

C-Face Footless

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



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 IGBT 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 the 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

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.

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)*
N430		1/3	1800	208-230 / 460 - 190 / 380	TENV	B	56C	56T17VD5329 AA	1.2-1.3 / 0.65 - 1.2 / 0.60	21.2
N431		1/2						56T17VD5330 A	1.5-1.6 / 0.80 - 1.6 / 0.80	23
N437A		2		230 / 460 - 190 / 380	TEFC		56C	56T17WD15332 A	5.4 / 2.7 - 5.0 / 2.5	52
N438B		2		208-230 / 460 - 190 / 380			145TC	145TTWD6528 A	5.8-5.4 / 2.7 - 5.0 / 2.5	52.6

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

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Note: Please review the AutomationDirect Terms & Conditions for warranty and service on this product. Warranty service can be arranged through numerous Marathon Electric service centers. See list of service centers on our website at www.automationdirect.com.

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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-ft2)	Footnotes
<u>N430</u>	1/3	1740	N/A**	0.65	0.5	16	72	N/A**	N/A**	78.5	63	N/A**	Line Start ONLY Recommended!
<u>N431</u>	1/2		1.74	0.8	0.6	24	89	2700	7000	81.5	68		1000:1 Constant Torque Nameplate footnote: Suitable at 208V at 1.0 S.F.
<u>N437A</u>	2	3450	175	2.7	1.4	5.981	25.44	5400	4000	86.5	80		10:1 Variable Torque Nameplate footnote: Suitable at 208V at 1.0 S.F.
<u>N438B</u>	2	1750	N/A**	2.7	1.4	5.981	25.44	N/A**	N/A**	86.5	80		Line Start ONLY Recommended! Nameplate footnote: NEMA Nom. Efficiency, suitable for use at 230/460V only

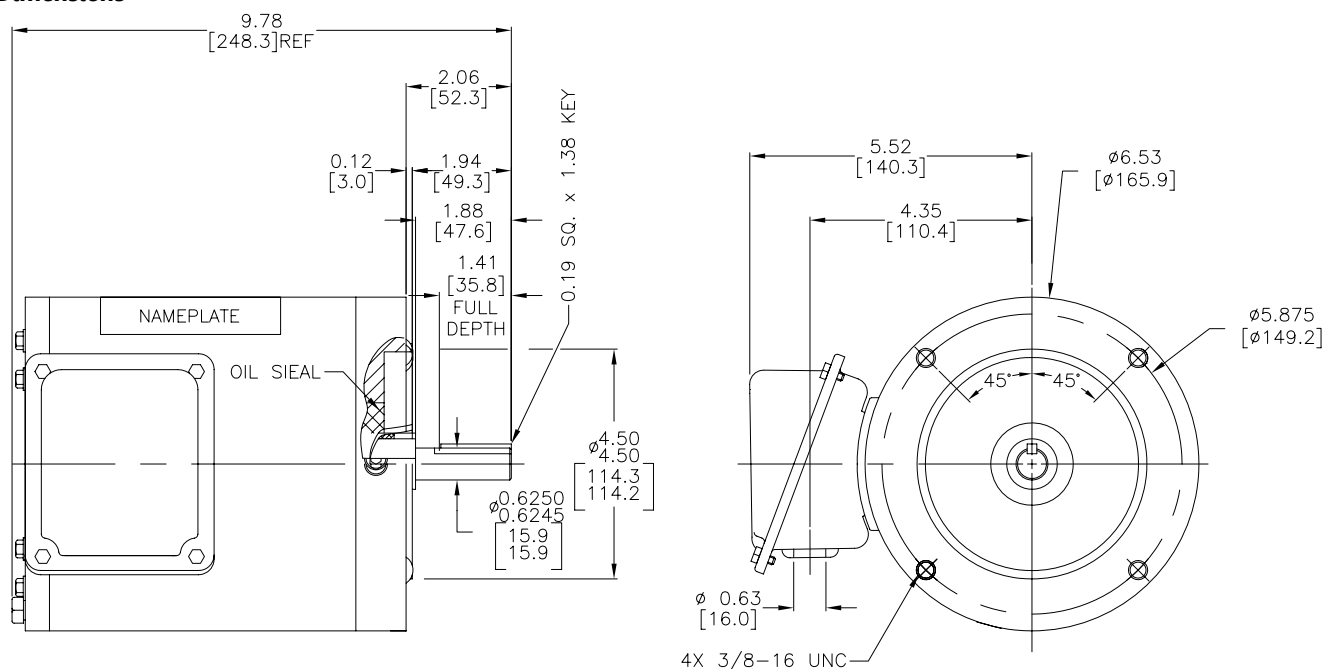
Notes: *Maximum Constant HP RPM is for direct-coupled loads.

**Data not available from manufacturer.

Dimensions in [mm]

**Figure 1 – N430
Dimensions**

See our website: www.AutomationDirect.com for complete engineering drawings.

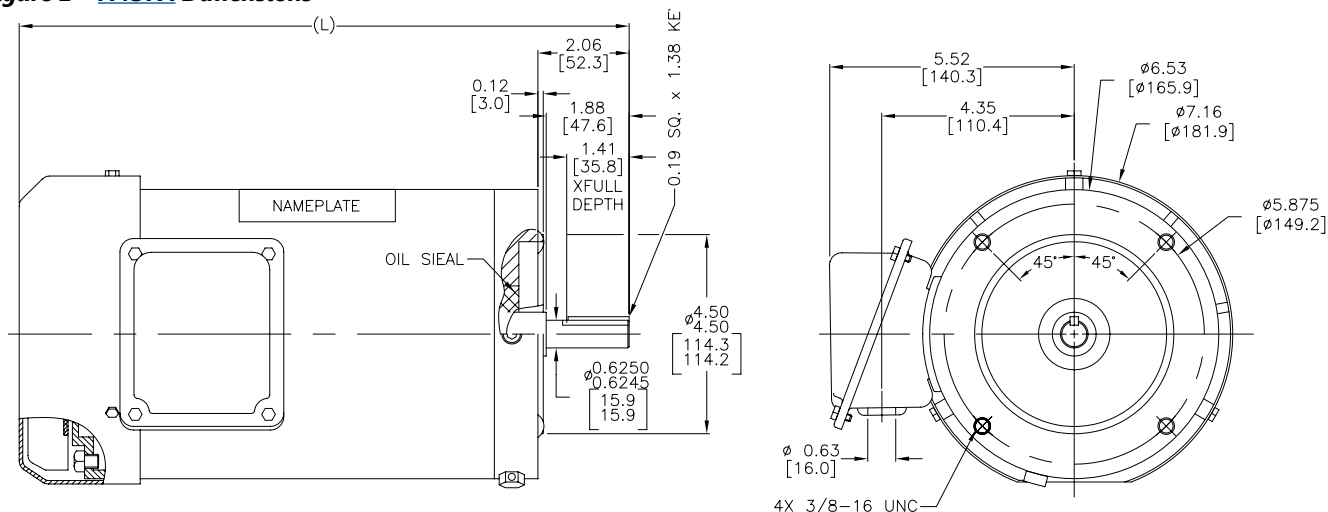


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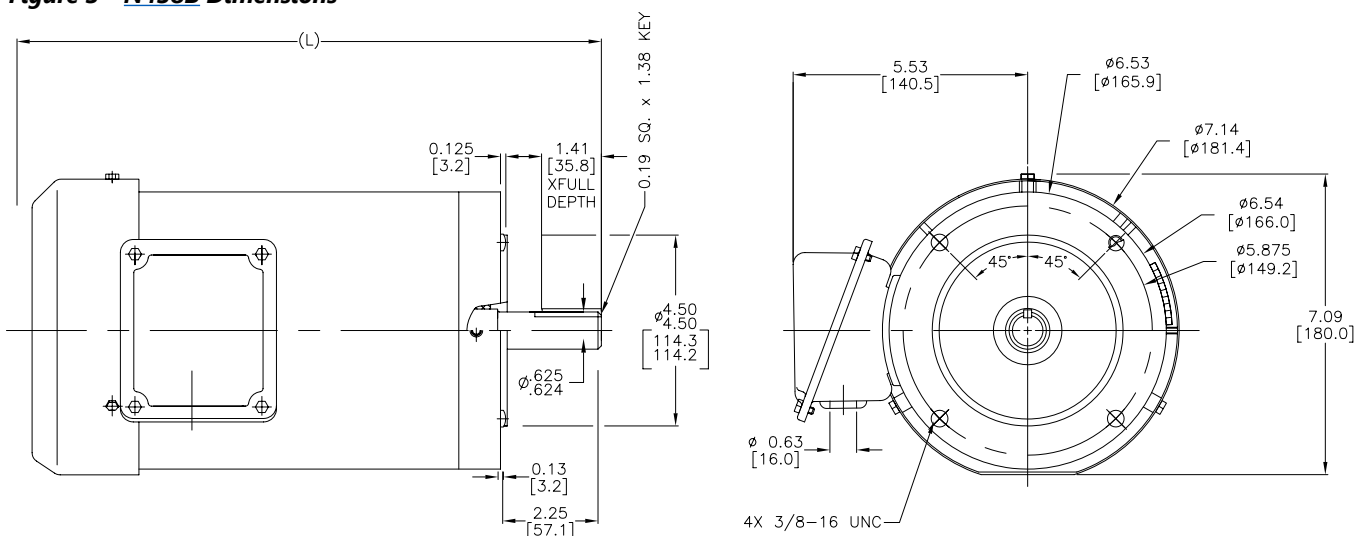
**Dimensions
in [mm]**

Figure 2 – N437A Dimensions



Motor Dimensions (inches)	
Part Number	Length (L)
N437A	14.0

Figure 3 – N438B Dimensions



Motor Dimensions (inches)	
Part Number	Length (L)
N438B	14.1