

marathon[®]
Motors

3-Phase, C-Face,
Footed (Rigid Base)

Powerwash SXT Washdown Duty, 3-Phase, All Stainless Steel, Totally Enclosed Motors



Motor Shipping Schedule *

Same or one day * Up to 7 days Up to 10 days

Color indicates shipping lead time in business days. Check stock status online.

* Certain heavy and oversized items can be shipped only via LTL. Check our website for current shipping method constraints by part number.

Features

- Suitable for use on VFD 10:1 Variable torque, 10:1 (TEFC) or 1000:1 (TENV) Constant Torque
- MAX GUARD[®] Class F insulation system
- 1.15 Service Factor on sinewave, 1.0 Service Factor on VFD power
- Double-sealed ball bearings
- 303 stainless steel shaft with spring-loaded contact seals in each end (drive end only on TENV)
- 300 Series Stainless steel external construction: frame, end shields, conduit box, mounting base and hardware for superior corrosion resistance
- Internal corrosion resistant coatings on rotor and heavy polyester varnish on the stator
- 100% paint-free construction
- One-way condensation drains in each end shield and conduit box for all angle mounting
- Nitrile Buna-N gaskets and seals on conduit box, through bolts and end shields
- Rated 60/50 Hz, 190/380 volt at next lower horsepower
- Nameplate information laser etched on frame
- UL Recognized, CSA Certified and CE Mark
- IP55 Rating

Applications

- Replaces 90 volt and 180 volt PMDC motors (when used with AC variable frequency drives)
- Typical uses include: machine tools, conveyors, packaging machines, batching machines, food and beverage equipment, pumps and fans.

Motor Specifications – Powerwash SXT Washdown Duty 3-Phase All Stainless Steel Totally Enclosed Motors

Part Number*	Price	HP	Base RPM	Volts	Encl.	NEMA Design	NEMA Frame	Model No.	F.L. Amps	Weight (lb)*	Footnotes	Drawing Links	
N411		1/2	1800	208-230 / 460 - 190 / 380	TENV	B	56C	56T17VD5328 A	1.5-1.6 / 0.8 - 1.6 / 0.8	23.8		PDF	
N412		3/4		208-230 / 460 - 190 / 380			56C	56T17VD5327 A	2.4-2.3 / 1.15 - 2.0 / 1.0	31		PDF	
N414A		1		230 / 460 - 190 / 380	TEFC		143TC	143TTWD6026 AA	3.0 / 1.5 - 3.0 / 1.5	44.5		PDF	
N417A		2					56HC	56T17WD15328 A	5.4 / 2.7 - 5.0 / 2.5	52.6	5	PDF	
N418A		2					145TC	145TTWD6029 AA	5.4 / 2.7 - 5.0 / 2.5	53.1		PDF	
N450		1/3	3600	208-230 / 460 - 190 / 380	TENV		56C	56T34VD5301 A	1.1-1.0 / 0.5 - 0.9 / 0.45	27		PDF	
N457A		2		208-230 / 460 - 190 / 380	TEFC		56HC	56T34WD15303 A	5.6-5.0 / 2.5 - 4.6 / 2.3	44.5	5	PDF	
N458A		2					145TC	145TTWD6001 AA	5.6-5.0 / 2.5 - 5.2 / 2.6	45		PDF	

* Refer to the Motor Shipping Schedule table for shipping information.

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Footnotes: 5 = 56H, 143T, and 145T Combination Base with 12 mounting holes



Powerwash SXT Washdown Duty, 3-Phase, All Stainless Steel, Totally Enclosed Motors

3-Phase, Footed
(Rigid Base)

Performance Data

Performance Data – Powerwash SXT Washdown Duty 3-Phase All Stainless Steel Totally Enclosed Motors													
Part Number	HP	F.L. RPM	Min. RPM	F.L. AMPS @460V	N.L. AMPS @460V	F.L. Torque (lb-ft)	B.D. Torque (lb-ft)	Max. CHP RPM*	Max. Safe RPM	F.L. Effic.	F.L. Power Factor	Rotor Inertia (lb-ft ²)	Footnotes
<u>N411</u>	1/2	1740	174	0.8	0.6	1.15	5.56	3600	5400	81.5	68	N/A**	10:1 Variable Torque Nameplate footnote: Suitable at 208V at 1.0 S.F.
<u>N412</u>	3/4	1740	174	1.15	0.7	2.25	10.18			82.5	73		
<u>N414A</u>	1	1750	175	1.5	1	2.99	15.83			85.5	71.5		
<u>N417A</u>	2	1750	175	2.7	1.4	5.981	25.44		4000	86.5	80		
<u>N418A</u>	2	1750	175	2.7	1.4	5.981	25.44			86.5	80		
<u>N450</u>	1/3	3450	345	0.5	0.3	8.2	24	5400	7200	74	84.7	0.028	10:1 Variable Torque
<u>N457A</u>	2	3490	349	2.5	0.9	3.001	11.84	2700	4000	85.5	87.5	N/A**	10:1 Variable Torque Nameplate footnote: NEMA Nom. Efficiency suitable for use at 230/460V only.
<u>N458A</u>	2	3450	345	2.5	0.9	3.001	11.84	2700	4000	85.5	87.5		

* Maximum Constant HP RPM is for direct-coupled loads.

** Data not available from manufacturer