

Elevator Industry

Special Application Electrical Motors



Nidec

Elevate Your Performance with U.S. MOTORS®

When it comes to the elevator industry, rely on Nidec's U.S. MOTORS to keep things moving smoothly and safely. Our motors are engineered for peak performance, delivering the high starting torque and precise control essential for efficient vertical transportation of both people and goods.

Why Choose U.S. MOTORS?

Our elevator duty motors are crafted to meet the diverse needs of the elevator market. Whether you're looking for motors for passenger elevators, freight elevators, service elevators, or escalators, U.S. MOTORS has you covered.

Find the Perfect Replacement Motor with Ease

Need a direct replacement motor? Our U.S. MOTORS lineup includes an extensive range of options. Access our comprehensive resources at <https://ecatalog.motorboss.com/> to quickly locate the right motor:

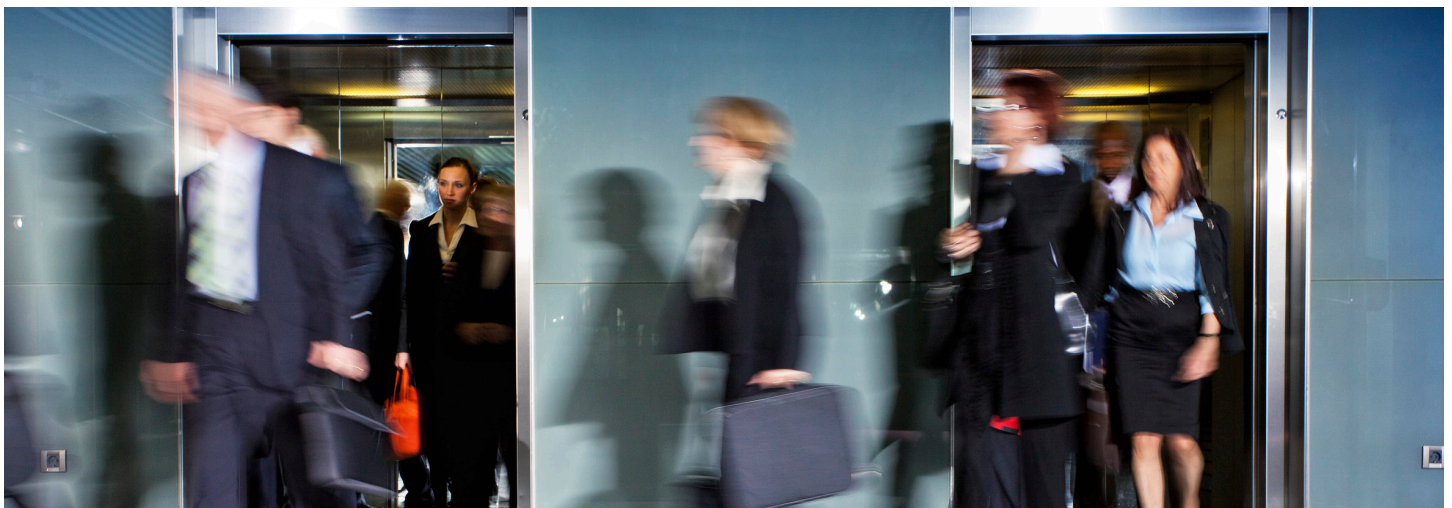
- **Competitive Cross Reference Tools:** Browse over 50,000 cross references by competitor or OEM catalog and model numbers.
- **eCatalog Search Tool:** Search by ID, features, or applications to find exactly what you need.
- **Dimension Prints:** Access detailed dimensional drawings.
- **Nameplate Data:** Find crucial identification details.
- **3D Models:** Visualize motor designs in 3D.
- **Performance Data:** Review comprehensive performance metrics.
- **Wiring Diagrams:** Obtain detailed wiring schematics.
- **Installation and Maintenance Manuals:** Access detailed guides for installation and upkeep.

Local and Global Availability

With on-hand inventory at local distributors and authorized service stations for warranty and repair, U.S. MOTORS is ready to support you wherever you are, whether locally or globally.

Experience the U.S. MOTORS Difference

Elevate your operations with the reliability and efficiency of U.S. MOTORS elevator duty motors. Visit www.usmotors.com today and discover how we can power your vertical transportation solutions.



Special Application Three Phase Submersible Elevator Motors Z- Flange & L32 Flange



APPLICATIONS:

Z-Flanged motors are suitable for use in elevators in low rise buildings using Allweiler pumps (SUB 140, 210 & 280) or IMO pumps (3SIC-187, 3SIC-200, 3SIC-218, 3SIC-250 & 4SIC-275). L32 Flanged motors for ALLWEILER® pumps (SUA 140, 210, 280 & 440). Compatibility current at time of publication.

FEATURES:

- Class F Insulation
- Zinc Plated Frame, 32 MM Shaft, Lifting Provisions On Brackets
- Stainless Steel Nameplate On Motor & Mylar For Wall Mount
- 70°C Thermostat Located On Motor Frame
- Single Ball Bearing Design To Fit Most ALLWEILER® & IMO Sub. Pumps
- 112" External Leads (Butt Splices At Approx. 12" & 47" From Housing)
- Suitable for Wye-Delta Starting
- Intermittent Duty (Rated 80 Starts/Hour In 50°C Oil or 120 Starts/Hour In 40°C Oil)
- CSA® Certified (#LR39413) & UL® Component Recognized (#E51488)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps	
15	3600	200	160ZBS	EZ15S1HZ	\$1,739	DS-3IM	1.00	14.1	101	52	
	3600	230/460	160ZBS	EZ15S1BZ	\$1,739	DS-3IM	1.00	14.1	101	45.2/22.6	
	3600	575	160ZBS	EZ15S1GZ	\$1,739	DS-3IM	1.00	14.1	101	18.1	
20	3600	200	160ZBS	EZ20S1HZ	\$1,780	DS-3IM	1.00	14.1	102	72	
	3600	230/460	160ZBS	EZ20S1BZ	\$1,780	DS-3IM	1.00	14.1	100	62/31	
	3600	575	160ZBS	EZ20S1GZ	\$1,780	DS-3IM	1.00	14.1	110	24.6	
25	3600	200	160ZBS	EZ25S1HZ	\$1,912	DS-3IM	1.00	14.1	100	82	
	3600	230/460	160ZBS	EZ25S1BZ	\$1,912	DS-3IM	1.00	14.1	132	70/35	
	3600	575	160ZBS	EZ25S1GZ	\$1,912	DS-3IM	1.00	14.1	108	28.3	
30	3600	200	160ZBS	EZ30S1HZ	\$2,144	DS-3IM	1.00	14.1	115	100	
	3600	230/460	160LCS	E30S1BZ	\$2,144	DS-3IM	1.00	14.1	114	84/42	
	3600	230/460	160ZBS	EZ30S1BZ	\$2,144	DS-3IM	1.00	14.1	111	84/42	
30	3600	575	160ZBS	EZ30S1GZ	\$2,144	DS-3IM	1.00	14.1	109	35	
	40	3600	200	160LCS	E40S1HZ	\$2,415	DS-3IM	1.00	17.4	113	121
		3600	200	160ZBS	EZ40S1HZ	\$2,415	DS-3IM	1.00	17.5	144	121
3600		230/460	160LCS	E40S1BZ	\$2,415	DS-3IM	1.00	17.4	160	106/53	
40	3600	230/460	160ZBS	EZ40S1BZ	\$2,415	DS-3IM	1.00	17.5	150	106/53	
	3600	575	160LCS	E40S1GZ	\$2,415	DS-3IM	1.00	17.4	142	42	
	3600	575	160ZBS	EZ40S1GZ	\$2,415	DS-3IM	1.00	17.5	160	42	
50	3600	200	160LCS	E50S1HZ	\$3,534	DS-3IM	1.00	17.4	157	148	
	3600	200	160ZBS	EZ50S1HZ	\$3,534	DS-3IM	1.00	17.5	157	148	
	3600	230/460	160LCS	E50S1BZ	\$3,534	DS-3IM	1.00	17.4	165	130/65	
	3600	230/460	160ZBS	EZ50S1BZ	\$3,534	DS-3IM	1.00	17.5	150	130/65	
	3600	575	160LCS	E50S1GZ	\$3,534	DS-3IM	1.00	17.4	152	52	
50	3600	575	160ZBS	EZ50S1GZ	\$3,534	DS-3IM	1.00	17.5	150	52	

Special Application Three Phase, Open Drip Proof (ODP) Elevator Motor, Dry Hydraulic Motor



APPLICATIONS:

For elevators where dry hydraulic motors are required, usually five stories or less.

FEATURES:

- CSA® Certified and UL® Component Recognized
- 1800 RPM
- 80 Starts Per Hour (100 Starts Per Hour With De-rate in HP)
- F1 Assembly
- 60 Hertz
- Class F Insulation
- 1.00 Service Factor
- Intermittent Duty Rated For Operation in a 40°C Ambient Temperature
- Ball Bearing Design
- 72" Lead Length

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Amps
15	3600	575	213T	DH15S1GF	\$1,829	DS-3ID	1.00	16.0	90	15.6
20	3600	575	215T	DH20S1GF	\$2,067	DS-3ID	1.00	17.5	105	20
	1800	200	254T	DH20S2HF	\$2,586	DS-3ID	1.00	22.0	150	58
	1800	230/460	254T	DH20S2BF	\$2,586	DS-3ID	1.00	22.0	162	52/25.9
	1800	575	254T	DH20S2GF	\$2,844	DS-3ID	1.00	22.0	150	20.1
25	3600	575	254T	DH25S1GF	\$2,488	DS-3ID	1.00	22.6	150	24.2
	1800	200	256T	DH25S2HF	\$3,741	DS-3ID	1.00	23.0	160	72
	1800	230/460	256T	DH25S2BF	\$3,741	DS-3ID	1.00	23.0	172	65/32
	1800	575	256T	DH25S2GF	\$4,051	DS-3ID	1.00	23.0	160	25.2
30	3600	575	256T	DH30S1GF	\$2,808	DS-3ID	1.00	23.2	160	28.3
	1800	200	284T	DH30S2HF	\$4,508	DS-3ID	1.00	25.0	225	84
	1800	230/460	284T	DH30S2BF	\$4,508	DS-3ID	1.00	25.0	237	73/36
	1800	575	284T	DH30S2GF	\$4,870	DS-3ID	1.00	25.0	225	29.6
40	3600	575	284T	DH40S1GF	\$3,004	DS-3ID	1.00	24.9	225	39
	1800	200	286T	DH40S2HF	\$5,247	DS-3ID	1.00	25.0	250	110
	1800	230/460	286T	DH40S2BF	\$5,247	DS-3ID	1.00	25.0	262	96/48
	1800	575	286T	DH40S2GF	\$5,518	DS-3ID	1.00	25.0	250	39
50	1800	200	324T	DH50S2HF	\$6,482	DS-3ID	1.00	27.0	420	133
	1800	230/460	324T	DH50S2BF	\$6,482	DS-3ID	1.00	27.0	451	116/58
	1800	575	324T	DH50S2GF	\$6,960	DS-3ID	1.00	27.0	385	47
60	1800	200	326T	DH60S2HF	\$7,794	DS-3ID	1.00	27.0	460	160
	1800	230/460	326T	DH60S2BF	\$7,794	DS-3ID	1.00	27.0	491	139/69
	1800	575	326T	DH60S2GF	\$8,207	DS-3ID	1.00	27.0	460	56
75	1800	230/460	364T	DH75S2BF	\$9,587	DS-3ID	1.00	29.0	580	185/92
	1800	575	364T	DH75S2GF	\$10,129	DS-3ID	1.00	29.0	580	70
100	1800	230/460	365T	DH100S2BF	\$11,739	DS-3ID	1.00	30.0	631	235/118
	1800	575	365T	DH100S2GF	\$12,126	DS-3ID	1.00	30.0	600	94
125	1800	230/460	404T	DH125S2BF	\$12,800	DS-3ID	1.00	32.0	763	288/144
	1800	575	404T	DH125S2GF	\$13,188	DS-3ID	1.00	32.0	750	114

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