GLOBAL WPI

ASHA, HIGH EFFICIENCY, MEDIUM VOLTAGE [P]

Effective 07-08-18
Supercedes 03-24-17

APPLICATIONS:

- Pumps
- Fans & Blowers
- Compressors

FEATURES:

- Output Range: 100 - 1000 HP
- Speed: 3600, 1800, 1200 & 900 RPM(1)
- Enclosure: Weather Protected Type I (WPI)
- Voltage: 2300/4160V
- Three Phase, 60 Hz, 1.15 Service Factor (Continuous)
- Standard Features: 100 Ohm Platinum Stator RTD's (2 per Phase), Space Heaters (120V)
- Class F Insulation
- Class B Temperature Rise
- NEMA Design B Torques
- Oversized Main Conduit Box Rotatable in 90 Degree Increments. Fully Gasketed with NPT Threaded Entrance - F1 Mounted
- Designed for 40˚C Ambient Temperature(2)
- Designed for 3300 ft. Elevation(3)
- Rotation: Bi-Directional Except 2 Pole which is Counter-Clockwise (CCW) facing the Drive End
- Cast Iron Frame and End Brackets
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction for F#449T and Below
- Squirrel Cage Copper or Copper Alloy Bar Rotor Construction for F#5000 and Above
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Dark Gray - Munsell 7.5B 3.5/0.5
- High Quality Ball (or Roller) Bearings Regreasable with Mobil Polyrex™ EM
- Insulated Non-Drive End Bearing on 2 Pole Motors; 600 HP and Larger
- Labyrinth Type Metal Flinger on Both Ends
- Cast Iron Inner and Outer Bearing Caps
- Grounding Terminal Inside Main Box and on Motor Foot
- Stainless Steel Nameplate
- Suitable for Inverter Use per NEMA MG-1 Part 31.4.4.2(4,5)
- 6 Leads
- Motors are CSA Approved

EXTRAS/ OPTIONS:

Please refer to pages 147 - 154 for common modifications that can be performed.

Notes:

(1) Slower speeds available as Made to Order.
(2) Consult a Stock Product Application Specialist for suitability in higher ambient environments, and for variable and constant torque speed ranges.
(3) Consult a Stock Product Application Specialist for suitability at higher elevations.
(4) Motor service factor is 1.0 when operated on a VFD.
(5) Precautions should be taken to eliminate or reduce shaft currents that may be imposed on the motor by the VFD as stated per NEMA MG-1. Part 31. An isolation transformer or other method of mitigating common mode voltages from motor terminals must be utilized. Please refer to page 209 to check out our accompanying TEAMMaster™ starters.

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CATALOG NO.	HP	RPM	FRAME	FL EFF (%)	FL PF (%)	FL AMPS (2300V)	APPROX. SHIPPING WT. (lbs.)	
P1002	100	3600	444TS	91.0	90.2	22.8	1,292	
P1004	100	1800	444T	91.0	87.5	23.5	1,680	
P1006	100	1200	445T	91.0	80.0	25.7	2,205	
P1006R	100	1200	445T	91.0	80.0	25.7	2,205	
P1252	125	3600	444TS	91.0	90.2	28.5	1,370	
P1254	125	1800	444T	91.0	87.5	29.4	1,490	
P1256	125	1200	447T	91.7	80.0	32.0	2,139	
P1256R	125	1200	447T	91.7	80.0	32.0	2,139	
P1502	150	3600	445TS	91.7	90.2	34.0	1,450	
P1504	150	1800	445T	91.7	87.5	35.0	1,645	
P1506	150	1200	449T	91.7	80.0	38.0	2,547	
P1506R	150	1200	449T	91.7	80.0	38.0	2,547	
P2002	200	3600	447TS	91.7	90.2	45.0	1,733	
P2004	200	1800	447T	91.7	87.5	47.0	2,050	
P2004R	200	1800	447T	91.7	87.5	47.0	2,050	
P2006	200	1200	5007C	91.7	81.5	50.1	3,057	
P2502	250	3600	449TS	92.4	91.0	56.0	2,095	
P2504	250	1800	449T	92.4	87.5	58.0	2,668	
P2506	250	1200	5007B	92.4	84.0	60.3	3,362	
P2506R	250	1200	5007C	92.4	84.0	60.3	3,362	
P2508	250	900	5009B	92.4	78.5	64.5	3,990	
P3002	300	3600	449TS	93.0	91.0	66.0	2,280	
P3004	300	1800	5007B	93.0	88.5	68.3	3,255	
P3006	300	1200	5009B	93.0	84.0	71.9	3,945	
P3006R	300	1200	5009C	93.0	84.0	71.9	3,945	
P3008R	300	900	5808C	93.0	80.0	75.5	4,515	
P3502	350	3600	5007A	93.0	90.2	78.1	2,991	
P3504	350	1800	5007B	93.6	88.5	79.1	3,465	
P3506R	350	1200	5009C	93.0	84.0	83.9	3,938	
P4002	400	3600	5009A	93.6	90.5	88.4	3,485	
P4004	400	1800	5009B	93.6	89.5	89.4	4,065	
P4004R	400	1800	5009C	93.6	89.5	89.4	4,065	
P4006	400	1200	5808B	93.6	85.5	93.6	5,055	
P4006R	400	1200	5808C	93.6	85.5	93.6	5,055	
P4008	400	900	5808B	93.0	81.5	98.8	5,250	
P4008R	400	900	5808C	93.0	81.5	98.8	5,250	
P4502	450	3600	5808A	93.6	91.0	98.9	5,145	
P4504	450	1800	5808B	93.6	88.5	102.0	4,200	
P4506	450	1200	5808B	93.6	85.5	105.0	5,640	
P4506R	450	1200	5808C	93.6	85.5	105.0	5,640	
P5002	500	3600	5808A	94.1	91.0	109.0	4,680	
P5004	500	1800	5808B	94.1	89.5	111.0	5,115	
P5006	500	1200	5808B	94.1	85.5	116.0	6,038	
P5006R	500	1200	5808C	94.1	85.5	116.0	6,038	
P5008	500	900	5810B	93.6	82.5	121	6,325	
P6002	600	3600	5808A	94.5	91.3	130	5,135	
P6004	600	1800	5808B	94.1	89.5	133	5,418	
P6006R	600	1200	5810C	94.1	86.5	138	6,120	
P6008	600	900	6806B	94.1	84.0	142	6,983	
P7002	700	3600	5810A	94.5	91.7	151	5,410	
P7004	700	1800	5808B	94.5	90.2	154	5,355	
P7004R	700	1800	5808B	94.5	90.2	154	5,355	
P7006R	700	1200	5810C	94.5	86.5	160	6,625	
P7008	700	900	6808B	94.5	84.0	165	7,860	
P8002	800	3600	5810A	95.0	91.7	172	5,475	
P8004	800	1800	5810B	94.5	90.2	176	5,828	
P8006	800	1200	6806B	94.5	86.5	183	7,770	
P8006R	800	1200	6806C	94.5	86.5	183	7,770	
P8008R	800	900	6808C	94.5	84.5	188	8,820	
P9002	900	3600	5810A	95.0	91.7	193	5,685	
P9004	900	1800	5810B	95.0	90.2	197	6,143	
P9006	900	1200	6806B	95.0	86.5	205	8,190	
P10002	1000	3600	5810A	95.0	90.2	214	5,950	
P10004	1000	1800	6806B	95.0	90.2	219	7,750	
P10006R	1000	1200	6808C	95.0	86.5	228	8,610	

Notes:

(1) Data subject to change without notice.

(2) "R" at the end of the Catalog number means motor has Roller Bearing on the Drive End.