

# RPM AC Accessories

## SMALL RPM AC (frames 56C, W 140TC & W 180TC)

### Encoder Kits

The following kits include encoder and all mounting hardware. A new blower is required for TEBC motor enclosure when used with the HS20 and HS35 encoder.

**Encoder Ratings:** All encoder kits are rated as follows: single output, 1024 PPR, two channel quadrature output (A and B) with complementary outputs and marker pulse.

**Note:** Encoder voltage ratings shown below - Input and Output voltages are the same

TENV / TEBC	Hollow Shaft			Required Blower Kit for TEBC Enclosure (1)		
	Dynapar HS20 (1) 5-26 volts			When Used with HS20		
Frame Size	Order Number	List Price	Price Symbol	Order Number	List Price	Price Symbol
56, 140, W180T	K00T0006	\$800.00	RPMST	K00T0007	\$400.00	RPMST

TENV / TEBC	Hollow Shaft			Required Blower Kit for TEBC Enclosure (1)		
	Dynapar HS35 (1) 5-26 volts			When Used with HS35		
Frame Size	Order Number	List Price	Price Symbol	Order Number	List Price	Price Symbol
56, 140, W180T	K00T0008	\$1,100.00	RPMST	K00T0007	\$400.00	RPMST

TENV	Bearingless		
	Lakeshore SL56 (2) 5-15 volts DC		
Frame Size	Order Number	List Price	Price Symbol
56, 140, W180T	K00T0005	\$1,500.00	RPMST

(1) New blower required for HS20 and HS35 when used with TEBC enclosure

(2) Cannot be used on TEBC enclosure

## Integral HP RPM AC FL180 - L440 FRAMES

### Encoder Mounting Kits

The following kits include the encoder and all mounting hardware including stub shaft.

**Encoder rating:** 1024 PPR, single output, two channel quadrature output (A and B with complementary outputs) and marker pulse are standard.

**Note:** Encoder voltage ratings are shown below - Input and Output voltages are the same

DPFV	Hollowshaft				Coupled		Northstar Bearingless					
	RA HS35M		BEI HS-35		Northstar HSD35M (4)		Dynapar H20		RL67		SL85	
Voltage	5-24VDC		5-15 V DC		5-26 V DC		5-15 V DC		5-15 V DC		5-15 V DC	
Frame Size	Order No.	List Price	Order No.	List Price	Order No.	List Price	Order No.	List Price	Order No.	List Price	Order No.	List Price
FL180-RL250(6)	417077-170	\$1,200	417077-136	\$1,100	417708-361	\$1,350	417077-153	\$1,300	417077-156	\$1,600	417708-226	\$1,650
L280-L400	417077-171	1,200	417708-130	1,100	417708-362	1,350	417708-85	1,300	417708-87	1,600	(3)	1,950
L440	417077-172	1,200	417708-132	1,100	417708-363	1,350	417708-121	1,300	417708-120	1,600	(3)	1,950

TENV	Hollowshaft				Coupled		Northstar Bearingless					
	RA HS35M		BEI HS-35		Northstar HSD35 (4)		Dynapar H20		RL67		SL85	
Voltage	5-24VDC		5-15 V DC		5-26 V DC		5-15 V DC		5-15 V DC		5-15 V DC	
Frame Size	Order No.	List Price	Order No.	List Price	Order No.	List Price	Order No.	List Price	Order No.	List Price	Order No.	List Price
FL180-RL250(6)	417077-170	\$1,200	417077-136	\$1,100	417708-361	\$1,350	417077-153	\$1,300	417077-156	\$1,600	417708-226	\$1,650

TEBC	Hollowshaft				Coupled		Northstar Bearingless					
	RA HS35M		BEI HS-35		Northstar HSD35M (4)		Dynapar H20		RL67		SL85	
Voltage	5-24VDC		5-15 V DC		5-26 V DC		5-15 V DC		5-15 V DC		5-15 V DC	
Frame Size	Order No.	List Price	Order No.	List Price	Order No.	List Price	Order No.	List Price	Order No.	List Price	Order No.	List Price
FL180	417077-173	\$1,200	417077-165	\$1,100	(4)	\$1,350	417077-167	\$1,300	417077-168	\$1,600	N/A	
FL/RL210	417077-174	1,200	417077-134	1,100	(4)	1,350	417077-151	1,300	417077-157	1,600	417708-227	\$1,950
FL/RL250	417077-175	1,200	417077-135	1,100	(4)	1,350	417077-152	1,300	417077-159	1,600	417708-228	1,950
L280	417077-176	1,200	417708-131	1,100	(4)	1,350	417708-90	1,300	417708-96	1,600	(3)	1,850
L320	417077-177	1,200	417708-140	1,100	(4)	1,350	417708-91	1,300	417708-97	1,600	(3)	2,300
L360	417077-178	1,200	417708-141	1,100	(4)	1,350	417708-92	1,300	417708-98	1,600	(3)	2,300
L400	417077-179	1,200	417708-142	1,100	(4)	1,350	417708-93	1,300	417708-99	1,600	(3)	2,300

TEFC	Hollowshaft				Coupled			
	RA HS35M		BEI HS-35		Northstar HSD35M (4)		Dynapar H20	
Voltage	5-24VDC		5-15 V DC		5-26 V DC		5-15 V DC	
Frame Size	Order No.	List Price	Order No.	List Price	Order No.	List Price	Order No.	List Price
FL180-RL210(5)	417077-180	\$1,200	417077-133	\$1,100	417708-371	\$1,350	417077-154	\$2,390
FL/RL250	417077-180	1,200	417077-133	1,100	417708-371	1,350	417077-155	2,390

Footnotes

(3) Kit not available but can be ordered as a modification to Stock model motor, 2-3 week lead time typical

(4) This encoder can only be supplied if blower is piggy back instead of inline. Suggest selection of a different encoder available for TEBC above.

(5) Includes FL180, FL210, FL250, RL210 and RL250

Price Symbol - RPMST

# RPM AC Accessories con't

## Integral HP RPM AC FL180 - L440 FRAMES

### Encoder Mounting Kits

TEAO-PB	Hollowshaft						Coupled		Bearingless			
	RA HS35M		BEI HS-35		Northstar HS35M (4)		Dynapar H20		Northstar RL67		Northstar SL85	
Voltage	5-24VDC		5-15V DC		5-26 V DC		5-15 V DC		5-15V DC			
Frame Size	Order No.	List Price	Order No.	List Price	Order No.	List Price	Order No.	List Price	Order No.	List Price	Order No.	List Price
L440	417077-181	1,200	417708-132	\$1,100	417708-221	\$1,350	417708-121	\$1,300	417708-120	\$1,750	(3)	\$1,950

Footnotes

(3) Kit not available but can be ordered as a modification to Stock model motor, 2-3 week lead time typical

Price Symbol - RPMST

(4) The Northstar HS35M Magcoder is being replaced by Northstar HSD35. It is an optical encoder with same 10 pin latching connector same as the HS35M. When stock of HS35M is depleted, the HSD35 will be supplied.

### Encoder only (no stub shaft) - unmounted - for frames FL180-L440 BEI HS35 2048 PPR, 5-24 V DC

Enclosure	Order No.	List Price	Price Symbol
TENV & DPFV-All frames	417708-230	\$1,000	RPMST
TEBC-All frames (1)	417708-231	1,100	RPMST
TEFC- All frames	417708-232	1,000	RPMST

### Stub shaft only (no encoder) - unmounted - for frames FL180-L440 All HS35 stub shaft diameters: 1 inch

Encoder (reference)	Frame	Enclosure	Order No.	List Price	Price Symbol
BEI HS35 (1 inch dia.)	FL180-RL250	DPFV,TENV,TEFC,TEBC(1)	417708-201	\$100	RPMST
	L280 thru L400	DPFV&TEBC(1)	417708-202	100	RPMST
	L440	DPFV&TEAO-P/B	417708-203	100	RPMST
Dynapar H20 (.393 inch dia.)	FL180-RL250	DPFV,TENV&TEBC(1)	417708-204	100	RPMST
	RL250	TEFC	417708-205	100	RPMST
	L280-L400	DPFV	417708-207	100	RPMST
	L280-L400	TEBC(1)	417708-206	100	RPMST
	L440	DPFV&TEAO-P/B	417708-206	100	RPMST
SL85 (5/8 inch dia.)	F180-RL250	DPFV,TENV&TEBC(1)	417708-210	100	RPMST
	L280-L400	DPFV & TEBC(1)	417708-212	100	RPMST
	L440	DPFV&TEAO-P/B	417708-212	100	RPMST
RL67 (5/8 inch dia.)	FL180-RL250	DPFV,TENV&TEBC(1)	417708-208	100	RPMST
	L280-L400	TEBC(1)	417708-209	100	RPMST
	L280-L400	DPFV	417708-42	100	RM087
	L440	DPFV&TEAO-P/B	417708-157	125	RM087

(1) Note; encoder addition requires an extended blower cover on TEBC motors in all frames except L320. Cover is included in Complete kits only.

### Replacement Blower Kits for DPG-FV Motors

DPFV Frame	Ordering Number	List Price	Price Symbol	Description
FL & RL210	417077-144	\$750	RPMST	*
FL & RL250	417077-145	845	RPMST	*
L280	419947-31	1,070	RPMST	*
L320	419947-33	1,190	RPMST	*
L360	419947-35	1,360	RPMST	*
L400	417077-75	1,800	RM087	*
L440	Contact Reliance Electric for Ordering Number			

\* Kit includes blower motor and shroud, blower wheel and all mounting hardware. Filter is not included.

TEBC Frame	Ordering Number	List Price	Price Symbol	Description
FL180 (1)	417077-143	\$550	RPMST	includes terminal box & blower motor only
FL/RL210-250	417077-141	550	RPMST	includes terminal box & blower motor only

(1) Compact inline blower used on stock models (IP44 rating)

## RPM AC Accessories con't

### Slide Bases - For Adjusting Belt Tension Heavy Duty - Includes Two Adjusting Blots

Frame	Ordering Number	List Price	Price Symbol	Dimension Sheet	Approx. Wt. (Lb.)
FL1831	419914-9A	\$270	RPMST	609957-9	18
FL1838	419914-9B	270	RPMST	609957-9	18
FL1844	419914-9C	270	RPMST	609957-9	20
FL1852	419914-9D	270	RPMST	609957-9	20
FL/RL2153	419914-10A	270	RPMST	609957-10	30
FL/RL2158	419914-10B	270	RPMST	609957-10	30
FL/RL2162	419914-10D	315	RPMST	609957-10	30
FL/RL2168	419914-10L	315	RPMST	609957-10	35
FL/RL2173	419914-10M	315	RPMST	609957-10	35
FL/RL2570	419914-10G	315	RPMST	609957-10	50
FL/RL2578	419914-10N	405	RPMST	609957-10	50
FL/RL2586	419914-10P	405	RPMST	609957-10	50
L2875	419914-10J (1)	405	RPMST	609957-10	50
L2882	419914-10K	580	RPMST	609957-10	50
L2890	419914-10R	580	RPMST	609957-10	50
L2898	419914-10S	580	RPMST	609957-10	50
L3203	419914-11P	640	RPMST	609977-10	90
L3213	419914-11R	640	RPMST	609977-10	90
UL3698	419914-11M	750	RPMST	609977-10	105
UL3699	419914-11C	750	RPMST	609977-10	105
UL3607	419914-11D	750	RPMST	609977-10	110
UL4022	419914-11E	1,430	RPMST	609977-10	123
UL4034	419914-11F	1,430	RPMST	609977-10	123
UL4046	419914-11G	1,430	RPMST	609977-10	123
UL4429	419914-11H	2,700	RPMST	609977-10	140
UL4440	419914-11J	2,700	RPMST	609977-10	150
UL4451	419914-11K	2,700	RPMST	609977-10	160
UL4461	419914-11L	2,700	RPMST	609977-10	165

(1) Part number to be discontinued

### Filter Kits - For Use With DPFV Enclosures

Frame	Ordering Number	List Price	Price Symbol	Description	Approx. Wt. (Lb.)
FL180	417077-116	\$150	RPMST	Filter & Mfg Kit	5
	417077-117	50	RPMST	Replaceable Filter Element	1
FL/RL210	417077-59	345	RMO87	Washable Wire Mesh Canister Type	5
FL/RL250	417077-59	345	RMO87	Washable Wire Mesh Canister Type	5
L280	417077-59	345	RMO87	Washable Wire Mesh Canister Type	5
L320	417077-59	345	RMO87	Washable Wire Mesh Canister Type	5
L360	417077-65	400	RMO87	Washable Wire Mesh Canister Type	5
L400	417077-102	666	RMO87	Washable Wire Mesh Canister Type	5
L440	417077-124	780	RMO87	Square Replaceable Polyester Type	5

### Mounting Conversion Kits for FL180-FL250 Frames

The following kits are for relocation of the conduit box of stock FL180 - FL250 frame motors as noted. Installation of this Kit requires complete disassembly/reassembly of motor. Price is for this Kit only

Frame	Enclosure	Relocate Conduit Box:	Ordering Number	List Price	Price Symbol
FL180	TENV, TEBC, TEFC	From Top to F-1 or F-2	417077-184	\$290	RPMST
FL180	DPFV	From F-1 to F-2	417077-185	290	RPMST
FL210	TENV, TEBC, TEFC	From Top to F-1 or F-2	417077-186	340	RPMST
FL250	TENV, TEBC, TEFC	From Top to F-1 or F-2	417077-187	340	RPMST

### Mounting Conversion Kits for RL210-RL250 Frames

The following kits are for relocation of the conduit box of stock RL210 and RL250 frame motors as noted. Installation of this Kit requires complete disassembly/reassembly of motor. Price is for this Kit only

Frame	Enclosure	Relocate Conduit Box:	Ordering Number	List Price	Price Symbol
RL2153 thru RL2173	DPFV	From F-1 to F-2	417077-129	\$290	RPMST
RL250 thru RL2586	DPFV	From F-1 to F-2	417077-131	290	RPMST
RL2153 thru RL2173	TENV, TEBC, TEFC	From Top to F-1 or F-2	417077-130	340	RPMST
RL2570 thru RL2586	TENV, TEBC, TEFC	From Top to F-1 or F-2	417077-132	340	RPMST