

Standalone Inverter Duty Motors and SynRA™

Horsepower: 1/4 – 350 HP

Phase: Three Phase

RPM: 1200, 1800 and 3600 RPM

Voltage: 230/460, 460 and 575

Speed Range:

- 20:1 (3-60 Hz) Variable Torque/5:1 (12-60 Hz) Constant Torque
- 20:1 (3-60 Hz) Constant Torque
- 5000:1 Constant Torque Speed Range with ACCU-Torq® Motors

Enclosure:

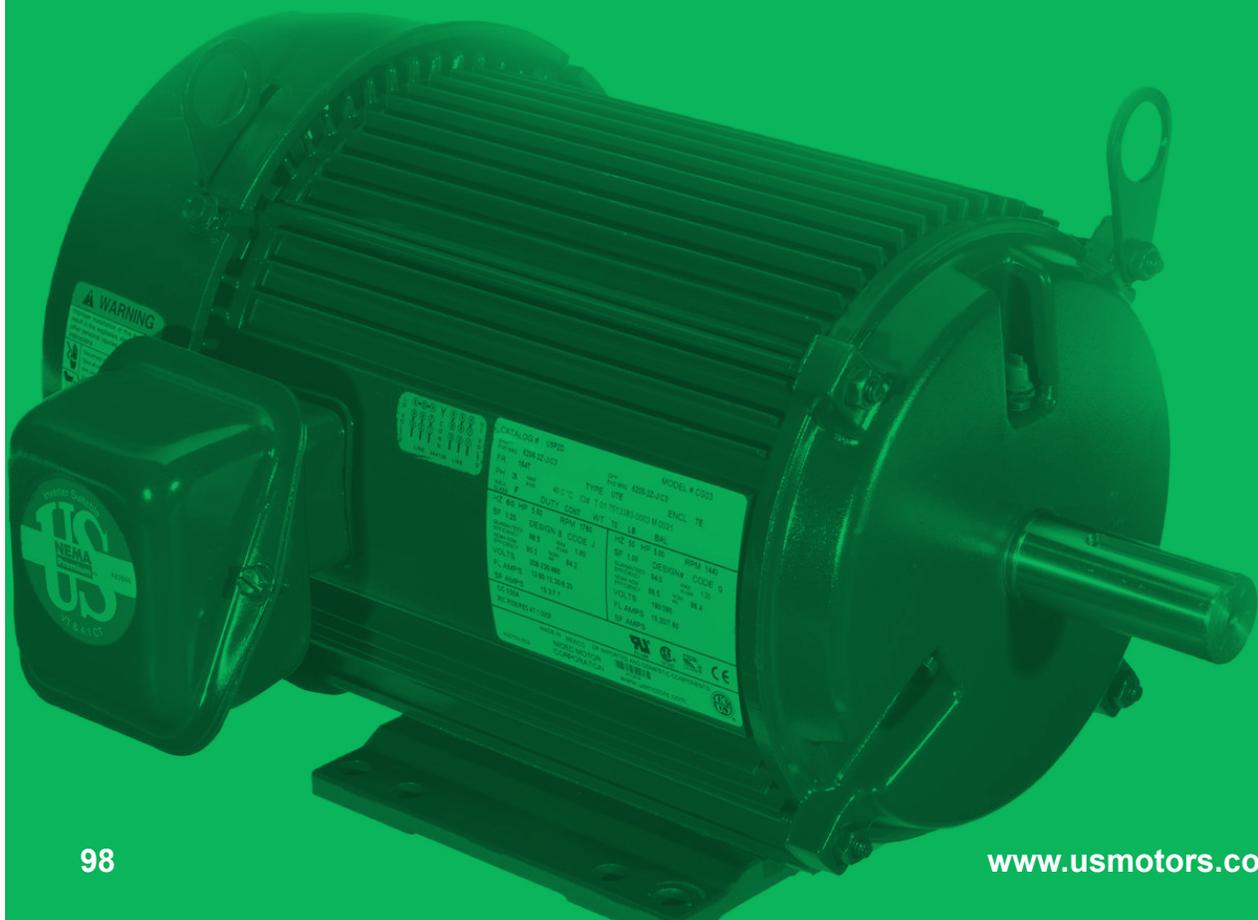
- Open Drip Proof (ODP)
- Totally Enclosed Blower Cooled (TEBC)
- Totally Enclosed Fan Cooled (TEFC)
- Totally Enclosed Non-Ventilated (TENV)

Mounting: Footed and C-Face

Conversion Kits:

Available on most ratings

- All Cast Iron Upgrade
- C&D Flanges
- Canopy Kits
- Brakes
- Encoders



Standalone Inverter Duty Motors and SynRA™



ACCU-Torq® Totally Enclosed, Non-Ventilated (TENV) Vector Duty, C-Face, 5000:1 Constant Torque



UTNX

APPLICATIONS:

For use with inverters and in vector drive applications. Typical applications include machine tools, material handling, packaging machines, test equipment, cranes and hoists, and other industrial machinery.

FEATURES:

- Constant Torque Operation from Zero to Base Speed with Vector Drives
- Constant HP Operation to Twice Base Speed (Except Where Noted)
- Continuous Duty at 40°C Ambient
- NEMA® Design A
- Class F Insulation
- Normally Closed Thermostats Standard (One Per Phase)
- Shaft Grounding Ring Option on All Ratings
- F1 Standard, Field Convertible to F2 for 180 Frame and Above
- Removable Base 180 Frame and Above
- Steel 56-140 Frame; Aluminum 180 Frame & Above
- Encoder and Brake Provision on All Ratings
- D-Flange Convertible Kit
- Three Year Warranty

HP	Base RPM	Max RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Full Load Amps	Rated Torque lb.-in.	Ship Wt. (lbs.)	Notes
1/4	1800	3600	230/460	56C	UN14T2BC	\$504	DS-VST	13.0	1/0.5	8.4	30	
	1800	3600	230/460	56C	UN14T2BC-HS35A	\$1,804	DS-VST	16.59	1/0.5	8.4	30	HS35A
1/3	1800	3600	230/460	56C	UN13T2BC	\$528	DS-VST	14.5	1.1/0.6	12.0	40	
1/2	1800	3600	230/460	56C	UN12T2BC	\$611	DS-VST	14.5	1.5/0.8	18.0	45	
	1800	3600	230/460	56C	UN12T2BC-HS35A	\$1,911	DS-VST	16.59	1.5/0.8	18	30	HS35A
	1800	3600	575	56C	UN12T2GC	\$611	DS-VST	14.5	0.6	18.0	45	
1	1800	3600	230/460	143TC	UN1T2BC	\$722	DS-VST	14.6	3.2/1.6	36.0	30	
	1800	3600	230/460	143TC	UN1T2BC-HS35A	\$2,022	DS-VST	16.73	3/1.5	36	30	HS35A
	1800	3600	230/460	56C	UN1T2BFC	\$722	DS-VST	14.5	3.2/1.6	36.0	45	
	1800	3600	230/460	56C	UN1T2BFC-HS35A	\$2,022	DS-VST	17.65	5.6/2.8	72.0	30	HS35A
	1800	3600	575	56C	UN1T2GFC	\$722	DS-VST	14.5	1.3	36.0	45	
	1200	2400	230/460	145TC	UN1T3BC	\$788	DS-VST	14.6	3.7/1.8	55.2	35	
1 1/2	1800	3600	230/460	145TC	UN32T2BC	\$819	DS-VST	14.6	4.7/2.3	54.0	35	
	1800	3600	230/460	145TC	UN32T2BC-HS35A	\$2,119	DS-VST	16.73	4.7/2.3	54	35	HS35A
	1800	3600	575	145TC	UN32T2GC	\$780	DS-VST	14.6	2	54.0	35	
2	1800	3600	230/460	145TC	UN2T2BC	\$877	DS-VST	15.6	5.6/2.8	72.0	35	
	1800	3600	230/460	145TC	UN2T2BC-HS35A	\$2,177	DS-VST	17.65	5.6/2.8	72	60	HS35A
	1800	3600	575	145TC	UN2T2GC	\$877	DS-VST	15.6	2.2	72.0	35	
	1200	2400	230/460	184TC	UN2T3BC	\$1,212	DS-VST	16.8	6.2/3.1	108.0	75	
3	1800	3600	230/460	182TC	UN3T2BC	\$983	DS-VST	16.0	10.1/5	106.8	65	
	1800	3600	230/460	182TC	UN3T2BC-HS35A	\$2,283	DS-VST	18.07	10.1/5	106.8	60	HS35A
	1800	3600	575	182TC	UN3T2GC	\$983	DS-VST	16.0	4.1	106.8	65	
	1200	2400	230/460	213TC	UN3T3BC	\$1,502	DS-VST	18.5	9.1/4.5	160.8	116	
5	1800	3600	230/460	184TC	UN5T2BC	\$1,143	DS-VST	16.8	13.9/7	177.6	83	
	1800	3600	230/460	184TC	UN5T2BC-HS35A	\$2,443	DS-VST	18.82	13.6/6.8	177.6	60	HS35A
	1800	3600	575	184TC	UN5T2GC	\$1,143	DS-VST	16.8	5.6	177.6	83	
	1200	2400	230/460	215TC	UN5T3BC	\$2,150	DS-VST	20.0	15.9/7.9	267.6	149	
7 1/2	1800	3600	230/460	213TC	UN7T2BC	\$1,563	DS-VST	20.0	18.8/9.4	266.4	135	
	1800	3600	230/460	213TC	UN7T2BC-HS35A	\$2,863	DS-VST	22.13	18.8/9.4	266.4	105	HS35A
	1800	3600	575	213TC	UN7T2GC	\$1,563	DS-VST	20.0	7.5	266.4	135	
	1200	2400	230/460	254TC	UN7T3BC	\$2,870	DS-VST	25.0	19.8/9.9	398.4	211	
10	1800	3600	230/460	215TC	UN10T2BC	\$1,888	DS-VST	23.0	25.3/12.7	355.3	178	
	1800	3600	230/460	215TC	UN10T2BC-HS35A	\$3,188	DS-VST	25.13	25.3/12.7	355.2	120	HS35A
	1800	3600	575	215TC	UN10T2GC	\$1,888	DS-VST	23.0	10	355.3	144	
	1200	2400	230/460	256TC	UN10T3BC	\$3,466	DS-VST	25.3	25.3/12.7	540.0	266	
15	1800	3600	230/460	254TC	UN15T2BC	\$2,607	DS-VST	26.3	36/17.8	530.4	255	
	1800	3600	230/460	254TC	UN15T2BC-HS35A	\$3,907	DS-VST	28.44	36/17.8	530.4	120	HS35A
	1800	3600	575	254TC	UN15T2GC	\$2,607	DS-VST	26.3	14.2	530.4	255	
20	1800	3600	230/460	256TC	UN20T2BC	\$3,213	DS-VST	26.3	50/24.8	706.8	266	
	1800	3600	230/460	256TC	UN20T2BC-HS35A	\$4,513	DS-VST	28.44	50/24.8	706.8	230	HS35A
	1800	3600	575	256TC	UN20T2GC	\$3,213	DS-VST	26.3	19.8	706.8	266	LA

Note HS35A Includes Avtron HS35A Encoder

Note LA Limited Availability



GENERAL PURPOSE UNIMOUNT™
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY™
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 84 PLUS™
GENERAL PURPOSE OPEN DRIPPROOF™
GENERAL PURPOSE HAZARDOUS LOCATION™
GENERAL PURPOSE AUTOMOTIVE DUTY™
COOLING TOWER DUTY™
HAZARDOUS LOCATION™
C-FACE MOTORS™
VARIABLE SPEED MOTORS AND DRIVES™

ACCU-Torq® Totally Enclosed Blower Cooled (TEBC) & Totally Enclosed, Non-Ventilated (TENV) Vector Duty, 5000:1 Constant Torque



TCBI / CTNI

APPLICATIONS:

For packaging machinery, extruders, winders, process lines, cranes & hoists, slitters or other inverter powered applications having constant torque requirements at or near zero speed. ACCU-Torq® TEBC motors are used in variable frequency drive applications requiring full rated torque at zero speed utilizing Closed- or Open-Loop (Sensorless Vector) controls. The cast iron construction makes this motor an ideal choice for process lines, chemical plants, paper mills or any other severe duty environment.

FEATURES:

- INVERTER GRADE® Insulation System (Meets NEMA®† MG-1 Part 31)
- Premium Efficient
- Cast Iron Frame, Cast Iron End Brackets
- Corrosion Resistant Mill & Chemical Duty Paint
- F-1 Standard, Field Convertible to F-2
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger on Pulley End for IP54 Protection
- Continuous Duty at 40°C Ambient
- Regreasable Bearings, Lifting Provisions 180 Frame & Up
- Open Bearings 210-449 (TEBC Only)
- Double Shielded ODE Bearing 180-250 (TENV Only)
- Insulated Shaft ODE 400 Frame & Up
- Shaft Grounding Ring Standard on All Ratings
- Encoder Provisions on all ratings
- Normally Closed Thermostats (1 per Phase)
- Corro-Duty Construction (TEBC Only)
- Special Balance
- Double Dip & Bake with Extra Bracing
- Axial Constant Speed 230/460V Blower on TEBC
- Radial Blower and Brake Configurations available as E.T.O.
- Class H Insulation, 1.0 Service Factor
- Constant Torque Operation from Zero to Base Speed
- Constant power (HP) operation to 2 times base speed up to 250 frame & 1.5 times base speed above 250 frame
- Cast Iron Inner Bearing Caps (180 Frame & Up on TEBC)
- Cast Iron Drive End Inner Bearing Cap (180-250 on TENV)
- C-Face, Footed on 180-250 Frame
- Conversion Kits: C&D Flanges
- Three Year Limited Warranty

Footed

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt (lbs)	NEMA Nom. Eff.	Full Load Amps	Blower Full Load Amps	Notes
3	1800(4000)	230/460	182TC	HN3T2BC	\$1,213	DS-VST	16.5	110	89.5	9.1/4.5	---	28
	1200(4000)	230/460	213TC	HN3T3BC	\$2,151	DS-VST	20.0	157	89.5	8.8/4.4	---	28
5	1800(4000)	230/460	213TC	HN5T2BC	\$1,604	DS-VST	20.0	167	89.5	16/8	---	28
	1200(4000)	230/460	215TC	HN5T3BC	\$2,821	DS-VST	20.0	180	89.5	15/8	---	28
7.5	1800(4000)	230/460	213TC	HN7T2BC	\$1,907	DS-VST	20.0	175	91.7	22/11	---	28
	1200(4000)	230/460	254TC	HN7T3BC	\$3,428	DS-VST	25.1	300	91.0	20/10	---	28
10	1800(4000)	230/460	254TC	HN10T2BC	\$2,628	DS-VST	25.1	320	91.7	28/14	---	28
	1200(4000)	230/460	256TC	HN10T3BC	\$4,023	DS-VST	25.1	340	91.0	27/14	---	28
	1800(4000)	230/460	215TC	B10T2BC	\$2,569	DS-VST	31.3	310	91.7	26.5/13.9	1.5/0.75	8
	1200(4000)	230/460	256TC	B10T3BC	\$3,821	DS-VST	36.2	470	91.7	26.1/13	1.5/0.75	8
15	1800(4000)	230/460	254TC	B15T2BC	\$3,081	DS-VST	36.2	470	93.6	38/19	1.5/0.75	8
	1200(4000)	230/460	284T	B15T3B	\$5,072	DS-VST	39.4	540	92.4	38/19.1	1.7/0.9	8
20	1800(4000)	230/460	256TC	B20T2BC	\$3,603	DS-VST	36.2	480	93.0	51/25.6	1.5/0.75	8
	1200(4000)	230/460	286T	B20T3B	\$5,952	DS-VST	39.4	560	91.7	53/26.6	1.7/0.9	8
25	1800(4000)	230/460	284T	B25T2B	\$4,232	DS-VST	39.4	550	94.1	62/31	1.7/0.9	8
	1200(3000)	230/460	324T	B25T3B	\$7,072	DS-VST	44.6	750	93.0	71/36	3/1.5	8
30	1800(4000)	230/460	286T	B30T2B	\$4,784	DS-VST	39.4	570	93.6	75/37	1.7/0.9	8
	1200(3000)	230/460	326T	B30T3B	\$8,152	DS-VST	44.6	770	93.0	80/40	3/1.5	8
40	1800(3000)	230/460	324T	B40T2B	\$6,132	DS-VST	44.6	770	95.0	101/50	3/1.5	8
	1200(3000)	230/460	364T	B40T3B	\$10,681	DS-VST	46.5	1010	93.6	97/48	3/1.5	8
50	1800(3000)	230/460	326T	B50T2B	\$7,285	DS-VST	44.6	790	95.0	116/58	3/1.5	8
	1200(3000)	230/460	365T	B50T3B	\$12,131	DS-VST	46.5	1040	94.5	118/59	3/1.5	8
60	1800(3000)	230/460	364T	B60T2B	\$10,178	DS-VST	46.5	1020	95.4	137/69	3/1.5	8
	1200(3000)	230/460	404T	B60T3B	\$14,207	DS-VST	51.3	1390	94.5	149/74	5.7/2.8	8
75	1800(3000)	230/460	365T	B75T2B	\$12,634	DS-VST	46.5	1060	95.4	182/91	3/1.5	8
	1200(3000)	230/460	405T	B75T3B	\$16,525	DS-VST	51.3	1430	94.5	188/94	5.7/2.8	8
100	1800(3000)	230/460	405T	B100T2B	\$15,423	DS-VST	51.3	1410	95.4	225/113	5.7/2.8	8
	1200(3000)	230/460	444T	B100T3B	\$22,259	DS-VST	57.1	1880	95.8	245/122	5.7/2.8	8
125	1800(3000)	460	444T	B125T2C	\$18,989	DS-VST	57.1	1870	95.8	164	5.7/2.8	8
150	1800(3000)	460	445T	B150T2C	\$22,284	DS-VST	57.1	1900	95.8	180	5.7/2.8	8
200	1800(3000)	460	447T	B200T2C	\$26,893	DS-VST	60.6	2230	96.5	240	5.7/2.8	8
250	1800(2000)	460	449T	B250T2C	\$30,505	DS-VST	69.0	2860	96.5	289	7.8/3.9	8, AP
300	1800(2000)	460	449T	B300T2C	\$36,616	DS-VST	69.0	3020	96.8	327	7.8/3.9	8, AP
350	1800(2000)	460	449T	B350T2C	\$41,585	DS-VST	69.0	3090	96.8	396	7.8/3.9	8, AP

Note 8 230/460 Blower Voltage
Note 28 TENV Enclosure

Note AP No F2 convertibility



ACCU-Torq® Motor Accessories and Available Conversions

NOTE:

- Pre-assembled encoder, brake and shaft grounding options on ACCU-Torq® motors – NO EXTRA ASSEMBLY CHARGE.
- Conversion parts discount symbol is the same as the parent item.

CONVERSION OPTIONS:

- Brakes and encoders are compatible with ACCU-Torq® motor ratings per the below tables.
- F2 mounting for 180 frame and larger (F1 standard)

Encoders

- All encoders listed have Line-Driver Outputs and 1024 PPR
- Encoder cables not supplied by Nidec Motor Corporation®

LIST PRICE BY FRAME, SPEED RANGE, AND ENCLOSURE TYPE

MAKE	MODEL	BRGS	SENSOR	DUTY	CONNECTOR	LIST PRICE BY FRAME, SPEED RANGE, AND ENCLOSURE TYPE				
						56-256 5000:1 CT TENV	182-256 20:1 CT TENV	182-256 20:1 CT TEFC	182-447 20:1 CT TEFC	254-449 5000:1 CT TEBC
AVTRON	AV56*	NO	MAGNETIC	HEAVY, BRAKE	10-PIN INDUSTRIAL	\$1,600	\$1,600	-	-	\$1,600
DYNAPAR	ST56*	NO	MAGNETIC	HEAVY, BRAKE	10-PIN INDUSTRIAL	\$2,410	\$2,410	-	-	\$2,410
AVTRON	AV32	NO	MAGNETIC	MILL	MS 10-PIN	\$1,125	\$1,125	\$1,125	\$1,125	\$1,125
DYNAPAR	HS20	YES	OPTICAL	LIGHT	MS 10-PIN	\$1,200	\$1,200	\$1,200	-	-
EPC	260	YES	OPTICAL	LIGHT	MS 10-PIN	\$1,125	\$1,125	\$1,125	-	-
AVTRON	HS35A	YES	OPTICAL	LIGHT	MS 10-PIN	-	-	\$1,300	\$1,300	\$1,300
DYNAPAR	HS35R	YES	OPTICAL	LIGHT	MS 10-PIN	-	-	\$1,530	\$1,530	\$1,530
EPC	25T	YES	OPTICAL	MILL	MS 10-PIN	-	-	\$1,300	\$1,300	\$1,300

* Required for brake mounting with encoder (TENV)



HS20 Encoder



ST56 Encoder



260 Encoder



AV32 Encoder



AV56 Encoder

Brakes

- Connections to brakes: flying leads in brake enclosure
- Brakes rated for holding only – not to be applied for stopping
- Universal mount – for vertical and horizontal mounted motors

ENCL.	FRAME	MAKE	SERIES	LIST	COIL VOLTS	NOM STATIC TORQUE	ENCLOSURE
TENV	56-256	Stearns®	56,000	\$766	115/208-230	6 lb-ft	IP23, STEEL HOUSING
		Stearns®	56,000	\$911	115/208-230	10 lb-ft	IP23, STEEL HOUSING
		Stearns®	56,000	\$766	208-230/460	6 lb-ft	IP23, STEEL HOUSING
		Stearns®	56,000	\$911	208-230/460	10 lb-ft	IP23, STEEL HOUSING
		Stearns®	56,000	\$766	575	6 lb-ft	IP23, STEEL HOUSING
		Stearns®	56,000	\$911	575	10 lb-ft	IP23, STEEL HOUSING



ACCU-Torq™ Motor & Brake Configuration



ACCU-Torq™ Motor & Encoder Configuration



ACCU-Torq™ Motor, Encoder & Brake Configuration

Shaft Grounding Ring

- Reduces potential bearings failures caused by induced shaft currents

Make	List
Shaft Grounding Ring	\$175



GENERAL PURPOSE UNIMOUNT®
GENERAL PURPOSE STEEL EDGE
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY
GENERAL PURPOSE 84 PLUS®
GENERAL PURPOSE OPEN DRIPPROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE SPEED MOTORS AND DRIVES

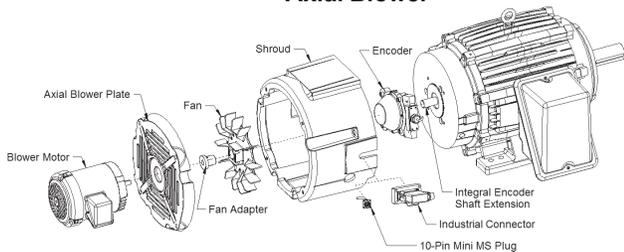
Special Application, Vector Duty Blower (ACCU-SERIES®)

AXIAL BLOWER SPARE PARTS								RADIAL BLOWER SPARE PARTS						
Motor Frame Size	Blower Motor HP	Blower Motor RPM	Blower Motor Frame	Blower Motor FLA	Blower Motor Catalog Number	Spare Motor Price	Discount Symbol	Blower Motor HP	Blower Motor RPM	Blower Motor Frame	Blower Motor FLA	Blower Motor Catalog Number	Spare Motor Price	Discount Symbol
215TC	1/3	1800	42CZ	1.5/0.75	T13S2D42ZCR	\$266	DS-3RST	1/3	3600	56C	1.8/0.9	T13S1ACR	\$279	DS-3RST
254TC	1/3	1800	42CZ	1.5/0.75	T13S2D42ZCR	\$266	DS-3RST	1/3	3600	56C	1.8/0.9	T13S1ACR	\$279	DS-3RST
256TC	1/3	1800	42CZ	1.5/0.75	T13S2D42ZCR	\$266	DS-3RST	1/3	3600	56C	1.8/0.9	T13S1ACR	\$279	DS-3RST
284T	1/2	1800	56C	1.7/0.9	U12S2ACR	\$291	DS-3RST	1 1/2	3600	56C	5.0/2.5	T32P1ACR	\$485	DS-3RST
286T	1/2	1800	56C	1.7/0.9	U12S2ACR	\$291	DS-3RST	1 1/2	3600	56C	5.0/2.5	T32P1ACR	\$485	DS-3RST
324T	1	1800	56C	3/1.5	U1P2DFCR	\$425	DS-3RST	1 1/2	3600	56C	5.0/2.5	T32P1ACR	\$485	DS-3RST
326T	1	1800	56C	3/1.5	U1P2DFCR	\$425	DS-3RST	1 1/2	3600	56C	5.0/2.5	T32P1ACR	\$485	DS-3RST
364T	1	1800	56C	3/1.5	U1P2DFCR	\$425	DS-3RST	1 1/2	3600	56C	5.0/2.5	T32P1ACR	\$485	DS-3RST
365T	1	1800	56C	3/1.5	U1P2DFCR	\$425	DS-3RST	1 1/2	3600	56C	5.0/2.5	T32P1ACR	\$485	DS-3RST
405T	2	1800	145TC	5.7/2.8	U2P2DCR	\$578	DS-3RST	1	1800	56C	3/1.5	U1P2DFCR	\$425	DS-3RST
444T	2	1800	145TC	5.7/2.8	U2P2DCR	\$578	DS-3RST	1	1800	56C	3/1.5	U1P2DFCR	\$425	DS-3RST
445T	2	1800	145TC	5.7/2.8	U2P2DCR	\$578	DS-3RST	1	1800	56C	3/1.5	U1P2DFCR	\$425	DS-3RST
447T	2	1800	145TC	5.7/2.8	U2P2DCR	\$578	DS-3RST	1	1800	56C	3/1.5	U1P2DFCR	\$425	DS-3RST
449T	3	1800	182TCH	7.8/3.9	U3P2DKR	\$742	DS-3AL	1	1800	56C	3/1.5	U1P2DFCR	\$425	DS-3RST
449T	3	1800	182TCH	7.8/3.9	U3P2DKR	\$742	DS-3AL	1	1800	56C	3/1.5	U1P2DFCR	\$425	DS-3RST
449T	3	1800	182TCH	7.8/3.9	U3P2DKR	\$742	DS-3AL	1	1800	56C	3/1.5	U1P2DFCR	\$425	DS-3RST

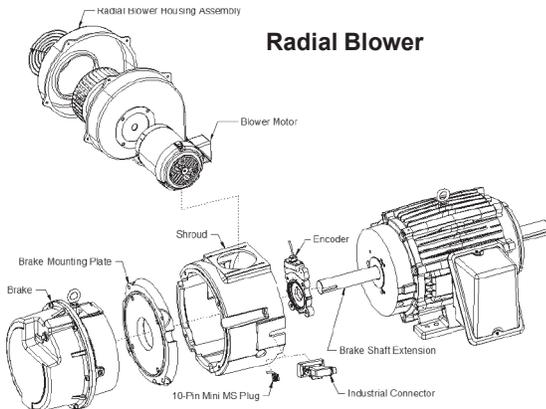
Encoders: Table by availability and list price on page 101.

Brakes: Table by nominal static torque, enclosure and list price on page 101.

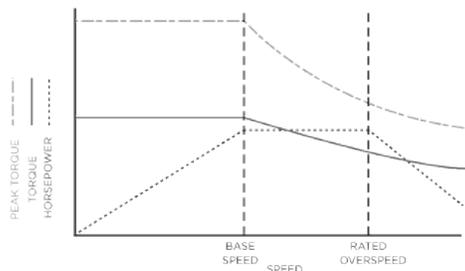
Axial Blower



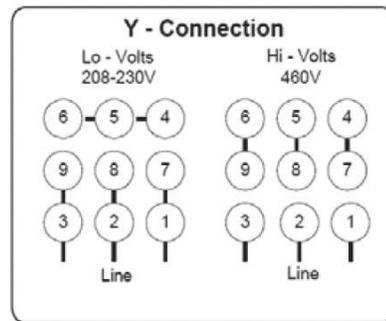
Radial Blower



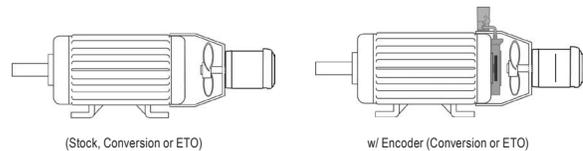
Constant Torque and Horsepower Curves



3-Phase Blower Connection Data

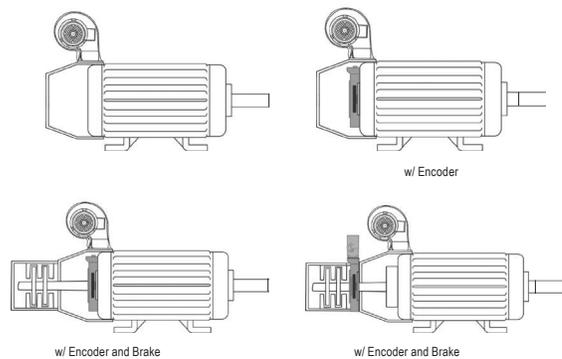


Axial Blower Configurations:



Radial Blower Configurations:

(All ETO Only)



Definite Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) UNIMOUNT®, Inverter Duty 20:1 (3-60 Hertz) Speed Range Variable Torque, 5:1 (12-60 Hertz) Speed Range Constant Torque



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APPLICATIONS:

For use on pumps, fans, blowers or other variable torque applications. Constant torque applications requiring 5:1 or less speed range and applications requiring a drive bypass.

FEATURES:

- INVERTER GRADE® Insulation System (Meets NEMA® MG-1 Part 31)
- Class F Thermostats (One Per Phase)
- Extruded Aluminum Frame (140: Rolled Steel)
- Aluminum End Shields With Steel Bearing Inserts
- 40°C Ambient, NEMA® Design B Performance On 60 Hertz Sine Wave Power
- Removable Base 180 Frame & Larger
- Lifting Provisions 180 Frame & Larger
- Regreasable Shaft-End Bearing 180 Frame & Larger
- Sealed Bearings 56-140, Double Shielded Bearings 180-280
- Double Dip & Bake With Extra Bracing
- Premium Efficient Design, Special Balance, F1 Assembly Position
- Class F Insulation, 1.15 S.F. On Sine Wave / 1.0 S.F. On PWM
- Constant Horsepower To 90 Hertz
- Precision Balance (< 0.08 In/Sec Vibration)
- C-Face Footed 1-5 HP
- Brake Kits Available 56-210 Frame
- Shaft Grounding Ring 140-250 Frame (Updating models to include Grounding Ring, confirm availability at time of order)
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
1/3	1800(3600)	230/460	56C	U13T2BCR	\$420	DS-VST	10.8	22	75.5	1.6/0.8	FTLS
1/2	1800(3600)	208-230/460	56C	UN12V2AC	\$444	DS-VST	8.8	26	84.0	2.0-2.1/1.1	28
	1800(3600)	230/460	56C	U12T2BCR	\$463	DS-VST	10.8	78	78.5	2.3/1.1	FTLS
	1200(2400)	208-230/460	56C	UN12V3BC	\$578	DS-VST	10.3	33	-	2.3-2.4/1.2	28
3/4	1800(3600)	208-230/460	56C	UN34V2AC	\$498	DS-VST	10.3	26	-	2.8-2.7/1.3	
	1800(3600)	230/460	56C	U34T2BCR	\$497	DS-VST	12.1	32	82.5	2.7/1.3	FTLS
	1200(2400)	208-230/460	56C	UN34V3BC	\$622	DS-VST	13.6	32	-	3.1-3.0/1.5	28
1	1800(3600)	208-230/460	56C	UN1V2AFC	\$553	DS-VST	11.8	37	85.5	3.5-3.4/1.7	28
	1800(3600)	230/460	143T	U1V2B	\$486	DS-VST	12.9	30	85.5	3/1.5	SGR
	1800(3600)	230/460	143TC	U1V2BC	\$569	DS-VST	13.1	45	85.5	3.0/1.5	SGR
	1200(2400)	230/460	145T	U1V3B	\$661	DS-VST	12.9	35	82.5	3.5/1.7	SGR
	1200(2400)	230/460	145TC	U1V3BC	\$740	DS-VST	13.1	42	82.5	3.7/1.8	SGR
1 1/2	3600(7200)	230/460	143T	U32V1B	\$561	DS-VST	12.9	30	85.5	3.8/1.9	SGR
	3600(7200)	230/460	143TC	U32V1BC	\$646	DS-VST	13.1	37	84.0	3.9/1.9	SGR
	1800(3600)	208-230/460	56C	T32V2BFC	\$607	DS-VST	13.4	34	76.0	5.1-5.0/2.5	
	1800(3600)	230/460	145T	U32V2B	\$539	DS-VST	12.9	35	86.5	4.3/2.1	SGR
	1800(3600)	230/460	145TC	U32V2BC	\$623	DS-VST	13.1	42	86.5	4.1/2.1	SGR
	1200(2400)	230/460	182T	U32V3B	\$864	DS-VST	16.1	60	87.5	4.5/2.2	SGR
	1200(2400)	230/460	182TC	U32V3BC	\$864	DS-VST	16.2	60	87.5	4.5/2.2	SGR
2	3600(7200)	230/460	145T	U2V1B	\$615	DS-VST	12.9	35	86.5	4.9/2.4	SGR
	3600(7200)	230/460	145TC	U2V1BC	\$675	DS-VST	13.1	40	85.5	5/2.5	SGR
	1800(3600)	230/460	145T	U2V2B	\$591	DS-VST	12.9	35	86.5	5.7/2.8	SGR
	1800(3600)	230/460	145TC	U2V2BC	\$656	DS-VST	13.1	55	86.5	5.3/2.7	SGR
	1200(2400)	230/460	184T	U2V3B	\$961	DS-VST	16.9	70	88.5	6.2/3.1	SGR
	1200(2400)	230/460	184TC	U2V3BC	\$961	DS-VST	16.9	70	88.5	6.2/3.1	SGR
3	3600(7200)	230/460	182T	U3V1B	\$882	DS-VST	16.1	60	86.5	8.2/4.1	SGR
	3600(7200)	230/460	182TC	U3V1BC	\$882	DS-VST	16.2	60	86.5	8.2/4.1	SGR
	1800(3600)	230/460	182T	U3V2B	\$780	DS-VST	16.1	60	89.5	7.8/3.9	SGR
	1800(3600)	230/460	182TC	U3V2BC	\$780	DS-VST	16.2	75	89.5	7.8/3.9	SGR
	1200(2400)	230/460	213T	U3V3B	\$1,214	DS-VST	18.6	105	89.5	8.6/4.3	SGR
5	1200(2400)	230/460	213TC	U3V3BC	\$1,191	DS-VST	18.8	115	89.5	8.6/4.3	SGR
	3600(7200)	230/460	184T	U5V1B	\$1,106	DS-VST	16.1	70	88.5	12.3/6.1	SGR
	3600(7200)	230/460	184TC	U5V1BC	\$1,106	DS-VST	16.2	75	88.5	12.3/6.1	SGR
	1800(3600)	230/460	184T	U5V2B	\$906	DS-VST	16.9	70	89.5	12.7/6.3	SGR
	1800(3600)	230/460	184TC	U5V2BC	\$906	DS-VST	16.9	80	89.5	12.7/6.3	SGR
	1200(2400)	230/460	215T	U5V3B	\$1,669	DS-VST	20.1	120	89.5	14.2/7.1	SGR
7 1/2	1200(2400)	230/460	215TC	U5V3BC	\$1,705	DS-VST	20.3	145	89.5	14.2/7.1	SGR
	3600(7200)	230/460	213T	U7V1B	\$1,371	DS-VST	18.6	105	89.5	17.9/9	SGR
	1800(3600)	230/460	213T	U7V2B	\$1,240	DS-VST	18.6	115	91.7	19.3/9.6	SGR
10	1200(2400)	230/460	254T	U7V3B	\$2,276	DS-VST	23.9	212	91.0	18.6/9.3	SGR
	3600(7200)	230/460	215T	U10V1B	\$1,607	DS-VST	20.1	125	90.2	23.5/11.8	SGR
15	1800(3600)	230/460	215T	U10V2B	\$1,497	DS-VST	20.1	140	91.7	25.7/12.8	SGR
	3600(7200)	230/460	254T	U15V1B	\$2,299	DS-VST	23.9	202	90.2	35/17.7	SGR
20	1800(3600)	230/460	254T	U15V2B	\$2,068	DS-VST	23.9	180	92.4	37/18.4	SGR
	3600(7200)	230/460	256T	U20V1B	\$2,846	DS-VST	25.6	222	90.2	47/23.4	SGR
	1800(3600)	230/460	256T	U20V2B	\$2,548	DS-VST	25.6	262	93.0	47/23.7	SGR

Note 28 TENV Enclosure
Note FTLS Footless

Note SGR Shaft Grounding Ring



GENERAL PURPOSE UNIMOUNT®
GENERAL PURPOSE STEEL EDGE
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY
GENERAL PURPOSE 84 PLUS®
GENERAL PURPOSE OPEN DRIPPROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE SPEED MOTORS AND DRIVES

Definite Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) World Motor HOSTILE DUTY®, Inverter Duty 20:1 (3-60 Hertz) Speed Range Variable Torque, 5:1 (12-60 Hertz) Speed Range Constant Torque

APPLICATIONS:

For use on pumps, fans, blowers or other inverter powered applications having variable torque requirements.
Constant torque applications requiring 5:1 or less speed range and applications requiring a drive bypass.

FEATURES:

- Inverter Grade® Insulation System (Meets NEMA® MG-1 Part 31)
- Class F Thermostats (One Per Phase)
- Shaft Grounding Ring
- Corrosion Resistant Mill & Chemical Duty Paint
- Cast Iron Frame, Cast Iron End Brackets
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger On Pulley End For IP54 Protection
- Dual Voltage 230/460 Volts (1-100 HP)
- 40°C Ambient, NEMA® Design B Performance On 60 Hz Sine Wave Power
- Regreaseable Ball Bearings 250 Frame & Up, Lifting Provisions
- Double Shielded Bearings 140-360, Open On 400-440
- Double Dip & Bake With Extra Bracing
- Class F Insulation, 1.15 S.F. On Sine Wave / 1.0 S.F. On PWM
- Constant Horsepower To 90 Hz
- Steel Fan Cover & Conduit Box
- Field Convertible To F2 Mounting
- Condensation Drains With Plastic Plugs
- Conversion Kits: All Cast Iron Upgrade, C&D Flanges, Canopy Kits
- C-Face Footed 1-5 HP
- Bearing Caps On 400-440
- Non-Drive End Insulated Bearing On 400-440

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800(3600)	230/460	143TC	HD1V2BC	\$639	DS-VSTW	14.0	60	85.5	3/1.5	SGR
	1800(3600)	230/460	143T	HD1V2B	\$530	DS-VSTW	13.5	60	85.5	3/1.5	SGR
	1200(2400)	230/460	145TC	HD1V3BC	\$785	DS-VSTW	14.0	70	82.5	3.7/1.8	SGR
	1200(2400)	230/460	145T	HD1V3B	\$676	DS-VSTW	13.5	70	82.5	3.7/1.8	SGR
1 1/2	3600(7200)	230/460	143TC	HD32V1BC	\$699	DS-VSTW	14.0	50	84.0	3.9/1.9	SGR
	3600(7200)	230/460	143TC	H32V1BC	\$660	DS-VST	12.6	65	84.0	3.9/1.9	LA, NWM
	3600(7200)	230/460	143T	HD32V1B	\$590	DS-VSTW	13.5	50	84.0	3.9/1.9	SGR
	1800(3600)	230/460	145TC	HD32V2BC	\$675	DS-VSTW	14.0	70	86.5	4.1/2.1	SGR
	1800(3600)	230/460	145T	HD32V2B	\$566	DS-VSTW	13.5	70	86.5	4.1/2.1	SGR
	1200(2400)	230/460	182TC	HD32V3BC	\$848	DS-VSTW	17.1	90	87.5	4.5/2.2	SGR
2	1200(2400)	230/460	182T	HD32V3B	\$761	DS-VSTW	16.3	90	87.5	4.5/2.2	SGR
	3600(7200)	230/460	145TC	HD2V1BC	\$722	DS-VSTW	14.0	50	85.5	5/2.5	SGR
	3600(7200)	230/460	145T	HD2V1B	\$613	DS-VSTW	13.5	50	85.5	5/2.5	SGR
	1800(3600)	230/460	145TC	HD2V2BC	\$731	DS-VSTW	14.0	70	86.5	5.3/2.7	SGR
	1800(3600)	230/460	145T	HD2V2B	\$622	DS-VSTW	13.5	70	86.5	5.3/2.7	SGR
	1200(2400)	230/460	184TC	HD2V3BC	\$935	DS-VSTW	17.1	110	88.5	6.2/3.1	SGR
3	1200(2400)	230/460	184T	HD2V3B	\$868	DS-VSTW	16.3	100	88.5	6.2/3.1	SGR
	3600(7200)	230/460	182TC	HD3V1BC	\$861	DS-VSTW	17.1	80	86.5	8.2/4.1	SGR
	3600(7200)	230/460	182T	HD3V1B	\$712	DS-VSTW	16.3	70	86.5	8.2/4.1	SGR
	1800(3600)	230/460	182TC	HD3V2BC	\$828	DS-VSTW	17.1	100	89.5	7.8/3.9	SGR
	1800(3600)	230/460	182T	HD3V2B	\$679	DS-VSTW	16.3	90	89.5	7.8/3.9	SGR
	1200(2400)	230/460	213TC	HD3V3BC	\$1,120	DS-VSTW	19.6	170	89.5	8.6/4.3	SGR
5	1200(2400)	230/460	213T	HD3V3B	\$1081	DS-VSTW	19.6	150	89.5	8.6/4.3	SGR
	3600(7200)	230/460	184TC	HD5V1BC	\$994	DS-VSTW	17.1	90	88.5	12.3/6.1	SGR
	3600(7200)	230/460	184T	HD5V1B	\$844	DS-VSTW	16.3	90	88.5	12.3/6.1	SGR
	1800(3600)	230/460	184TC	HD5V2BC	\$923	DS-VSTW	17.1	110	89.5	12.7/6.3	SGR
	1800(3600)	230/460	184T	HD5V2B	\$774	DS-VSTW	16.3	100	89.5	12.7/6.3	SGR
	1200(2400)	230/460	215TC	HD5V3BC	\$1,540	DS-VSTW	20.4	180	89.5	14.2/7.1	SGR
7 1/2	1200(2400)	230/460	215T	HD5V3B	\$1395	DS-VSTW	19.6	170	89.5	14.2/7.1	SGR
	3600(7200)	230/460	213T	HD7V1B	\$1,099	DS-VSTW	19.6	130	89.5	18.1/9	SGR
	1800(3600)	230/460	213T	HD7V2B	\$1,055	DS-VSTW	19.6	150	91.7	19.1/9.6	SGR
	1200(2400)	230/460	254T	HD7V3B	\$1,873	DS-VSTW	24.9	230	91.0	18.8/9.4	SGR

Note SGR Shaft Grounding Ring
Note LA Limited Availability

Note NWM Non-World Motor Construction



Definite Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) World Motor HOSTILE DUTY®, Inverter Duty 20:1 (3-60 Hertz) Speed Range Variable Torque, 5:1 (12-60 Hertz) Speed Range Constant Torque

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
10	3600(7200)	230/460	215T	HD10V1B	\$1,281	DS-VSTW	19.6	140	90.2	23.5/11.8	SGR
	1800(3600)	230/460	215T	HD10V2B	\$1,313	DS-VSTW	19.6	170	91.7	25.7/12.8	SGR
	1200(2400)	230/460	256T	HD10V3B	\$2,226	DS-VSTW	24.9	250	91.0	24.9/12.4	SGR
15	3600(7200)	230/460	254T	HD15V1B	\$1,803	DS-VSTW	24.9	250	91.0	35/17.4	SGR
	1800(3600)	230/460	254T	HD15V2B	\$1,757	DS-VSTW	24.9	250	92.4	36/18	SGR
	1200(2400)	230/460	284T	HD15V3B	\$2,941	DS-VSTW	27.5	310	91.7	37/18.5	SGR
20	3600(7200)	230/460	256T	HD20V1B	\$2,235	DS-VSTW	24.9	260	91.0	46/23	SGR
	1800(3600)	230/460	256T	HD20V2B	\$2,186	DS-VSTW	24.9	280	93.0	47/23.7	SGR
	1200(2400)	230/460	286T	HD20V3B	\$3,616	DS-VSTW	27.5	350	91.7	49/24.4	SGR
25	3600(7200)	230/460	284TS	HD25V1BS	\$2,658	DS-VSTW	26.1	310	91.7	58/28.8	SGR
	1800(2700)	230/460	284T	HD25V2B	\$2,571	DS-VSTW	27.5	330	93.6	58/29.2	SGR
	1200(2400)	230/460	324T	HD25V3B	\$4,619	DS-VSTW	30.1	490	93.0	59/29.3	SGR
30	3600(5400)	230/460	286TS	HD30V1BS	\$3,188	DS-VSTW	26.1	310	91.7	69/35	SGR
	1800(2700)	230/460	286T	HD30V2B	\$3,053	DS-VSTW	27.5	340	93.6	70/35	SGR
	1200(2400)	230/460	326T	HD30V3B	\$5,254	DS-VSTW	30.1	520	93.0	70/35	SGR
40	3600(5400)	230/460	324TS	HD40V1BS	\$3,758	DS-VSTW	28.6	410	92.4	92/46	SGR
	1800(2700)	230/460	324T	HD40V2B	\$3,644	DS-VSTW	30.1	450	94.1	92/46	SGR
	1200(2400)	230/460	364T	HD40V3B	\$5,821	DS-VSTW	32.3	630	94.1	94/47	SGR
50	3600(5400)	230/460	326TS	HD50V1BS	\$5,036	DS-VSTW	28.6	480	93.0	112/56	SGR
	1800(2700)	230/460	326T	HD50V2B	\$4,524	DS-VSTW	30.1	550	94.5	112/56	SGR
	1200(2400)	230/460	365T	HD50V3B	\$7,239	DS-VSTW	32.3	680	94.1	117/59	SGR
60	3600(5400)	230/460	364TS	HD60V1BS	\$6,476	DS-VSTW	30.2	560	93.6	136/68	SGR
	1800(3600)	230/460	364T	HD60V2B	\$6,330	DS-VSTW	32.3	640	95.0	137/68	SGR
	1200(2400)	230/460	404T	HD60V3B	\$8,517	DS-VSTW	37.6	940	94.5	141/71	SGR
75	3600(4500)	230/460	365TS	HD75V1BS	\$8,339	DS-VSTW	30.2	650	94.1	165/83	SGR
	3600(4500)	230/460	365TS	H75V1BS	\$11,411	DS-VST	30.4	830	93.6	167/83	LA, NWM
	1800(3600)	230/460	365T	HD75V2B	\$7,728	DS-VSTW	32.3	700	95.4	170/85	SGR
	1200(2400)	230/460	405T	HD75V3B	\$10,133	DS-VSTW	37.6	970	94.5	178/89	SGR
100	3600(4500)	230/460	405TS	HD100V1BS	\$11,178	DS-VSTW	34.6	900	94.1	228/114	SGR
	1800(3600)	230/460	405T	HD100V2B	\$10,133	DS-VSTW	34.6	980	95.4	229/115	SGR
	1200(2400)	460	444T	HD100V3C	\$13,603	DS-VSTW	44.4	1450	95.0	120	SGR
125	3600(4500)	460	444TS	HD125V1CS	\$13,997	DS-VSTW	40.6	1300	95.0	142	SGR
	1800(3600)	460	444T	HD125V2C	\$13,146	DS-VSTW	44.4	1260	95.4	141	SGR
	1200(2400)	460	445T	HD125V3C	\$16,895	DS-VSTW	44.4	1500	95.0	153	SGR
150	3600(4500)	460	445TS	HD150V1CS	\$17,743	DS-VSTW	40.6	1410	95.0	167	SGR
	1800(3600)	460	445T	HD150V2C	\$15,831	DS-VSTW	44.4	1480	95.8	171	SGR
	1200(2400)	460	445T	HD150V3C	\$19,320	DS-VSTW	44.4	1760	95.8	179	SGR
200	3600(4500)	460	447TS	HD200V1CS	\$24,249	DS-VSTW	44.1	1600	95.4	222	SGR
	1800(3600)	460	447T	HD200V2C	\$20,503	DS-VSTW	47.9	1710	96.2	226	SGR

Note SGR Shaft Grounding Ring
Note LA Limited Availability

Note NWM Non-World Motor Construction



GENERAL PURPOSE UNIMOUNT®
 GENERAL PURPOSE STEEL EDGE
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY
 GENERAL PURPOSE 84 PLUS®
 GENERAL PURPOSE OPEN DRIPPROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS
 VARIABLE SPEED MOTORS AND DRIVES

Definite Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) HOSTILE DUTY®, Inverter Duty 20:1 (3-60 Hertz) Speed Range Constant Torque

APPLICATIONS:

For use on pumps, fans, blowers or other inverter powered applications having variable torque requirements.
Constant torque applications requiring 20:1 or less speed range and applications requiring a drive bypass.

FEATURES:

- INVERTER GRADE® Insulation System (Meets NEMA® MG-1 Part 31)
- Class F Thermostats (One Per Phase)
- Cast Iron Frame, Cast Iron End Brackets
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger On Pulley End For IP54 Protection
- 40°C Ambient, NEMA® Design B Performance
- Regreasable Bearings 250 Frame & Up, Lifting Provisions Standard
- Double Shielded Bearings 180-360 Frame
- Double Dip & Bake With Extra Bracing
- Premium Efficient Design, Special Balance, F1 Assembly Position
- Class H Insulation, 1.15 S.F. On Sine Wave / 1.0 S.F. On PWM
- Cast Iron Inner Bearing Caps (280 Frame & Up)
- Encoder Provision Standard on Stock Models
- Insulated Shaft ODE 400 Frame & Up
- Shaft Grounding Standard
- Conversion Kits: All Cast Iron Upgrade, C&D Flanges, Canopy Kits (except 320-360)

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
3	1800(3600)	230/460	182TC	HN3T2BC	\$1,213	DS-VST	16.5	110	89.5	9.1/4.5	14
	1200(2400)	230/460	213TC	HN3T3BC	\$2,151	DS-VST	20.0	157	89.5	8.8/4.4	14
5	1800(3600)	230/460	184T	H5T2B	\$985	DS-VST	15.6	110	89.5	13.4/6.7	14
	1800(3600)	230/460	184TC	H5T2BC	\$1,086	DS-VST	16.3	110	89.5	13.4/6.7	14
	1800(3600)	230/460	213TC	HN5T2BC	\$1,604	DS-VST	20.0	167	91.0	15.4/7.7	14
	1200(2400)	230/460	215TC	HN5T3BC	\$2,821	DS-VST	20.0	180	89.5	14.6/7.3	14
7 1/2	1800(3600)	230/460	213T	H7T2B	\$1,348	DS-VST	19.2	160	91.7	21.1/10.5	14
	1800(3600)	230/460	213TC	H7T2BC	\$1,497	DS-VST	19.9	160	91.7	21.1/10.5	14
	1800(3600)	230/460	213TC	HN7T2BC	\$1,907	DS-VST	20.0	175	91.7	20.5/10.2	14
	1200(2400)	230/460	254TC	H7T3BC	\$2,675	DS-VST	26.1	300	91.0	20.2/10.1	14
	1200(2400)	230/460	254TC	HN7T3BC	\$3,428	DS-VST	26.1	300	91.7	19.4/9.7	14
10	1800(3600)	230/460	254TC	HN10T2BC	\$2,628	DS-VST	26.1	320	91.7	27.1/13.5	14
	1800(3600)	230/460	215T	H10T2B	\$1,628	DS-VST	19.2	175	91.7	27.7/13.9	14
	1800(3600)	230/460	215TC	H10T2BC	\$2,172	DS-VST	19.9	175	91.7	27.7/13.9	14
	1200(2400)	230/460	256TC	H10T3BC	\$3,189	DS-VST	26.1	340	91.7	26.1/13	14
	1200(2400)	230/460	256TC	HN10T3BC	\$4,023	DS-VST	26.1	340	91.7	26/13	14
15	1800(3600)	230/460	254T	H15T2B	\$2,248	DS-VST	25.6	300	92.4	38/19	14
	1800(3600)	230/460	254TC	H15T2BC	\$2,449	DS-VST	26.1	300	92.4	38/19	14
	1800(3600)	230/460	254TC	HN15T2BC	\$3,193	DS-VST	26.1	300	92.4	37/18.6	14
	1200(2400)	230/460	284T	H15T3B	\$4,164	DS-VST	27.0	385	91.7	38/19.2	14
20	1800(3600)	230/460	256T	H20T2B	\$2,770	DS-VST	25.6	370	93.0	51/25.6	14
	1800(3600)	230/460	256TC	H20T2BC	\$3,253	DS-VST	26.1	340	93.0	51/25.6	14
	1200(2400)	230/460	286T	H20T3B	\$5,044	DS-VST	27.0	400	91.7	53/26.6	14
25	1800(2700)	230/460	284T	H25T2B	\$3,324	DS-VST	27.1	387	93.6	62/31	14
	1200(2400)	230/460	324T	H25T3B	\$6,001	DS-VST	30.7	600	93.0	71/36	14
30	1800(2700)	230/460	286T	H30T2B	\$3,876	DS-VST	27.1	440	93.6	75/37	14
	1200(2400)	230/460	326T	H30T3B	\$7,081	DS-VST	30.7	625	93.0	79/40	14

Note 14 NEMA® Design A



Definite Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) HOSTILE DUTY®, Inverter Duty 20:1 (3-60 Hertz) Speed Range Constant Torque

(continued)

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
40	1800(2700)	230/460	324T	H40T2B	\$5,061	DS-VST	30.7	600	94.1	101/51	14
	1200(2400)	230/460	364T	H40T3B	\$9,538	DS-VST	32.3	740	94.5	97/48	14
50	1800(2700)	230/460	326T	H50T2B	\$6,214	DS-VST	32.3	625	94.5	116/58	14
	1200(2400)	230/460	365T	H50T3B	\$10,988	DS-VST	32.3	910	94.5	118/59	14
60	1800(3600)	230/460	364T	H60T2B	\$9,035	DS-VST	32.3	740	95.4	137/69	14
	1200(2400)	230/460	404T	H60T3B	\$12,945	DS-VST	37.6	1160	94.5	149/74	14
75	1800(3600)	230/460	365T	H75T2B	\$11,491	DS-VST	32.3	910	95.4	182/91	14
	1200(2400)	230/460	405T	H75T3B	\$15,263	DS-VST	37.6	1180	94.5	188/94	14
100	1800(3600)	230/460	405T	H100T2B	\$14,161	DS-VST	37.6	1180	95.4	225/113	LA
	1200(2400)	230/460	444T	H100T3B	\$20,898	DS-VST	45.4	1660	95.0	247/123	14
125	1800(3600)	460	444T	H125T2C	\$17,628	DS-VST	45.4	1660	95.4	164	14, LA
150	1800(3600)	460	445T	H150T2C	\$20,923	DS-VST	45.4	1700	95.8	180	14
200	1800(3600)	460	447T	H200T2C	\$23,452	DS-VST	48.9	2025	96.2	241	14
250	1800(3600)	460	449T	C250T2C	\$30,428	DS-VST	55.1	2400	96.5	289	14
300	1800(3600)	460	449T	C300T2C	\$41,403	DS-VST	55.1	2400	96.8	327	14
350	1800(3600)	460	449T	C350T2C	\$49,229	DS-VST	55.1	2400	96.2	397	14

Note 14 NEMA™ Design A
Note LA Limited Availability



GENERAL PURPOSE
UNIMOUNT®

GENERAL PURPOSE
STEEL EDGE

GENERAL PURPOSE
HOSTILE DUTY

GENERAL PURPOSE
CORRO-DUTY

GENERAL PURPOSE
8 1/2" PLUS

GENERAL PURPOSE
OPEN DRIPPROOF

GENERAL PURPOSE
HAZARDOUS LOCATION

GENERAL PURPOSE
AUTOMOTIVE DUTY

COOLING TOWER
DUTY

HAZARDOUS
LOCATION

C-FACE
MOTORS

VARIABLE SPEED
MOTORS AND DRIVES

Definite Purpose Three Phase, Open Drip Proof (ODP) Inverter Duty 20:1 (3-60 Hertz) Speed Range Variable Torque, 5:1 (12-60 Hertz) Speed Range Constant Torque



DI, RI

APPLICATIONS:

For use on pumps, fans, blowers or other inverter powered applications.

FEATURES:

- INVERTER GRADE® Insulation System (Meets NEMA® MG-1 Part 31)
- Class F Thermostats (One Per Phase)
- Rolled Steel Frame (140-360), Cast Iron Frame (400-440)
- Aluminum End Shields 140-250, Cast Iron End Shields 280-440
- 40°C Ambient, NEMA® Design B Performance On 60 Hertz Sine Wave Power
- Constant Horsepower To 90 Hertz
- Lifting Provisions (210 Frame & Up)
- Regreasable Bearings 180 Frame & Up, Lifting Provisions 210 Frame & Up
- Double Shielded Bearings 140-400, Open On 440 Frame
- Double Dip & Bake With Extra Bracing
- Premium Efficient Design, Special Balance, F1 Assembly Position
- Class F Insulation, 1.15 S.F. On Sine Wave / 1.0 S.F. On PWM
- Conversion Kits: Canopy Kits (140-320 Frame)
- For VFD Guidelines, Refer to Page vii

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
1	1800(3600)	230/460	143T	D1V2B	\$525	DS-VSO	12.8	30	85.5	3.1/1.6	SGR
	1800(3600)	575	143T	D1V2G	\$525	DS-VSO	12.8	30	85.5	1.3	SGR
	1200(2400)	230/460	145T	D1V3B	\$702	DS-VSO	14.1	35	82.5	4/2	SGR
	1200(2400)	575	145T	D1V3G	\$702	DS-VSO	14.1	35	82.5	1.6	SGR
1 1/2	3600(7200)	230/460	143T	D32V1B	\$557	DS-VSO	12.8	30	84.0	3.8/1.9	SGR
	3600(7200)	575	143T	D32V1G	\$557	DS-VSO	12.8	30	85.5	1.5	SGR
	1800(3600)	230/460	145T	D32V2B	\$550	DS-VSO	12.8	35	86.5	4.2/2.1	SGR
	1800(3600)	575	145T	D32V2G	\$550	DS-VSO	12.8	35	86.5	1.7	SGR
	1200(2400)	230/460	182T	D32V3B	\$708	DS-VSO	13.7	50	86.5	5.3/2.6	SGR
	1200(2400)	575	182T	D32V3G	\$708	DS-VSO	13.7	50	86.5	2.1	SGR
2	3600(7200)	230/460	145T	D2V1B	\$608	DS-VSO	12.8	35	85.5	5/2.5	SGR
	3600(7200)	575	145T	D2V1G	\$608	DS-VSO	12.8	35	85.5	2	SGR
	1800(3600)	230/460	145T	D2V2B	\$604	DS-VSO	12.8	35	86.5	5.6/2.8	SGR
	1800(3600)	575	145T	D2V2G	\$604	DS-VSO	12.8	35	86.5	2.2	SGR
	1200(2400)	575	184T	D2V3G	\$793	DS-VSO	13.7	60	87.5	2.5	SGR
	1200(2400)	230/460	184T	D2V3B	\$793	DS-VSO	13.7	60	87.5	6.3/3.1	SGR
3	3600(7200)	230/460	145T	D3V1B	\$624	DS-VSO	12.8	35	85.5	7.4/3.7	SGR
	3600(7200)	575	145T	D3V1G	\$624	DS-VSO	12.8	35	85.5	2.9	SGR
	1800(3600)	230/460	182T	D3V2B	\$642	DS-VSO	13.7	50	89.5	7.6/3.8	SGR
	1800(3600)	575	182T	D3V2G	\$642	DS-VSO	13.7	50	89.5	3.1	SGR
	1200(2400)	230/460	213T	D3V3B	\$1009	DS-VSO	16.0	90	88.5	9.2/4.6	SGR
	1200(2400)	575	213T	D3V3G	\$1009	DS-VSO	16.0	90	88.5	3.7	SGR
5	3600(7200)	230/460	182T	D5V1B	\$667	DS-VSO	13.7	50	88.5	12.3/6.2	SGR
	3600(7200)	575	182T	D5V1G	\$667	DS-VSO	13.7	50	87.5	5	SGR
	1800(3600)	230/460	184T	D5V2B	\$726	DS-VSO	13.7	60	89.5	12.4/6.2	SGR
	1800(3600)	575	184T	D5V2G	\$726	DS-VSO	13.7	60	89.5	5.1	SGR
	1200(2400)	230/460	215T	D5V3B	\$1,324	DS-VSO	17.5	105	88.5	14.4/7.2	SGR
	1200(2400)	575	215T	D5V3G	\$1,324	DS-VSO	17.5	105	89.5	5.6	SGR
7 1/2	3600(7200)	230/460	184T	D7V1B	\$1,038	DS-VSO	13.7	60	88.5	18.1/9.1	SGR
	3600(7200)	575	184T	D7V1G	\$1,038	DS-VSO	13.7	60	88.5	7.3	SGR
	1800(3600)	230/460	213T	D7V2B	\$1,011	DS-VSO	16.0	90	91.0	18.5/9.3	SGR
	1800(3600)	575	213T	D7V2G	\$1,011	DS-VSO	16.0	90	91.0	7.5	SGR
	1200(2400)	230/460	254T	D7V3B	\$1,679	DS-VSO	22.7	150	91.7	18.9/9.5	SGR
	1200(2400)	575	254T	D7V3G	\$1,679	DS-VSO	19.1	150	91.0	7.6	SGR
10	3600(7200)	230/460	213T	D10V1B	\$1,214	DS-VSO	16.0	90	90.2	24.3/12.2	SGR
	3600(7200)	575	213T	D10V1G	\$1,214	DS-VSO	16.0	90	89.5	9.7	SGR
	1800(3600)	230/460	215T	D10V2B	\$1,231	DS-VSO	17.5	105	91.0	23.8/11.9	SGR
	1800(3600)	575	215T	D10V2G	\$1,231	DS-VSO	17.5	105	91.7	9.8	SGR
	1200(2400)	230/460	256T	D10V3B	\$2,184	DS-VSO	22.7	160	91.7	25.1/12.6	SGR
	1200(2400)	575	256T	D10V3G	\$2,184	DS-VSO	20.4	160	91.7	10.2	SGR

Note SGR Shaft Grounding Ring



Definite Purpose Three Phase, Open Drip Proof (ODP) Inverter Duty 20:1 (3-60 Hertz) Speed Range Variable Torque, 5:1 (12-60 Hertz) Speed Range Constant Torque



DI, RI

(continued)

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
15	3600(7200)	230/460	215T	D15V1B	\$1,669	DS-VSO	17.5	105	90.2	36/18	SGR
	3600(7200)	575	215T	D15V1G	\$1,669	DS-VSO	17.5	105	90.2	14.4	SGR
	1800(3600)	230/460	254T	D15V2B	\$1,767	DS-VSO	19.1	198	93.0	37/18.6	SGR
	1800(3600)	575	254T	D15V2G	\$1,767	DS-VSO	19.1	150	93.0	14.8	SGR
	1200(2400)	230/460	284T	D15V3B	\$2,788	DS-VSO	24.9	225	91.7	37/18.5	SGR
	1200(2400)	575	284T	D15V3G	\$2,788	DS-VSO	24.88	225	91.7	14.8	SGR
20	3600(7200)	230/460	254T	D20V1B	\$2,019	DS-VSO	22.6	150	91.0	46/23.2	SGR
	3600(7200)	575	254T	D20V1G	\$2,019	DS-VSO	19.1	150	91.0	18.7	SGR
	1800(3600)	230/460	256T	D20V2B	\$2,266	DS-VSO	20.4	160	93.0	48/24	SGR
	1800(3600)	575	256T	D20V2G	\$2,266	DS-VSO	20.4	160	93.0	18.8	SGR
	1200(2400)	230/460	286T	D20V3B	\$3,398	DS-VSO	24.9	250	91.7	49/24.4	SGR
	1200(2400)	575	286T	D20V3G	\$3,398	DS-VSO	24.9	250	92.4	19.5	SGR
25	3600(7200)	230/460	256T	D25V1B	\$2,640	DS-VSO	20.4	160	91.7	57/28.5	SGR
	3600(7200)	575	256T	D25V1G	\$2,640	DS-VSO	20.4	160	91.7	22.9	SGR
	1800(2700)	230/460	284T	D25V2B	\$2,744	DS-VSO	24.9	225	93.6	58/29.2	SGR
	1800(2700)	575	284T	D25V2G	\$2,744	DS-VSO	24.9	225	93.6	23.5	SGR
	1200(2400)	230/460	324T	D25V3B	\$3,732	DS-VSO	27.3	385	93.0	59/29.3	SGR
	1200(2400)	575	324T	D25V3G	\$3,732	DS-VSO	27.3	385	93.0	23.5	SGR
30	3600(5400)	230/460	284TS	D30V1BS	\$3,033	DS-VSO	23.0	225	92.4	68/34	SGR
	3600(5400)	575	284TS	D30V1GS	\$3,033	DS-VSO	23.0	225	91.7	27.4	SGR
	1800(2700)	230/460	286T	D30V2B	\$3,174	DS-VSO	24.9	250	94.1	69/34	SGR
	1800(2700)	575	286T	D30V2G	\$3,174	DS-VSO	24.9	250	94.1	27.8	SGR
	1200(2400)	230/460	326T	D30V3B	\$4,173	DS-VSO	27.3	460	93.0	70/35	SGR
	1200(2400)	575	326T	D30V3G	\$4,173	DS-VSO	27.3	460	93.6	27.8	SGR
40	3600(5400)	230/460	286TS	D40V1BS	\$3,315	DS-VSO	23.5	250	93.0	90/45	SGR
	3600(5400)	575	286TS	D40V1GS	\$3,315	DS-VSO	23.0	250	92.4	36	SGR
	1800(2700)	230/460	324T	D40V2B	\$3,322	DS-VSO	27.3	385	94.1	91/46	SGR
	1800(2700)	575	324T	D40V2G	\$3,322	DS-VSO	27.3	385	94.1	37	SGR
	1200(2400)	230/460	364T	D40V3B	\$6,654	DS-VSO	30.6	595	94.5	92/46	SGR
	1200(2400)	575	364T	D40V3G	\$6,654	DS-VSO	30.6	595	94.1	38	SGR
50	3600(5400)	230/460	324TS	D50V1BS	\$3,729	DS-VSO	25.8	385	93.0	117/59	SGR
	3600(5400)	575	324TS	D50V1GS	\$3,729	DS-VSO	25.8	385	93.0	47	SGR
	1800(2700)	230/460	326T	D50V2B	\$3,894	DS-VSO	27.3	460	94.1	114/57	SGR
	1800(2700)	575	326T	D50V2G	\$3,894	DS-VSO	27.3	460	94.5	45	SGR
	1200(2400)	230/460	365T	D50V3B	\$7,492	DS-VSO	29.7	635	94.5	115/57	SGR
	1200(2400)	575	365T	D50V3G	\$7,492	DS-VSO	30.6	635	94.1	47	SGR
60	3600(5400)	230/460	326TS	D60V1BS	\$5,005	DS-VSO	25.8	446	93.6	135/67	SGR
	3600(5400)	575	326TS	D60V1GS	\$5,005	DS-VSO	25.8	460	93.6	54	SGR
	1800(3600)	230/460	364T	D60V2B	\$5,216	DS-VSO	28.7	545	95.0	138/69	SGR
	1800(3600)	575	364T	D60V2G	\$5,216	DS-VSO	28.6	545	95.0	56	SGR
	1200(2400)	230/460	404T	D60V3B	\$8,631	DS-VSO	32.5	750	94.5	138/69	SGR
	1200(2400)	575	404T	D60V3G	\$8,631	DS-VSO	32.5	750	94.5	55	SGR
75	3600(4500)	230/460	364TS	D75V1BS	\$6,592	DS-VSO	26.6	580	93.6	171/85	SGR
	3600(4500)	575	364TS	D75V1GS	\$6,592	DS-VSO	26.5	495	93.6	68	SGR
	1800(3600)	230/460	365T	D75V2B	\$6,176	DS-VSO	29.7	600	95.0	175/87	SGR
	1800(3600)	575	365T	D75V2G	\$6,176	DS-VSO	30.6	575	95.0	70	SGR
	1200(2400)	230/460	405T	D75V3B	\$9,715	DS-VSO	34.1	800	94.5	172/86	SGR
	1200(2400)	575	405T	D75V3G	\$9,715	DS-VSO	34.0	800	94.5	69	SGR

Note SGR Shaft Grounding Ring



GENERAL PURPOSE UNIMOUNT™
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY™
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 84 PLUS™
GENERAL PURPOSE OPEN DRIPPROOF™
GENERAL PURPOSE HAZARDOUS LOCATION™
GENERAL PURPOSE AUTOMOTIVE DUTY™
COOLING-TOWER DUTY™
HAZARDOUS LOCATION™
C-FACE MOTORS™

VARIABLE SPEED MOTORS AND DRIVES

GENERAL PURPOSE
UNIMOUNT®GENERAL PURPOSE
STEEL EDGE™GENERAL PURPOSE
HOSTILE DUTY™GENERAL PURPOSE
CORRO-DUTY™GENERAL PURPOSE
841 PLUS™GENERAL PURPOSE
OPEN DRIPPROOF™GENERAL PURPOSE
HAZARDOUS LOCATION™GENERAL PURPOSE
AUTOMOTIVE DUTY™COOLING TOWER
DUTY™HAZARDOUS
LOCATION™C-FACE
MOTORS™VARIABLE SPEED
MOTORS AND DRIVES™

Definite Purpose Three Phase, Open Drip Proof (ODP) Inverter Duty 20:1 (3-60 Hertz) Speed Range Variable Torque, 5:1 (12-60 Hertz) Speed Range Constant Torque



DI, RI

(continued)

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
100	3600(4500)	230/460	365TS	D100V1BS	\$7,282	DS-VSO	27.6	600	94.1	224/112	SGR
	3600(4500)	575	365TS	D100V1GS	\$7,282	DS-VSO	26.5	575	93.6	89	SGR
	1800(3600)	230/460	404T	D100V2B	\$7,360	DS-VSO	32.6	868	95.4	224/112	SGR
	1800(3600)	575	404T	D100V2G	\$7,360	DS-VSO	32.5	750	95.4	90	SGR
	1200(2400)	460	444T	D100V3C	\$11,507	DS-VSO	39.8	1100	95.0	117	SGR
	1200(2400)	575	444T	D100V3G	\$11,507	DS-VSO	39.8	1100	95.0	94	SGR
125	3600(4500)	460	404TS	D125V1CS	\$9,490	DS-VSO	29.6	763	95.0	136	SGR
	3600(4500)	575	404TS	D125V1GS	\$9,490	DS-VSO	29.5	750	94.1	110	SGR
	1800(3600)	460	405T	D125V2C	\$9,530	DS-VSO	34.1	813	95.4	140	SGR
	1800(3600)	575	405T	D125V2G	\$9,530	DS-VSO	34.0	800	95.4	112	SGR
	1200(2400)	460	445T	D125V3C	\$11,097	DS-VSO	39.8	1200	95	146	SGR
	1200(2400)	575	445T	D125V3G	\$11,097	DS-VSO	39.8	1200	95	118	SGR
150	3600(4500)	230/460	405TS	D150V1BS	\$11,710	DS-VSO	31.1	800	94.5	327/164	SGR
	3600(4500)	575	405TS	D150V1GS	\$11,710	DS-VSO	31.0	800	94.1	131	SGR
	1800(3600)	460	444T	D150V2C	\$12,460	DS-VSO	39.8	1100	95.8	170	SGR
	1800(3600)	575	444T	D150V2G	\$12,460	DS-VSO	39.8	1100	95.8	135	SGR
	1200(2400)	460	445T	D150V3C	\$16,294	DS-VSO	39.8	1200	95.4	174	SGR
	1200(2400)	575	445T	D150V3G	\$16,294	DS-VSO	39.8	1200	95.4	141	SGR
200	3600(4500)	460	444TS	D200V1CS	\$13,917	DS-VSO	36.1	1100	95	224	SGR
	3600(4500)	575	444TS	D200V1GS	\$13,917	DS-VSO	36.1	1100	95	179	SGR
	1800(3600)	460	445T	D200V2C	\$15,572	DS-VSO	39.8	1200	95.8	225	SGR
	1800(3600)	575	445T	D200V2G	\$15,572	DS-VSO	39.8	1200	95.8	182	SGR
	1200(2400)	460	447T	D200V3C	\$19,649	DS-VSO	43.3	1700	95.4	250	SGR
	1200(2400)	575	447T	D200V3G	\$19,649	DS-VSO	43.3	1700	95.4	205	SGR
250	3600(4500)	460	445TS	D250V1CS	\$18,343	DS-VSO	36.1	1200	95	276	SGR
	3600(4500)	575	445TS	D250V1GS	\$18,343	DS-VSO	36.1	1200	95	222	SGR
	1800(3600)	460	445T	D250V2C	\$17,605	DS-VSO	39.8	1200	96.2	284	SGR
	1800(3600)	575	445T	D250V2G	\$17,605	DS-VSO	39.8	1200	95.8	224	SGR

Note SGR Shaft Grounding Ring



SynRA™, Totally Enclosed Fan Cooled (TEFC), UNIMOUNT®, Super Premium Efficient T-Shaft



URJ, URK

APPLICATIONS:

For general industrial equipment including fans, blowers, pumps and direct connected equipment.

FEATURES:

- Aluminum Frame
- Synchronous Reluctance with Aluminum Cage
- Inverter Driven on v/hz or vector drive
- Class F Insulation
- 40°C Ambient
- Double Shielded Bearings
- Synchronous Performance
- Shaft Ground Ring

IE4 URJ T-Frame

HP	RPM	Volts	Frame	Catalog Number	List	Discount Symbol	Drive Size	Efficiency Level	Notes
2	3600	230/460	140T	UR2M1B	\$862	DS-5RA	NO DRIVE	IE4	108
	1800	230/460	140T	UR2M2B	\$766	DS-5RA	NO DRIVE	IE4	108
	1200	230/460	140T	UR2M3BF	\$1,057	DS-5RA	NO DRIVE	IE4	
	1200	230/460	180T	UR2M3B	\$1,057	DS-5RA	NO DRIVE	IE4	
3	3600	230/460	140T	UR3M1BF	\$970	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180T	UR3M1B	\$970	DS-5RA	NO DRIVE	IE4	
	1800	230/460	140T	UR3M2BF	\$858	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180T	UR3M2B	\$858	DS-5RA	NO DRIVE	IE4	
	1200	230/460	140T	UR3M3BN	\$1,310	DS-5RA	NO DRIVE	IE4	
	1200	230/460	180T	UR3M3BF	\$1,310	DS-5RA	NO DRIVE	IE4	
5	3600	230/460	140T	UR5M1BF	\$1,217	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180T	UR5M1B	\$1,217	DS-5RA	NO DRIVE	IE4	
	1800	230/460	140T	UR5M2BF	\$997	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180T	UR5M2B	\$997	DS-5RA	NO DRIVE	IE4	
	1200	230/460	180T	UR5M3BF	\$1,876	DS-5RA	NO DRIVE	IE4	
7 1/2	3600	230/460	140T	UR7M1BN	\$1,511	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180T	UR7M1BF	\$1,511	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180T	UR7M2BF	\$1,364	DS-5RA	NO DRIVE	IE4	
	1800	230/460	210T	UR7M2B	\$1,364	DS-5RA	NO DRIVE	IE4	
10	3600	230/460	180T	UR10M1BF	\$1,768	DS-5RA	NO DRIVE	IE4	
	3600	230/460	210T	UR10M1B	\$1,768	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180T	UR10M2BF	\$1,647	DS-5RA	NO DRIVE	IE4	
	1800	230/460	210T	UR10M2B	\$1,647	DS-5RA	NO DRIVE	IE4	
15	3600	230/460	180T	UR15M1BN	\$2,529	DS-5RA	NO DRIVE	IE4	
	3600	230/460	210T	UR15M1BF	\$2,529	DS-5RA	NO DRIVE	IE4	

IE5 URK T-Frame

HP	RPM	Volts	Frame	Catalog Number	List	Discount Symbol	Drive Size	Efficiency Level	Notes
2	3600	230/460	140T	UR2N1B	\$949	DS-5RA	NO DRIVE	IE5	
	1800	230/460	140T	UR2N2B	\$842	DS-5RA	NO DRIVE	IE5	
3	3600	230/460	140T	UR3N1BF	\$1,067	DS-5RA	NO DRIVE	IE5	
	3600	230/460	180T	UR3N1B	\$1,067	DS-5RA	NO DRIVE	IE5	
	1800	230/460	180T	UR3N2B	\$944	DS-5RA	NO DRIVE	IE5	
	1800	230/460	180T	UR3N2B	\$944	DS-5RA	NO DRIVE	IE5	
5	3600	230/460	140T	UR5N1BF	\$1,338	DS-5RA	NO DRIVE	IE5	
	3600	230/460	180T	UR5N1B	\$1,338	DS-5RA	NO DRIVE	IE5	
	1800	230/460	180T	UR5N2B	\$1,096	DS-5RA	NO DRIVE	IE5	
7 1/2	3600	230/460	180T	UR7N1BF	\$1,663	DS-5RA	NO DRIVE	IE5	
10	3600	230/460	180T	UR10N1BF	\$1,944	DS-5RA	NO DRIVE	IE5	
	3600	230/460	210T	UR10N1B	\$1,944	DS-5RA	NO DRIVE	IE5	
15	3600	230/460	180T	UR15N1BN	\$2,782	DS-5RA	NO DRIVE	IE5	
	3600	230/460	210T	UR15N1BF	\$2,782	DS-5RA	NO DRIVE	IE5	

Note 108 Base has holes for 56H



GENERAL PURPOSE UNIMOUNT®
 GENERAL PURPOSE STEEL EDGE
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY
 GENERAL PURPOSE 84 PLUS®
 GENERAL PURPOSE OPEN DRIPPROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS
 VARIABLE SPEED MOTORS AND DRIVES

SynRA™, Totally Enclosed Fan Cooled (TEFC), UNIMOUNT®, Super Premium Efficient, C-Face



URJ, URK

APPLICATIONS:

For general industrial equipment including fans, blowers, pumps and direct connected equipment.

FEATURES:

- Aluminum Frame
- Synchronous Reluctance with Aluminum Cage
- Inverter Driven on v/hz or vector drive
- Class F Insulation
- 40°C Ambient
- Shaft Slinger On Pulley End
- Double Shielded Bearings
- Synchronous Performance
- Shaft Ground Ring

IE4 URJ C-Face

HP	RPM	Volts	Frame	Catalog Number	List	Discount Symbol	Drive Size	Efficiency Level	Notes
2	3600	230/460	140TC	UR2M1BC	\$862	DS-5RA	NO DRIVE	IE4	
	1800	230/460	140TC	UR2M2BC	\$766	DS-5RA	NO DRIVE	IE4	
	1200	230/460	140TC	UR2M3BFC	\$1,057	DS-5RA	NO DRIVE	IE4	
	1200	230/460	180TCH	UR2M3BK	\$1,057	DS-5RA	NO DRIVE	IE4	
3	3600	230/460	140TC	UR3M1BFC	\$970	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180TCH	UR3M1BK	\$970	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180TC	UR3M1BC	\$970	DS-5RA	NO DRIVE	IE4	
	1800	230/460	140TC	UR3M2BFC	\$858	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180TCH	UR3M2BK	\$858	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180TC	UR3M2BC	\$858	DS-5RA	NO DRIVE	IE4	
	1200	230/460	140TC	UR3M3BFC	\$1,310	DS-5RA	NO DRIVE	IE4	
	1200	230/460	180TCH	UR3M3BFC	\$1,310	DS-5RA	NO DRIVE	IE4	
5	3600	230/460	140TC	UR5M1BFC	\$1,217	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180TCH	UR5M1BK	\$1,217	DS-5RA	NO DRIVE	IE4	
	1800	230/460	140TC	UR5M2BFC	\$997	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180TCH	UR5M2BK	\$997	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180TC	UR5M2BC	\$997	DS-5RA	NO DRIVE	IE4	
	1200	230/460	180TCH	UR5M3BFC	\$1,876	DS-5RA	NO DRIVE	IE4	
7 1/2	3600	230/460	140TC	UR7M1BNC	\$1,511	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180TCH	UR7M1BFC	\$1,511	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180TC	UR7M1BFC	\$1,511	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180TC	UR7M2BFC	\$1,364	DS-5RA	NO DRIVE	IE4	
	1800	230/460	210TC	UR7M2BC	\$1,364	DS-5RA	NO DRIVE	IE4	
10	3600	230/460	180TC	UR10M1BFC	\$1,768	DS-5RA	NO DRIVE	IE4	
	3600	230/460	210TC	UR10M1BC	\$1,768	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180TC	UR10M2BFC	\$1,647	DS-5RA	NO DRIVE	IE4	
	1800	230/460	210TC	UR10M2BC	\$1,647	DS-5RA	NO DRIVE	IE4	
15	3600	230/460	180TC	UR15M1BNC	\$2,529	DS-5RA	NO DRIVE	IE4	
	3600	230/460	210TC	UR15M1BFC	\$2,529	DS-5RA	NO DRIVE	IE4	

IE5 URK C-Face

HP	RPM	Volts	Frame	Catalog Number	List	Discount Symbol	Drive Size	Efficiency Level	Notes
2	3600	230/460	140TC	UR2N1BC	\$949	DS-5RA	NO DRIVE	IE5	
	1800	230/460	140TC	UR2N2BC	\$842	DS-5RA	NO DRIVE	IE5	
3	3600	230/460	140TC	UR3N1BFC	\$1,067	DS-5RA	NO DRIVE	IE5	
	3600	230/460	180TCH	UR3N1BK	\$1,067	DS-5RA	NO DRIVE	IE5	
	3600	230/460	180TC	UR3N1BC	\$1,067	DS-5RA	NO DRIVE	IE5	
	1800	230/460	180TCH	UR3N2BK	\$944	DS-5RA	NO DRIVE	IE5	
	1800	230/460	180TC	UR3N2BC	\$944	DS-5RA	NO DRIVE	IE5	
5	3600	230/460	140TC	UR5N1BFC	\$1,338	DS-5RA	NO DRIVE	IE5	
	3600	230/460	180TCH	UR5N1BK	\$1,338	DS-5RA	NO DRIVE	IE5	
	3600	230/460	180TC	UR5N1BC	\$1,338	DS-5RA	NO DRIVE	IE5	
	1800	230/460	180TCH	UR5N2BK	\$1,096	DS-5RA	NO DRIVE	IE5	
7 1/2	3600	230/460	180TCH	UR7N1BK	\$1,663	DS-5RA	NO DRIVE	IE5	
10	3600	230/460	180TC	UR10N1BFC	\$1,944	DS-5RA	NO DRIVE	IE5	
	3600	230/460	210TC	UR10N1BC	\$1,944	DS-5RA	NO DRIVE	IE5	
15	3600	230/460	180TC	UR15N1BNC	\$2,782	DS-5RA	NO DRIVE	IE5	
	3600	230/460	210TC	UR15N1BFC	\$2,782	DS-5RA	NO DRIVE	IE5	



SynRA™, Totally Enclosed Fan Cooled (TEFC), Close Coupled Pump, UNIMOUNT®, Super Premium Efficient CCP



URJ4, URK4

APPLICATIONS:

For the specific requirements of centrifugal pumps where the pump impeller is mounted directly on the motor shaft. Used in damp, dusty or dirty environments.

FEATURES:

- Aluminum Frame
- Synchronous Reluctance with Aluminum Cage
- Inverter Driven on v/hz or vector drive
- Class F Insulation
- 40°C Ambient
- Shaft Slinger On Pulley End
- Double Shielded Bearings
- Synchronous Performance
- Shaft Ground Ring

IE4 URJ4 CCP

HP	RPM	Volts	Frame	Catalog Number	List	Discount Symbol	Drive Size	Efficiency Level	Notes
2	3600	230/460	140JM	URJ2M1BM	\$1,003	DS-5RA	NO DRIVE	IE4	
	1800	230/460	140JM	URJ2M2BM	\$906	DS-5RA	NO DRIVE	IE4	
	1200	230/460	140JM	URJ2M3BFM	\$1,198	DS-5RA	NO DRIVE	IE4	
	1200	230/460	180JM	URJ2M3BM	\$1,198	DS-5RA	NO DRIVE	IE4	
3	3600	230/460	140JM	URJ3M1BFM	\$1,168	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180JM	URJ3M1BM	\$1,168	DS-5RA	NO DRIVE	IE4	
	1800	230/460	140JM	URJ3M2BFM	\$1,056	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180JM	URJ3M2BM	\$1,056	DS-5RA	NO DRIVE	IE4	
	1200	230/460	140JM	URJ3M3BNM	\$1,508	DS-5RA	NO DRIVE	IE4	
	1200	230/460	180JM	URJ3M3BFM	\$1,508	DS-5RA	NO DRIVE	IE4	
5	3600	230/460	140JM	URJ5M1BFM	\$1,415	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180JM	URJ5M1BM	\$1,415	DS-5RA	NO DRIVE	IE4	
	1800	230/460	140JM	URJ5M2BFM	\$1,195	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180JM	URJ5M2BM	\$1,195	DS-5RA	NO DRIVE	IE4	
	1200	230/460	180JM	URJ5M3BFM	\$2,074	DS-5RA	NO DRIVE	IE4	
7 1/2	3600	230/460	140JM	URJ7M1BNM	\$1,718	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180JM	URJ7M1BFM	\$1,718	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180JM	URJ7M2BFM	\$1,571	DS-5RA	NO DRIVE	IE4	
	1800	230/460	210JM	URJ7M2BM	\$1,571	DS-5RA	NO DRIVE	IE4	
10	3600	230/460	180JM	URJ10M1BFM	\$1,975	DS-5RA	NO DRIVE	IE4	
	3600	230/460	210JM	URJ10M1BM	\$1,975	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180JM	URJ10M2BFM	\$1,854	DS-5RA	NO DRIVE	IE4	
	1800	230/460	210JM	URJ10M2BM	\$1,854	DS-5RA	NO DRIVE	IE4	
15	3600	230/460	180JM	URJ15M1BNM	\$2,736	DS-5RA	NO DRIVE	IE4	
	3600	230/460	210JM	URJ15M1BFM	\$2,736	DS-5RA	NO DRIVE	IE4	

IE5 URK4 CCP

HP	RPM	Volts	Frame	Catalog Number	List	Discount Symbol	Drive Size	Efficiency Level	Notes
2	3600	230/460	140JM	URJ2N1BM	\$1,104	DS-5RA	NO DRIVE	IE5	
	1800	230/460	140JM	URJ2N2BM	\$997	DS-5RA	NO DRIVE	IE5	
3	3600	230/460	140JM	URJ3N1BFM	\$1,285	DS-5RA	NO DRIVE	IE5	
	3600	230/460	180JM	URJ3N1BM	\$1,285	DS-5RA	NO DRIVE	IE5	
	1800	230/460	180JM	URJ3N2BM	\$1,162	DS-5RA	NO DRIVE	IE5	
5	3600	230/460	140JM	URJ5N1BFM	\$1,556	DS-5RA	NO DRIVE	IE5	
	3600	230/460	180JM	URJ5N1BM	\$1,556	DS-5RA	NO DRIVE	IE5	
	1800	230/460	180JM	URJ5N2BM	\$1,314	DS-5RA	NO DRIVE	IE5	
7 1/2	3600	230/460	180JM	URJ7N1BFM	\$1,890	DS-5RA	NO DRIVE	IE5	
10	3600	230/460	180JM	URJ10N1BFM	\$2,172	DS-5RA	NO DRIVE	IE5	
	3600	230/460	210JM	URJ10N1BM	\$2,172	DS-5RA	NO DRIVE	IE5	
15	3600	230/460	180JM	URJ15N1BNM	\$3,009	DS-5RA	NO DRIVE	IE5	
	3600	230/460	210JM	URJ15N1BFM	\$3,009	DS-5RA	NO DRIVE	IE5	



GENERAL PURPOSE UNIMOUNT®
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GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE SPEED MOTORS AND DRIVES

SynRA™, Totally Enclosed Fan Cooled (TEFC), STEEL EDGE®, Super Premium Efficient T-Shaft



SRI, SRJ, SRK

APPLICATIONS:

For general industrial equipment including fans, blowers, pumps and direct connected equipment.

FEATURES:

- Rolled Steel Frame
- Synchronous Reluctance with Aluminum Cage
- Inverter Driven on v/hz or vector drive
- Class F Insulation
- 40°C Ambient
- Double Shielded Bearings
- Synchronous Performance
- Shaft Ground Ring

SRI, SRJ, SRK T-Frame

HP	RPM	Volts	Frame	Catalog Number	List	Discount Symbol	Drive Size	Efficiency Level	Notes
2	3600	230/460	56	SR2M1BF	\$823	DS-5RA	NO DRIVE	IE4	
	3600	230/460	140T	SR2M1B	\$823	DS-5RA	NO DRIVE	IE4	
	1800	230/460	56	SR2M2BF	\$731	DS-5RA	NO DRIVE	IE4	
	1800	230/460	140T	SR2M2B	\$731	DS-5RA	NO DRIVE	IE4	
3	3600	230/460	56	SR3M1BN	\$926	DS-5RA	NO DRIVE	IE4	
	3600	230/460	140T	SR3M1BF	\$926	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180T	SR3M1B	\$926	DS-5RA	NO DRIVE	IE4	
	1800	230/460	56	SR3M2BN	\$819	DS-5RA	NO DRIVE	IE4	
	1800	230/460	140T	SR3M2BF	\$819	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180T	SR3M2B	\$819	DS-5RA	NO DRIVE	IE4	
5	3600	230/460	56	SR5M1BN	\$926	DS-5RA	NO DRIVE	IE4	
	3600	230/460	140T	SR5M1BF	\$926	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180T	SR5M1B	\$926	DS-5RA	NO DRIVE	IE4	
7 1/2	3600	230/460	180T	SR7M1BF	\$1,443	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180T	SR7M2BF	\$1,302	DS-5RA	NO DRIVE	IE4	
	1800	230/460	210T	SR7M2B	\$1,302	DS-5RA	NO DRIVE	IE4	
10	3600	230/460	180T	SR10M1BF	\$1,687	DS-5RA	NO DRIVE	IE4	
	3600	230/460	210T	SR10M1B	\$1,687	DS-5RA	NO DRIVE	IE4	
15	3600	230/460	180T	SR15M1BN	\$2,414	DS-5RA	NO DRIVE	IE4	
	3600	230/460	210T	SR15M1BF	\$2,414	DS-5RA	NO DRIVE	IE4	



SynRA™, Totally Enclosed Fan Cooled (TEFC), STEEL EDGE®, Super Premium Efficient, C-Face



APPLICATIONS:

For general industrial equipment including fans, blowers, pumps and direct connected equipment.

FEATURES:

- Rolled Steel Frame
- Synchronous Reluctance with Aluminum Cage
- Inverter Driven on v/hz or vector drive
- Class F Insulation
- 40°C Ambient
- Shaft Slinger On Pulley End
- Double Shielded Bearings
- Synchronous Performance
- Shaft Ground Ring

SRI, SRJ, SRK C-Face

HP	RPM	Volts	Frame	Catalog Number	List	Discount Symbol	Drive Size	Efficiency Level	Notes
2	3600	230/460	56C	SR2M1BFC	\$823	DS-5RA	NO DRIVE	IE4	
	3600	230/460	140TC	SR2M1BC	\$823	DS-5RA	NO DRIVE	IE4	
	1800	230/460	56C	SR2M2BFC	\$731	DS-5RA	NO DRIVE	IE4	
	1800	230/460	140TC	SR2M2BC	\$731	DS-5RA	NO DRIVE	IE4	
3	3600	230/460	56C	SR3M1BNC	\$926	DS-5RA	NO DRIVE	IE4	
	3600	230/460	140TC	SR3M1BFC	\$926	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180TCH	SR3M1BK	\$926	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180TC	SR3M1BC	\$926	DS-5RA	NO DRIVE	IE4	
	1800	230/460	56C	SR3M2BNC	\$819	DS-5RA	NO DRIVE	IE4	
	1800	230/460	140TC	SR3M2BFC	\$819	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180TCH	SR3M2BK	\$819	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180TC	SR3M2BC	\$819	DS-5RA	NO DRIVE	IE4	
5	3600	230/460	56C	SR5M1BNC	\$1,161	DS-5RA	NO DRIVE	IE4	
	3600	230/460	140TC	SR5M1BFC	\$1,161	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180TCH	SR5M1BK	\$1,161	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180TC	SR5M1BC	\$1,161	DS-5RA	NO DRIVE	IE4	
7 1/2	3600	230/460	180TCH	SR7M1BFC	\$1,443	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180TC	SR7M1BFC	\$1,443	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180TC	SR7M2BFC	\$1,302	DS-5RA	NO DRIVE	IE4	
	1800	230/460	210TC	SR7M2BC	\$1,302	DS-5RA	NO DRIVE	IE4	
10	3600	230/460	180TC	SR10M1BFC	\$1,687	DS-5RA	NO DRIVE	IE4	
	3600	230/460	210TC	SR10M1BC	\$1,687	DS-5RA	NO DRIVE	IE4	
15	3600	230/460	180TC	SR15M1BNC	\$2,414	DS-5RA	NO DRIVE	IE4	
	3600	230/460	210TC	SR15M1BFC	\$2,414	DS-5RA	NO DRIVE	IE4	



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SynRA™, Close Coupled Pump, Totally Enclosed Fan Cooled (TEFC), STEEL EDGE®, Super Premium Efficient, CCP



SRI4, SRJ4, SRK4

APPLICATIONS:

For the specific requirements of centrifugal pumps where the pump impeller is mounted directly on the motor shaft. Used in damp, dusty or dirty environments.

FEATURES:

- Rolled Steel Frame
- Synchronous Reluctance with Aluminum Cage
- Inverter Driven on v/hz or vector drive
- Class F Insulation
- 40°C Ambient
- Shaft Slinger On Pulley End
- Double Shielded Bearings
- Synchronous Performance
- Shaft Ground Ring

SRI4, SRJ4, SRK4

HP	RPM	Volts	Frame	Catalog Number	List	Discount Symbol	Drive Size	Efficiency Level	Notes
2	3600	230/460	56J	JTR2M1BFM	\$958	DS-5RA	NO DRIVE	IE4	
	3600	230/460	140JM	SRJ2M1BM	\$958	DS-5RA	NO DRIVE	IE4	
	1800	230/460	56J	JTR2M2BFM	\$865	DS-5RA	NO DRIVE	IE4	
	1800	230/460	140JM	SRJ2M2BM	\$865	DS-5RA	NO DRIVE	IE4	
3	3600	230/460	56J	JTR3M1BNM	\$1,115	DS-5RA	NO DRIVE	IE4	
	3600	230/460	140JM	SRJ3M1BFM	\$1,115	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180JM	SRJ3M1BM	\$1,115	DS-5RA	NO DRIVE	IE4	
	1800	230/460	56J	JTR3M2BNM	\$1,008	DS-5RA	NO DRIVE	IE4	
	1800	230/460	140JM	SRJ3M2BFM	\$1,008	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180JM	SRJ3M2BM	\$1,008	DS-5RA	NO DRIVE	IE4	
5	3600	230/460	56J	JTR5M1B	\$1,350	DS-5RA	NO DRIVE	IE4	
	3600	230/460	140JM	SRJ5M1BFM	\$1,350	DS-5RA	NO DRIVE	IE4	
	3600	230/460	180JM	SRJ5M1BM	\$1,350	DS-5RA	NO DRIVE	IE4	
7 1/2	3600	230/460	180JM	SRJ7M1BFM	\$1,640	DS-5RA	NO DRIVE	IE4	
	1800	230/460	180JM	SRJ7M2BFM	\$1,499	DS-5RA	NO DRIVE	IE4	
	1800	230/460	210JM	SRJ7M2BM	\$1,499	DS-5RA	NO DRIVE	IE4	
10	3600	230/460	180JM	SRJ10M1BFM	\$1,885	DS-5RA	NO DRIVE	IE4	
	3600	230/460	210JM	SRJ10M1BM	\$1,885	DS-5RA	NO DRIVE	IE4	
15	3600	230/460	180JM	SRJ15M1BNM	\$2,611	DS-5RA	NO DRIVE	IE4	
	3600	230/460	210JM	SRJ15M1BFM	\$2,611	DS-5RA	NO DRIVE	IE4	

