

Diesel Gensets - High Speed, Air-Cooled (BTA) - 7.5 kVA to 15 kVA [1 & 3 Phase]

(ii) Inductive (Load) Type A.C.Generators Are Made of Aluminium body & Are Double Ball Bearing Type. These Are Self Excited, Drip Proof, Screen Protected & Self Ventilated. Class of Winding is 'H' & Are Transformer Type. The Degree of Protection is IP23. Voltage regulation is +/- 5%
 Brushless with AVR (Automatic Voltage Regulator) Type A.C. Generators Instead of Transformer Type A.C. Generators Can Also Be Made Available With Voltage Regulation +/- 1%.
 Inductive (Load) Type Diesel Gensets Are Suitable For Heavy Duty / High Torque Load Applications Such As For Running Electric Motors, Submersible Pumpsets, Air-Conditioners etc...
 For Any Type of Long Duration High Torque Load, Technically Different Specification & Site conditions, Diesel Genset Has To Be Selected Accordingly. For Such Application Kindly contact US for Right Selection.

(iii) These A.C.Generators Are Suitable For Running Under Ambient Temperature Less Than 40 Degree & Altitude Less Than 1000 Metres.

(iv) In Case, Resistive Or Inductive Type Genset Is Mounted On Rubber Wheel Trolley Instead Of M.S.Base Frame, The Additional Nett / Gross Weight Will Be As Under :

- (a) For Genset With 1/2 cylinder Engine Mounted On 4 Rubber Wheel Trolley 15 kgs. Extra
- (b) For Genset With 2 cylinder Engine Mounted On 6 Rubber Wheel Trolley 22.5 kgs. Extra

| Technical Data (Standard Gensets) | | | | | |
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| Petter Type, High Speed, Air-Cooled (FTA & BTA) Diesel Gensets (Direct Coupled) | | | | | |
| 1-Phase, 240 Volts, 1500 RPM, 50 Hz, 4 Poles & 1.0 Unity Power Factor | | | | | |
| Sr. No. | Genset Model No. Resistive Type & Inductive Type | A.C. Generator Data kVA (kW) (Max.-Amp) & Model No. R & I Type | Diesel Engine Data HP (kW) (No. Of Cyl.) & Model No. F & B Type | Resistive Type Genset Weight with M.S.Base Frame Nett/Gross (kgs) | Inductive Type Genset Weight with M.S.Base Frame Nett/Gross (kgs) |
| 1 | 41AS-RB, 80AS-RB 41AS-IB, 80AS-IB | 7.5 (7.5) (31.3) 75KS-R, 75KS-I | 15.0 (11.0) (Two) 41A-BTA, 80A-BTA | 450 / 625 41AS-RB, 80AS-RB | 455 / 630 41AS-IB, 80AS-IB |
| 2 | 44AS1-RB, 88AS1-RB 44AS1-IB, 88AS1-IB | 10.0 (10.0) (41.7) 100KS-R, 100KS-I | 20.0 (14.7) (Two) 44A-BTA, 88A-BTA | 520 / 695 44AS1-RB, 88AS1-RB | 495 / 670 44AS1-IB, 88AS1-IB |
| 3 | 44AS-RB, 88AS-RB 44AS-IB, 88AS-IB | 12.5 (12.5) (52.1) 125KS-R, 125KS-I | 20.0 (14.7) (Two) 44A-BTA, 88A-BTA | 525 / 700 44AS-RB, 88AS-RB | 520 / 695 44AS-IB, 88AS-IB |
| 3-Phase, 415 Volts, 50 Hz, 4 Poles & 0.8 Power Factor (Lagging) | | | | | |
| 4 | 41AT-RB, 80AT- | 8.7 (7.0) (12.2) | 15.0 (11.0) | 465 / 640 41AT- | 445 / 620 41AT-IB, |

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|---|--|--|---|----------------------------------|----------------------------------|
| | RB 41AT-IB, 80AT-IB | 87KT-R, 87KT-I | (Two) 41A- BTA, 80A-BTA | RB, 80AT-RB | 80AT-IB |
| 5 | 42AT-RB, 81AT- RB 42AT-IB, 81AT-IB | 10.0 (8.0) (13.9) 100KT-R, 100KT-I | 16.0 (11.8) (Two) 42A- BTA, 81A-BTA | 475 / 650 42AT- RB, 81AT-RB | 455 / 630 42AT-IB, 81AT-IB |
| 6 | 44AT1-RB, 88AT1-RB 44AT1-IB, 88AT1-IB | 12.5 (10.0) (17.4) 125KT-R, 125KT-I | 20.0 (14.7) (Two) 44A- BTA, 88A-BTA | 545 / 720 44AT1- RB, 88AT1-RB | 480 / 655 44AT1- IB, 88AT1-IB |
| 7 | 44AT-RB, 88AT- RB 44AT-IB, 88ATI-IB | 15.0 (12.0) (20.9) 150KT-R, 150KT-I | 20.0 (14.7) (Two) 44A- BTA, 88A-BTA | 550 / 725 44AT- RB, 88AT-RB | 510 / 685 44AT-IB, 88AT-IB |

Note:

All above diesel engines comprised with gensets are having governing class a2. * FTA = fan type air-cooled * BTA = blower type air-cooled

Resistive (Load) Type A.C.Generators are made of m.s. body & are double ball bearing type. these are self excited, drip proof, screen protected & self ventilated. Class of winding is 'F' & Are Diode Type. The Degree of Protection is IP21. Voltage regulation is +/- 10% resistive (Load) type diesel gensets are suitable for light duty / low torque load applications such as lightening, electric fans & other light duty domestic loads etc.