

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

C-Face Footless



marathon
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, endshields, 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 endshield and conduit box for all angle mounting
- Nitrile Buna-N gaskets and seals on conduit box, through bolts and endshields
- 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 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.

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
N430	\$320.00	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	N
N431	\$330.00	1/2						56T17VD5330 A	1.5-1.6/0.80 - 1.6/0.80	23	N
N432	\$362.00	3/4						56T17VD5331 A	2.4-2.3/1.15 - 2.0/1.0	30.2	N
N433A	\$406.00	1						56T17WD15330 A	3.4-3.0/1.5 - 3.0/1.5	43.5	
N434B	\$469.00	1		230/460 - 190/380	TEFC		143TC	143TTWD6527 FR	3.4-3.0/1.5 - 3.0/1.5	44	
N436A	\$442.00	1-1/2					145TC	145TTWD6031 A	4.8-4.4/2.2 - 3.8/1.9	47	
N437A	\$496.00	2					56C	56T17WD15332 A	5.4/2.7 - 5.0/2.5	52	
N438B	\$535.00	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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Footnotes: N = Totally Enclosed, Non-Ventilated

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

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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
N430	1/3	1740	N/A	0.65	0.5	16	72	N/A	N/A	78.5	63	N/A**	Line Start ONLY Recommended!
N431	1/2		1.74	0.8	0.6	24	89	2700	7000	81.5	68	N/A**	1000:1 Constant Torque Nameplate footnote: Suitable at 208V at 1.0 S.F.
N432	3/4		N/A	1.15	0.7	36	163	N/A	N/A	82.5	73	N/A**	Line Start ONLY Recommended!
N433A	1	1750	175	1.5	1.0	2.99	15.83	2700	4000	85.5	71.5	N/A**	10:1 Variable Torque Nameplate footnote: NEMA Nom. Efficiency, suitable for use at 230/460V only
N434B	1		N/A	1.5	2	2.99	15.83	N/A	N/A	85.5	71.5	N/A**	Line Start ONLY Recommended! Nameplate footnote: NEMA Nom. Efficiency, suitable for use at 230/460V only
N436A	1-1/2		175	2.2	1.3	4.513	21.05	2700	4000	86.5	73.5	N/A**	10:1 Variable Torque
N437A	2	3450	175	2.7	1.4	5.981	25.44	5400	4000	86.5	80	N/A**	10:1 Variable Torque Nameplate footnote: Suitable at 208V at 1.0 S.F.
N438B	2	1750	N/A	2.7	1.4	5.981	25.44	N/A	N/A	86.5	80	N/A**	Line Start ONLY Recommended! Nameplate footnote: NEMA Nom. Efficiency, suitable for use at 230/460V only

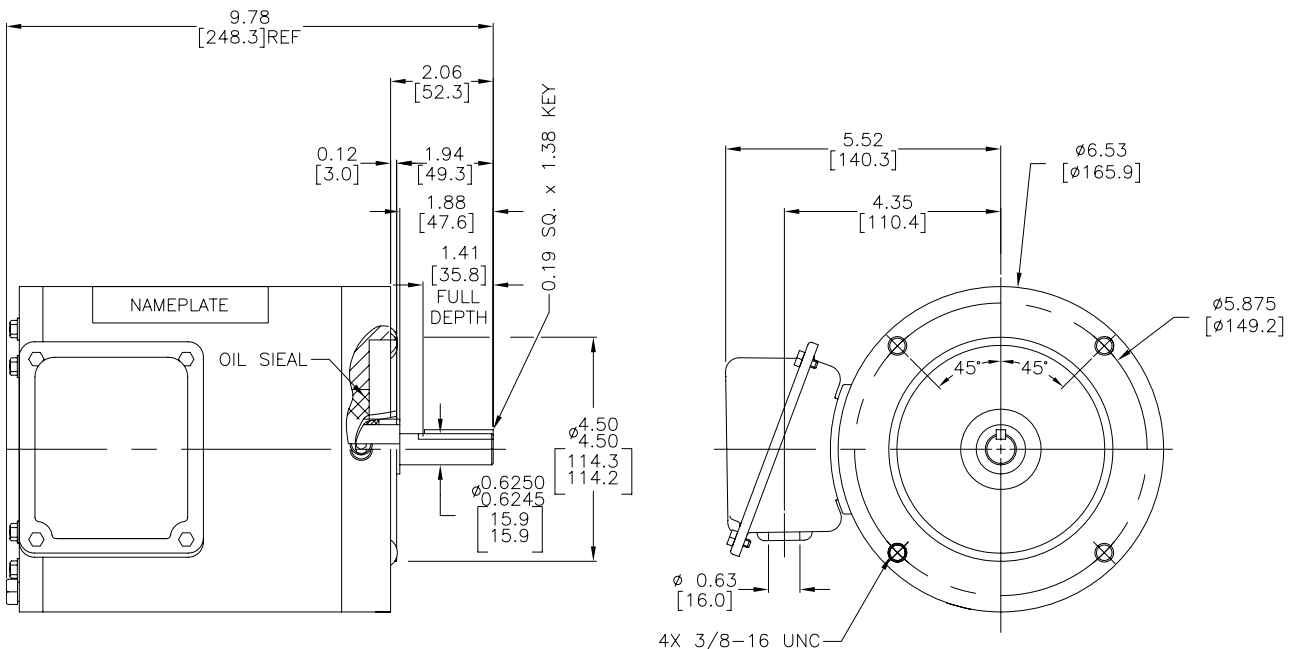
Notes: *Maximum Constant HP RPM is for direct-coupled loads.
**Data not available from manufacturer.

Dimensions

in [mm]

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

Figure 1 – N430-N432 Dimensions



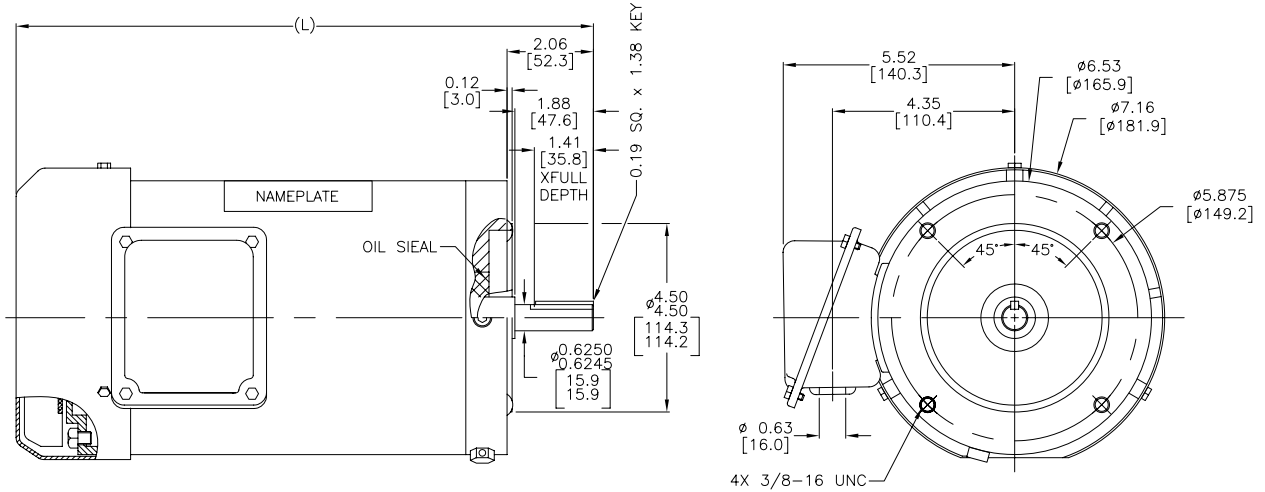
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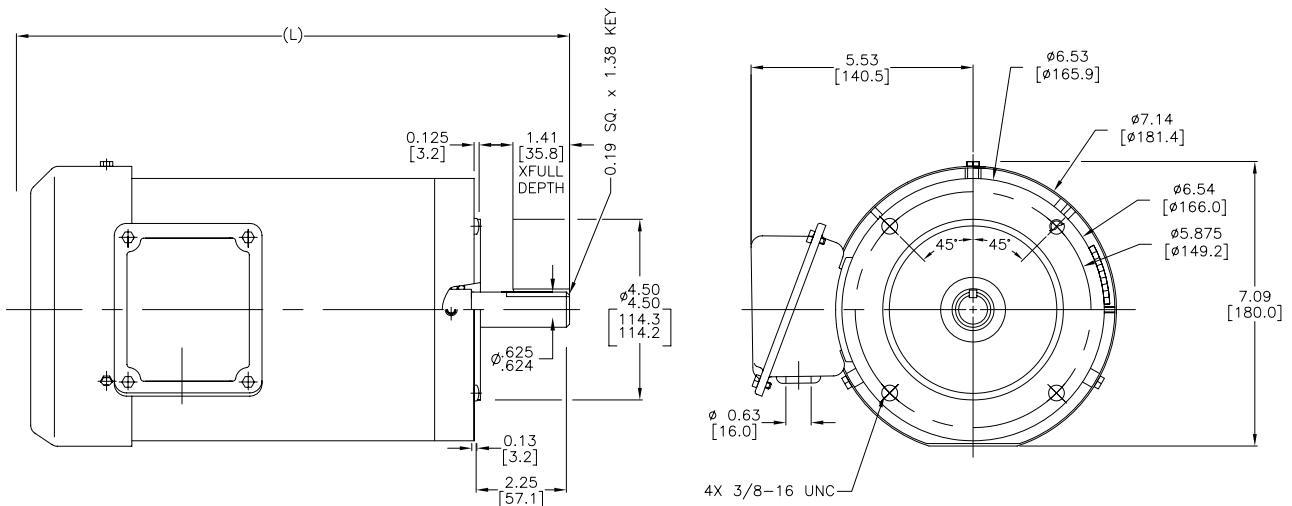
in [mm]

Figure 2 – N433A, N437A Dimensions



Motor Dimensions (inches)	
Part Number	Length (L)
N433A	132
N437A	140

Figure 3 – N434B, N436A, N438B Dimensions



Motor Dimensions (inches)	
Part Number	Length (L)
N434B	13.7
N436A	13.7
N438B	14.1