

AEGIS SHAFT GROUND RING INSTALLED**APPLICATIONS:**

- Fans & Blowers
- Pumps
- Compressors
- HVAC Equipment

The AEGIS® SGR Bearing Protection Ring prevents electrical bearing fluting damage by safely diverting harmful shaft voltages and bearing currents to ground. Using proprietary electron Transport Technology™, the conductive microfibers™ inside the AEGIS® SGR provide the most reliable current diversion technology for shaft grounding with a "path of least resistance" to dramatically extend motor life. AEGIS® SGR Rings have a warranty of 1 year.

FEATURES:

- 1 - 75 HP
- 3600, 1800, 1200 RPM
- Totally Enclosed Fan Cooled (IP54)
- Meets or Exceeds NEMA Premium Efficiency Levels
- Department of Energy Efficiency Certificate #CC002A
- 36 Month Warranty from Date of Manufacture
- 60 Hz – 230/ 460V (Usable on 208V). 150 HP and Larger is 460V Only
- 1.15 Service Factor – Continuous
- 50 Hz Data on Nameplate - 190/ 380V at 1.0 S.F. 150 HP and Larger is 380V Only at 1.0 S.F.
- Class F Insulation with Phenolic Alkyd Resin Varnish – 2 Dips and Bakes
- Class B Temperature Rise
- NEMA Design B Torques as a Minimum, Design C motors are denoted with a subscript "C"
- Oversized Main Conduit Box Rotatable in 90 Degree Increments – Fully Gasketed F1 Mounted. F2 Available - See EXTRAS/OPTIONS Below
- Designed for 40°C Ambient Temperature - Note (1)
- Designed for 3300 ft. Elevation - Note (2)
- CSA Certified for Class 1, Div. 2, Groups B, C, D; Temp Code T3, 440T and Below
- Bi-Directional Rotation
- Cast Iron Frame, End Brackets, Pressed Steel Fan Cover and Conduit Box
- Dual Drilled Feet - Longer Frames (i.e. 145T Drilled also for 143T)
- Provisions for Breather Drains for vertical Mount, Plugged
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Blue Gray – Munsell 7.5 BG 3.5/ .05
- Vacuum De-Gassed Re-Greasable Bearings for Frames 280TS-449T/TS with Polyrex EM Grease
- Double Shielded Bearings on Frames 140T-280T Pre-Packed with MULTEMP SRL Grease
- Automatic Grease Discharge on Frames on Re-Greaseable Motors
- Labyrinth Type Metal Flinger on Both Ends for Frames 280TS-449T/TS
- Cast Iron Inner and Outer Bearing Caps for Frames 280TS-449T/TS
- Rubber Flinger on Drive-End for Frames 140T - 280T
- Grounding Terminal Inside Main Box
- Stainless Steel Nameplate
- Inverter Duty Magnet Wire Capable of Withstanding Voltage Spikes of Up to 2200 Volts
- Speed Ranges: 20:1 VT, 10:1 CT
- 9 Leads - 5 HP and Below, 12 Leads 7.5 HP - 125 HP, 6 Leads - 150 HP and Larger
- CE Mark on Nameplate, U.L. Recognized and CSA Approved

EXTRAS/ OPTIONS:

Please refer to pages 114 - 119 for common modifications that can be performed.

Notes:

- (1) Please consult factory for suitability in higher ambients.
- (2) Please consult factory for suitability in higher elevations.
- (3) Motor service factor is 1.0 when operated on a VFD.

TYPE: AEHH8P - NEMA PREMIUM

Effective 06-14-15
Supercedes 05-01-13

AEGIS SHAFT GROUND RING INSTALLED



CATALOG NO.	HP	RPM	FRAME	FL EFF (%)	FL PF (%)	FL AMPS (460V)	SHIPPING WT. (lbs.)	LIST PRICE (\$)
NP0012G	1	3600	143T	82.5	85.0	1.34	83	504
NP0014G ⁽¹⁾	1	1800	143T	85.5	73.0	1.50	48	522
NP0016G ⁽¹⁾	1	1200	145T	82.5	65.5	1.73	90	642
NP1/52G	1.5	3600	143T	84.0	83.5	2.00	85	573
NP1/54G	1.5	1800	145T	86.5	78.0	2.08	78	578
NP1/56G ⁽¹⁾	1.5	1200	182T	87.5	63.5	2.53	120	703
NP0022G	2	3600	145T	86.5	86.0	2.52	62	607
NP0024G	2	1800	145T	86.5	78.0	2.78	90	616
NP0026G	2	1200	184T	88.5	70.5	3.00	132	772
NP0032G	3	3600	182T	88.5	90.0	3.53	130	735
NP0034G	3	1800	182T	89.5	84.0	3.74	135	716
NP0036G ⁽¹⁾	3	1200	213T	89.5	78.0	4.02	164	991
NP0052G	5	3600	184T	88.5	92.5	5.72	135	881
NP0054G	5	1800	184T	89.5	85.5	6.12	133	809
NP0056G	5	1200	215T	91.0	82.5	6.24	210	1,387
NP7/52G	7.5	3600	213T	91.0	89.0	8.67	180	1,178
NP7/54G	7.5	1800	213T	91.7	86.5	8.85	200	1,173
NP7/56G ⁽¹⁾	7.5	1200	254T	91.0	80.5	9.59	315	1,912
NP0102G	10	3600	215T	91.0	89.5	11.50	220	1,340
NP0104G	10	1800	215T	91.7	88.0	11.60	219	1,380
NP0106G ⁽¹⁾	10	1200	256T	91.0	80.5	12.80	340	2,279
NP0152G	15	3600	254T	92.4	91.5	16.60	325	1,853
NP0154G	15	1800	254T	92.4	88.0	17.30	316	1,808
NP0156G ⁽¹⁾	15	1200	284T	92.4	83.5	18.20	530	3,107
NP0202G	20	3600	256T	92.4	92.5	21.90	380	2,309
NP0204G ⁽¹⁾	20	1800	256T	93.0	87.5	23.00	395	2,226
NP0206G ⁽¹⁾	20	1200	286T	91.7	84.0	24.30	520	3,842
NP0252G	25	3600	284TS	92.4	91.0	27.80	460	2,891
NP0254G ⁽¹⁾	25	1800	284T	93.6	86.0	29.10	510	2,718
NP0256G ⁽¹⁾	25	1200	324T	93.0	83.0	30.30	745	4,783
NP0302G	30	3600	286TS	93.0	91.0	33.20	508	3,381
NP0304G ⁽¹⁾	30	1800	286T	93.6	87.5	34.30	545	3,262
NP0306G ⁽¹⁾	30	1200	326T	93.0	80.5	37.50	775	5,299
NP0402G	40	3600	324TS	94.1	90.0	44.20	650	4,445
NP0404G ⁽¹⁾	40	1800	324T	94.1	86.0	46.30	710	4,345
NP0406G ⁽¹⁾	40	1200	364T	94.1	86.5	46.00	945	6,929
NP0502G	50	3600	326TS	94.1	91.0	54.70	775	5,896
NP0504G ⁽¹⁾	50	1800	326T	94.5	87.0	56.90	795	5,440
NP0506G ⁽¹⁾	50	1200	365T	94.1	86.0	57.80	1040	8,477
NP0602G	60	3600	364TS	94.1	93.0	64.20	890	7,674
NP0604G ⁽¹⁾	60	1800	364T	95.0	86.5	68.40	870	6,967
NP0606G ⁽¹⁾	60	1200	404T	94.5	87.0	68.30	1,295	10,101
NP0752G ⁽¹⁾	75	3600	365TS	94.5	93.0	79.90	970	9,761
NP0754G ⁽¹⁾	75	1800	365T	95.4	86.5	85.10	1,075	8,913
NP0756G ⁽¹⁾	75	1200	405T	94.5	86.5	85.90	1,317	11,941

Notes:

(1) Meets NEMA Design C Torque. All other motors are NEMA Design B Torque.