

# POWER TAKE OFF SERIES™



MTU Onsite Energy's Power Take Off (PTO) Series is the most complete selection in the industry with features that assure the quality and dependability found in all MTU Onsite Energy products.

#### PTO Alternator Accessories/Options:

- Heavy-duty shielded power shaft
- Unit mounted vibration isolated meter panel
- Two-wheeled off-highway transport trailer
- Speed monitor for remote monitoring of alternator output
- Protective canvas cover with drawstring
- CSA approved models available
- 540 or 1000 RPM gearbox optional through 60kW single phase, or 55kW three phase; 1000 RPM standard above 60kW

#### PTO Performance Features:

- Five-year warranty
- 1% automatic voltage regulation
- Easy to use "speed monitor light" for precise RPM and voltage control with 99.5% accuracy
- 100% copper windings with Class H insulation
- Helical gear drive for max strength and quiet operation
- The highest efficiency ratings in the industry, 25% overspeed rated
- Four pole slow speed, 1800 RPM, 100% brushless design
- Full load connector through 105kW, with spring loaded cover
- Full load testing of each and every production unit
- Solid state full wave brushless exciter for reliability and superior motor starting
- Rated for continuous standby duty
- Drip proof design with rodent screen
- 15 amp-240 volt and 50 amp-240 volt receptacle with breaker
- External grounding terminal

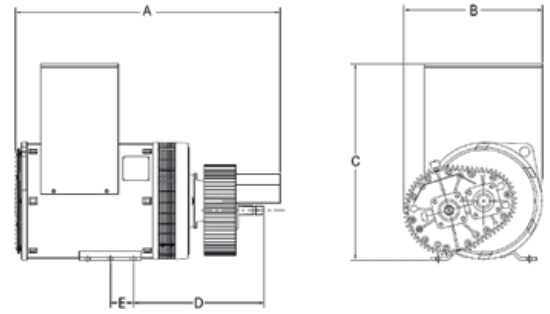
MTU Onsite Energy Corporation  
A Rolls-Royce Power Systems Company

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# PTO SERIES™

DEPENDABLE  
POWER SOLUTIONS.  
IT'S ALL WE DO.



## DIMENSIONS AND WEIGHTS - SINGLE PHASE MODELS

Model	kW	kVA	Momentary Surge Watts	Minimum Required HP	WEIGHT (lbs.)				DIMENSIONS (in.)				
					Approx. Net	Approx. Ship	Power Shaft	Trailer	A	B	C	D	E
KLM1-25	25	25	75,000	35	450	550	45	235	31 1/8	16 5/8	24 1/8	17 3/8	5
KLM1-40	40	40	120,000	65	735	835	45	235	40 1/2	21 1/8	29 7/8	20	3 1/2
KLM1-50	50	50	150,000	78	760	860	45	235	40 1/2	21 1/8	29 7/8	20	3 1/2
KLM1-60	60	60	180,000	92	780	880	45	235	40 1/2	21 1/8	29 7/8	20	3 1/2
KLM1-75	75	75	225,000	113	930	1030	45	235	44 1/8	21 1/8	33 7/8	22 1/4	3 1/2
KLM1-100	100	100	300,000	151	1,080	1,180	48	295	44 1/8	21 1/8	33 7/8	22 1/4	3 1/2

## DIMENSIONS AND WEIGHTS - THREE PHASE MODELS

Model	kW	kVA	Momentary Surge Watts	Minimum Required HP	WEIGHT (lbs.)				DIMENSIONS (in.)				
					Approx. Net	Approx. Ship	Power Shaft	Trailer	A	B	C	D	E
KLM3-45	45	56.25	135,000	72	735	835	45	235	40 1/2	21 1/8	29 7/8	20	3 1/2
KLM3-55	55	68.75	165,000	85	755	855	45	235	40 1/2	21 1/8	29 7/8	20	3 1/2
KLM3-65	65	81.25	195,000	100	785	885	45	235	40 1/2	21 1/8	29 7/8	20	3 1/2
KLM3-85	85	106.25	255,000	131	915	1,015	45	235	44 1/8	21 1/8	33 7/8	22 1/4	3 1/2
KLM3-105	105	131.25	315,000	160	945	1,045	45	295	44 1/8	21 1/8	33 7/8	22 1/4	3 1/2
KLM3-135	135	168.75	405,000	202	1,220	1,320	63	295	44 1/8	21 1/8	33 7/8	22 1/4	3 1/2

**CAUTION:** If operating your PTO generator with a tractor that has an electrically engaged PTO system you will have to use a PTO shaft with a friction overrunning combination clutch feature to avoid damaging your generator drive system. Request information on shafts with this feature when ordering.

## PTO DRIVE SHAFTS

Model	RPM	Gearbox Shaft (in.)	Gearbox Splines	Tractor Shaft (in.)	Tractor Splines	Compressed Length (in.)	Extended Length (in.)
44803	1000	1 3/4	20	1 3/8	21	33 1/8	51 5/7
44806	540	1 3/8	6	1 3/8	6	28 7/8	43
44811	540	1 3/8	6	1 3/8	6	29 1/8	45 1/2
44812	1000	1 3/8	6	1 3/8	21	28 7/8	43
44814	1000	1 3/4	20	1 3/4	20	33 1/8	51 5/7
44816	1000	1 3/8	6	1 3/4	20	25 3/4	39 5/8

PTO drive shafts are a heavy duty shielding shaft that provides maximum safety for the operator.

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