

A Multi Role GSE From BEML

Model: BA10G40

(Aircraft Towing Tractor of 10 Ton GVW with Ground Power Unit of 40 kVA)



*To push or pull &
To start and service
Civil and Military Aircrafts*

To push or pull : Up to 75 Tons (Take-off weight, up to 2% gradient)

- Boeing B737 - 100 to 900 series Aircrafts*
- Air bus A319, A320 & A321 Aircrafts*

To start & service : Up to 40 kVA (Ground power requirement with AC/DC & 400 Hz)

- Trainer/ Military (Kiran, MiG, Jaguar, Mirraj & Sukhoi)*
- Commercial Aero-planes with 12 to 16 seater*
- Helicoptors ALH & Mi 17*

Aircraft Towing Tractor with GPU



Salient Features :

1. High torque engine for sustained power and fuel economy.
2. Automatic power shift transmission with power and load matching.
3. Soft shift system for smooth gear shifting.
4. Air actuated brake system for positive brake action on both front and rear wheels.
5. Soft ride suspension for operator's comfort.
6. Easy accessibility for maintenance and service.
7. LED warning clusters, indicators & rocker switches.



Engine:

Make & Model	BEML, B6D105-1
Max. Rated power	110 BHP @ 2400 r/min.
Max. Torque	407Nm (41.5kg.m) @ 1600 r/min.



Transmission:

Make & Model	Hindustan TRT 2221-3
Vehicle Speed	2F+2R Forward Max. 25 kmph Reverse Max. 25 kmph
Drawbar Pull Max.	7000 Kg



Axles:

Front	I-Section Steerable axle with leaf spring suspension and shock absorber.
Rear	Heavy duty axle with conventional differential.



Tyres:

Tyre Size	9.00 x 20 -14 PR Std. 9.00 R20 - Optional
Rim Size	B7.0 HD - 20



Steering:

Type	Fulltime power steering
Turning Circle Radius	5000 ± 100 mm



Brakes:

Service brakes	Air actuated, internal expanding shoe brakes.
Parking brake	Internal expanding, shoe brake, air actuated, manually operated.



Weights:

GVW	10000 ± 100 kg.
Rear axle	6500 kg
Front axle	3500 kg



Dimensions:

Wheel Base	1935 mm
Front Tread	1980 mm
Rear Tread	1816 mm
Length (Over all)	4905 mm
Width (Over all)	2375 mm
Height (Over all)	1350 mm
Height (over canopy)	2100 mm
Ground Clearance	272 mm



Service Capacities:

Cooling System	35 lits.
Crank Case	12 lits.
Hydraulic System	3 lits.
T/c & Trans.	25 lits.
Final Drive	36 lits.
Fuel Tank	250 lits.
Air Tank	50 lits.

Ground Power Unit (GPU)

GPU comprising of a primemover and an alternator of 40 kVA & Controls.



Salient Features :

User friendly, Monitoring & Control through digital techniques.

Operation made simple through push button controls.

Fault identification through LCD.

Better readability of outputs through digital high intensity LCD.

Dual AC & DC output requirements for two Air Crafts simultaneously (Optional).

RFI-EMC through appropriate design & shielding techniques.

Electronic governed Engine speed.

Engine noise level less than 85 dbA @ 10 m.

Easy accessibility for routine checks & maintenance through service doors.

Spot search lamps.



GPU outputs:

The GPU has the provision to select either of two output power modes:

1. 40 kVA, 200/115 V, 3 Phase, 400 Hz @ 0.8 power factor (Lag) in AC mode.

OR

2. 25 kVA, 200/115 V, 3 phase, 400 Hz @ 0.8 power factor (Lag) in AC along with 10 kW, 28 V DC supply with provision of peak current of 1250 A for 5 sec. in AC & DC mode.

In addition following **Auxiliary power** is provisioned:

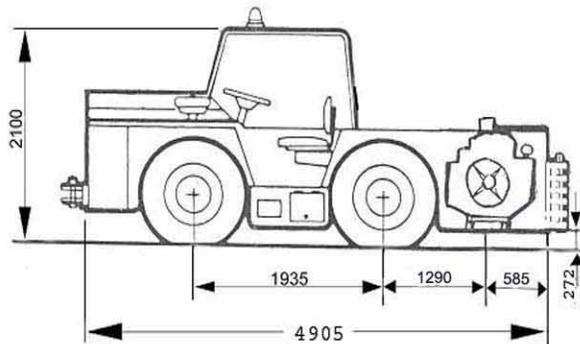
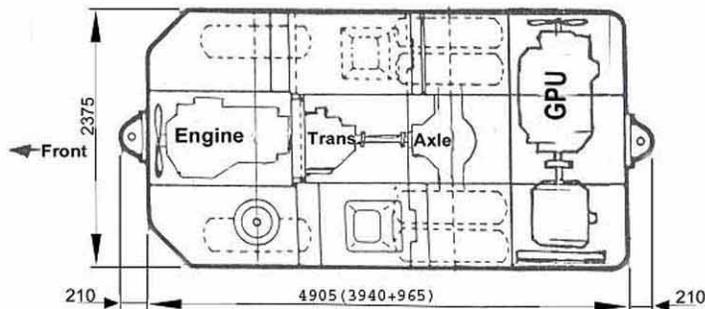
- 2a) 1.5 kVA, 36 V ,3 phase, 400 Hz, 0.8 power factor (lag)
- 2b) 2.5 kVA, 115 V, Single phase, 400 Hz, 0.8 power factor (lag)



Dimensions

in mm

Unit:mm



1. Illustrations may include optional equipment and accessories and may not include all standard accessories.
2. Materials and specifications are subject to change without notice.
3. All the specifications meet relevant ISO standards.

BEML LIMITED



For Enquiries Please Contact :
MARKETING NETWORK

Corporate Office : BEML Soudha, 23/1, 4th Main, SR Nagar, Bangalore - 560 027, PH: +91-80-22224141 FAX: +91-80-22224451
Email: dirmar@vsnl.com

International Division : 5th Floor, Unity Buildings, J.C. Road, Bangalore - 560 002.

Ph. No. +91-80-22233350, 22222730 Fax No. +91-80-22224874 Email : bemlexp@iasbg01.vsnl.net.in

Customer Relation Management Cell :

Mobile : +91-9845455341, Email : bemlccrm@ccrm.beml.co.in

REGIONAL OFFICES

- **Bilaspur** - 1/A, Industrial Area, Sector Sirgitti, Tifra PO. Bilaspur (CG) 495 223 Ph.No.07752-252062, Fax No.252065, Email: bilaspur@rm.beml.co.in
- **Chennai** - Flat No.10 & 11, Supriya Estates, Sterling Road, Nungambakkam, Chennai- 600034, Ph.No.044-28257319, Fax No.044-28257319, Email:chennai@rm.beml.co.in
- **Hyderabad** - 3-6-114, Himayat Nagar, Hyderabad-500029, Ph.No.040-23227032, Fax No.040-23221794, Email: hyderabad@rm.beml.co.in
- **Kolkata** - Flat No.9, 10 & 11, 5A, Lord Sinha Road, Kolkata - 700071, Ph.No.033-22825803, Fax No. 033-22821033, Email:kolkata@rm.beml.co.in
- **Mumbai** - Rajmahal, 84, 1st Floor, Neer Nariman Road, Churchgate, Mumbai - 400 020, Ph.No.022-22852017, Fax No.022-22852633, Email:mumbai@rm.beml.co.in
- **Nagpur** - 33, Cement Road, Shivajinagar, Nagpur - 440 010, Ph. No. 0712-2248435, Fax No.0712-2248343, Email:nagpur@rm.beml.co.in
- **New Delhi** - Flat E.F.G.H. 'Vandana', 11th Floor, Tolstoy Marg, New Delhi - 110001, Ph.No.011-23316500, Fax No.011-23325085, Email:delhi@rm.beml.co.in
- **Ranchi** - 712 C, Circular Road, Ranchi - 834 001, Ph. No.0651-2560370, Fax No. 2560197, Email:ranchi@rm.beml.co.in
- **Sambalpur** - BEML Complex, NH-6, Barapalli, Sambalpur - 768 150, Ph: 0663-2521604 Fax No.0663-2521603, Email:sambalpur@rm.beml.co.in
- **Singrauli** - PB No.5, Jhingurdha Colliery, Sidhi, Singrauli - 486 889, Ph. No. 07805-266668, Fax No.07805-267282, Email:singrauli@rm.beml.co.in

DISTRICT OFFICES

- ▲ **Ahmedabad** - 266-1, Dilbaug Villa, Darshan Society Road, Navrangpura, Ahmedabad - 380 009, Ph.No.079.26445523, Fax No. 079-26423950, Email:ahmedabad@rm.beml.co.in
- ▲ **Asansol** - 3, Bumpur Road, Asansol- 713 304, Ph.No.0341-2252480, Fax NO.0341-2250601, Email:asansol@rm.beml.co.in
- ▲ **Bhilai** - Room.No.22/C, BSPBuilding, Near Ispat Bhavan, Bhilai - 490 001 (CG), Ph.No.0788-2223882, Fax No.0788-22500055, E-mail:bhilai@rm.beml.co.in
- ▲ **Bhubaneswar** - 91/1A, Shaheed Nagar, Bhubaneswar - 751007, Ph. No. 0674 - 2545227, Fax No.0674-2545227, Email:bhubaneswar@rm.beml.co.in
- ▲ **Chandrapur** - Mamidwar Tiles Factory Compound, Ghugus Road, Padoli, Chandrapur - 442 406(MS), Ph.No.07172-287230, Fax No.07172-287760, Email:chandrapur@rm.beml.co.in
- ▲ **Dhanbad** - Kamal Kunj, Kola Kusuma, Saraidhela, Dhanbad - 828127, Ph.No.0326-2208982, Fax No.0326-2200182, Email:ghanbad@rm.beml.co.in
- ▲ **Guwahati** - RG Baruah Road, 9, Bylane (West), Thinali, Guwahati - 781 024, Ph.No.0361-2454696, Fax No.0361-2454696, Email:guwahati@rm.beml.co.in
- ▲ **Hospet** - No.243, Sri Daruka Nilaya, No. 42, 1st Main Road, Basaveswara Badavane, Hospet-583201(Karnataka) Mobile No. 9448489606
- ▲ **Jammu** - 62C, Block D/C, Gandhinagar, Jammu-Tawi - 180 004, Ph.No.0191-2430447, Fax No.0191-2450764 (PP), Email:jammu@rm.beml.co.in
- ▲ **Kothagudem** - 5-25/1, Balaji Complex, Lakshmidivelpalli, Kothagudem - 507 101(AP), Ph. No. 08744-242489, Fax No.08744-245572, Email:kothagudem@rm.beml.co.in
- ▲ **Madurai** - Malligai Apartments, Flat NO.FF2, 1 Floor, 19A, Krishnapuram Colony, Madurai - 625 014, Telefax.No. 0452 - 2649458
- ▲ **Neyveli** - F4, Rajendra Prasad Road, Block 27, Neyveli - 607 803, Ph.No.04142-268517, Fax No.04142-268517, Email:neyveli@rm.beml.co.in
- ▲ **Panjim** - 67-12, Dattaprasad Building, III Floor, MG Road, Panjim - 403 001, Ph.No.0832 - 2225135, Fax No.0832 - 2225135, Email: goa@rm.beml.co.in
- ▲ **Ramagundam** - Opp. SCCL 11 A Mines, (PQ) Jellaram, Godavari Khani - 505184, (via -Mantani), Karimnagar Dist (AP), Ph. No.08728-244578, Fax No.08728 - 244578, Email: ramagundam@rm.beml.co.in
- ▲ **Udaipur** - Bhom Villa, No.1, Kumbha Marg, Sukhadia Circle, Udaipur - 313001, Ph.No.0294-2416826, Fax No.0294-2560283, Email:udaipur@rm.beml.co.in

ACTIVITY CENTRES

- **Ongole** - No. 12/265, Lakshmi Bhavani Bhavan, Opp. Virat Nagar, Kumool Road, ONGOLE(A.P) -523002, Mobile No. 9849949468
- **Katni** - MIG-11/5, Housing Board Colony, Shanthi Nagar, KATNI(M.P.) - 483501, Mobile No. 9425156473
- **Hubli** - No.30/2, Palankar Building, II Main, Siddeswar Nagar, Unkal Cross, Hubli - 580 031, Ph.No.0836-2376006, Fax No.0836-2277055 (PP)
- **Bangalore** - 5th Floor, Unity Buildings, J.C. Road, Bangalore - 560 002, Ph : 080-22127489 Fax : 22224874

