	35	1.0	292	3.85	3.50	10.46	8.96	7.5	S, US, 13
M38P17FZ12	P242-38D	29	2.1	268	4.43	3.50	12.13	10.63	15	S, US, 12
M38P17NZ23	P242-38D	23	1.0	256	3.85	3.50	10.46	8.96	7.5	S, US, 13
M38P17FZ13	P242-38D	19	2.1	237	4.43	3.50	12.13	10.63	15	S, US, 12
M38P17NZ24	P242-38D	16.5	1.0	232	3.85	3.50	10.46	8.96	7.5	S, US, 13
M38P17NZ25	P242-38D	11.5	1.0	208	3.85	3.50	10.46	8.96	7.5	S, US, 13
M38P17FZ14	P242-38D	10.6	2.1	201	4.43	3.50	12.13	10.63	15	S, US, 12

♥ Note listing on inside back flap

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## P240 Series - SUB-FHP - AC Gearmotors

### IP55 AC Washguard® Gearmotors

#### General Specifications - SCR Rated Gearmotors:

Single and Three-phase washdown duty gearmotors rated for continuous duty applications. Permanent split designed single-phase motors include capacitor in conduit box. Motors are designed for extended life in applications requiring regular washdown or otherwise wet environments. Avoid shaft up applications, with motor below, should shaft seal fail.

#### Features:

- 304 Stainless steel external shafts
- White epoxy painted motors
- O-rings and gaskets used for sealing
- Hardened Worm-type gearing used
- Interior components protected against corrosion
- Ball bearings used in gear housing
- Sealed output shafts
- Output shafts have needle bearings for high load capacities
- UL listed and CSA certified



### 115/230 Volts - 1 & 3-Phase - TEFC - P240 Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock
16	391	1/1810	M1145138.00	✓
40	219	1/1810	M1145139.00	✓
156	60	1/1810	M1145140.00	✓
16	391	4/1280	M1145144.00	✓
30	295	4/1280	M1145145.00	✓

Specifications are subject to change without notice

Model Number	Gearmotor Type & Frame	Ratio to 1	Voltage	F.L. Amps 230 V	Phase	Over-hung Load (Lbs.)
M38P17FZ39	P240	103	115/230	1.05	1	399
M38P17FZ40	P240	43	115/230	1.00	1	303
M38P17FZ41	P240	10.6	115/230	1.00	1	201
M38T17FZ20	P240	103	230	0.72	3	237
M38T17FZ21	P240	58	230	0.72	3	237

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